



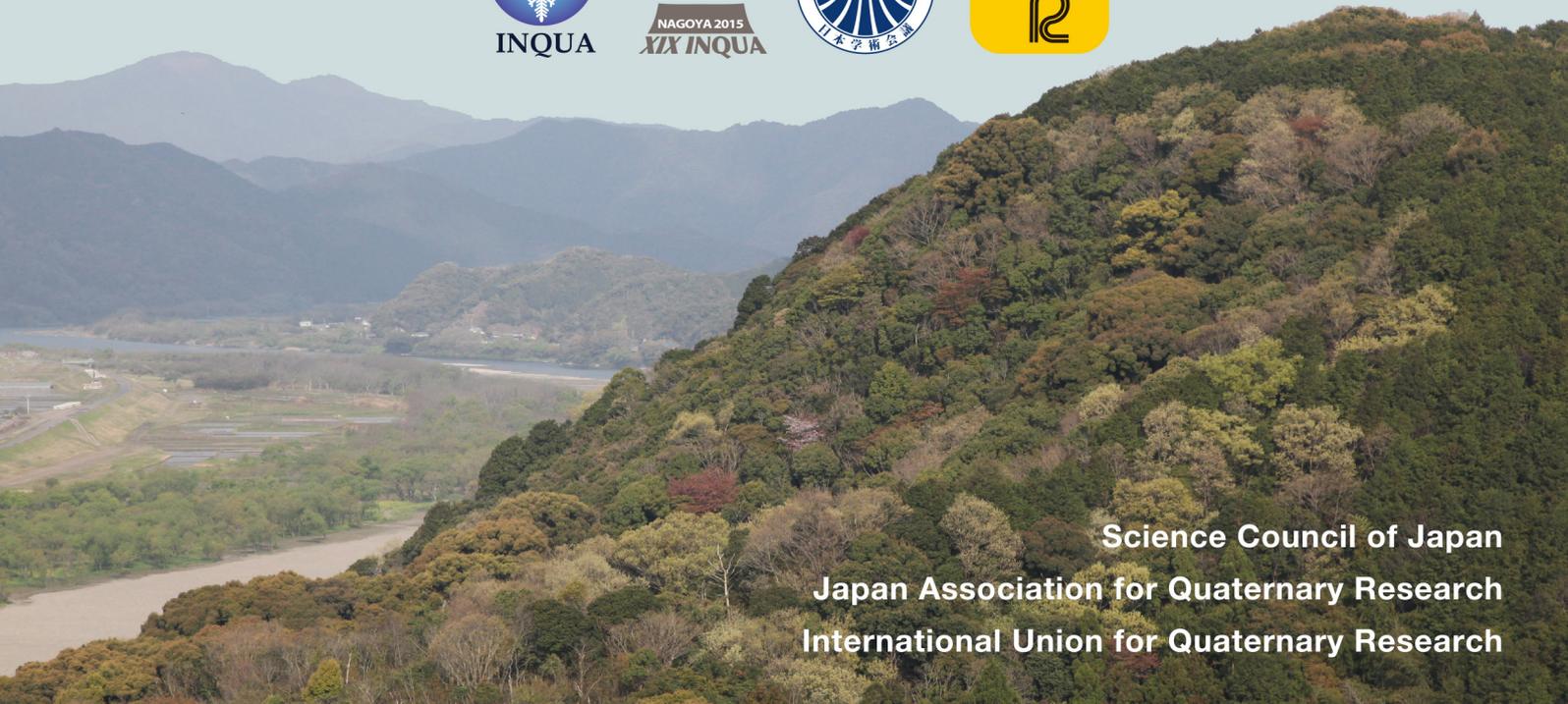
XIX INQUA CONGRESS

*Quaternary Perspectives on
Climate Change, Natural Hazards and Civilization*

**at Nagoya Congress Center
Nagoya, JAPAN 26 July – 2 August 2015**



INQUA



Science Council of Japan
Japan Association for Quaternary Research
International Union for Quaternary Research

PROGRAM BOOK

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President's Welcome

Dear Fellow Congress Attendees and International Council Delegates,

The Local Organizing Committee has done a fine job of arranging this Congress and for this we thank them. I know that you are all eager to meet colleagues and learn what everyone has been doing over the last four years. Please also give a thought to discovering what is new in areas with which you are less familiar. INQUA is famous for being a multi-disciplinary organisation, which gives us all the chance to expand our horizons, so attend sessions on subjects about which you know little or nothing. You may be very surprised and inspired!

I also urge you to attend some of the business meetings that could have unexpected advantages for you. First, the five Commissions responsible for overseeing and facilitating Quaternary science hold business meetings during the Congress. If you attend one or more of these meetings you will learn more about the work of the Commissions, which is aimed at benefitting you, and you could perhaps become involved in that work.

For those of you who are Early Career Researchers (ECRs), it will definitely be to your advantage to attend any gatherings this group has. The ECR Committee is increasingly active, both in supporting other young Quaternary scientists and in helping with the work of running INQUA. Do join this is a self-help group, which aims to involve all who are in this category.

Many people think General Assemblies at the beginning and end of the Congress are boring but you could learn some useful and

interesting facts. Your Executive Committee is committed to improving communication so everyone feels more a part of the INQUA family. Please take advantage of our efforts.

Your National Delegate, who will be representing you at the International Council meetings, also needs to hear from you. Please contact him or her, if you have not done so before, if you have matters you wish to raise. They can only work on your behalf if they know what you want or need. Finally, INQUA has so much more to offer than a four-yearly Congress, important though that is. Take this opportunity to talk to Executive and Commission officers to find out how to become involved and benefit during the inter-Congress periods.

Best wishes,



Margaret Avery
INQUA President

LOC Chair's Welcome

Dear Congress Participants:

Welcome to Nagoya and Japan.

On behalf of the Local Organizing Committee, I am pleased to welcome you to the XIX International Union for Quaternary Research (INQUA) Congress.

The XIX INQUA Congress is the first Congress to be held in Japan and the second in Asia after the Beijing Congress in 1991. It is our great pleasure and honor to host the INQUA Congress here in Japan. The Congress has been co-organized by three main organizations: INQUA (International Union for Quaternary Research), JaQUA (Japan Association for Quaternary Research), and the Science Council of Japan. The Congress is sponsored and supported by many societies, institutions, companies and individuals. We extend our sincere gratitude to all those who have contributed towards the success of the Congress.

The Congress brings together more than 1,800 participants from 70 countries and regions from all over the world. More than 2,000 papers will be presented at the Congress. This will be the second largest Congress after the last Bern Congress in terms of the number of participants and papers.

The Congress theme “Quaternary Perspectives on Climate Change, Natural Hazards and Civilization” expresses our challenge towards disaster risk reduction and a sustainable world from the perspective of Quaternary science. We have four sub-themes, which are 1) Quaternary science for natural hazard mitigation, 2) Understanding and quantifying past changes in the Earth system for improving

projections on future climate, sea level, and the environment, 3) Dynamics of human–environment interaction, and 4) Developing and integrating new technologies for Quaternary chronology and stratigraphy. I am convinced that the wide range of scientific topics to be covered during the Congress expresses the broad interests and activities of the participants, and will provide stimulation for future research and international collaboration.

The City of Nagoya is located at the center of the Japanese Islands and has a long history. Nagoya and its surroundings host many historic properties, old temples and castles, and also many museums on science, art and natural history, as well as modern automobile and ceramic factories. I hope you will enjoy the varied cultural and natural landscapes and geology during our excursions, and during your stay in Japan.

Finally, on behalf of the Local Organizing Committee, I wish you an enjoyable, fruitful and exciting time at the XIX INQUA Congress in Nagoya. Please enjoy Japanese culture, food, and nature.



Yoshiki Saito
Chair, The Local Organizing Committee
of the XIX INQUA Congress

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Organizations, Associations, and Societies supporting the XIX INQUA Congress

Aichi Prefecture
City of Nagoya

Forestry and Forest Products Research Institute (FFPRI)
Geological Survey of Japan, National Institute of Advanced Industrial Science and
Technology (GSJ/AIST)
National Research Institute for Earth Science and Disaster Prevention (NIED)
National Institute for Environmental Studies, Japan (NIES)
National Institute of Polar Research (NIPR)

GIS Association of Japan
Japan Cartographers Association
Japan Geoscience Union
Japan Society of Civil Engineers
Japan Society of Earth Science Education
Japan Society of Engineering Geology
Japan Society of Fujiology
Japanese Society of Pedology
Japanese Archaeological Association
Japanese Association of Groundwater Hydrology
Japanese Association of Historical Botany
Japanese Association of Hydrological Sciences
Japanese Coral Reef Society
Japanese Geomorphological Union
Japanese Geotechnical Society
Japanese Palaeolithic Research Association
Japanese Society for Active Fault Studies
Japanese Society of Soil Science and Plant Nutrition
Meteorological Society of Japan
Palaeontological Society of Japan
Paleo10: Paleosciences Society
Particle Accelerator Society of Japan
Seismological Society of Japan
Society of Geomagnetism and Earth, Planetary and Space Science

The Anthropological Society of Nippon
The Association of Japanese Geographers
The Clay Science Society of Japan
The Ecological Society of Japan
The Geochemical Society of Japan
The Geographic Education Society of Japan
The Geological Society of Japan
The Japan Landslide Society
The Japan Society for AMS Research
The Japanese Association for Arid Land Studies
The Japanese Association for Petroleum Technology
The Japanese Association of Organic Geochemists
The Japanese Geotechnical Society:
The Japanese Society for Geographical Sciences
The Japanese Society of Diatomology
The Japanese Society of Snow and Ice
The Oceanographic Society of Japan
The Remote Sensing Society of Japan
The Sedimentological Society of Japan
The Society of Historical Earthquake Studies
The Tohoku Geographical Association
The Union of Japanese Societies for Natural History
The Volcanological Society of Japan
Tokyo Geographical Society

General Information

Venue Access

Nagoya Congress Center

Address: 1-1, Atsuta-nishimachi, Atsuta-ku, Nagoya 456-0036

The Nagoya Congress Center is located about 5 km south-southeast of the center of the City of Nagoya.

The Congress venue is only a 5 minutes walk from the subway stations "Nishitakakura" of the Meijo-line and "Hibino" of the Meiko-line.

There is no free transportation service by the LOC. You will therefore have to join the Congress Center by your own means.

The Nagoya Congress Center is composed of 4 buildings, named Buildings 1 to 4, connected by circular aisles.

The Congress Center opens at 8:30 and closes at 21:30 during the congress period.

Programs

1) Plenary Lectures

Plenary Lectures are held at the Century Hall (Building 1) on Monday 27 July (15:20–16:40: 3 lectures), and at the Shirotori Hall (1st Floor, Building 4) on Wednesday 29 July (15:50–16:40: 2 lectures), Friday 31 July (15:50–16:20: 2 lectures), and Sunday 2 August (14:00–14:50: 2 lectures).

2) Oral Sessions

There are 3 slots of oral sessions (AM1, AM2, PM) every day, excepting Monday 27 July and Sunday 2 August. There are no oral

sessions on 30 July.

AM1: 9:00–10:50, AM2: 11:10–13:00, PM: 17:00–18:50.

3) Poster Sessions

Poster sessions are held at the Event Hall (1st Floor, Building 1) on Tuesday 28 July, Wednesday 29 July, Friday 31 July and Saturday 1 August. There are no poster sessions on 27 July, 30 July and 2 August.

Poster presentation time is from 9:00 to 20:00 with the core time from 14:00–15:30 each day.

4) Future Earth Session

The Future Earth Session is held at the Shirotori Hall (1st Floor, Building 4) from 15:30 to 16:50 on Tuesday 28 July.

5) Mid-Congress day, 30 July.

Only mid-Congress excursions are held on Thursday July 30. All oral session rooms and exhibition room are closed.

Events

1) Ice Breaker

Date: Sunday 26 July, Time: 16:00–20:00

Location: Cafeteria Cascade (1st basement floor, Building 3).

Style: Standing style with snacks

Beverage Tickets attached with the nametag are available for drinks.

2) Welcome Function

Date: Monday 27 July

Time: 19:00–20:30

Location: Shirotori Hall (1st floor, Building 4).

Style: Standing style with snacks

Content: Welcome greeting from the Mayor of the City of Nagoya, Japanese Drum performance.

Beverage Tickets attached with the nametag are available for drinks.

3) Congress Dinner

The congress dinner is only for those who have purchased in advance.

Date: Saturday 1 August

Time: 19:30–22:00

Location: Sapporo Lion Kouyouen (Beer Restaurant).

Style: Seating, Barbeque and Buffet

Please come to the main entrance gate of the Congress Center at 19:00. Please remember to bring with you your Dinner Ticket.

4) Farewell Function

Date: Sunday 2 August

Time: 17:00–18:00

Location: Cafeteria Cascade (1st basement floor, Building 3).

Style: Standing style with snacks

Business Meetings

Business meetings of the INQUA Commissions and other project groups will be held at lunch time (13:00–14:00) and in the evening after the Oral Sessions (19:00–20:30). Please see the business meeting schedule page.

Foods / Drinks

Lunch boxes are distributed at the Lobbies located on the 3rd and 4th floors of Building 1 and 1st, 2nd and 3rd floors of Building 2.

Daily Lunch Tickets, which are printed together with your name card, are required to receive a lunch box.

Lunch boxes for vegetarians are prepared near the LOC office on the 1st floor of the Building 2.

Restaurants and cafeterias in the Congress Center are open everyday. However lunch tickets provided to delegates cannot be used in these restaurants. You must therefore pay if you have lunch there.

There are a few restaurants and food shops outside the Congress Center and near subway stations.

Coffee/tea will be served during coffee breaks in the morning (10:50–11:10) on the floors near the oral session rooms and afternoon (15:00–15:50) in the Event Hall.

Bottled water will be served near the oral session rooms and in the poster session room.

Badges

Badges must be worn for access to ALL activities. There is a JY 1,000 replacement fee for lost or forgotten badges. Accompanying persona are also required to wear their badges.

Tickets

Delegates will receive all pre-booked tickets at the registration except for excursions. These will be provided together with the nametag. Tickets are required for lunches, the Congress Dinner and beverages during the Icebreaker and Welcome Function.

Wifi and Internet Access

Free wifi is available in the Congress Center. Internet access is also available from computers at the lobby of 1st floor of Building 2. It opens from 9:00 to 21:00.

Childcare

(This service requires pre-registration)
Childcare service is available from 9:00–19:00 at Room 211 (1st floor, Building 2) next to the LOC office (room 212). This service will be provided by a childcare company.

First Aid and Emergency Services

If you have any health problems, please come to the LOC office (room 212, 1st floor, Building 2). Summer in Nagoya is extremely humid and hot. Please take precautions against heat strokes by wearing appropriate clothing and drinking water often.

No Smoking Policy

Delegates should be aware that the Nagoya Congress Center is a non-smoking facility. Permitted smoking areas are available only in limited areas outside of the Congress Center.

Tour Desk

A travel agent, JTB-GMT will support and propose trips around Nagoya and other areas at the tour desk near the LOC office (room 212, 1st floor, Building 2). You can enquire about excursions at this tour desk, too.

Guide for Nagoya

There are guides from the Nagoya Convention and Visitors Bureau near the LOC office (room 212, 1st floor, Building 2). They will help you to seek restaurants, shopping stores, and sightseeing spots in Nagoya.

ATM, Money Exchange, and Post service

ATMs, money exchange and postal services are not available in the Congress Center. ATMs are available at most convenience stores (e.g. Seven-Eleven, Lawson, Family Mart), banks, post offices, large hotels, and shopping malls/centers. Banks are open from 9:00 to 15:00 from Monday to Friday. Credit cards are not accepted in all restaurants and shops. It is recommended to have cash with you. Money exchange is only available at banks and large hotels. However it is highly recommended to exchange money at banks or exchange bureaus in the airports when you arrive in Japan.

Electricity

The electricity supply is 110 volts and 60 Hz. The connection for appliances/plugs is Type A: two parallel blades without a wider blade for ground. It is not possible to insert US type A plug with a wider blade.

Congress Office (LOC)

Room 212 (1st floor, Building 2)
E-mail: inqu2015@jtbcom.co.jp

Guidelines for Presenters

Oral Presenters

1. Time for presentation

All oral presentations must not exceed 15 minutes including 3-minute discussion.

2. Computer for presentation

There is a laptop PC in each session room but you may also use your own laptop. The PC in each session room is equipped with Windows 7, Microsoft Power Point 2013, Windows Media Player, and Adobe Acrobat Reader.

3. Presentation data check

We recommend that you check your presentation file using the projectors at the session rooms during a break before your presentation. Please make sure your slides are projected properly. The earlier this check is carried out the better.

4. Connection with the projector

If you use your own laptop, please make sure you connect it yourself to the projector using the connection cable just before your presentation.

5. Transfer of presentation file into the session room PC

If you do not use your own laptop, use a thumb drive (e.g. USB flash drive) containing your presentation and transfer your presentation into the PC in the session room before the start of your session. Please note that all data linked to your presentation should be saved in the same folder on the laptop PC.

6. Countermeasure against computer viruses

To avoid the possible spread of computer

viruses, we request that you scan your presentation files beforehand with updated anti-virus software.

7. Projector resolution

Monitor resolution is XGA (1024--768 pixels).

Poster Presenters

1. Location

All poster presentations will be held at "Event Hall" located on the 1st Floor of Building 1.

2. Size of a poster board

The size of a poster board for each poster presentation is 210 cm tall and 180 cm wide.

3. To find the location of your poster

We will prepare the list of poster presentations with "Poster Board Number" and map of the poster session room at the entrance of the Event Hall. Please find your number. "Poster Board Number" and presentation number will be posted at the top of each poster board.

4. Poster display

The presentation time of all posters is from 9:00 to 20:00. Please put up your poster on the poster board in the morning and remove it after 18:30. All posters will be replaced everyday. Use Push-pins prepared in the poster session room. Do not use adhesive tapes or Velcro.

5. Core time

The core time for poster presentation is 14:00--15:30 everyday. All Presenters are advised to be in front of their posters during the core time.

Sir Nicholas Shackleton Medal



Piecing together sea-level change in the Quaternary and the carbon age

Robert E. Kopp

Department of Earth & Planetary Sciences, Rutgers Energy Institute, and Institute of Earth, Ocean and Atmospheric Sciences, Rutgers University

It's a great pleasure to receive this medal, especially since I haven't spent my whole research career focused on the Quaternary. I'm truly grateful that you all judge the contributions I've made to Quaternary science worthy of this recognition.

I began in the geosciences as an undergraduate studying Martian meteorites under the guidance of Munir Humayun, then migrated to the early Proterozoic as a graduate student under the tutelage of Joe Kirschvink -- both excellent mentors who shaped how I work as a scientist. My student research was motivated by a desire to understand the place of life in the Universe-- the unlikely events that led to a thriving biosphere on planet Earth.

As I finished my graduate work, I became increasingly concerned about the place of humanity in that biosphere, which led me -- under the guidance of my mentor, friend, and collaborator Michael Oppenheimer -- to shift my attention from Proterozoic Snowballs to Quaternary interglacials. Using computational skills honed in deep time, I began working on statistical models to piece together the noisy geological records of Quaternary sea-level

changes. "Given that the geological record is a far from perfect recorder, and given the physics that make every part of the planet see a different sea-level history," we asked, "how do we combine records and quantify uncertainty in reconstructions of sea-level and ice-volume history?"

I started working in the Last Interglacial, in close collaboration with Jerry Mitrovica, Adam Maloof and Frederik Simons. Over the last couple years, my group's paleo-sea level research has developed a major focus on the Holocene, in collaboration with Ben Horton and Andy Kemp.

But, driven by the fundamental question of humanity's place in the Earth system, I've also kept a major focus in what some might call the Anthropocene. Some of our work builds directly off the statistical toolkit we developed for paleo-research; my postdocs Carling Hay and Eric Morrow recently led an innovative new reanalysis of 20th century tide gauge records.

Some also stems from two years I spent working as a policy fellow in the U.S. Department of Energy; under Rick Duke's mentorship, I became involved in both clean energy diplomacy and the linking of

physical climate science into economics and decision-making. This linkage drives the future-oriented part of my group's research. But the past and the future are not separate worlds -- paleo-sea level records can calibrate our projections of evolving coastal flood risks. And, more broadly, records of past warm periods provide our best check

on whether the models used to project the future may be underestimating future climate risk.

I'd like to close by thanking numerous colleagues from Chicago, Pasadena, Washington, New Jersey, and the American Climate Prospectus research team who have been generous sources of support and ideas

INQUA Distinguished Service Medal



My Career With INQUA

Nat Rutter

Distinguished University Professor Emeritus, Dept. of Earth and Atmospheric Sciences, University of Alberta

As a Ph.D student, my advisor said, "You should go to INQUA and present a paper." I said, "What is INQUA?" It was in 1965 in Boulder, Colorado, not far from Alberta, so I went. This made a huge impression on me. Here were scientists from all over the world speaking on an array of Quaternary subjects. I presented my paper on the mountain glaciation of the Canadian Rockies and was able to compare my research with others' glacial studies in North America.

Needless to say, I have attended most of the INQUA congresses ever since. During my tenure on the Executive in the 80's and 90's, I saw significant advances in the influence of INQUA. To name a few: we

increased our national memberships;

we became an independent union in the family of scientific unions; we began to correlate worldwide Quaternary events; and we re-dated the Quaternary to 5.8 my. Our members dominated many IGCP (International Geological Correlation Program) projects and also participated in our own scientific commissions and committees, which stimulated scientific thought. We began to look at the earth as an integrated system, especially with the advent of computer modelling. We were a major force in the development of PAGES (Past Global Changes) of the International Geosphere-Biosphere Program. We made sure that the Organizing Committee was well represented by Quaternary scientists

to complement the climate modellers. We stressed that in order to enable us to test past climate models one had to consider climatic proxy data. The modellers did this, and proxy Quaternarists are still strongly represented on PAGES. Needless to say, concern for climate change has increased our influence greatly. This can be easily demonstrated by the increase of funding for our research by governments and other agencies. On a personal level, INQUA has made it possible for me to engage in a variety of worldwide projects through contacts I have made in INQUA and other committees. Among others, these include Argentine raised beaches (Enrique Schnack) and Quaternary geology (Jorge Rabassa), Russian Plain loess stratigraphy (Andrie Velichko), Chinese Loess stratigraphy (Liu

Tungsheng, Ding Zhongli), Namibian lake deposits (Jim Teller), and glacial drainage (Matti Saarnisto, Rein Vaikmae). In my opinion, INQUA is an important scientific organization bringing together scientists on a worldwide scale in many fields, such as archeology, geography and climate modelling. It is a necessary force to bring about better understanding of the problems facing the world today, especially climate change, natural hazards and understanding human development. INQUA has been an important part of my career, opening doors that I never knew could be opened. Probably the most important thing is that I have made many lasting friendships.

May INQUA continue to thrive!

Liu Tungsheng Distinguished Career Medal



A lifetime of luminescence in the service of the Quaternary

Ann Wintle

**Department of Geography and Earth Sciences,
Aberystwyth University and McDonald Institute for
Archaeological Science, Cambridge University**

I am delighted to accept the Liu Tungsheng Distinguished Career Medal. I have been interested in Quaternary Geology ever since it was suggested by my PhD supervisor Martin Aitken that, as a recent physics graduate, I should investigate the

potential of thermoluminescence signals from mineral grains for dating lava flows. Although my interest soon moved into the study of sedimentary deposits, I am, 46 years later, still investigating the potential of luminescence signals from minerals as a

means of dating.

My career has taken me into university departments of physics, archaeology, botany and geography, and has convinced me of the importance of interdisciplinary research. Collaborating with Nick Shackleton, another physicist, provided me with the overview of climate change during the Quaternary period and an appreciation of the need for chronologies to be established for terrestrial deposits.

I have had the good fortune to have worked with many worldwide experts on loess, and in particular to have been introduced to the Chinese Loess Plateau by Liu Tungsheng during a field trip and workshop in Xian in 1984. My first visit to China in 1984 led to ongoing contact with young Chinese students. Sampling trips to the loess deposits in eastern Europe in the 1980s enabled me to visit countries that were cut off from western research. These countries, with extensive loess deposits, now have their own laboratories and are contributing to our understanding of the luminescence properties of quartz and feldspars. I have had the privilege of being

able to share the academic challenges, (and there have been many), with graduate students and post-doctoral researchers who form an academic family of many generations. After setting up a laboratory in Aberystwyth, I was able to host young international researchers, who each brought with them a particular project and interest.

Through the initial investigations of optically stimulated luminescence in the 1980s, and the development of a single aliquot dating procedure for quartz, dating of young sedimentary deposits has become routine. However, this does not mean to say that there are no further challenges: it is rather that the questions which can be answered may need to be reformulated with regard to the depositional environment. However, for me the major challenge has always been trying to use luminescence signals to date older and older samples.

The complexity of the behaviour of luminescence signals from sedimentary grains of both quartz and feldspars still provides a challenge for samples over 50,000 years, requiring increasingly complex laboratory procedures. Likewise, our understanding of the behaviour has been both enhanced and made more complex by our ability to measure signals from individual sand-sized grains. I hope that the next half-century will see the extension and routine use of luminescence techniques as chronological tools.

Plenary Lectures



Emerging signals of tropical Pacific climate variability: the mid-Holocene to the last millennium

Kim Cobb

Earth & Atmospheric Sciences,
Georgia Institute of Technology

Interannual variability in the tropical Pacific climate system has far-reaching effects on global climate patterns, yet lower-frequency changes in tropical Pacific climate, and their relationship to climatic forcings, are difficult to detect with available climate data. In part, this reflects the paucity of data available from the tropical Pacific, whether instrumental or proxy-derived. However, recent studies continue to expand the range of natural variability in tropical Pacific climate on interannual to millennial timescales. At the same time, increased attention on uncertainties in paleoclimate reconstructions means that the most robust reconstructions are those that are well-replicated. Here we use a growing database of modern and fossil corals from the central tropical Pacific to

revisit some key questions about tropical Pacific climate: 1) Is there a statistically significant change in ENSO variance over the last 6,000 years? and What was the magnitude of centennial-scale changes in central tropical Pacific over the last millennium, and how do such changes relate to extended periods of western US drought? We apply a combination of coral oxygen isotopes and Sr/Ca ratios to over 100 newly-dated coral colonies from these time periods in order to constrain both temperature and hydrological changes over these key periods. As such, we expand and refine the datasets presented in Cobb et al., 2003 and Cobb et al., 2013 to focus on quantifying tropical Pacific climate changes during these two key epochs.



Ecological Processes in a Changing Environment: Perspectives from the Quaternary

Jessica L. Blois

Life and Environmental Sciences,
School of Natural Sciences
University of California, Merced

Understanding the patterns of and mechanisms underlying compositional change is important given the many factors that may influence future biodiversity. To provide a long-term context for recent and future biodiversity changes, my research explores the influence of two potential primary drivers of biodiversity change: climate and interactions between species. In this talk, I focus on several projects that use the Quaternary fossil record to disentangle these two potential drivers, and in the process, explore the robustness of models commonly used to project future biodiversity changes. Overall, Quaternary fossil assemblages show strong signals of

environmental structuring which implies that, at least at broad scales, climate-based models are relatively good for predicting changes in species and communities. However, interactions between species are likely influencing assemblages as well and incorporating associations between taxa into models could lead to relatively greater predictive ability, particularly across periods of substantial climate change. Despite this, all models perform poorly with increasing amounts of climate change, so care needs to be taken when projecting biodiversity changes into potential no-analog climates of the future.



Organic molecules as tools for Quaternary paleoclimatology

Naohiko Ohkouchi
JAMSTEC

Oceanic and lake sediments generally contain organic matter 0.5% or more. The sedimentary organic matter is a complex mixture of various types of organic

molecules produced by diverse organisms inhabiting both aquatic and terrestrial environments. Some of these organic molecules are useful for reconstructing the

environmental information when and where they were produced, because they record the physiological response of the source organism to the surrounding environment. During the last several decades, numerous efforts have been made to improve our knowledge on this tool and to apply them to the sediments. So far, many 'biomarkers', source-specific organic compounds and compound groups, have been believed to be useful for this purpose. Furthermore, this

tool has been strengthened by determining stable/radio isotopic compositions (i.e., D/H, $^{13}\text{C}/^{12}\text{C}$, $^{14}\text{C}/^{12}\text{C}$, $^{15}\text{N}/^{14}\text{N}$ etc.). In the presentation, I overview the recent progresses in the molecular/isotopic tools for the reconstruction of Quaternary paleoenvironment, and show some case studies with the nitrogen isotopic records of chlorophylls and amino acids, and radiocarbon in fatty acids from the oceanic and lake sediments.



Connecting remote climate changes? Models can help!

Masa Kageyama

LSCE/IPSL, Gif-sur-Yvette, France

in collaboration with : Pauline Beghin, Sylvie Charbit,
Pascale Braconnot, Kenji Izumi, Véronique Mariotti, Charline
Marzin, Priscilla Le Mézo, Tilla Roy

Each individual palaeoclimatic record tells us a story of local to regional climatic changes with time. Each of these stories constitutes a test of our understanding of the natural variations of the Earth climate system, and therefore a test for climate models, which are built from this understanding. Even more intriguing than individual climate reconstructions are the relationships they suggest between climatic changes at remote locations. These can be seen as long-term equivalents of the "teleconnections" defined by atmospheric dynamicists to analyse short-term variability (typically at interannual time scales, e.g. Wallace and Gutzler, Monthly Weather Review, 1981). Teleconnections can be related to typical patterns in atmospheric

circulation which can explain simultaneous changes in atmospheric characteristics at different locations. In this presentation, I will give examples of how climate models can help and study potential "paleoclimatic teleconnections". All these examples will deal with glacial climate and glacial climate instabilities.

I will first investigate the climate of the Last Glacial Maximum over the North Atlantic and Europe, based on simulations from the Paleoclimate Modelling Intercomparison Project (PMIP, Braconnot et al, Nature Climate Change, 2012) and from numerical experiments designed to test the impact of the altitude of the North American ice sheet on the North Atlantic atmospheric circulation and on the

European climate. I will show that the LGM North Atlantic circulation and European climate are strongly related to the state of the North American ice sheet and North East Atlantic, which suggests a link between climatic changes on both sides of the North Atlantic.

A second example will deal with a perturbed glacial state in which the Atlantic Meridional Overturning Circulation is made to vary, by imposing fresh water fluxes into the North Atlantic. Climate changes around

the North Atlantic and at distant locations, such as the tropical Atlantic and Africa, and the area affected by the Indian monsoon, will be investigated and the roles of tropical vs. extra-tropical teleconnections will be compared.

Finally, I will discuss the potential of reconstructing both surface and subsurface temperatures for the LGM equatorial Pacific, in terms of reconstructing consistent scenarios of oceanic, and maybe even atmospheric, circulations.



Continuous sea-level records with well-constrained chronologies: Implications for rates of change and climate sensitivity

Eelco J. Rohling

Research School of Earth Sciences,
The Australian National University

Apart from the obvious need for understanding sea-level variability in response to climate change, there is also a need for detailed records of sea-level variability in studies of climate sensitivity to radiative forcing changes. This is because ice-volume variations are a critical factor in the radiative forcing of climate through the ice-albedo feedback process. I will go through the main observational methods

that exist for reconstructing past sea-level variations, including their fundamental approaches and assumptions, and hence their limitations and potential. I will conclude with some key examples of how improved understanding of past sea-level variations helps in developing quantitative reconstructions of past equilibrium climate sensitivity.



Utilizing results of Quaternary studies to predict earthquake scenarios and resultant ground motion of future earthquakes

Haruko Sekiguchi
DPRI, Kyoto University

In seismologically active regions like Japan, where disastrous earthquakes occur repeatedly, ground motion predictions for future earthquakes are an important decision-making tool when establishing strength requirements for buildings and infrastructure and making rescue and support plans for earthquake disasters.

Ground motion predictions are generally made with numerical simulations of seismic wave propagation within a crustal structure model, where the seismic wave is first generated by a source model activated inside the crustal structure model. Geological and geographical data along with seismological and geotechnical data are used in source and crustal structure modeling. Recently, in order to achieve realistic ground motion predictions, we have developed methods to construct more realistic source and crustal structure models by making further use of geological and geographical data under a Japanese Ministry of Education, Culture, Sports, Science, and Technology (MEXT) contract research project titled “Comprehensive Research on the Uemachi Fault Zone.”

For source modeling, we estimated the source processes with a numerical simulation of dynamic rupture under the constraints derived from geological and geographical data. The shape of the

fault plane under the earth’s surface was estimated from the flexure structure of the sedimentary layer on the hanging wall. The uplift rate distribution was evaluated from the gap of sedimentary layers across the fault trace identified from 2 m DEM data, which were used to estimate the typical stress distribution on that fault plane. The source processes were estimated with a numerical simulation of the spontaneous propagation of a rupture on the fault plane under the constraints of the stress distribution and the faulting dynamics. While we cannot predict the one true source process that will be realized during the next earthquake given the present level of our knowledge and technology, we do expect that we can better constrain variations in the source process model by introducing geological and geographical data for the target fault and applying dynamic modeling techniques.

For crustal structure modeling, the three-dimensional Osaka sedimentary basin model was revised. The Osaka sedimentary basin, which overlays the Uemachi Fault Zone, is densely inhabited and has exhibited high amplification tendencies for seismic waves. The main data to construct the sedimentary structure model were obtained by geophysical surveys. Moreover, geological information was useful for interpolating

the physical properties three-dimensionally because this enabled us to introduce the geological factors influencing the physical properties during interpolation. We arranged the geophysical survey data in terms of the depositional time and generated the geological model first. Then, we transferred the geological structure model into the velocity structure model by considering the dependence of physical properties not only on the depth but also on

the depositional time and maximum buried depth.

Based on the new source models for the Uemachi Fault Zone and the new velocity structure model of the Osaka basin, the ground motion in the basin was computed. The synthetic results suggest that the seismic intensity would be approximately 6- to 7 all over the Osaka plain if an earthquake were to occur in this region.



Giant Tsunamis in the Holocene: Geological and Historical Evidence and Geophysical Modeling

Kenji Satake

Earthquake Research Institute,
the University of Tokyo

Tsunami deposits provide important information on past earthquakes and tsunamis. Date and location of the past earthquake and tsunami can be accurately estimated, if the tsunami deposit data are combined with historical records. Type of tsunami source and size can be studied, if geophysical modeling such as coastal deformation or tsunami simulation is combined. As an example, I will review studies on the AD 869 Jogan earthquake, a predecessor of the 2011 Tohoku earthquake.

Tsunami deposits have been found on the Sendai and Ishinomaki Plains in northern Japan (Minoura and Nakaya, 1991, *J. Geology*; Minoura et al., 2001, *J. Natural Disaster Sci.*; Sawai et al., 2012, *Geophys. Res. Lett.*). Tsunami deposits typically

associate with the AD 915 ash layer from Towada volcano, and extend at least 1.5 km inland from the estimated shoreline around that time, which is 1–1.5 km inland from the present coast.

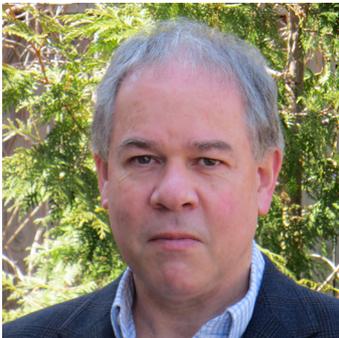
According to a historical document (“Nihon Sandai Jitsuroku”), a strong ground shaking and the ensuing tsunami caused 1000 fatalities around Sendai on July 9, 869 (Jogan era on the Japanese calendar). Distribution of the tsunami deposits was used to estimate the size and fault parameters of the Jogan earthquake. Tsunami inundation was computed from various types of fault models and compared with the distribution of tsunami deposits (Sawai et al., 2012, *GRL*). The best model for the Jogan earthquake was an interplate type

with moment magnitude of Mw 8.4. In this comparison, the distribution of tsunami deposits was assumed to coincide with the simulated inundation area.

Mapping of the modern tsunami deposits from the 2011 Tohoku earthquake on these plains indicated that no sandy tsunami deposits were found near the inundation limit (Goto et al., 2011, *Marine Geology*). By using the simulated flow depths and velocities for the 2011 tsunami, the size of

the 869 earthquake was updated to at least Mw of 8.6 (Namegaya and Satake, 2014, *GRL*).

Recent paleotsunami studies, started after the 2011 tsunami, found possible Jogan tsunami deposits, both north and south of the Sendai plain. Tsunami numerical simulation from fault models would better constrain the size and location of the 869 Jogan earthquake and other predecessors of the 2011 Tohoku earthquake.



The Quaternary Period/System and its official subdivision: past, present, and future

Martin J. Head

Chair, International Subcommittee on Quaternary Stratigraphy

The Quaternary as a subdivision of geologic time was first introduced by Arduino in 1760. It was subsequently used formally for marine sediments in the Seine Basin by Desnoyers in 1829, and featured on most geological time scales for at least 120 years. Attempts by the International Commission on Stratigraphy (ICS) beginning in 2004 to suppress the Quaternary as an official term were resisted by the ICS's own Subcommittee on Quaternary Stratigraphy (SQS) and by INQUA. The position of SQS and subsequently that of INQUA was that the Quaternary should bear the rank of system/period and begin at 2.6 Ma, taking advantage of the pre-existing Gelasian

Stage Global Boundary Stratotype Section and Point (GSSP) at Monte San Nicola in Sicily which is conveniently close to the widely correlated Gauss–Matuyama Chron boundary. This was a pragmatic decision because the intensification of Northern Hemisphere glaciation (iNHG), with which the Quaternary is loosely associated, starts earlier, at ~2.74 Ma in the Piacenzian.

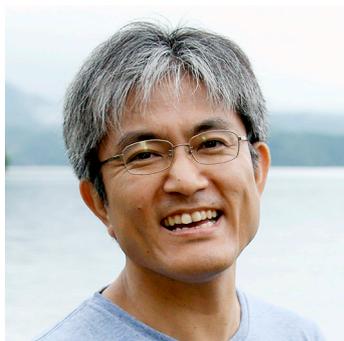
An obstacle to the demands of SQS and INQUA, that the Quaternary begin at 2.6 Ma, was the existing Pliocene–Pleistocene Series boundary already established at Vrica in Italy and dated at 1.8 Ma. To maintain both boundaries would have violated hierarchical requirements of the time scale. Following protracted, intense

and sometimes acrimonious debate, the Quaternary was officially defined in June 2009 at the rank of system/period with a base at 2.6 Ma, and the Pliocene–Pleistocene boundary accordingly lowered to the same level. These decisions cannot now be officially revisited until 2019. While the importance of iNHG at ~2.74 Ma is not disputed, new research has revealed an important shift in North Atlantic circulation at 2.6 Ma with concomitant and presumably related changes occurring elsewhere in the higher northern latitudes, all essentially coincident with the base of the Quaternary.

In 2011, the Calabrian was defined as the second lowest stage of the Quaternary (the lowest being the Gelasian), utilizing the former Pleistocene GSSP at Vrica. The base of the Holocene had earlier, in 2008, been defined at 11,700 calendar years before AD 2000 in a Greenland ice core. The

Early–Middle Pleistocene boundary is the most pressing boundary currently under consideration, with the Matuyama–Brunhes Chron boundary serving as its primary guide. Three candidate GSSPs are under consideration, the Valle di Manche and Montalbano Jonico sections in Italy and the Chiba section in Japan. These are all being presented at a special session during this congress, with the Chiba section also the subject of a post-congress excursion.

Future challenges include the definition of the Upper Pleistocene with a base near that of the last interglacial (~130 ka), a suggested tripartite subdivision of the Holocene (at 8.2 ka BP and 4.2 ka BP), a decision on the status and rank of the Anthropocene (presently preferred onset at some time in the mid-20th century), and if necessary a robust defense of the Quaternary itself in 2019!



Towards better radiocarbon calibration: A story of a Japanese lake

Takeshi Nakagawa
Research Centre for Palaeoclimatology,
Ritsumeikan University

Radiocarbon dating is the most widely used method of age determination for the last 50,000 years. However, radiocarbon dates need to be calibrated into more accurate ‘calendar’ ages because the radiocarbon production rate is not constant

through geological time. Because the last 50,000 years is characterised by a number of abrupt climatic oscillations and is the most relevant to the modern humans, improving accuracy of radiocarbon calibration model is of major interest for a range of quaternary

scientist.

Recently, a lake in Japan largely contributed to improve the accuracy of radiocarbon calibration.

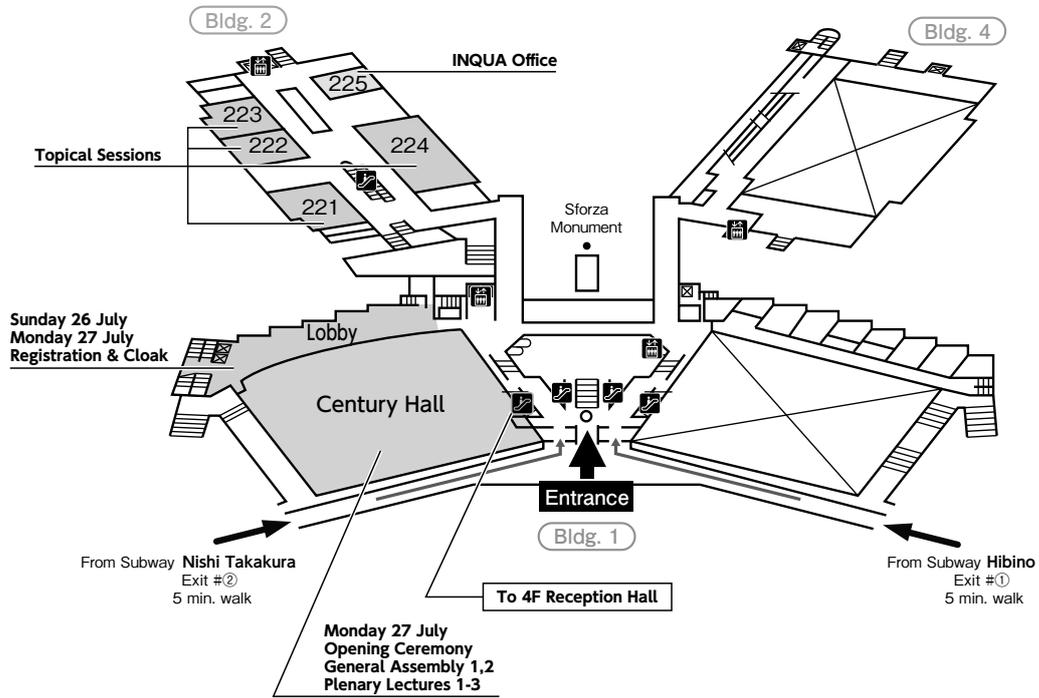
The most reliable calibration model can be produced from tree rings as the tree ring chronology is allegedly free of errors (at least in annual resolution) and tree tissues are fixing atmospheric carbon. At the moment, however, the tree ring-based calibration model only stretches back to the Lateglacial. Beyond the tree ring limit, the international consensus calibration model (IntCal) was based on marine records. Although the researchers were fully aware of the problem of marine reservoir effect that causes multi-centennial scale uncertainties in calibrated ages, the quaternary community was reluctantly relying on the marine datasets as there were no better alternative solutions. Potential of lacustrine varve as a material for terrestrial calibration model has long been recognised since Kitagawa & van der Plicht proposed a very ambitious calibration dataset from Lake Suigetsu, Japan back in 1998. Their dataset did not become an integral part of the international consensus calibration model as the studied sediment core (recovered in 1993) was not fully continuous. In 2006, a new set of fully

overlapping sediment cores was recovered again from the lake. An international collaboration team, established in 2008, intensively worked on the core to generate: i) fully continuous varve chronology and ii) over 500 radiocarbon determinations on terrestrial leaf fossils. Two separate methods (thin-section microscopy and XRF scanning) were employed to perform varve counting. Varve and radiocarbon datasets were combined into a unified calibration dataset, the uncertainties of which was then considerably reduced by Bayesian modeling onto stalagmite datasets.

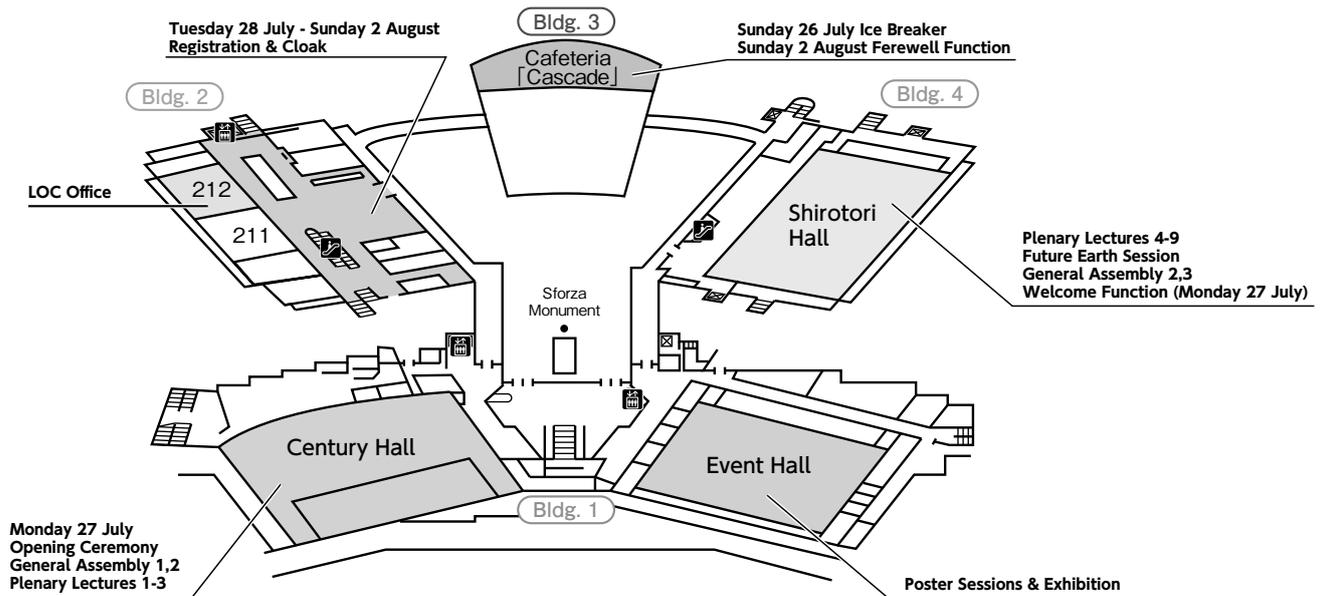
The Kitagawa and van der Plicht (1998) dataset was also revived by stratigraphically correlating laminations to the new core. Finally, the fully terrestrial radiocarbon calibration dataset that the research team proposed in 2012 was ratified as the largest component of the IntCal₁₃ calibration model.

In the presentation, some (possibly dramatic) stories of the endeavour of the Suigetsu research team, as well as some (possibly very important) implications of the new chronology for the understanding of the glacial climate oscillations will be presented.

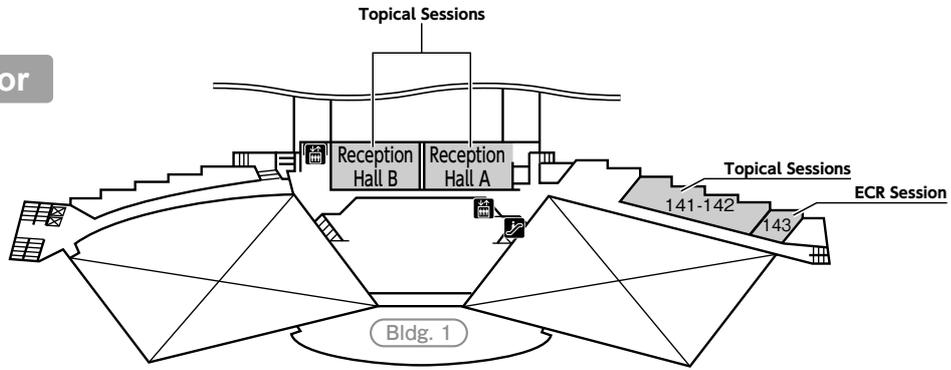
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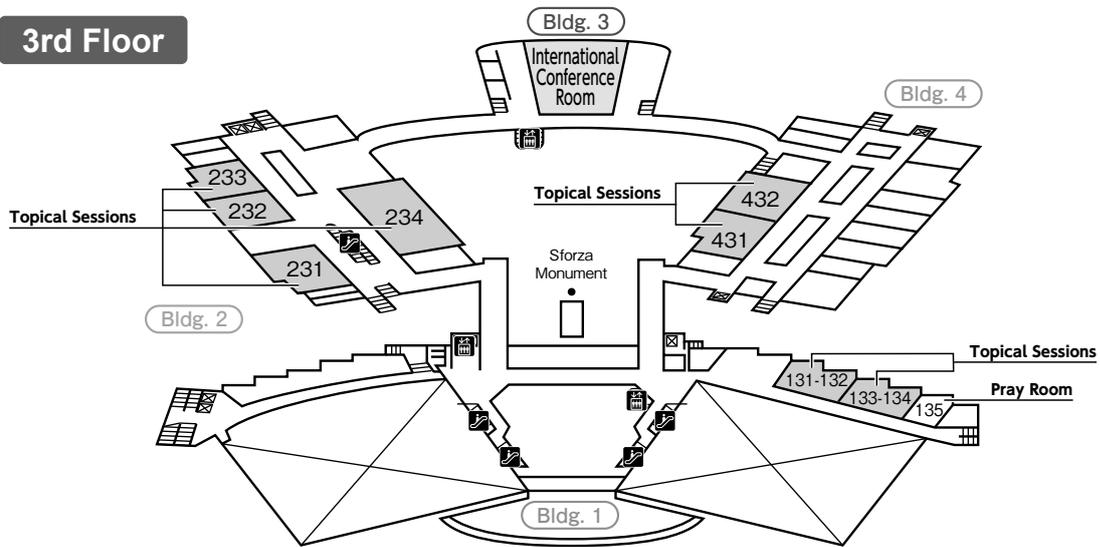
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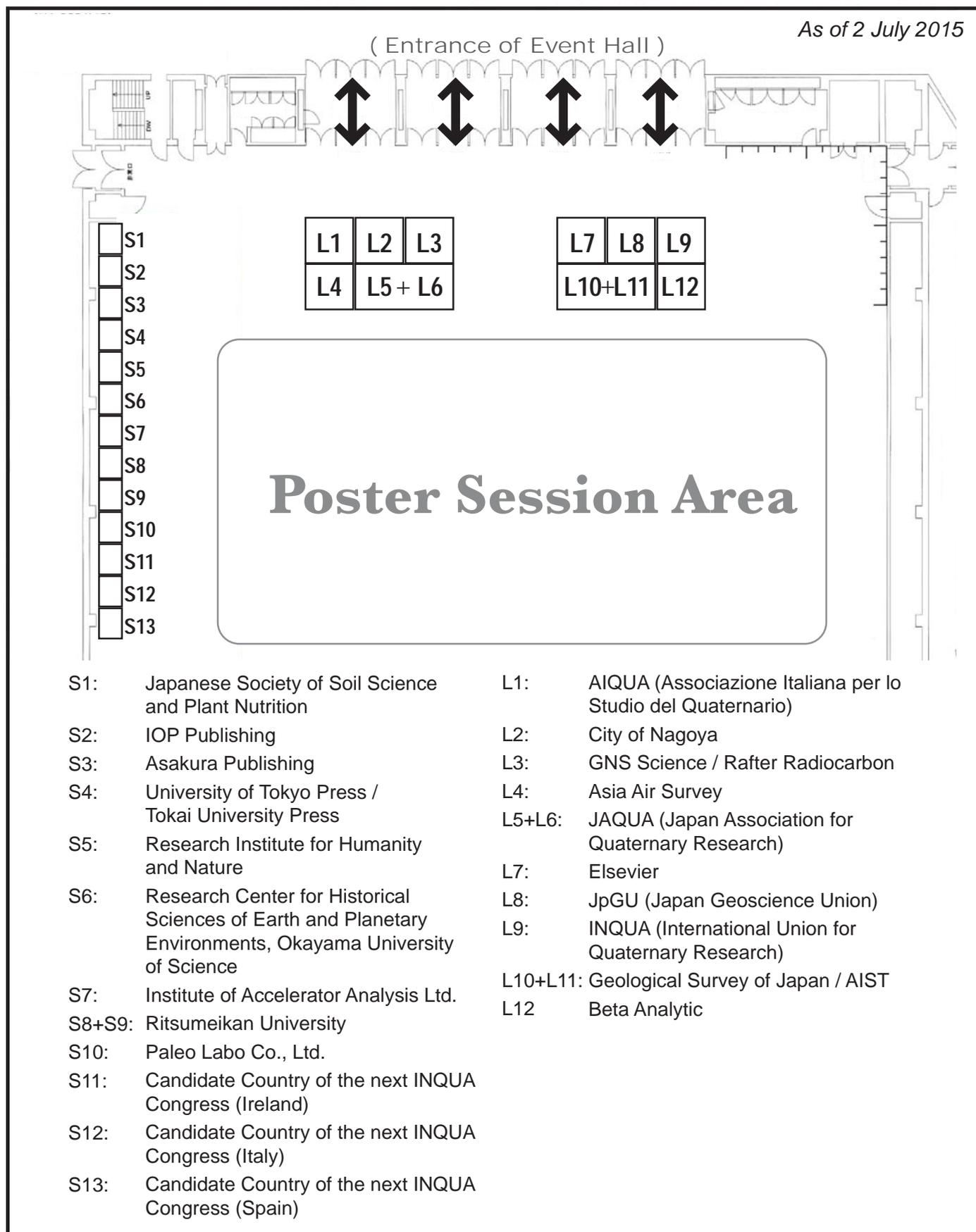


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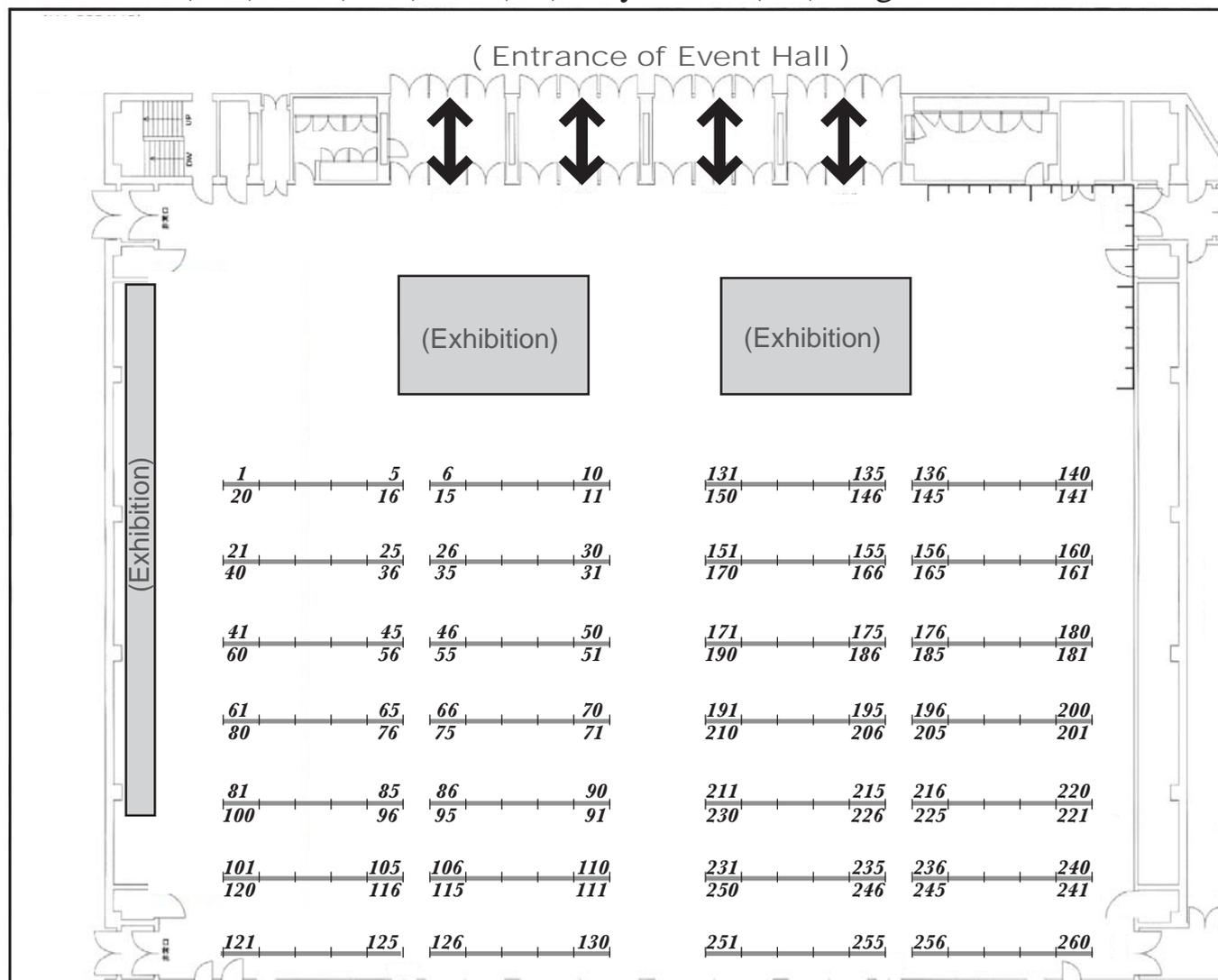
Exhibition

Exhibition will be open from 19:00 on 27 July through 14:00 on 2 August at Event Hall



Map of Poster Session Room

Presentarion time is from 9:00 to 20:00 (core time is 14:00-15:30) on 28 (Tue), 29 (Wed), 31 (Fri) July and 1 (Sat) August at Event Hall



Poster board number of each presentation will be shown in the entrance of Event Hall

Schedule of Business Meetings

Tuesday, 28, July

13:00-14:00	PAGES LandCover6k	Room 231
13:00-14:00	Focus Area Palaeohydrology and Fluvial Archives (GLOCOPH)	Room 431
19:00-20:30	HaBCOM Business Meeting	Room 221
19:00-20:30	UK participants in the Congress	Room 222+223
19:00-20:30	SACCOM Business Meeting	Room 231
19:00-20:30	INTEgrating Ice core, MARine and TERrestrial records	Room 232+233
19:00-20:30	INQUA Early Career Researcher Committee Meeting	Room 234
19:00-20:30	INQUA TERPEO Commission	Room 431

Wednesday, 29, July

13:00-14:00	INQUA Project 1303: Holocene Global Peatland Carbon Dynamics	Room 432
15:50-18:50	INQUA International Council Meeting	International Conference Room
19:00-20:30	INQUA Project 1303: Holocene Global Peatland Carbon Dynamics	Room 432

Friday, 31, July

13:00-14:00	Australasian Quaternary Association	Room 221
15:50-18:50	INQUA International Council Meeting	International Conference Room
19:00-20:30	INQUA CMP	Room 222+223
19:00-20:30	Editorial Board meeting of Boreas	Room 231
19:00-20:30	AFEQ CNF-INQUA	Room 224
19:00-20:30	Singapore Journal of Tropical Geography (SJTG) Annual Lecture	Room 232+233
19:00-20:30	Fluvial Archives Group (FLAG)	Room 234
19:00-20:30	International Focus Group on Tephrochronology and Volcanism (INTAV)	Room 431

Saturday, 1, August

13:00-14:00	SHAPE	Room 432
15:50-18:50	INQUA International Council Meeting	International Conference Room

Sunday, 2, August

13:00-14:00	International Subcommission of the Quaternary Stratigraphy	Room 221
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XIX INQUA 2015 in Nagoya
XIX INQUA Congress 2015 Session List

Commission	Session Code	Short title	DATE	Session Time	Room
General	G01	Tipping points in the Late Quaternary	02 Aug (Sun)	AM1 (09:00-10:50)	Room 133-134
General	G01	Tipping points in the Late Quaternary	02 Aug (Sun)	AM2 (11:10-13:00)	Room 133-134
General	G01	Tipping points in the Late Quaternary	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
General	G02	Interdisciplinary Quaternary research	01 Aug (Sat)	AM2 (11:10-13:00)	Room 133-134
General	G02	Interdisciplinary Quaternary research	01 Aug (Sat)	PM (17:00-18:50)	Room 133-134
General	G02	Interdisciplinary Quaternary research	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
General	G03	Quaternary human activity: evolving perspectives, climate change, and mitigation strategies	31 Jul (Fri)	AM1 (09:00-10:50)	Room 431
General	G03	Quaternary human activity: evolving perspectives, climate change, and mitigation strategies	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
General	G04	General Poster Session	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C01	Sea-level and cryospheric changes in the last 2000 years	01 Aug (Sat)	AM1 (09:00-10:50)	Room 431
CMP	C01	Sea-level and cryospheric changes in the last 2000 years	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C02	Coastal wetlands	28 Jul (Tue)	AM1 (09:00-10:50)	Room 431
CMP	C02	Coastal wetlands	28 Jul (Tue)	AM2 (11:10-13:00)	Room 431
CMP	C02	Coastal wetlands	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C03	Quaternary paleoceanography and geochemical tools	27 Jul (Mon)	PM (17:00-19:05)	Room 431
CMP	C03	Quaternary paleoceanography and geochemical tools	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C04	Reconstruction and interpretation of paleo sea level records	29 Jul (Wed)	AM1 (09:00-10:50)	Room 432
CMP	C04	Reconstruction and interpretation of paleo sea level records	29 Jul (Wed)	AM2 (11:10-13:00)	Room 432
CMP	C04	Reconstruction and interpretation of paleo sea level records	29 Jul (Wed)	PM (17:00-18:50)	Room 432
CMP	C04	Reconstruction and interpretation of paleo sea level records	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C05	Asian Monsoon and coastal evolution	31 Jul (Fri)	AM1 (09:00-10:50)	Room 432
CMP	C05	Asian Monsoon and coastal evolution	31 Jul (Fri)	AM2 (11:10-13:00)	Room 432
CMP	C05	Asian Monsoon and coastal evolution	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C06	Coastal land-sea interactions	29 Jul (Wed)	AM1 (09:00-10:50)	Room 431
CMP	C06	Coastal land-sea interactions	29 Jul (Wed)	AM2 (11:10-13:15)	Room 431
CMP	C06	Coastal land-sea interactions	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C07	Post-glacial drowning of continental shelves	29 Jul (Wed)	PM (17:00-18:50)	Room 431
CMP	C07	Post-glacial drowning of continental shelves	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C08	Ice-sheet variability in warm climates: geologic records and model simulations	31 Jul (Fri)	PM (17:00-18:50)	Room 431
CMP	C08	Ice-sheet variability in warm climates: geologic records and model simulations	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C09	Revealing palaeoceanographic variability from contourite depositional systems	01 Aug (Sat)	PM (17:00-18:50)	Room 431
CMP	C09	Revealing palaeoceanographic variability from contourite depositional systems	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C10	SHELVES	31 Jul (Fri)	AM2 (11:10-13:15)	Room 431
CMP	C10	SHELVES	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C11	DELTAS	28 Jul (Tue)	AM1 (09:00-10:50)	Room 432
CMP	C11	DELTAS	28 Jul (Tue)	AM2 (11:10-13:15)	Room 432
CMP	C11	DELTAS	28 Jul (Tue)	PM (17:00-19:05)	Room 432
CMP	C11	DELTAS	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C12	Comparative paleoecology of the subarctic marine system	28 Jul (Tue)	PM (17:00-18:50)	Room 431
CMP	C12	Comparative paleoecology of the subarctic marine system	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C13	Temporal changes in sea-level	01 Aug (Sat)	AM2 (11:10-13:00)	Room 431
CMP	C13	Temporal changes in sea-level	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C14	Late Quaternary paleovalley systems	02 Aug (Sun)	AM1 (09:00-10:50)	Room 431
CMP	C14	Late Quaternary paleovalley systems	02 Aug (Sun)	AM2 (11:10-13:00)	Room 431
CMP	C14	Late Quaternary paleovalley systems	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
CMP	C15	CMP Commission Poster Session	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall

XIX INQUA 2015 in Nagoya
XIX INQUA Congress 2015 Session List

Commission	Session Code	Short title	DATE	Session Time	Room
HaBCom	H02	Using paleodata and models to understand the fire-humans-climate-vegetation nexus	01 Aug (Sat)	AM1 (09:00-10:50)	Room 224
HaBCom	H02	Using paleodata and models to understand the fire-humans-climate-vegetation nexus	01 Aug (Sat)	AM2 (11:10-13:00)	Room 224
HaBCom	H02	Using paleodata and models to understand the fire-humans-climate-vegetation nexus	01 Aug (Sat)	PM (17:00-18:50)	Room 224
HaBCom	H02	Using paleodata and models to understand the fire-humans-climate-vegetation nexus	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H03	LGM prehistory in Northern Eurasia	28 Jul (Tue)	AM1 (09:00-10:50)	Room 222-223
HaBCom	H03	LGM prehistory in Northern Eurasia	28 Jul (Tue)	AM2 (11:10-13:00)	Room 222-223
HaBCom	H03	LGM prehistory in Northern Eurasia	28 Jul (Tue)	PM (17:00-18:50)	Room 222-223
HaBCom	H03	LGM prehistory in Northern Eurasia	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H04	Wetland archaeology and environmental change	02 Aug (Sun)	AM1 (09:00-10:50)	Room 224
HaBCom	H04	Wetland archaeology and environmental change	02 Aug (Sun)	AM2 (11:10-13:00)	Room 224
HaBCom	H04	Wetland archaeology and environmental change	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H05	Emergence of the world's oldest pottery and its environmental background	28 Jul (Tue)	AM2 (11:10-13:00)	Room 231
HaBCom	H05	Emergence of the world's oldest pottery and its environmental background	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H06	Palaeobiogeographical and cultural dynamics within island environments	28 Jul (Tue)	PM (17:00-18:50)	Room 224
HaBCom	H06	Palaeobiogeographical and cultural dynamics within island environments	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H07	Geoarchaeology: Human-environment interactions and palaeo-geohazards	01 Aug (Sat)	AM1 (09:00-10:50)	Room 222-223
HaBCom	H07	Geoarchaeology: Human-environment interactions and palaeo-geohazards	01 Aug (Sat)	AM2 (11:10-13:00)	Room 222-223
HaBCom	H07	Geoarchaeology: Human-environment interactions and palaeo-geohazards	01 Aug (Sat)	PM (17:00-18:50)	Room 222-223
HaBCom	H07	Geoarchaeology: Human-environment interactions and palaeo-geohazards	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H08	Biosphere contaminated with artificial and natural radionuclides	28 Jul (Tue)	AM1 (09:00-10:50)	Room 231
HaBCom	H08	Biosphere contaminated with artificial and natural radionuclides	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H09	Cultural responses to Late Glacial-Middle Holocene palaeoenvironmental changes in Europe	29 Jul (Wed)	AM2 (11:10-13:30)	Room 231
HaBCom	H09	Cultural responses to Late Glacial-Middle Holocene palaeoenvironmental changes in Europe	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H10	Identifying human activity in palaeoecological records	27 Jul (Mon)	PM (17:00-18:50)	Room 224
HaBCom	H10	Identifying human activity in palaeoecological records	28 Jul (Tue)	AM1 (09:00-10:50)	Room 224
HaBCom	H10	Identifying human activity in palaeoecological records	28 Jul (Tue)	AM2 (11:10-13:00)	Room 224
HaBCom	H10	Identifying human activity in palaeoecological records	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H11	Chronology in human evolutionary studies	31 Jul (Fri)	PM (17:00-19:20)	Room 221
HaBCom	H11	Chronology in human evolutionary studies	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H12	Prehistoric use and management of plant resources	02 Aug (Sun)	AM1 (09:00-10:50)	Room 222-223
HaBCom	H12	Prehistoric use and management of plant resources	02 Aug (Sun)	AM2 (11:10-13:00)	Room 222-223
HaBCom	H12	Prehistoric use and management of plant resources	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H13	New frontiers in ancient midden research	28 Jul (Tue)	PM (17:00-18:50)	Room 221
HaBCom	H13	New frontiers in ancient midden research	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H14	Human dynamics in hot deserts	29 Jul (Wed)	AM1 (09:00-10:50)	Room 224
HaBCom	H14	Human dynamics in hot deserts	29 Jul (Wed)	AM2 (11:10-13:00)	Room 224
HaBCom	H14	Human dynamics in hot deserts	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H15	Diversification of flora since the late Pliocene	29 Jul (Wed)	PM (17:00-19:05)	Room 231
HaBCom	H15	Diversification of flora since the late Pliocene	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H16	Environmental consequences of the onset and development of agricultural societies	28 Jul (Tue)	AM2 (11:10-13:00)	Room 221
HaBCom	H16	Environmental consequences of the onset and development of agricultural societies	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H17	Land-sea-human Interactions	02 Aug (Sun)	AM1 (09:00-10:50)	Room 221
HaBCom	H17	Land-sea-human Interactions	02 Aug (Sun)	AM2 (11:10-13:00)	Room 221
HaBCom	H17	Land-sea-human Interactions	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall

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HaBCom	H18	Hominin evolution and cultural adaptation during the African Quaternary period	28 Jul (Tue)	AM1 (09:00-10:50)	Room 221
HaBCom	H18	Hominin evolution and cultural adaptation during the African Quaternary period	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H19	Pleistocene environments and bifacial technologies	29 Jul (Wed)	PM (17:00-19:05)	Room 221
HaBCom	H19	Pleistocene environments and bifacial technologies	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H20	Geoarchaeology of submerged and deeply buried landscapes	01 Aug (Sat)	AM1 (09:00-10:50)	Room 221
HaBCom	H20	Geoarchaeology of submerged and deeply buried landscapes	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H21	Paleoenvironments and human behavioral adaptations in Central Asia	29 Jul (Wed)	AM1 (09:00-10:50)	Room 221
HaBCom	H21	Paleoenvironments and human behavioral adaptations in Central Asia	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H22	Long-term palaeoecological perspectives of biodiversity, community dynamics and ecological function	31 Jul (Fri)	AM1 (09:00-10:50)	Room 224
HaBCom	H22	Long-term palaeoecological perspectives of biodiversity, community dynamics and ecological function	31 Jul (Fri)	AM2 (11:10-13:00)	Room 224
HaBCom	H22	Long-term palaeoecological perspectives of biodiversity, community dynamics and ecological function	31 Jul (Fri)	PM (17:00-18:50)	Room 224
HaBCom	H22	Long-term palaeoecological perspectives of biodiversity, community dynamics and ecological function	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H23	The isotope ecology of migration	01 Aug (Sat)	AM2 (11:10-13:00)	Room 221
HaBCom	H23	The isotope ecology of migration	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H24	Recent developments in the use of Sporormiella	27 Jul (Mon)	PM (17:00-18:50)	Room 222-223
HaBCom	H24	Recent developments in the use of Sporormiella	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H25	Paleoenvironmental and cultural landscapes of the first (South) Americans	29 Jul (Wed)	AM1 (09:00-10:50)	Room 231
HaBCom	H25	Paleoenvironmental and cultural landscapes of the first (South) Americans	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H26	Climate change and human evolution	31 Jul (Fri)	AM1 (09:00-10:50)	Room 221
HaBCom	H26	Climate change and human evolution	31 Jul (Fri)	AM2 (11:10-13:00)	Room 221
HaBCom	H26	Climate change and human evolution	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H27	West African dynamics of fluvio-lacustrine environmental changes and Anthropogenic settlements	01 Aug (Sat)	PM (17:00-18:50)	Room 221
HaBCom	H27	West African dynamics of fluvio-lacustrine environmental changes and Anthropogenic settlements	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H28	Immigration above the tide line	02 Aug (Sun)	AM1 (09:00-10:50)	Room 231
HaBCom	H28	Immigration above the tide line	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H29	Organisms and environments: Frontiers in palaeoecological technique development	29 Jul (Wed)	AM2 (11:10-13:00)	Room 221
HaBCom	H29	Organisms and environments: Frontiers in palaeoecological technique development	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H30	Domestication in eastern Asia	29 Jul (Wed)	PM (17:00-19:20)	Room 224
HaBCom	H30	Domestication in eastern Asia	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H31	Human behavioral variability in prehistoric Eurasia	29 Jul (Wed)	AM1 (09:00-10:50)	Room 222-223
HaBCom	H31	Human behavioral variability in prehistoric Eurasia	29 Jul (Wed)	AM2 (11:10-13:30)	Room 222-223
HaBCom	H31	Human behavioral variability in prehistoric Eurasia	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H32	Geoarchaeology: integrating palaeoenvironmental and archaeological records for ancient landscape reconstruction	31 Jul (Fri)	AM1 (09:00-10:50)	Room 222-223
HaBCom	H32	Geoarchaeology: integrating palaeoenvironmental and archaeological records for ancient landscape reconstruction	31 Jul (Fri)	AM2 (11:10-13:00)	Room 222-223
HaBCom	H32	Geoarchaeology: integrating palaeoenvironmental and archaeological records for ancient landscape reconstruction	31 Jul (Fri)	PM (17:00-18:50)	Room 222-223
HaBCom	H32	Geoarchaeology: integrating palaeoenvironmental and archaeological records for ancient landscape reconstruction	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H33	Quaternary record of landscape resilience and service provision	28 Jul (Tue)	PM (17:00-18:50)	Room 231

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HaBCom	H33	Quaternary record of landscape resilience and service provision	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
HaBCom	H34	HaBCom Commission Poster Session	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P01	Terrestrial palaeoclimates, palaeosols and palaeoweathering profiles	29 Jul (Wed)	PM (17:00-18:50)	Room 141-142
PALCOMM	P01	Terrestrial palaeoclimates, palaeosols and palaeoweathering profiles	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P02	Palaeoclimate modeling in PMIP	27 Jul (Mon)	PM (17:00-18:50)	Reception Hall B
PALCOMM	P02	Palaeoclimate modeling in PMIP	28 Jul (Tue)	AM1 (09:00-10:50)	Reception Hall B
PALCOMM	P02	Palaeoclimate modeling in PMIP	28 Jul (Tue)	AM2 (11:10-13:00)	Reception Hall B
PALCOMM	P02	Palaeoclimate modeling in PMIP	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P03	The ACER IFG initiative	02 Aug (Sun)	AM1 (09:00-10:50)	Reception Hall B
PALCOMM	P03	The ACER IFG initiative	02 Aug (Sun)	AM2 (11:10-13:00)	Reception Hall B
PALCOMM	P03	The ACER IFG initiative	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P04	Understanding interglacial climate	27 Jul (Mon)	PM (17:00-18:50)	Room 141-142
PALCOMM	P04	Understanding interglacial climate	28 Jul (Tue)	AM1 (09:00-10:50)	Room 141-142
PALCOMM	P04	Understanding interglacial climate	28 Jul (Tue)	AM2 (11:10-13:00)	Room 141-142
PALCOMM	P04	Understanding interglacial climate	28 Jul (Tue)	PM (17:00-18:50)	Room 141-142
PALCOMM	P04	Understanding interglacial climate	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P05	Climate change in the tropical South Pacific during the Late Quaternary	31 Jul (Fri)	PM (17:00-18:50)	Room 432
PALCOMM	P05	Climate change in the tropical South Pacific during the Late Quaternary	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P06	Environmental and climatic changes in the Mediterranean	27 Jul (Mon)	PM (17:00-18:50)	Room 133-134
PALCOMM	P06	Environmental and climatic changes in the Mediterranean	28 Jul (Tue)	AM1 (09:00-10:50)	Room 133-134
PALCOMM	P06	Environmental and climatic changes in the Mediterranean	28 Jul (Tue)	AM2 (11:10-13:00)	Room 133-134
PALCOMM	P06	Environmental and climatic changes in the Mediterranean	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P07	Southern Hemisphere LGM	02 Aug (Sun)	AM1 (09:00-10:50)	Room 432
PALCOMM	P07	Southern Hemisphere LGM	02 Aug (Sun)	AM2 (11:10-13:00)	Room 432
PALCOMM	P07	Southern Hemisphere LGM	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P08	Integrating records from the high southern latitudes	01 Aug (Sat)	AM2 (11:10-13:00)	Room 131-132
PALCOMM	P08	Integrating records from the high southern latitudes	01 Aug (Sat)	PM (17:00-18:50)	Room 131-132
PALCOMM	P08	Integrating records from the high southern latitudes	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P09	Holocene rapid climate changes	31 Jul (Fri)	AM1 (09:00-10:50)	Reception Hall B
PALCOMM	P09	Holocene rapid climate changes	31 Jul (Fri)	AM2 (11:10-13:00)	Reception Hall B
PALCOMM	P09	Holocene rapid climate changes	31 Jul (Fri)	PM (17:00-18:50)	Reception Hall B
PALCOMM	P09	Holocene rapid climate changes	01 Aug (Sat)	AM1 (09:00-10:50)	Reception Hall B
PALCOMM	P09	Holocene rapid climate changes	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P10	Marine paleoclimate proxies	31 Jul (Fri)	PM (17:00-19:05)	Room 131-132
PALCOMM	P10	Marine paleoclimate proxies	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P12	SHAPE: a southern perspective on climate evolution over the past 60 kyr	01 Aug (Sat)	AM1 (09:00-10:50)	Room 432
PALCOMM	P12	SHAPE: a southern perspective on climate evolution over the past 60 kyr	01 Aug (Sat)	AM2 (11:10-13:00)	Room 432
PALCOMM	P12	SHAPE: a southern perspective on climate evolution over the past 60 kyr	01 Aug (Sat)	PM (17:00-19:20)	Room 432
PALCOMM	P12	SHAPE: a southern perspective on climate evolution over the past 60 kyr	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P13	Palaeoglaciology of Quaternary ice sheets across Eurasia	28 Jul (Tue)	AM1 (09:00-10:50)	Room 131-132
PALCOMM	P13	Palaeoglaciology of Quaternary ice sheets across Eurasia	28 Jul (Tue)	AM2 (11:10-13:00)	Room 131-132
PALCOMM	P13	Palaeoglaciology of Quaternary ice sheets across Eurasia	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P14	Antarctic ice sheets and the Southern Ocean	02 Aug (Sun)	AM1 (09:00-10:50)	Room 131-132
PALCOMM	P14	Antarctic ice sheets and the Southern Ocean	02 Aug (Sun)	AM2 (11:10-13:00)	Room 131-132
PALCOMM	P14	Antarctic ice sheets and the Southern Ocean	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P15	Using palaeoenvironmental data to quantify climate feedbacks	28 Jul (Tue)	PM (17:00-18:50)	Reception Hall B
PALCOMM	P15	Using palaeoenvironmental data to quantify climate feedbacks	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall

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PALCOMM	P16	MIS 3 Glaciation	29 Jul (Wed)	AM2 (11:10-13:00)	Room 131-132
PALCOMM	P16	MIS 3 Glaciation	29 Jul (Wed)	PM (17:00-18:50)	Room 131-132
PALCOMM	P17	Comparing field-based evidence with ice sheet and climate modeling	28 Jul (Tue)	PM (17:00-18:50)	Room 131-132
PALCOMM	P17	Comparing field-based evidence with ice sheet and climate modeling	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P18	Seasonal palaeoenvironmental records from archaeological sites	01 Aug (Sat)	AM2 (11:10-13:00)	Room 141-142
PALCOMM	P18	Seasonal palaeoenvironmental records from archaeological sites	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P19	Islands in time	01 Aug (Sat)	AM1 (09:00-10:50)	Room 141-142
PALCOMM	P19	Islands in time	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P20	Marine and continental paleoclimates	27 Jul (Mon)	PM (17:00-18:50)	Room 131-132
PALCOMM	P20	Marine and continental paleoclimates	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P21	Tibetan Plateau and arid Central Asia	31 Jul (Fri)	AM1 (09:00-10:50)	Room 133-134
PALCOMM	P21	Tibetan Plateau and arid Central Asia	31 Jul (Fri)	AM2 (11:10-13:15)	Room 133-134
PALCOMM	P21	Tibetan Plateau and arid Central Asia	31 Jul (Fri)	PM (17:00-19:20)	Room 133-134
PALCOMM	P21	Tibetan Plateau and arid Central Asia	01 Aug (Sat)	AM1 (09:00-10:50)	Room 133-134
PALCOMM	P21	Tibetan Plateau and arid Central Asia	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P22	Asian monsoon variability recorded in various sediments	28 Jul (Tue)	PM (17:00-18:50)	Room 133-134
PALCOMM	P22	Asian monsoon variability recorded in various sediments	29 Jul (Wed)	AM1 (09:00-10:50)	Room 133-134
PALCOMM	P22	Asian monsoon variability recorded in various sediments	29 Jul (Wed)	AM2 (11:10-13:00)	Room 133-134
PALCOMM	P22	Asian monsoon variability recorded in various sediments	29 Jul (Wed)	PM (17:00-18:50)	Room 133-134
PALCOMM	P22	Asian monsoon variability recorded in various sediments	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P23	Reconstructing historical climate variability using documentary sources	01 Aug (Sat)	PM (17:00-18:50)	Room 141-142
PALCOMM	P23	Reconstructing historical climate variability using documentary sources	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P24	Extreme environments	29 Jul (Wed)	AM1 (09:00-10:50)	Room 141-142
PALCOMM	P24	Extreme environments	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P25	Sea ice in the Quaternary	31 Jul (Fri)	AM1 (09:00-10:50)	Room 131-132
PALCOMM	P25	Sea ice in the Quaternary	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P26	Global expression of Quaternary North Atlantic climate variability	01 Aug (Sat)	AM1 (09:00-10:50)	Room 131-132
PALCOMM	P26	Global expression of Quaternary North Atlantic climate variability	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P27	Climate changes from lake sediments during late Quaternary	31 Jul (Fri)	AM1 (09:00-10:50)	Room 141-142
PALCOMM	P27	Climate changes from lake sediments during late Quaternary	31 Jul (Fri)	AM2 (11:10-13:00)	Room 141-142
PALCOMM	P27	Climate changes from lake sediments during late Quaternary	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P28	Modern calibration of palaeoenvironmental proxies from biogenic carbonate geochemistry	29 Jul (Wed)	AM2 (11:10-13:30)	Room 141-142
PALCOMM	P28	Modern calibration of palaeoenvironmental proxies from biogenic carbonate geochemistry	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P30	East-Central European paleoclimate and paleoenvironment during the last glaciation	29 Jul (Wed)	AM1 (09:00-10:50)	Room 131-132
PALCOMM	P30	East-Central European paleoclimate and paleoenvironment during the last glaciation	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P31	Peat deposits during the Quaternary	29 Jul (Wed)	AM1 (09:00-10:50)	Reception Hall B
PALCOMM	P31	Peat deposits during the Quaternary	29 Jul (Wed)	AM2 (11:10-13:00)	Reception Hall B
PALCOMM	P31	Peat deposits during the Quaternary	29 Jul (Wed)	PM (17:00-18:50)	Reception Hall B
PALCOMM	P31	Peat deposits during the Quaternary	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P32	Holocene warm period of mid-latitude lakes	01 Aug (Sat)	AM2 (11:10-13:00)	Reception Hall B
PALCOMM	P32	Holocene warm period of mid-latitude lakes	01 Aug (Sat)	PM (17:00-18:50)	Reception Hall B
PALCOMM	P32	Holocene warm period of mid-latitude lakes	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P33	Quaternary changes in ocean circulation	31 Jul (Fri)	AM2 (11:10-13:00)	Room 131-132
PALCOMM	P33	Quaternary changes in ocean circulation	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P34	Environmental changes in high-resolution sedimentary records	02 Aug (Sun)	AM1 (09:00-10:50)	Room 141-142

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PALCOMM	P34	Environmental changes in high-resolution sedimentary records	02 Aug (Sun)	AM2 (11:10-13:00)	Room 141-142
PALCOMM	P34	Environmental changes in high-resolution sedimentary records	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P35	Magnetic proxies retracing environmental variations and geomagnetic field changes	31 Jul (Fri)	PM (17:00-19:05)	Room 141-142
PALCOMM	P35	Magnetic proxies retracing environmental variations and geomagnetic field changes	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
PALCOMM	P36	PALCOMM Commission Poster Session	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
SACCOM	S01	Early-Middle Pleistocene transition: local records, global correlations	01 Aug (Sat)	AM1 (09:00-10:50)	Reception Hall A
SACCOM	S01	Early-Middle Pleistocene transition: local records, global correlations	01 Aug (Sat)	AM2 (11:10-13:00)	Reception Hall A
SACCOM	S01	Early-Middle Pleistocene transition: local records, global correlations	01 Aug (Sat)	PM (17:00-18:50)	Reception Hall A
SACCOM	S01	Early-Middle Pleistocene transition: local records, global correlations	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
SACCOM	S02	Quaternary chronostratigraphy of the Arctic Ocean	27 Jul (Mon)	PM (17:00-18:50)	Reception Hall A
SACCOM	S02	Quaternary chronostratigraphy of the Arctic Ocean	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
SACCOM	S03	Progress in European Quaternary stratigraphy	02 Aug (Sun)	AM1 (09:00-10:50)	Reception Hall A
SACCOM	S03	Progress in European Quaternary stratigraphy	02 Aug (Sun)	AM2 (11:10-13:00)	Reception Hall A
SACCOM	S03	Progress in European Quaternary stratigraphy	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
SACCOM	S04	Connecting with natural hazards and archaeology using tephrochronology	31 Jul (Fri)	PM (17:00-19:20)	Reception Hall A
SACCOM	S04	Connecting with natural hazards and archaeology using tephrochronology	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
SACCOM	S05	Connecting with past environments using tephrochronology	31 Jul (Fri)	AM1 (09:00-10:50)	Reception Hall A
SACCOM	S05	Connecting with past environments using tephrochronology	31 Jul (Fri)	AM2 (11:10-13:00)	Reception Hall A
SACCOM	S05	Connecting with past environments using tephrochronology	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
SACCOM	S06	Eolian deposition and Earth surface systems	28 Jul (Tue)	AM1 (09:00-10:50)	Reception Hall A
SACCOM	S06	Eolian deposition and Earth surface systems	28 Jul (Tue)	AM2 (11:10-13:00)	Reception Hall A
SACCOM	S06	Eolian deposition and Earth surface systems	28 Jul (Tue)	PM (17:00-18:50)	Reception Hall A
SACCOM	S06	Eolian deposition and Earth surface systems	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
SACCOM	S07	Glacial history of circum-Adriatic mountains	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
SACCOM	S08	Innovative Development and Applications in Quaternary Geochronology	29 Jul (Wed)	AM1 (09:00-10:50)	Reception Hall A
SACCOM	S08	Innovative Development and Applications in Quaternary Geochronology	29 Jul (Wed)	AM2 (11:10-13:00)	Reception Hall A
SACCOM	S08	Innovative Development and Applications in Quaternary Geochronology	29 Jul (Wed)	PM (17:00-18:50)	Reception Hall A
SACCOM	S08	Innovative Development and Applications in Quaternary Geochronology	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
SACCOM	S09	SACCOM Commission Poster Session	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T01	Past hazards along coasts	31 Jul (Fri)	AM1 (09:00-10:50)	Room 232-233
TERPRO	T01	Past hazards along coasts	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T02	Palaeohydrology and fluvial archives	31 Jul (Fri)	AM2 (11:10-13:00)	Room 231
TERPRO	T02	Palaeohydrology and fluvial archives	31 Jul (Fri)	PM (17:00-18:50)	Room 231
TERPRO	T02	Palaeohydrology and fluvial archives	01 Aug (Sat)	AM1 (09:00-10:50)	Room 231
TERPRO	T02	Palaeohydrology and fluvial archives	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T03	Soil-forming processes and their rates	28 Jul (Tue)	PM (17:00-18:50)	Room 234
TERPRO	T03	Soil-forming processes and their rates	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T04	Processes of dust and loess formation and their climatic implications	29 Jul (Wed)	AM1 (09:00-10:50)	Room 234
TERPRO	T04	Processes of dust and loess formation and their climatic implications	29 Jul (Wed)	AM2 (11:10-13:00)	Room 234
TERPRO	T04	Processes of dust and loess formation and their climatic implications	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T05	Paleoseismology and EEE parameterization for seismic hazard analyses	28 Jul (Tue)	AM1 (09:00-11:05)	Room 232-233
TERPRO	T05	Paleoseismology and EEE parameterization for seismic hazard analyses	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T06	Quaternary research on past seismic records	28 Jul (Tue)	AM2 (11:10-13:00)	Room 232-233
TERPRO	T06	Quaternary research on past seismic records	28 Jul (Tue)	PM (17:00-18:50)	Room 232-233

XIX INQUA 2015 in Nagoya
XIX INQUA Congress 2015 Session List

Commission	Session Code	Short title	DATE	Session Time	Room
TERPRO	T06	Quaternary research on past seismic records	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T07	The dynamic interaction between ice sheets and their bed	28 Jul (Tue)	AM2 (11:10-13:00)	Room 234
TERPRO	T07	The dynamic interaction between ice sheets and their bed	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T08	Cryospheric processes	31 Jul (Fri)	AM1 (09:00-10:50)	Room 234
TERPRO	T08	Cryospheric processes	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T09	Urban disaster mitigation using Geoinformatics Database	29 Jul (Wed)	AM2 (11:10-13:00)	Room 232-233
TERPRO	T09	Urban disaster mitigation using Geoinformatics Database	29 Jul (Wed)	PM (17:00-19:20)	Room 232-233
TERPRO	T09	Urban disaster mitigation using Geoinformatics Database	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T10	Terrestrial landforms and marine records of river floods	01 Aug (Sat)	AM1 (09:00-10:50)	Room 234
TERPRO	T10	Terrestrial landforms and marine records of river floods	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T12	Quaternary glaciations	28 Jul (Tue)	AM1 (09:00-10:50)	Room 234
TERPRO	T12	Quaternary glaciations	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T13	Extreme disasters and responses from Quaternary science and geotechnical engineering	29 Jul (Wed)	AM1 (09:00-10:50)	Room 232-233
TERPRO	T13	Extreme disasters and responses from Quaternary science and geotechnical engineering	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T14	Beyond steady-state erosion	01 Aug (Sat)	AM2 (11:10-13:00)	Room 231
TERPRO	T14	Beyond steady-state erosion	01 Aug (Sat)	PM (17:00-18:50)	Room 231
TERPRO	T14	Beyond steady-state erosion	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T15	Sackung (sagging) and landslide	31 Jul (Fri)	AM2 (11:10-13:30)	Room 234
TERPRO	T15	Sackung (sagging) and landslide	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T16	Quaternary evolution of tropical river systems	31 Jul (Fri)	AM1 (09:00-10:50)	Room 231
TERPRO	T16	Quaternary evolution of tropical river systems	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T17	The legacy of mountain glaciation	27 Jul (Mon)	PM (17:00-19:05)	Room 234
TERPRO	T17	The legacy of mountain glaciation	28 Jul (Tue)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T18	Geomorphology	01 Aug (Sat)	AM2 (11:10-13:00)	Room 234
TERPRO	T18	Geomorphology	01 Aug (Sat)	PM (17:00-18:50)	Room 234
TERPRO	T18	Geomorphology	02 Aug (Sun)	AM1 (09:00-10:50)	Room 234
TERPRO	T18	Geomorphology	02 Aug (Sun)	AM2 (11:10-13:15)	Room 234
TERPRO	T18	Geomorphology	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T19	Recent progress in the field of active tectonics and paleoseismology	01 Aug (Sat)	AM1 (09:00-10:50)	Room 232-233
TERPRO	T19	Recent progress in the field of active tectonics and paleoseismology	01 Aug (Sat)	AM2 (11:10-13:00)	Room 232-233
TERPRO	T19	Recent progress in the field of active tectonics and paleoseismology	01 Aug (Sat)	PM (17:00-18:50)	Room 232-233
TERPRO	T19	Recent progress in the field of active tectonics and paleoseismology	01 Aug (Sat)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T20	Urban soil development	29 Jul (Wed)	PM (17:00-18:50)	Room 234
TERPRO	T20	Urban soil development	29 Jul (Wed)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T21	Assessing the earthquake and tsunami risks using geologic records	31 Jul (Fri)	AM2 (11:10-13:00)	Room 232-233
TERPRO	T21	Assessing the earthquake and tsunami risks using geologic records	31 Jul (Fri)	PM (17:00-18:50)	Room 232-233
TERPRO	T21	Assessing the earthquake and tsunami risks using geologic records	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T22	Asian glacial and periglacial environments under recent climate change	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T23	Combining lacustrine, palaeopedological and other palaeo-environmental archives	31 Jul (Fri)	PM (17:00-18:50)	Room 234
TERPRO	T23	Combining lacustrine, palaeopedological and other palaeo-environmental archives	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall
TERPRO	T24	TERPRO Commission Poster Session	31 Jul (Fri)	9:00-20:00 (Core Time) (14:00-15:30)	Event Hall

XIX INQUA Congress 2015 Program

27 July (Mon) (15:20-15:45)

Plenary: [PL1] Plenary Lecture (CENTURY HALL)

PL-01	Kim Cobb	Emerging signals of tropical Pacific climate variability: the mid-Holocene to the last millennium
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27 July (Mon) (15:45-16:10)

Plenary: [PL2] Plenary Lecture (CENTURY HALL)

PL-02	Jessica L. Blois	Ecological Processes in a Changing Environment: Perspectives from the Quaternary
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27 July (Mon) (16:10-16:35)

Plenary: [PL3] Plenary Lecture (CENTURY HALL)

PL-03	Naohiko Ohkouchi	Organic molecules as tools for Quaternary paleoclimatology
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27 July (Mon) PM (17:00-18:50)

Oral: [S02] Quaternary chronostratigraphy of the Arctic Ocean (Reception Hall A)

Convener(s): Claude Hillaire-Marcel, Thomas M Cronin, Anne de Vernal, Martin Jakobsson, Leonid Polyak, Matt O'Regan, Rüdiger Stein

S02-01	17:00-17:15	Jens Matthiessen	Quaternary Palynomorph Stratigraphy in the Arctic Ocean: Potential and Limitations
		<i>Invited</i>	
S02-02	17:15-17:30	Guillaume St-Onge	Chronostratigraphy of Baffin Bay late Quaternary sediments
S02-03	17:30-17:45	Ludvig Loewemark	A manganese shuttle induced by deglacial shelf erosion in the Arctic Ocean: Implications for Mn-stratigraphy
		<i>Invited</i>	
S02-04	17:45-18:00	Rujian Wang	Late Quaternary stratigraphy based on multi-parameters on the southern Mendeleev Ridge, western Arctic Ocean
S02-05	18:00-18:15	Elena V. Ivanova	The Postglacial chronostratigraphy of the Barents Sea

27 July (Mon) PM (17:00-18:50)

Oral: [P02] Palaeoclimate modeling in PMIP (Reception Hall B)

Convener(s): Pascale Braconnot, Sandy Harrison

P02-01	17:00-17:15	Wenmin Man	Effects of Large Volcanic Eruptions on Global Summer Climate and East Asian Monsoon Changes during the Last Millennium: Analysis of MPI-ESM simulations
P02-02	17:15-17:30	Johann H Jungclauss	Model-based Characterization of European Climate Evolution during the Little Ice Age
P02-03	17:30-17:45	PAGES2K PMIP	Continental scale temperature variability as simulated in the PMIP3 simulation ensemble compared to PAGES 2K temperature reconstructions
P02-04	17:45-18:00	Fredrik Charpentier Ljungqvist	Climate change between the Medieval Warm Period and the Little Ice Age: Model-data comparison between CMIP5/PMIP3 last millennium simulations and available temperature proxy records
P02-05	18:00-18:15	Qing Yan	Simulated warm periods of climate over China during the last two millennia: The Sui-Tang warm period versus the Song-Yuan warm period
P02-06	18:15-18:30	Feng Shi	A tree-ring reconstruction of the South Asian summer monsoon index over the past millennium
P02-07	18:30-18:45	Kenji Izumi	Robust relationships in past and future simulation: atmospheric circulation and hydrological cycle over the tropics

27 July (Mon) PM (17:00-18:50)

Oral: [P20] Marine and continental paleoclimates (Room 131-132)

Convener(s): A. D. Singh, R. R. Yadav, Manish Tiwari

P20-01 - **Withdrawn**

P20-02	17:15-17:30	Narayana Chinna Allu	Paleoclimate and paleo-environment during late Quaternary inferred from marine and continental records
<i>Invited</i>			
P20-03	17:30-17:45	Coralie Zorzi	Indian monsoon variations during three contrasting climatic periods: the Holocene, Heinrich Stadial 2 and the last interglacial-glacial transition
P20-04	17:45-18:00	K G Misra	Tree-ring based drought variability in last ~300 years over Kumaun Himalaya, India and its linkage with crop productivity
P20-05	18:00-18:15	Charlotte Skonieczny	Climatic versus anthropogenic impacts on the Ogooue River basin (Gabon-Central Africa) during the past 25000 years
P20-06	18:15-18:30	Chenxi Xu	Climatic implications of tree-ring oxygen isotopes on the lower reaches of the Yangtze River in East China.
P20-07	18:30-18:45	Masaki Sano	Summer monsoon variability over the past 1500 years in southwestern Japan, as reconstructed from oxygen isotope ratios in tree-ring cellulose

27 July (Mon) PM (17:00-18:50)

Oral: [P06] Environmental and climatic changes in the Mediterranean (Room 133-134)

Convener(s): Steffen Mischke, Christoph Zielhofer, William Fletcher

P06-01	17:00-17:15	Yehouda Enzel	Winter to spring, cross-Sahara tropical plumes as controlling generators of modern hydroclimatology in the southern Levant aridlands and their paleoclimates
<i>Invited</i>			
P06-02	17:15-17:30	Abigail Williams	Late Holocene hydroclimatic and hydrochemical history of the Sea of Galilee, Israel
P06-03	17:30-17:45	Andrea Columbu	The first multi-proxy palaeoclimate record (~115ky-110ky) from the Island of Sardinia
P06-04	17:45-18:00	Florence Colleoni	Impact of global SST gradients on the Mediterranean runoff changes across the Plio-Pleistocene transition
P06-05	18:00-18:15	Gaia Crippa	TOWARDS THE MIDDLE PLEISTOCENE CONTINENTAL GLACIATION: ASSESSING SEASONALITY IN THE EARLY PLEISTOCENE OF THE MEDITERRANEAN SEA
P06-06	18:15-18:30	Laura Sadori	Half a million years of vegetation and climate history from Lake Ohrid (SE Europe)
P06-07	18:30-18:45	Christoph Zielhofer	Younger Dryas and Holocene hydroclimatic variability and aeolian history of the Middle Atlas (Morocco)

27 July (Mon) PM (17:00-18:50)

Oral: [P04] Understanding interglacial climate (Room 141-142)

Convener(s): Qiuzhen Yin, Marie-France Loutre, Jerry F. McManus, Bette L. Otto-Bliesner

P04-01	17:00-17:30	Ayako Abe-Ouchi	How does interglacial ice sheet and climate depend on glacial termination and insolation?
<i>Invited</i>			
P04-02	17:30-17:45	Andrea Dutton	Magnitude, rates and sources of sea-level rise due to polar ice-sheet mass loss during past warm periods
P04-03	17:45-18:00	Alejandra Duk-Rodkin	Multiple local ice caps formed during Early to Middle Pleistocene Interglacials, Northern Interior Plains, Canada.
P04-04	18:00-18:15	Fiona D Hibbert	Deglacial hydrography and multiple IRD inputs during Termination II in the N.E. Atlantic
P04-05	18:15-18:30	Fumiko Watanabe Nara	Rapid change of sedimentation rate from Lake Baikal sediment core corresponding with the global climate warming (MWP-19A)
P04-06	18:30-18:45	Irina P. Panyushkina	Pan-Pacific Tree-Ring Records in excess of 50 ka

27 July (Mon) PM (17:00-18:50)

Oral: [H24] Recent developments in the use of Sporormiella (Room 222-223)

Convener(s): Michael Frogley, Alex Chepstow-Lusty

H24-01 - **Withdrawn**

H24-02	17:15-17:30	Carlos E. Cordova	Sporormiella in modern and past environmental contexts in North America and Southern Africa
H24-03	17:30-17:45	Yue Wang	Timing and trajectory of mammoth extinction on St. Paul Island, Alaska based on coprophilous spores
H24-04	17:45-18:00	Michael R Frogley	Comparison of Sporormiella dung fungal spores and oribatid mite remains as indicators of large herbivore presence on the landscape: evidence from the Cuzco region of Peru

27 July (Mon) PM (17:00-18:50)

Oral: [H10] Identifying human activity in palaeoecological records (Room 224)

Convener(s): Simon Haberle, Alistair Seddon, David McWethy

H10-01	17:00-17:15	Basil A S Davis	Quantifying Pre-Industrial human impact at large spatial scales through the use of palaeoecological data and land-use/land-cover modeling
<i>Invited</i>			
H10-02	17:15-17:30	Keely Mills	A landscape palaeolimnological approach to understanding recent impacts of anthropogenic activity on lake systems in western Uganda
H10-03	17:30-17:45	Gayle McGlynn	Anthropogenic effects at remote tropical sites: palaeoecological evidence from two high-altitude lakes in the African tropics
H10-04	17:45-18:00	Jennifer F E Campbell	A palaeoecological reconstruction of early anthropogenic impacts on the mid- to late-Holocene landscape of the Middle Atlas Moutains, Morocco
H10-05	18:00-18:15	Petra Bragee	Historical TOC concentration minima during peak sulphur deposition in two Swedish lakes
H10-06	18:15-18:30	Tatyana Sapelko	The new methodic approach to the separation of natural and human influence using the complex paleolimnological analysis results.
H10-07	18:30-18:45	Siria Biagioni	Phases of prehistorical and historical human-landscape interactions at the Lindu plain and the link to climate variability of Central Sulawesi (Indonesia) for the last millennium

27 July (Mon) PM (17:00-19:05)

Oral: [T17] The legacy of mountain glaciation (Room 234)

Convener(s): James Shulmeister, Jürgen Reitner, Glenn D. Thackray, Stefan Winkler

T17-01	17:00-17:15	P. Thompson Davis	Age of the Type Satanta Peak Moraine, Colorado Front Range, USA
T17-02	17:15-17:30	Samuel T McColl	Long-gone and forgotten: The early response of rock slopes to glacier downwasting and implications for legacy sediments in glaciated mountain systems
<i>Invited</i>			
T17-03	17:30-17:45	Isandra F Angel	Asynchronous deglaciation histories in the central Venezuelan Andes
T17-04	17:45-18:00	Marek W. Ewertowski	Structural glaciology of Ebbabreen, Svalbard: implication for controlled moraine formation.
T17-05	18:00-18:15	Giancarlo Scardia	The Pleistocene glaciations in the Alps recorded in Italian piedmont end-moraine systems: new insight on extent and chronology
T17-06	18:15-18:30	Kathryn R Adamson	The Holocene glacial record of Zackenberg, East Greenland: examining the controls on landform preservation
T17-07	18:30-18:45	John D. Jansen	Topographic legacy of mountain glaciation in the Scandinavian mountains
T17-08	18:45-19:00	Christian Schluchter	Relevance of Quaternary alpine paleoglaciations for present day geoengineering projects
<i>Invited</i>			

27 July (Mon) PM (17:00-19:05)

Oral: [C03] Quaternary paleoceanography and geochemical tools (Room 431)

Convener(s): Naohiko Ohkouchi, Guillaume Leduc

C03-01	17:00-17:15	Anna J Pienkowski	Atlantic water in the early Holocene Canadian Arctic: the planktonic foraminifera (<i>Neogloboquadrina pachyderma</i>) signal of the Northwest Passage
C03-02	17:15-17:30	Rachael E Lem	Towards an understanding of West African Monsoon variability over the past 140 ka
C03-03	17:30-17:45	Jie Yuan	^{13}C - ^{18}O bonds in calcite and aragonite and its applications in the reconstructions of Quaternary climate
C03-04	17:45-18:00	Tiegang Li	Laminated diatom mat deposits from the tropical West Pacific linked to global carbon and silicon cycles during the Last Glacial Maximum
C03-05	18:00-18:15	Yehudit Harlavan	Tracing recent changes in sediment sources using geochemistry and Sr isotope ratio, Levantine Basin, Israel
C03-06	18:15-18:30	Ken Sawada	Distributions of terrestrial higher plant terpenoids in surface sediments of the Sea of Okhotsk and North Pacific Ocean: Implications for paleoclimatology and paleovegetational reconstruction
C03-07	18:30-18:45	Satoshi Furota	Variations in diatom productions recorded by biomarkers in sediment cores from the eastern North Atlantic off the Iberian Peninsula during the MIS 12 to 10
C03-08	18:45-19:00	Naohiko Ohkouchi	Precise reconstruction of food web structure in ancient times with nitrogen isotopic composition of amino acids

27 July (Mon) PM (17:00-18:50)

ECR Session: [ECR1] ECR (Early Career Researcher) session (Room 143)

ECR1	Craig R Sloss	Introduction of ECR
ECR1-1	Tom L Newton	Late Holocene sea-level change in the Falkland Islands: testing the Greenland melt hypothesis.
ECR1-2	GIANNIS SAITIS	Geochemistry of beachrocks and their palaeoenvironmental significance: case study Central Cyclades (Aegean Sea)
ECR1-3	Rokiah Suriadi	NEW EVIDENCE FOR EARLY HOLOCENE TRANSGRESSION ON THE SUNDA SHELF, OFFSHORE EASTERN PENINSULAR MALAYSIA
ECR1-4	Meltem C Ustunkaya	Integrating stable isotope analysis and archaeobotany: Investigating the contribution of climate change to the collapse of the Hittite Empire during the Late Bronze Age period
ECR1-5	Matt T Ryan	A high-resolution Southern Hemispheric terrestrial vegetation and SST reconstruction of the "super-warm" Interglacial of MIS 11 retrieved from the eastern Tasman Sea
ECR1-6	Charles K Twesigye	THE EAST AFRICAN RIFT SYSTEM LAKES AND EARLY HUMAN EVOLUTION

28 July (Tue) AM1 (09:00-10:50)**Oral: [S06] Eolian deposition and Earth surface systems (Reception Hall A)**

Convener(s): Shiling Yang, Slobodan B. Marković, Eric Oches, Paul Hesse

S06-01	09:00-09:15	Zhengtang Guo <i>Invited</i>	Neogene-Quaternary loess in China and their climate-tectonic implications
S06-02	09:15-09:30	Thomas Stevens	Is Chinese Loess Plateau dust a source or sink for Yellow River sediment?
S06-03	09:30-09:45	Toshiyuki Fujioka	An inherited cosmogenic burial signal from surface sands in the Simpson Desert dunefield, central Australia
S06-04	09:45-10:00	Manfred Frechen	Loess along the foothills of Alborz Mountains in Northern Iran
S06-05	10:00-10:15	Gabor Ujvari	Timing of abrupt changes in eolian sedimentation from 30 to 23 ka in the Dunaszekcsó loess record, south Hungary
S06-06	10:15-10:30	Chaofeng Fu	Magnetostratigraphy and palaeoenvironmental records for the Late Miocene sedimentary sequence from Jianzha basin, Northeastern margin of the Tibetan Plateau
S06-07	10:30-10:45	Xin Wang	Eolian origin of the late Cenozoic red clay sequences from Iran Loess Plateau

28 July (Tue) AM1 (09:00-10:50)**Oral: [P02] Palaeoclimate modeling in PMIP (Reception Hall B)**

Convener(s): Pascale Braconnot, Sandy Harrison

P02-08	09:00-09:15	Amy S Hendricks	Comparison of Late Quaternary and Future Biome Simulations Using BIOME4 Driven by CMIP5/PMIP3 Climate Data
P02-09	09:15-09:30	Patrick J Bartlein <i>Invited</i>	Mid-continental aridity in Eurasia in the mid-Holocene: analysis of CMIP5 simulations
P02-10	09:30-09:45	Satoshi Noda	Impact of Stratospheric Ozone on Surface Climate in an Earth System Model: the Antarctic sea ice change in mid-Holocene
P02-11	09:45-10:00	Paul J Valdes <i>Invited</i>	Transient Simulations of the Holocene: Linking the Holocene and the "Green Sahara"
P02-12	10:00-10:15	Alexandre Cauquoin	Implementation of tritium (HTO) in LMDZ-iso: tracing the water cycle and its link with stratospheric air intrusions
P02-13	10:15-10:30	Sam Sherriff-Tadano	The influence of glacial ice sheets on Atlantic meridional overturning circulation through atmospheric circulation change under glacial climate
P02-14	10:30-10:45	Fabrice Lambert	Dust concentrations and radiative forcing in Holocene and Last Glacial Maximum climates

28 July (Tue) AM1 (09:00-10:50)**Oral: [P13] Palaeoglaciology of Quaternary ice sheets across Eurasia (Room 131-132)**

Convener(s): Anna Hughes, Helena Alexanderson, Karin Andreassen, Chris Clark, Richard Gyllencreutz, Nina Kirchner, John Inge Svendsen

P13-01	09:00-09:15	Catherine D Bradshaw	Glaciation of Greenland as a prerequisite for the Barents Ice Sheet with implications for the Fennoscandian Ice Sheet
P13-02	09:15-09:30	Benedict Reinardy	Late Pliocene - Pleistocene depositional environments in the northern North Sea
P13-03	09:30-09:45	Aurelien Quiquet	Model sensitivity of the Eurasian ice sheet during the late Saalian glacial maximum
P13-04	09:45-10:00	Florence Colleoni	An Eastern Siberian ice shelf during the MIS 6 glacial maximum: numerical reconstructions
P13-05	10:00-10:15	Lilja R. Bjarnadottir	Subglacial hydrology of the marine-based Barents Sea Ice Sheet during deglaciation.
P13-06	10:15-10:30	Henry Patton	Numerically modelling glaciation in the Barents and Kara Seas
P13-07	10:30-10:45	Evan J Gowan	Model of the late glacial Svalbard Ice Sheet, using the Fast Full Stokes method

28 July (Tue) AM1 (09:00-10:50)**Oral: [P06] Environmental and climatic changes in the Mediterranean (Room 133-134)**

Convener(s): Steffen Mischke, Christoph Zielhofer, William Fletcher

P06-08	09:00-09:15	Daniel Wolf	Aeolian loess deposits in central Spain: An environmental record of the last glacial period in the Western Mediterranean
P06-09	09:15-09:30	Nikolina Ilijanic	Holocene sedimentary record of the environmental changes in Lake Vrana near Biograd (Croatia)
P06-10	09:30-09:45	Alexander Francke	The ICDP SCOPSCO project aims to unravel environmental variability on the Balkan Peninsula during the past 1.4 Million years, derived from a lacustrine record from Lake Ohrid (Macedonia, Albania)
P06-11	09:45-10:00	David Dominguez-Villar	Moist and cold climate between Heinrich events H2 and H3 caused the maximum extent of glaciers in the central and western Mediterranean prior to the Last Glacial Maximum
P06-12	10:00-10:15	Meltem C Ustunkaya	Integrating stable isotope analysis and archaeobotany: Investigating the contribution of climate change to the collapse of the Hittite Empire during the Late Bronze Age period
P06-13	10:15-10:30	Blas L Valero-Garces	Holocene paleohydrology in the Iberian Peninsula reconstructed from lake and speleothem records: latitudinal versus Atlantic-Mediterranean influences
P06-14	10:30-10:45	Juan I Santisteban	The Atlantic Multidecadal Oscillation record for the last millennium in a Mediterranean wetland.

28 July (Tue) AM1 (09:00-10:50)**Oral: [P04] Understanding interglacial climate (Room 141-142)**

Convener(s): Qiuzhen Yin, Marie-France Loutre, Jerry F. McManus, Bette L. Otto-Bliesner

P04-07	09:00-09:30	Eric Wolff	Describing the interglacial species: definition, intensity and shape <i>Invited</i>
P04-08	09:30-09:45	Maria Fernanda Sanchez Goni	Southwestern European climate response to the contrasting interglacials of the last 800,000 years
P04-09	09:45-10:00	Francis M Rowney	New perspectives on interglacial climates in Northwest Europe during the early Middle Pleistocene
P04-10	10:00-10:15	Nadine Pickarski	Comparative approach of interglacials at Lake Van, Turkey
P04-11	10:15-10:30	Qiuzhen Yin	Contributions of insolation and CO ₂ to the intensity and duration of the interglacials of the past 800,000 years
P04-12	-	Withdrawn	

28 July (Tue) AM1 (09:00-10:50)**Oral: [H18] Hominin evolution and cultural adaptation during the African Quaternary period (Room 221)**

Convener(s): Christine A. Ogola, Julius B. Lejju

H18-01	09:00-09:15	Andrew S Cohen	Initial results of the Hominin Sites and Paleolakes Drilling Project (HSPDP): Collection and interpretation of high resolution lacustrine drill cores from key Plio-Pleistocene paleoanthropological sites in East Africa
H18-02	09:15-09:30	Marion K Bamford	Palaeoclimate of the Lukeino Formation from leaf physiognomy.
H18-03	09:30-09:45	Rahab Njuhi Kinyanjui	Quaternary Environments of two major Hominin sites in Kenya: The Olorgesailie and Koobi Fora Basins.
H18-04	09:45-10:00	J. Tyler Faith	Correspondence of climatic, faunal, and archaeological dynamics since the Last Glacial Maximum in the southern Cape, South Africa
H18-05	10:00-10:15	Christine A. Ogola	Archaeological bone remains from recent excavations of ancient deposits from three rockshelters in Mt. Elgon, Western Kenya
H18-06	10:15-10:30	Elizabeth Kyazike	Kansyore Crescents: Food Procurement Strategies, adaptability and Environmental Change

H18-07 10:30-10:45 **Charles K Twesigye** THE EAST AFRICAN RIFT SYSTEM LAKES AND EARLY HUMAN EVOLUTION

28 July (Tue) AM1 (09:00-10:50)

Oral: [H03] LGM prehistory in Northern Eurasia (Room 222-223)

Convener(s): Masami Izuho, Lawrence G. Straus, Ian Buvit, Karisa Terry

H03-01	09:00-09:15	SUSAN G. KEATES	Siberia and neighboring regions in the Last Glacial Maximum: did archaeological sites exist at that time?
		<i>Invited</i>	
H03-02	09:15-09:30	Yousuke Kaifu	A new model of modern human dispersals in Asia
H03-03	09:30-09:45	Lawrence G. Straus	Overview of human responses to the LGM in Western Europe: The Solutrean
H03-04	09:45-10:00	Isabell Schmidt	Techno-typology, demography, and environment in Europe during the Last Glacial Maximum
H03-05	10:00-10:15	Masami Izuho	Last Glacial Maximum humans in Southern Siberia
H03-06	10:15-10:30	Evgeny P. Rybin	Pre- and post-LGM technological and behavioral adaptations in Paleolithic of Northern and Central Mongolia
H03-07	10:30-10:45	Liudmila Lbova	Technological features of ornamental ivory in the "classic" collection from Malta, a Siberian Upper Paleolithic site

28 July (Tue) AM1 (09:00-10:50)

Oral: [H10] Identifying human activity in palaeoecological records (Room 224)

Convener(s): Simon Haberle, Alistair Seddon, David McWethy

H10-08	09:00-09:15	Alan N Williams	Exploring the (lack of) relationship between Aboriginal population indices and fire in Australia over the last 20,000 years
H10-09	09:15-09:30	Simon G Haberle	Environmental transformations and consequences of early human colonisation of Australia
H10-10	09:30-09:45	Susan Rule	Origins and causes of burning patterns in the Lynch's Crater pollen record, northeastern Australia, after initial human impact around 45 - 40 ka
H10-11	09:45-10:00	Peter Kershaw	The Atherton Tableland (Humid Tropics of NE Australia) revisited: a test of proposed early human impact from an extended palynological record of Bromfield Swamp.
H10-12	10:00-10:15	Laura N Stahle	Assessing the Role of Climate and People in Postglacial Vegetation & Fire History at Cradle Mountain National Park, Tasmania, Australia
H10-13	10:15-10:30	David B. McWethy	Holocene record of vegetation, fire and human influence, Flinders Island, Tasmania.
H10-14	10:30-10:45	Henk Heijnis	Identifying the initial period of European Colonisation and intensification of human activity using high resolution XRF scanning in sedimentological records from Northern Australia and the Galapagos Islands, Ecuador.

28 July (Tue) AM1 (09:00-10:50)

Oral: [H08] Biosphere contaminated with artificial and natural radionuclides (Room 231)

Convener(s): Hirofumi Tsukada, Thomas Hinton, Noriko Yamaguchi, Edward R. Landa

H08-01	09:00-09:30	Edward R Landa	Mineral hosts and microbial processes: A biogeochemical perspective on naturally occurring radioactive materials in the surficial environment.
		<i>Invited</i>	
H08-02	09:30-09:45	Jian Zheng	Retrospective investigation on soil Pu background to estimate the radiation impact of the Fukushima nuclear accident released Pu in the environment
H08-03	09:45-10:00	Miho Fukuda	Radiocaesium distributions in sediments within the 30 km area from the Fukushima Dai-ichi Nuclear Power Station in 2013-2014
H08-04	10:00-10:15	Yusuke Unno	Effect of microbial oxidation on iodide mobility in pasture land soil in Rokkasho, Japan

H08-05 10:15-10:30 **Seiya Nagao** Transport of ¹³⁴Cs and ¹³⁷Cs in the lower Niida River in Fukushima Prefecture, Japan after the Fukushima Dai-ichi Nuclear Power Plant accident

28 July (Tue) AM1 (09:00-11:05)

Oral: [T05] Paleoseismology and EEE parameterization for seismic hazard analyses (Room 232-233)

Convener(s): Pablo. G. Silva, Luca Guerrieri, Stephane Baize

T05-01	09:00-09:15	Alexander L Strom	Natural phenomena in the New Russian Scale of earthquakes' intensity
<i>Invited</i>			
T05-02	09:15-09:30	Ioannis Papanikolaou	The Environmental Seismic Intensity Scale (ESI 2007) in Greece and preliminary intensity attenuation laws
<i>Invited</i>			
T05-03	09:30-09:45	Anna Maria Blumetti	Earthquake Environmental Effects induced by the 1783 Calabrian earthquakes: implications for an improved seismic hazard assessment in Southern Italy
T05-04	09:45-10:00	Javier Lario	Improving the coastal record of tsunamis in the ESI-07 scale: Tsunami Environmental Effects (TEE-14) Scale
T05-05	10:00-10:15	Takashi Azuma	ESI-07 scale maps of the recent huge and moderate earthquakes in Japan
T05-06	10:15-10:30	Klaus Reicherter	A Paleoseismic database for Germany and adjacent states
T05-07	10:30-10:45	Stephane Baize	A newly discovered active fault generating large surface displacement during M5 earthquake (Central Ecuador)
T05-08	10:45-11:00	Pablo G. Silva	ESI-07 SHAKE MAPS FOR INSTRUMENTAL AND HISTORICAL EVENTS. EXAMPLES FROM THE BETIC CORDILLERA (SE SPAIN).

28 July (Tue) AM1 (09:00-10:50)

Oral: [T12] Quaternary glaciations (Room 234)

Convener(s): Lorna Linch, Danni Pearce, Iestyn Barr, Jan Piotrowski

T12-01	09:00-09:15	Arjen P. Stroeven	Deglaciation of Fennoscandia
<i>Invited</i>			
T12-02	09:15-09:30	Mark d Bateman	Deglaciation of the Last British and Irish Icesheet: The North Sea ice lobe
T12-03	09:30-09:45	Juergen M Reitner	The sedimentary record of ice build-up at the onset of the LGM within an Alpine landscape (Eastern Alps, Austria)
T12-04	09:45-10:00	Martin Roy	Iceberg furrows on the floor of glacial Lake Ojibway: evidence for a large calving ice stream of the Laurentide ice sheet
T12-05	10:00-10:15	Alice M. Doughty	Modeling tropical glaciers during the LGM in East Africa
T12-06	10:15-10:30	Clare M Boston	A Younger Dryas plateau icefield in the Monadhliath, Scotland, and implications for regional palaeoclimate
T12-07	10:30-10:45	Timothy P Lane	Surface exposure dating of Little Ice Age local glacier behaviour in Greenland

28 July (Tue) AM1 (09:00-10:50)

Oral: [C02] Coastal wetlands (Room 431)

Convener(s): Kiyoshi Fujimoto, Kim Cohen, Toyohiko Miyagi

C02-01	09:00-09:15	Kiyoshi Fujimoto	Effects of sea-level rise on mangrove habitats and forest dynamics: present status and prediction based on geomorphological and long-term monitoring data in Pohnpei Island, Micronesia
C02-02	09:15-09:30	Daria Nikitina	The resilience and recovery of New Jersey (USA) salt marshes to the impacts of storms under conditions of sea-level rise
C02-03	09:30-09:45	Toyohiko Miyagi	The Possibility of clarification of microstructure of mangrove habitat by DSM due to SfM and UAV data in Iriomote Island, Japan
C02-04	09:45-10:00	Limi Mao	Quaternary mangrove vegetation dynamics along northern latitudinal limits in south China: a review

C02-05	10:00-10:15	Hema Malini Bandaru	QUATERNARY EVOLUTION AND ANTHROPOGENIC DEGRADATION OF THE KOLLERU LAKE, A COASTAL WETLAND ALONG THE EAST COAST OF INDIA
C02-06	10:15-10:30	Ruta Bharat Limaye	Cyanobacterial evidence of hydrological changes associated with evolution of coastal wetlands in Southwestern India
C02-07	10:30-10:45	Ulrike Proske	Holocene wetland and mangrove dynamics the eastern Kimberley, Australia

28 July (Tue) AM1 (09:00-10:50)

Oral: [C11] DELTAS (Room 432)

Convener(s): Yoshiki Saito, Edward Anthony, James P.M. Syvitski, Karl Stattegger, Steven L. Goodbred, Kazuaki Hori

C11-01	09:00-09:15	J P Syvitski	Monitoring and Modeling of Sinking Deltas
C11-02	09:15-09:30	Tetsuji Muto	An autostratigraphic prospect of identifying modern and ancient graded alluvial streams in deltaic settings: Tank experiments
C11-03	09:30-09:45	Edward J Anthony	Revisiting the role of waves in river delta construction and destruction
C11-04	09:45-10:00	Kay Koster	3D modelling of land subsidence due to peat compaction in the Holocene Rhine-Meuse delta (The Netherlands)
C11-05	10:00-10:15	Geoffrey D Corner	Norwegian fjord deltas give new perspectives on deltaic sedimentation
C11-06	10:15-10:30	Tilmann Schwenk	Seismo-stratigraphic analysis of the submarine Amazon Delta offers new sediment budget calculations for modern sediment fluxes of the Amazon system
C11-07	10:30-10:45	Yoshiki Saito	Holocene delta evolution: A review from deltas in Asia

28 July (Tue) AM1 (09:00-10:50)

ECR Session: [ECR2] ECR (Early Career Researcher) session (Room 143)

ECR2		Sallie L Burrough	Introduction of ECR
ECR2-1		Ashley L Buchan	Present and Norse hayfields in southwest Greenland - Insect assemblages, taphonomy and biogeography
ECR2-2		Zhiwei Xu	Dune morphodynamics in a stabilizing dune field of northern China, with implications for reconstruction of late Quaternary dune field evolution
ECR2-3		Amy L Prendergast	Seasonal resolution sea surface temperature records and human behavioural changes from the Upper Palaeolithic to the Epipaleolithic in North Africa and the Levant
ECR2-4		Adam J Griggs	Visualising tephra sedimentation processes: utilising 2D and 3D sedimentological analysis
ECR2-5		Masako Yamane	Compound-specific ¹⁴ C dating of IODP Expedition 318 core U1357A obtained off the Wilkes Land coast, Antarctica
ECR2-6		Anne Claude	Quaternary landscape evolution of the Swiss Alpine Foreland

28 July (Tue) AM2 (11:10-13:00)

Oral: [S06] Eolian deposition and Earth surface systems (Reception Hall A)

Convener(s): Shiling Yang, Slobodan B. Marković, Eric Oches, Paul Hesse

S06-08	11:10-11:25	William Farebrother	Hunting the elusive source of mineral dust to the oceans: Dry lake beds as sources of dust in Australia
<i>Invited</i>			
S06-09	11:25-11:40	Shiling Yang	Warming-induced northwestward migration of the East-Asian monsoon rainfall belt: Lessons from the past
S06-10	11:40-11:55	Francois De Vleeschouwer	A 12.5kyr high-resolution record in Southern South Patagonia. Specific dust events and palaeoclimate relationships.
S06-11	11:55-12:10	Markus Fuchs	Environmental history recorded in eolian deposits under stone pavements, eastern Mojave Desert, USA.

S06-12	12:10-12:25	Steve Pratte	Geochemical peat bog records of atmospheric dust deposition in the Estuary and Gulf of St. Lawrence, Canada.
S06-13	12:25-12:40	Wenyang Jiang	Negative impacts of afforestation and economic forestry on the Chinese Loess Plateau and proposed solutions
S06-14	12:40-12:55	Zihua Tang	Rainfall seasonality contributes to glacial-interglacial variations in C3 and C4 plant proportions over temperate Asian grassland

28 July (Tue) AM2 (11:10-13:00)

Oral: [P02] Palaeoclimate modeling in PMIP (Reception Hall B)

Convener(s): Pascale Braconnot, Sandy Harrison

P02-15	11:10-11:25	Iain Colin Prentice	Palaeoclimate reconstruction by model inversion taking into account CO2 effects on plant water use efficiency, and its application to a new pollen data compilation for Australia
P02-16	11:25-11:40	Klaus Arpe	Last Glacial Maximum distribution of summer-green trees in eastern Asia according to pollen data and to the ECHAM5 model
P02-17	11:40-11:55	Guangqi Li	Palaeo-applications of a process-based tree-ring model
P02-18	11:55-12:10	Priscilla K Le Mezo	Mechanisms behind primary production distribution during the last glacial-interglacial cycle: focus on the Indian Ocean
P02-19	12:10-12:25	Michael P Erb	Using idealized GCM simulations and proxy data to investigate feedbacks important to Quaternary variability

28 July (Tue) AM2 (11:10-13:00)

Oral: [P13] Palaeoglaciology of Quaternary ice sheets across Eurasia (Room 131-132)

Convener(s): Anna Hughes, Helena Alexanderson, Karin Andreassen, Chris Clark, Richard Gyllencreutz, Nina Kirchner, John Inge Svendsen

P13-08	11:10-11:25	Jan Mangerud	Major fluctuations in retreat rates of the western Scandinavian Ice Sheet during deglaciation
P13-09	11:25-11:40	Katrin Lasberg	Chronology of the Late Weichselian glaciation in the southeastern sector of the Scandinavian Ice Sheet
P13-10	11:40-11:55	John F Hiemstra	Late Quaternary glaciation in the Hebrides sector of the continental shelf: was St Kilda overrun by the British-Irish Ice Sheet?
P13-11	11:55-12:10	Emilia D. Piasecka	Reconstructing retreat dynamics of the Bjornoyrenna Ice Stream based on 3D seismic geomorphology from the central Barents Sea.
P13-12	12:10-12:25	Catherine Delaney	Investigating Low Amplitude Glacial Landforms in the Irish Midlands using Airborne Lidar
P13-13	12:25-12:40	Hannah L Bickerdike	The geomorphology and extent of Loch Lomond Stadial glaciers in Britain: a map and GIS resource
P13-14	12:40-12:55	Anna L.C. Hughes	Growth and decay of the last Eurasian Ice Sheets: what have we learnt from DATED?

28 July (Tue) AM2 (11:10-13:00)

Oral: [P06] Environmental and climatic changes in the Mediterranean (Room 133-134)

Convener(s): Steffen Mischke, Christoph Zielhofer, William Fletcher

P06-15	11:10-11:25	Ana Moreno	Speleothem records from a W-E transect in northern Iberia: an overview of last two glacial-interglacial cycles
P06-16	11:25-11:40	Penelope Gonzalez-Samperiz	SPAIN IS DIFFERENT, SPAIN WAS DIFFERENT: LONG LACUSTRINE SEQUENCES FROM INNER IBERIA
P06-17	11:40-11:55	Zhaodong FENG	Bioclimatic changes in the Altai Mountains during the latest deglacial and the Holocene and the associations with Mediterranean Sea

28 July (Tue) AM2 (11:10-13:00)

Oral: [P04] Understanding interglacial climate (Room 141-142)

Convener(s): Qiuzhen Yin, Marie-France Loutre, Jerry F. McManus, Bette L. Otto-Bliesner

P04-13	11:10-11:25	Qingzhen Hao	Future climate trend as viewed from Chinese loess deposits during the astronomical analogue of the present interglacial
P04-14	11:25-11:40	Matt T Ryan	A high-resolution Southern Hemispheric terrestrial vegetation and SST reconstruction of the "super-warm" Interglacial of MIS 11 retrieved from the eastern Tasman Sea
P04-15	11:40-11:55	Stephanie Desprat	No premature ending of the terrestrial interglacial in southwestern Europe during MIS9e
P04-16	11:55-12:10	Alexandre Cauquoin	Comparing past accumulation rate reconstruction in East Antarctic ice cores using ¹⁰ Be, water isotopes and CMIP5-PMIP3 models
P04-17	12:10-12:25	Alena K. Kimbrough	The glacial-interglacial monsoon recorded by speleothems from Sulawesi, Indonesia
P04-18	12:25-12:40	Yael Kiro	Aridity cycles in the Middle East during the last interglacial revealed by halite deposition in the Dead Sea
P04-19	12:40-12:55	Virgil Dragusin	The MIS 5e to 5d transition recorded in a stalagmite from SW Romania

28 July (Tue) AM2 (11:10-13:00)

Oral: [H16] Environmental consequences of the onset and development of agricultural societies (Room 221)

Convener(s): Ralph Fyfe, Florence Mazier, Gert Verstraeten, Jessie Woodbridge

H16-01	11:10-11:25	Jose Iriarte	Environmental impacts of agrarian societies in Amazonia: Lessons from the Llanos de Moxos
H16-02	11:25-11:40	Petr Kunes	Pollen-based land-cover reconstruction, human activity and climate explain the origin of vegetation patterns in Central Europe
H16-03	11:40-11:55	Anneli Poska	The effect of antropogenic deforestation at land-cover composition and diversity in a boreo-nemoral forest zone
H16-04	11:55-12:10	Kari Loe Hjelle	Landscape transformations through time and space; the influence of human activity in western Norway
H16-05	12:10-12:25	Marlene Lavrieux	Tracing early farming impacts on soil using the age of terrestrial biomarkers deposited in lake sediments
H16-06	12:25-12:40	YUANFU YUE	Holocene vegetation, environment and anthropogenic influence in the Fuzhou Basin, southeast China
H16-07	12:40-12:55	Fabio Silva	Modelling the impact of the spread of wet rice cultivation on atmospheric methane levels from archaeobotanical data

28 July (Tue) AM2 (11:10-13:00)

Oral: [H03] LGM prehistory in Northern Eurasia (Room 222-223)

Convener(s): Masami Izuho, Lawrence G. Straus, Ian Buvit, Karisa Terry

H03-08	11:10-11:25	Chunxue WANG	Human behavioral adaptation to the Last Glacial Maximum in Jinsitai cave site, Northern China
H03-09	11:25-11:40	Karisa Terry	Human Land Use in a Last Glacial Maximum Refuge: Insights from the Shimaki Site, Southeastern Hokkaido
H03-10	11:40-11:55	Fumito Akai	An analysis of refitted microblade cores from the Kashiwadai 1, Hokkaido: implications for the LGM microblade core reduction strategy
H03-11	11:55-12:10	Akira Iwase	Functional variability in the LGM assemblages of Hokkaido, northern Japan
H03-12	12:10-12:25	Sadakatsu Kunitake-	Changes in settlement systems before and during the Last Glacial Maximum in Central Japan
H03-13	12:25-12:40	Huijun Jin	Extents of permafrost on the Qinghai-Tibet Plateau (QTP) during the Last Glaciation Maximum (LGM) and Holocene Megathermal Period (HMP)
H03-14	12:40-12:55	Fedora Irdemovna Khenzykhenova	Ecosystem Analysis of Baikal Siberia Using Paleolithic Faunal Assemblages to Reconstruct MIS3-MIS2 Environments and Climates

28 July (Tue) AM2 (11:10-13:00)**Oral: [H10] Identifying human activity in palaeoecological records (Room 224)**

Convener(s): Simon Haberle, Alistair Seddon, David McWethy

H10-15	11:10-11:25	Claire Combettes	Discerning climatic changes from human activities on Late Holocene vegetation dynamics since the first settlements on Vanuatu
H10-16	11:25-11:40	Cesar Mendez	The role of humans in fire dynamics since the late Pleistocene at the eastern Andean flank of central Patagonia (Aisen, Chile)
H10-17	11:40-11:55	Nicholas J D Loughlin	Vegetation trends in the historically disturbed cloud forest of northern Ecuador
H10-18	11:55-12:10	Bronwen S Whitney	Constraining estimates of Pre-Columbian forest clearances in the Amazon: A simulation approach

28 July (Tue) AM2 (11:10-13:00)**Oral: [H05] Emergence of the world's oldest pottery and its environmental background (Room 231)**

Convener(s): Hiroyuki Sato, Kazuki Morisaki

H05-01	11:10-11:25	Hiroyuki Sato	Human behavioral responses to environmental condition and the emergence of the world's oldest pottery in Northeast Asia
H05-02	11:25-11:40	Rebecca A Farbstein	The Artistic Origins of Ceramic Technology
H05-03	11:40-11:55	Kazuki Morisaki	Human behavioral change and the appearance of the Incipient Jomon pottery
H05-04	11:55-12:10	Shinji Kato	Emergence of pottery in Northern China
		<i>Invited</i>	
H05-05	12:10-12:25	Kazunori Uchida	The Osipovka culture: The earliest pottery culture in the Russian Far East
H05-06	12:25-12:40	Natalia Tsydenova	Early pottery and its context in Transbaikalia
		<i>Invited</i>	
H05-07	12:40-12:55	Alexandre Lucquin	Use of hunter-gatherer pottery in East Asia across the late Pleistocene and early Holocene

28 July (Tue) AM2 (11:10-13:00)**Oral: [T06] Quaternary research on past seismic records (Room 232-233)**

Convener(s): Klaus Reicherter, Ioannis Papanikolaou, Frank Audemard

T06-01	11:10-11:25	Christian Beck	Deciphering co-seismic offsets from creep in subaqueous setting through specific sedimentation. Case studies in Lesser Antilles and in the Sea of Marmara.
T06-02	11:25-11:40	Petra Stepancikova	Late Pleistocene Acceleration of the Sudetic Marginal Fault Activity (Central Europe) due to Ice Loading?
		<i>Invited</i>	
T06-03	11:40-11:55	Raimo Sutinen	Airborne LiDAR recognition of postglacial faults and paleolandslides in Finnish Lapland
T06-04	11:55-12:10	Malgorzata Pisarska-Jamroz	Traces of glacio-isostatic rebound of Scandinavian Ice Sheet in Poland and Latvia
T06-05	12:10-12:25	Nore Praet	Constructing a calibrated megathrust earthquake record using lacustrine sediments from Eklutna Lake, southwest Alaska
T06-06	12:25-12:40	Shmuel Marco	Mass transport events preserved in drill core and outcrops from around the Dead Sea: A palaeoseismic archive
T06-07	12:40-12:55	Aurelia D Hubert-Ferrari	Paleoseismological record of the Hazar Lake along the East Anatolian Fault (Turkey)

28 July (Tue) AM2 (11:10-13:00)**Oral: [T07] The dynamic interaction between ice sheets and their bed (Room 234)**

Convener(s): Matteo Spagnolo, Chris D. Clark, Neal R. Iverson, Jan A. Piotrowski, Chris R. Stokes

T07-01	11:10-11:25	Monica Winsborrow	Shallow gas and gas hydrate as a control on ice stream sticky spots
T07-02	11:25-11:40	Anders Damsgaard	Oscillations in till strength due to particle-fluid feedbacks
T07-03	11:40-11:55	Wlodzimierz Narloch	Quantifying subglacial processes and ice sheet dynamics variability from micro- and macroscale sedimentological record
T07-04	11:55-12:10	Jan A. Piotrowski	Soft-bedded subglacial systems: a space-transgressive vs. time-transgressive model
T07-05	12:10-12:25	Irina Rogozhina	Basal ice reveals thermal imprint of the passage of Greenland lithosphere over the Iceland mantle plume
T07-06	12:25-12:40	Frederic Herman	Erosion by an Alpine glacier

28 July (Tue) AM2 (11:10-13:00)

Oral: [C02] Coastal wetlands (Room 431)

Convener(s): Kiyoshi Fujimoto, Kim Cohen, Toyohiko Miyagi

C02-08	11:10-11:25	MARLON C. FRANCA	Coastal wetland dynamics on the Delta of the Doce River during the middle to late Holocene, Southeastern Brazil
C02-09	11:25-11:40	Eisuke Ono	Formation age and chemical characterization of the tropical peat in the middle Sepik Plain, northern Papua New Guinea
C02-10	11:40-11:55	Kay Koster	3D Holocene groundwater level rise in the Holland coastal plain (the Netherlands)
C02-11	11:55-12:10	Saul Manzano	Unravelling the palaeoecological history of the Donnana National Park unique coastal wetlands (south westernmost part of Europe)
C02-12	12:10-12:25	Helen M. Roe	Foraminifera as historical pollution indicators in coastal wetlands

28 July (Tue) AM2 (11:10-13:15)

Oral: [C11] DELTAS (Room 432)

Convener(s): Yoshiki Saito, Edward Anthony, James P.M. Syvitski, Karl Stattegger, Steven L. Goodbred, Kazuaki Hori

C11-08	11:10-11:25	Rory P Flood	Process facies dynamics and the late Holocene stratigraphy of the West Bengal Sundarbans, Ganges-Brahmaputra Delta
C11-09	11:25-11:40	Steven L Goodbred	Coupled human-landscape interactions on the lower Ganges-Brahmaputra delta plain: Implications for fate and response to climate change and sea-level rise
C11-10	11:40-11:55	Nageswara Rao K.	Variations in the Holocene sediment accumulation rates and growth pattern of the Krishna and Godavari deltas, India
C11-11	11:55-12:10	Naga Kumar K.Ch.V.	Holocene evolution of the Krishna delta, India inferred from sediment facies and AMS 14C ages
C11-12	12:10-12:25	Lap Van Nguyen	Mekong River Delta: Coastal landform in the last 3000 years and present situation
C11-13	12:25-12:40	Ayako Funabiki	Holocene accumulation curves of delta plain sediments in the Song Hong (Red River) delta, northern Vietnam
C11-14	12:40-12:55	Zhanghua Wang	Holocene evolution of the Yangtze coast: the role of paleotopography, sea level, monsoon discharge and human activity

28 July (Tue) PM (17:00-18:50)

Oral: [S06] Eolian deposition and Earth surface systems (Reception Hall A)

Convener(s): Shiling Yang, Slobodan B. Marković, Eric Oches, Paul Hesse

S06-15	17:00-17:15	Nicholas Lancaster	Assessing temporal and spatial patterns of sand dune depositional episodes using the INQUA Dunes Atlas Database
S06-16	17:15-17:30	Yangyang Li	Leaf wax n-alkane distributions in Chinese Loess since the Last Glacial Maximum and implications for paleoclimate
S06-17	17:30-17:45	Balazs Bradak	The magnetic fabric of Hungarian loess and its significance in the reconstruction of the surface processes during Pleistocene climate cycles

S06-18	17:45-18:00	Frank Lehmkuhl	Lacustrine, fluvial and aeolian deposits in Mongolia and Northern China: Key regions concerning dust sources and dust trapping in Central Asia
S06-19	18:00-18:15	Martin Kehl	What trapped the dust? Micromorphological indications on dust accumulation processes in Northern Iran loess
S06-20	18:15-18:30	Gerry Utama	Analysis Source of the Aeolian Sanddunes of Parangtritis, Yogyakarta Special District, Indonesia

28 July (Tue) PM (17:00-18:50)

Oral: [P15] Using palaeoenvironmental data to quantify climate feedbacks (Reception Hall B)

Convener(s): Beni Stocker, Colin Prentice

P15-01	17:00-17:15	Zicheng Yu	Holocene Carbon Sequestration in Circum-Arctic Peatlands and Its Role in the Global Carbon Cycle
<i>Invited</i>			
P15-02	17:15-17:30	Angela V. Gallego-Sala	Peatlands and the C cycle during the last millennium
P15-03	17:30-17:45	Fabrice Lambert	Dust fluxes and iron fertilization in Holocene and Last Glacial Maximum climates
P15-04	17:45-18:00	Aurelien Quiquet	The relative importance of methane sources and sinks during the Last Interglacial period
P15-05	18:00-18:15	Sandy P Harrison	Observational evidence for strong fire-climate feedback through the carbon cycle
P15-06	18:15-18:30	Victor Brovkin	Evaluating climate-carbon cycle feedbacks using interactive simulations of the last 4 glacial cycles
P15-07	18:30-18:45	David J Ullman	A new method of estimating climate sensitivity using temperature reconstructions from the Last Glacial Maximum

28 July (Tue) PM (17:00-18:50)

Oral: [P17] Comparing field-based evidence with ice sheet and climate modeling (Room 131-132)

Convener(s): Arjen P. Stroeven, Irina Rogozhina, Jonathan M. Harbor, Qiong Zhang

P17-01	17:00-17:15	Sofie Vej Ugelvig	Fjord orientation, fracture lineaments, and the bedrock lithology of Norway
P17-02	-	Withdrawn	
P17-03	17:30-17:45	Katrin Kalla	Ice dynamics and OSL dating of the last deglaciation of Estonia
P17-04	17:45-18:00	Brent C Ward	The Canadian Northern Cordilleran Ice Sheet over 200 ka: complex, non-uniform response to climate forcing.
P17-05	18:00-18:15	Neil F Glasser	Ice-stream initiation, duration and thinning on James Ross Island, northern Antarctic Peninsula
P17-06	18:15-18:30	Chaolu Yi	Quaternary glaciation in Puruogangri ice field, central Tibet
P17-07	18:30-18:45	Gang Hu	Quaternary glaciations in the Basongcuo catchment in the joint of the Himalaya and Nyainqentanglha Mountains, Tibetan Plateau

28 July (Tue) PM (17:00-18:50)

Oral: [P22] Asian monsoon variability recorded in various sediments (Room 133-134)

Convener(s): Hema Achyuthan, Ken Ikehara, Min-Te Chen, Andrew Hendersen, Ann Holbourn, Steven Clemens, Ryuji Tada, Anjum Farooqui, Christopher Eastoe

P22-01	17:00-17:15	Youbin Sun	Orbital and Glacial Forcing of East Asian Summer Monsoon Variability
<i>Invited</i>			
P22-02	17:15-17:30	Tao Li	Obliquity pacing of East Asian summer monsoon
P22-03	17:30-17:45	Bin Zhou	Spatial and temporal variations of C4 biomass in Asia during the late Cenozoic
P22-04	17:45-18:00	Haibin Wu	Late Miocene C4 plant expansion in the Siwalik and Indian monsoon evolution

P22-05	18:00-18:15	John CH Chiang	Role of Seasonal Transitions and Westerly Jets in East Asian Paleoclimate
P22-06	18:15-18:30	Ryuji Tada	Onset and evolution of millennial-scale variability of East Asian summer monsoon recorded in hemipelagic sediments of the Japan, Yamato, and Ulleung basins
P22-07	18:30-18:45	Hema Achyuthan	LATE QUATERNARY TERRESTRIAL AND MARINE RECORDS OF THE ASIAN REGION: A REVIEW

28 July (Tue) PM (17:00-18:50)

Oral: [P04] Understanding interglacial climate (Room 141-142)

Convener(s): Qiuzhen Yin, Marie-France Loutre, Jerry F. McManus, Bette L. Otto-Bliesner

P04-20	17:00-17:15	Emilie Capron	Sequence of events from the onset to the demise of the Last Interglacial (140-105 ka): how to address chronologies in paleoclimatic archives?
P04-21	17:15-17:30	Jeremy S Hoffman	Reconstructing global sea surface temperatures during the last interglaciation
P04-22	17:30-17:45	Sakari Salonen	A high-resolution pollen and macrofossil sequence and climatic reconstruction of the Eemian Interglacial (MIS 5e) from northern Finland
P04-23	17:45-18:00	Rewi M Newnham	A new Last Interglacial pollen record of climate change and volcanic disturbance, central North Island, New Zealand
P04-24	18:00-18:15	Fraser J.G. Mitchell	A new interglacial pollen record from the Atlantic fringe of Europe
P04-25	18:15-18:30	Marie-France Loutre	Sensitivity of transient paleoclimate simulation results to season definition
P04-26	18:30-18:45	Daniel Palchan	Near East Synoptic Changes: A Study of Interglacial Desert Dust

28 July (Tue) PM (17:00-18:50)

Oral: [H13] New frontiers in ancient midden research (Room 221)

Convener(s): Brian Chase, Claudio Latorre

H13-01	17:00-17:15	Maria E De Porras <i>Invited</i>	CLIMATIC AND ENVIRONMENTAL DYNAMICS OF THE ATACAMA DESERT SINCE THE LATE PLEISTOCENE BASED ON RODENT MIDDEN POLLEN RECORDS
H13-02	17:15-17:30	Sophak LIM	50,000 years of climate and vegetation change in the Namib Desert
H13-03	17:30-17:45	Latorre Claudio	New approaches and methods for quantifying pluvial events in the Atacama Desert using ancient chinchilla rat middens
H13-04	17:45-18:00	Karla F Ojeda	Holocene vegetational and climate changes inferred from chinchilla rat (<i>Abrocoma bennetti</i>) middens from a biodiversity hotspot in central Chile (32°S)
H13-05	18:00-18:15	David Rhode	Annually-Resolved Cellulose-Based Isotope-Proxy Postglacial-Holocene Climate Records from Ancient Middens in the Bonneville Basin, Western North America
H13-06	18:15-18:30	Francisca P Diaz	A $\delta^{15}\text{N}$ record of past variations in climate and nitrogen cycling during the late Quaternary using rodent middens from the central Atacama Desert, northern Chile

28 July (Tue) PM (17:00-18:50)

Oral: [H03] LGM prehistory in Northern Eurasia (Room 222-223)

Convener(s): Masami Izuho, Lawrence G. Straus, Ian Buvit, Karisa Terry

H03-15	17:00-17:15	Yaeko Igarashi	LGM vegetation in Hokkaido and Sakhalin; The development of grasslands
H03-16	17:15-17:30	Hikaru Takahara	Vegetation during the Last Glacial Maximum in western part of the main island, Honshu, Japan
H03-17	17:30-17:45	Nao Miyake	LGM vegetation in the Pacific side of Shikoku and Kyushu Islands in Japan
H03-18	17:45-18:00	Arata Momohara	Distribution of conifers and deciduous broadleaved tree taxa in the Last Glacial Maximum in Japan based on plant macrofossil records

28 July (Tue) PM (17:00-18:50)**Oral: [H06] Palaeobiogeographical and cultural dynamics within island environments (Room 224)**

Convener(s): Michelle Farrell, Sara Boyle, Chris Hunt, Katrin Fenech, Sean Pyne-O'Donnell, Caroline Malone

H06-01	17:00-17:15	Kat Szabo	The Paradox of Being Connected and Disconnected: Lapita Across the Southwestern Pacific
H06-02	17:15-17:30	Sue D Hamilton	Rapa Nui (Easter Island) monumentality and resilience (circa AD 1200-1600)
H06-03	17:30-17:45	Simon G Haberle	Linking prehistoric human migration with island transformation in the Indian Ocean
H06-04	17:45-18:00	Erik J De Boer	Mauritius and Rodrigues, Rosetta Stones for interpreting habitat destruction and extinction after human colonization on island ecosystems
H06-05	18:00-18:15	Michelle Farrell	Application of quantitative palaeoenvironmental reconstruction methods to Central Mediterranean islands
H06-06	18:15-18:30	Chris O Hunt	Ancient land use and land degradation in Gozo (Maltese Islands): Evidence from terrestrial mollusc faunas
H06-07	18:30-18:45	Alessia Masi	Environmental and historical evidence draw the history of the centre of the Mediterranean. Isotope, pollen and historical data from Sicily for the last 2000 years

28 July (Tue) PM (17:00-18:50)**Oral: [H33] Quaternary record of landscape resilience and service provision (Room 231)**

Convener(s): Richard Bailey, Alistair Seddon, Andrew Dugmore, Anson Mackay

H33-01	17:00-17:15	Althea L Davies	The long and the short of it: cross-scale resilience thinking in palaeoecology
H33-02	17:15-17:30	Michael-Shawn Fletcher	Burning questions: how does fire drive long-term ecosystem dynamics in cool temperate rain forests?
H33-03	17:30-17:45	Rebecca J Hamilton	Threshold dynamics of south-east Asian dry forests: a palaeoecological approach to ecosystem resilience assessment
H33-04	17:45-18:00	Sonia L. Fontana <i>Invited</i>	Late-Glacial and Holocene vegetational stability of southern South America
H33-05	18:00-18:15	Alistair W.R. Seddon	Extrinsic and Intrinsic Responses to Environmental Change: Insights from Terrestrial Paleocological Archives
H33-06	18:15-18:30	Juliane Wolter	Stable tundra vegetation on the Yukon Coastal Plain (NW Canada) during the last three centuries inferred from a thermokarst lake record

28 July (Tue) PM (17:00-18:50)**Oral: [T06] Quaternary research on past seismic records (Room 232-233)**

Convener(s): Klaus Reicherter, Ioannis Papanikolaou, Frank Audemard

T06-08	17:00-17:15	Daniela Pantosti	CHARACTERIZING RUPTURES OF NORMAL FAULTS IN ITALY
T06-09	17:15-17:30	Christoph Gruetzner	Some remarks on the problem of surface rupture reconstructions for paleo-earthquakes
T06-10	17:30-17:45	Thomas K. Rockwell	High-precision dating of Holocene Lake Cahuilla: a key to sequencing southern San Andreas fault system earthquakes
T06-11	17:45-18:00	Sirel Colon	Last low sea-level episodes and sensitivity to major tsunamis along central northern Venezuela margin
T06-12	18:00-18:15	Tadashi Maruyama	Late Quaternary normal faulting on the Saga-heiya-hokuen fault zone (northern marginal fault of the Saga Plain), central Kyushu, as revealed by seismic reflection profiling and densely spaced boreholes

T06-13	18:15-18:30	Marina I Siti	SEDIMENTARY PROCESSES OF EARTHQUAKES RECORDS IMPLIED BY TURBIDITES DISTRIBUTION ON THE CENTRAL SUMATRAN MARGIN
T06-14	18:30-18:45	Youli Li	Slip rate and paleoseismicity of the east part of the Minle-Damaying Fault, middle of the Hexi Corridor, Northwest China

28 July (Tue) PM (17:00-18:50)

Oral: [T03] Soil-forming processes and their rates (Room 234)

Convener(s): Daniela Sauer, Pauline Y. D. Da Costa, I. Mike Akaegbobi

T03-01	17:00-17:15	Izuchukwu M Akaegbobi	Geomorphological and Paleopedological Development on Cretaceous Parent Source Rock around Nsukka Southeastern Nigeria
T03-02	17:15-17:30	Eric v McDonald	Dating buried soils formed in fault-derived colluvium using age estimates developed from soil chronosequences
T03-03	17:30-17:45	Daniela Sauer	The Vestfold Podzol chronosequence: 31 profiles representing 10,000 years of Podzol development in S Norway
T03-04	17:45-18:00	Elke Vandekerkhove	The volcanic ash soils of northern Chilean Patagonia (44-48°S): Distribution, weathering and influence on river chemistry
T03-05	18:00-18:15	Chunxia Zhang	Elevation dependent weathering and pedogenesis of the Emeishan basalt in the northeastern Yunnan, China

28 July (Tue) PM (17:00-18:50)

Oral: [C12] Comparative paleoecology of the subarctic marine system (Room 431)

Convener(s): Ben Fitzhugh, Naomi Harada, Lester Lemke-Jene, Anne de Vernal

C12-01	17:00-17:15	Anne De Vernal	Linking marine records of sea ice cover and productivity changes with archeological archives in western Arctic and sub-Arctic regions
C12-02	17:15-17:30	David R. Yesner	Discovery of Potential Marine Resources for Support of Early Human Coastal Migrants along the Northern Gulf of Alaska, USA
C12-03	17:30-17:45	Nicole Misarti	Exploring the relationship between Mid to Late Holocene ocean productivity and humans along the coasts of southwestern Alaska
C12-04	17:45-18:00	Jason A. Addison	Holocene productivity records of the Subarctic North Pacific Ocean
C12-05	18:00-18:15	Ben Fitzhugh	Exploring a coupled climate-ocean-human model for the late Holocene North Pacific Rim
C12-06	18:15-18:30	Junko Habu	Human Ecodynamics and Their Changes in Prehistoric Japan: Food Diversity, Climate Change and Long-term Sustainability of Hunter-Gatherer Systems
C12-07	18:30-18:45	Thomas H McGovern	Archaeological sites as a Distributed Observing Network of the Past: a North Atlantic Perspective

28 July (Tue) PM (17:00-19:05)

Oral: [C11] DELTAS (Room 432)

Convener(s): Yoshiki Saito, Edward Anthony, James P.M. Syvitski, Karl Stattegger, Steven L. Goodbred, Kazuaki Hori

C11-15	17:00-17:15	Hongbo Zheng	Adoption of early Neolithic settlements to sea level changes in the broad Yangtze River Delta
C11-16	17:15-17:30	Dadong Pan	Assessing magnetic parameters in studying the Holocene sedimentary environmental change at the Yangtze River mouth, China
C11-17	17:30-17:45	Shuqing Qiao	Holocene sedimentary record of environmental change response to the Huanghe (Yellow River) channel shifts
C11-18	17:45-18:00	Jian Liu	Sedimentary evolutions during the last ~1.9 Ma in the northern Yellow River Delta coast
C11-19	18:00-18:15	Naishuang Bi	Recent changes in the erosion-accretion patterns of the active Huanghe (Yellow River) delta lobe by human activities
C11-20	18:15-18:30	Jiandong Qiu	Sedimentary architecture of the mud deposit off the southern Shandong Peninsula in the northwestern South Yellow Sea

C11-21 18:30-18:45 **Takashi Ogami**

Sediment transport of the Holocene Kiso River delta system associated with relative sea-level changes, reconstructed from dense age-determination and grain-size analysis

29 July (Wed) AM1 (09:00-10:50)**Oral: [S08] Innovative Development and Applications in Quaternary Geochronology (Reception Hall A)**

Convener(s): Liping Zhou, Rainer Grun, Toshio Nakamura, Ashok Singhvi, Shin Toyoda

S08-01	09:00-09:15	Masako Yamane <i>Invited</i>	Compound-specific 14C dating of IODP Expedition 318 core U1357A obtained off the Wilkes Land coast, Antarctica
S08-02	09:15-09:30	Quan Hua	Large variations in the Holocene marine radiocarbon reservoir effect reflect ocean circulation and climatic changes
S08-03	09:30-09:45	Toshio Nakamura	High-precision age determination of Japanese wood by radiocarbon dating with accelerator mass spectrometry
S08-04	09:45-10:00	Youske Miyairi	Reconstructions of regional radiocarbon marine reservoir ages in Hokkaido, Japan using pre-bomb kelp specimens
S08-05	10:00-10:15	Rebecca M Briant	Pretreating macrofossil seeds to enable accurate dating at the limit of the radiocarbon technique
S08-06	10:15-10:30	John A Westgate	Fission track dating of Australasian tektites indicates two age populations
S08-07	10:30-10:45	Mathieu Duval	New approaches in ESR dating of sedimentary quartz grains and fossil teeth: an example from the Middle Palaeolithic occupation at Cuesta de la Bajada (Spain).

29 July (Wed) AM1 (09:00-10:50)**Oral: [P31] Peat deposits during the Quaternary (Reception Hall B)**

Convener(s): Zicheng Yu, Dan Charman, David Beilman

P31-01	09:00-09:15	Benjamin David Stocker <i>Invited</i>	Lost peatlands: Hindcasting the spatial shift in peatland distribution since the Last Glacial Maximum and its implication for the global peatland carbon balance
P31-02	09:15-09:30	Peter Kuhry	Peat carbon stocks in the northern circumpolar permafrost region during the last glacial maximum
P31-03	09:30-09:45	April Sue R Dalton	Dating pre-Holocene organic deposits in the extensive peatlands of the Hudson Bay Lowlands, Canada
P31-04	09:45-10:00	Terri Lacourse	A multi-proxy peat study of Holocene vegetation history, bog development and carbon accumulation at an ombrotrophic bog in Pacific Canada
P31-05	10:00-10:15	Henning A. Bauch	Peat-based time constraints on the late Holocene evolution of the Lena Delta
P31-06	10:15-10:30	Helen Mackay	Late Holocene peatland dynamics in eastern North America: testing the vulnerability of the peatland carbon store
P31-07	10:30-10:45	Michelle Garneau	A new version of the DigiBog model to explore variables related to late-Holocene increased surface wetness in poor fens of subarctic Quebec, Canada

29 July (Wed) AM1 (09:00-10:50)**Oral: [P30] East-Central European paleoclimate and paleoenvironment during the last glaciation (Room 131-132)**

Convener(s): Enikő Magyari, Daniel Veres

P30-01	09:00-09:15	Frank Lehmkuhl <i>Invited</i>	Danube loess: Paleoenvironmental record and potential eastern European corridor for the dispersal of modern humans
P30-02	09:15-09:30	Slobodan B Markovic <i>Invited</i>	Climate and environmental dynamics recorded in the Central and Eastern European (CEE) loess belt during the last glacial cycle
P30-03	09:30-09:45	Michal Makos	The last deglaciation in the Tatra Mountains (Western Carpathians) and its palaeoclimatic implications
P30-04	09:45-10:00	Tivadar Gaudenyi	Late Pleistocene paleoenvironment of the Titel - Old Brickyard exposure (Titel Loess Plateau, Serbia) based on the malacological record
P30-05	10:00-10:15	Balazs Bradak	The paleogeomorphological synthesis around the habitat of the Epigravettian man at Veroce site, Hungary

P30-06 10:15-10:30 **Ilona Pal** The impact of the 8.2 ka rapid climate change event on the vegetation and lake ecosystem of the South Carpathian Mountains, Romania

29 July (Wed) AM1 (09:00-10:50)

Oral: [P22] Asian monsoon variability recorded in various sediments (Room 133-134)

Convener(s): Hema Achyuthan, Ken Ikehara, Min-Te Chen, Andrew Hendersen, Ann Holbourn, Steven Clemens, Ryuji Tada, Anjum Farooqui, Christopher Eastoe

P22-08	09:00-09:15	Thibault De Garidel-Thoron	High frequency hydrological changes in the Bay of Bengal during the last glacial period
P22-09	09:15-09:30	Da-Cheng Lin	Millennial scale changes in Uk37 and TEXH86 derived temperature in the northern South China Sea during the past 45,000 years (MD972146)
P22-10 <i>Invited</i>	09:30-09:45	Takuya Sagawa	Chronostratigraphy of IODP Expedition 346 Site U1427 and influence of the glacio-eustatic sea-level change on marginal sea environments
P22-11	-	Withdrawn	
P22-12	10:00-10:15	Ken Ikehara	Tephra as a powerful tool for paleoceanography and paleoclimatology
P22-13	10:15-10:30	Hua Zhang	Orbital-scale Environmental Changes Inferred from an 1168m Core in the Upstream Yellow River Basin of Yinchuan, China
P22-14	10:30-10:45	Ying Li	Multiscale monsoon variability during the last two climatic cycles inferred from Chinese loess and speleothem records

29 July (Wed) AM1 (09:00-10:50)

Oral: [P24] Extreme environments (Room 141-142)

Convener(s): Jean Nicolas Haas, Didier Galop, Hervé Cubizolle

P24-01 <i>Invited</i>	09:00-09:15	Willy Tinner	Combining frozen fire, vegetation and climate records with satellite and modelling approaches
P24-02	09:15-09:30	Daniela Festi	Turning pollen into a chronological tool: annual and seasonal variations of pollen deposition in the Alto dell'Ortles Glacier (Eastern Italian Alps)
P24-03	09:30-09:45	Benjamin Dietre	Palynology and Palaeoecology of the Holocene Lazaun Rock Glacier (Schnals Valley, South Tyrol, Italy)
P24-04	09:45-10:00	Petra Kaltenrieder	Reconstruction of Full Glacial environmental and climatic conditions at a refugial site of temperate trees in northeastern Italy
P24-05 <i>Invited</i>	10:00-10:15	Astrid Stobbe	The steppe - an extreme environment for humans, animals and the genesis of natural archives
P24-06	10:15-10:30	Sahbi Jaouadi	Mid- to Late Holocene vegetation dynamics in the southern Tunisia Mediterranean-saharan transition zone inferred from the Sebkhia Boujmel pollen record.
P24-07	10:30-10:45	Jacqueline Argant	Ayn-al-Zarqa : A late Holocene palaeoclimate archive from the Arid Margins (northern Syria)

29 July (Wed) AM1 (09:00-10:50)

Oral: [H21] Paleoenvironments and human behavioral adaptations in Central Asia (Room 221)

Convener(s): Radu Iovita, Kathryn Fitzsimmons

H21-01	09:00-09:15	Jiri Chlachula	Environmental background of Pleistocene peopling of East Kazakhstan
H21-02	09:15-09:30	Shimrit Maman	Palaeoclimatic interpretations of the Mid- Holocene stabilization of the Karakum and Kyzylkum sand seas, Central Asia
H21-03	09:30-09:45	Radu Iovita	A chronological framework for the Palaeolithic in the central Asian loess steppe
H21-04	09:45-10:00	Michelle M Glantz	Mapping hominin dispersals in late Pleistocene Central Asia: the good, the bad, and the ugly

H21-05	10:00-10:15	Galina Dmitrievna Pavlenok	Cultural variability in the final Paleolithic in western Transbaikalian
H21-06	10:15-10:30	Haruka Matsuoka	The rock-magnetic profiles of lake sediment cores obtained from Balkhash Lake, Kazakhstan

29 July (Wed) AM1 (09:00-10:50)

Oral: [H31] Human behavioral variability in prehistoric Eurasia (Room 222-223)

Convener(s): Akira Ono, Jun Takakura, Yuichi Nakazawa, Yaroslav V. KUZMIN

H31-01	09:00-09:15	Michael Bolus	Tool Diversity and Mobility: Deducing Middle Paleolithic Land Use Patterns from the Analysis of Lithic Assemblages
H31-02	09:15-09:30	Takuya Yamaoka	An experimental study of trapezoids in the initial Early Upper Paleolithic of the Japanese Islands.
H31-03	09:30-09:45	YAROSLAV V. KUZMIN	Obsidian procurement and exchange in prehistoric Northeast Asia: the results of current research
H31-04	09:45-10:00	Anne-Kyria Robin	Pluridisciplinary approach in obsidian sourcing: characterization and identification of geological sources in eastern Anatolia using geochemical analyzes, petrology, geomorphology and statistics.
H31-05	10:00-10:15	Natalia Tsydenova	A comparative study of chemical and physical index characteristics of ancient nephrites from Baikal region and China
H31-06	10:15-10:30	Akihiro Yoshida	Impact of landscape changes on obsidian exploitation since the Paleolithic in the central highland of Japan
H31-07	10:30-10:45	Kazutaka Shimada	Upper Palaeolithic obsidian exploitation and human behavior in the central highlands of central Japan

29 July (Wed) AM1 (09:00-10:50)

Oral: [H14] Human dynamics in hot deserts (Room 224)

Convener(s): Atsushi Noguchi, Marco Madella, Andrea Balbo, James Blinkhorn, Yorinao Shitaoka

H14-01	09:00-09:15	Marco Madella	Human dynamics in hot deserts - an overview <i>Invited</i>
H14-02	09:15-09:30	Seiji Kadowaki	Early Upper Palaeolithic lithic technology in the Syrian Desert and its implications for the dispersal of anatomically modern humans
H14-03	09:30-09:45	James Blinkhorn	The Gateway of India: Human-environment interactions in the Thar Desert, India
H14-04	09:45-10:00	Rose H Whitau	Colonising the desert fringe: Archaeobotanical investigation at the oldest archaeological site in Australia
H14-05	10:00-10:15	Atsushi Noguchi	Settlement pattern dynamics and its implications for desert environment during the late Pleistocene and the Holocene in the western fringe of Thar Desert, Sindh, Pakistan
H14-06	10:15-10:30	Steven B Markofsky	Fan's End: Local variability and the interactions between people and landscape in the arid inland deltas of Central Asia
H14-07	10:30-10:45	Tara Beuzen-Waller	Human evolution and long-term environmental adaptation in the Adam region (Sultanate of Oman)

29 July (Wed) AM1 (09:00-10:50)

Oral: [H25] Paleoenvironmental and cultural landscapes of the first (South) Americans (Room 231)

Convener(s): Calogero Santoro, Eugenia Gayo, Claudio Latorre

H25-01	09:00-09:15	Jose M Capriles	The Archaeological and Paleoenvironmental Context of Cueva Bautista: A Late Pleistocene Human Occupation in the Bolivian Highlands <i>Invited</i>
H25-02	09:15-09:30	Eugenia M Gayo	Late Pleistocene paleoenvironments in the hyperarid core of the Atacama Desert and its relevance to the early peopling of South America
H25-03	09:30-09:45	Delphine Joly	Fuel management, environmental constraints and cultural choices in the Atacama Desert

H25-04	09:45-10:00	Calogero M Santoro	How the first inhabitants of the Atacama Desert managed to create the foundation for a long-term human enterprise in an extreme environment
H25-05	10:00-10:15	Luis A. Borrero	New Research at Cueva del Milodon, South Chile
H25-06	10:15-10:30	Christopher P Carter	Fluctuations in shellfish and fish abundance through time - the impact of El Nino on prehistoric coastal populations, Caleta Vitor, northern Chile.
H25-07	10:30-10:45	Bianca Petruzzelli	Mid-late Holocene populations at Fenix, Valparaiso Region of central Chile: An investigation into diet and mobility

29 July (Wed) AM1 (09:00-10:50)

Oral: [T13] Extreme disasters and responses from Quaternary science and geotechnical engineering (Room 232-233)

Convener(s): Kazuya Yasuhara, Masatomo Umitsu, Hemanta Hazarika

T13-01	09:00-09:15	Nozomi Iso	Character of the Hiroshima Debris Flow Disaster and its Evaluation of the Slope Instability Occurred on Aug. 20. 2014, Hiroshima City, Western Japan
<i>Invited</i>			
T13-02	09:15-09:30	Sangseom Jeong	A proposal of geo-hydrological model for susceptibility assessment of landslides under extreme-rainfall events
<i>Invited</i>			
T13-03	09:30-09:45	Masatomo UMITSU	Tsunami inundation and coastal change in the coastal plains of the northwestern Sumatra Island, Indonesia and the Sendai and Ishinomaki coastal plains, Japan
T13-04	09:45-10:00	Kunihiko Endo	3D analysis of highly-deformed aquifers by active faults in Hadano tectonic basin, Kanagawa Prefecture, Central Japan - relating to the YNU project of Future City Design -

29 July (Wed) AM1 (09:00-10:50)

Oral: [T04] Processes of dust and loess formation and their climatic implications (Room 234)

Convener(s): Rivka Amit, Yehouda Enzel, Sandy Harrison, Onn Crouvi

T04-01	09:00-09:15	Denis-Didier Rousseau	Record of abrupt changes of last climate cycle in European glacial dust deposits
<i>Invited</i>			
T04-02	09:15-09:30	Andrea Zerboni	An overlooked palaeoenvironmental archive: loess in northern Italy
T04-03	09:30-09:45	Kerstin Schepanski	The atmospheric dust cycle over North Africa: Dust source characteristics and meteorological controls
T04-04	09:45-10:00	Onn Crouvi	Dust emission from different soil types and geomorphic units in the Sahara: Implications for modeling dust emission and transport
T04-05	10:00-10:15	Sandor Gulyas	The first high resolution grain-size and magnetic susceptibility record from loess of eastern South Island, New Zealand
T04-06	10:15-10:30	Carol M S Smith	Dusty soils: comparing provenance, transport and pedogenesis from selected parna and loess soils in Australia and New Zealand
T04-07	10:30-10:45	Youbin Sun	Provenance and transport dynamics of fine dust deposits on the Chinese Loess Plateau and in the Japan Sea
<i>Invited</i>			

29 July (Wed) AM1 (09:00-10:50)

Oral: [C06] Coastal land-sea interactions (Room 431)

Convener(s): Mark Bateman, Colin-Murray-Wallace, Jonathon Nott, Toru Tamura

C06-01	09:00-09:15	Fabrizio Antonioli	The colonization of Sardinia and Sicily by anatomically modern humans and not by swimming terrestrial mammals: new data for answering old questions
<i>Invited</i>			
C06-02	09:15-09:30	Federico Di Rita	Sea-lake-man interactions in the wetland north of the Tiber delta (Rome, Italy) since the last deglaciation
C06-03	09:30-09:45	Hanna Raig	Diatom inferred salinity change in the Narva-Luga palaeolagoon (eastern Gulf of Finland) during Stone Age
C06-04	09:45-10:00	Zhujun Hu	Land-sea succession and its influence on the Hemudu Culture in the South Yangtze River Delta
C06-05	10:00-10:15	Harm Jan Pierik	Late Holocene coastal plain evolution in the Netherlands

C06-06	10:15-10:30	George J. Lominadze	Development of the River Deltas of the Black Sea East Coast
C06-07	10:30-10:45	GIANNIS SAITIS	Geochemistry of beachrocks and their palaeoenvironmental significance: case study Central Cyclades (Aegean Sea)

29 July (Wed) AM1 (09:00-10:50)

Oral: [C04] Reconstruction and interpretation of paleo sea level records (Room 432)

Convener(s): Yusuke Yokoyama, Gilbert Camoin, Jody M. Webster, Glenn A. Milne

C04-01	09:00-09:15	Natasha Barlow	The mode of sea-level variability during the late Pleistocene: estuarine evidence from north west Europe
C04-02	09:15-09:30	Fiona D Hibbert	Fossil corals and speleothems as markers of past sea levels: towards a consistent global repository
C04-03	09:30-09:45	Alessio Rovere	Mediterranean Paleo sea-level changes: open questions and multidisciplinary perspectives
C04-04	09:45-10:00	Belinda Dechnik	Growth history and geomorphic development of last interglacial platform reefs beneath the modern Great Barrier Reef.
C04-05	10:00-10:15	Alexander R Simms	Interstadial Sea Levels and Marine Terraces: The Importance of Glacio-Hydro-Isostatic Adjustment in Determining Vertical Tectonic Motion Across the Pacific Coast of North America
C04-06 <i>Invited</i>	10:15-10:30	John B Anderson	Geological record of post-LGM Antarctic Ice Sheet retreat: implications for sea-level rise
C04-07	10:30-10:45	Jody M Webster	Response of the Great Barrier Reef to sea level and environmental changes over the past 30 ka

29 July (Wed) AM2 (11:10-13:00)

Oral: [S08] Innovative Development and Applications in Quaternary Geochronology (Reception Hall A)

Convener(s): Liping Zhou, Rainer Grun, Toshio Nakamura, Ashok Singhvi, Shin Toyoda

S08-08 <i>Invited</i>	11:10-11:25	Geoffrey AT Duller	Next generation luminescence dating: A new geochronological method for dating the entire Quaternary based upon luminescence dating of biogenic calcite
S08-09	11:25-11:40	Sallie L Burrough	Dating the desert: An insight from single grain optically stimulated luminescence analyses.
S08-10	11:40-11:55	Rachel K Smedley	Developing a robust approach to determine luminescence ages from glaciofluvial sediments
S08-11	11:55-12:10	Sumiko Tsukamoto	Pulsed IRSL: a stable and fast bleaching feldspar luminescence signal for dating young water-lain sediments
S08-12	12:10-12:25	Lee J Arnold	The age of extinction: single-grain optical dating of Late Pleistocene megafaunal sites from South Australia
S08-13	12:25-12:40	Rabiul H Biswas	Dating of Quaternary tephras using Optical and ESR methods: Reliability test and improving the methodology
S08-14	12:40-12:55	Xiaomei Nian	Optical dating of the Yangshang Palaeolithic site in Gansu Province, China

29 July (Wed) AM2 (11:10-13:00)

Oral: [P31] Peat deposits during the Quaternary (Reception Hall B)

Convener(s): Zicheng Yu, Dan Charman, David Beilman

P31-08 <i>Invited</i>	11:10-11:25	Ian T Lawson	Long-term development of western Amazonian peatlands: patterns and processes
P31-09	11:25-11:40	David W Beilman	Tropical Pacific climate and carbon dynamics reconstructed from Hawaii peat deposits
P31-10	11:40-11:55	Siria Biagioni	The long-term ecology and fire history of a Holocene inland peat dome in Jambi, Sumatra
P31-11	11:55-12:10	Patrick T Moss	Peatlands of the Giant Sand Masses of Sub-tropical Eastern Australia
P31-12	12:10-12:25	Mark A Burrows	A new humification record for northeast Australia: dating millennial and centennial scale climate variability in the Holocene

P31-13	12:25-12:40	Chunmei Ma	Multi-proxy analyses of a peat bog from Dabie Mountains, Eastern China: a record of palaeoenvironmental and palaeoclimatic changes since the middle Holocene
P31-14	12:40-12:55	Anne Quillet	Modelling carbon dynamics in disturbed and restored peatlands

29 July (Wed) AM2 (11:10-13:00)

Oral: [P16] MIS 3 Glaciation (Room 131-132)

Convener(s): Glenn Thackray, James Shulmeister, Philip Hughes

P16-01	11:10-11:40	Henrik Rother	Stadial and interstadial glacial maxima in eastern and central Mongolia: evidence for a transitional pattern of glaciation in north-central Asia?
P16-02	11:40-11:55	Jigjidsurengiin Batbaatar	Marine Oxygen Isotope Stage 3 glaciations in continental-climate regions of Central Asia
P16-03	11:55-12:10	Jing Xiao	Evolution of glacier and paleoclimate during late Quaternary in Tien Shan
P16-04	12:10-12:25	Natacha M Gribenski	Glacial advance in the Kanas Valley in the Chinese Altai during MIS 3: reality or dating artifact?
P16-05	12:25-12:40	Glenn D Thackray	Patterns and Paleoclimatic Implications of MIS 3 Glaciation in Western North America
P16-06	12:40-12:55	Karin F. Helmens	Global ice volume during MIS 3: substantial or insignificant?

29 July (Wed) AM2 (11:10-13:00)

Oral: [P22] Asian monsoon variability recorded in various sediments (Room 133-134)

Convener(s): Hema Achyuthan, Ken Ikehara, Min-Te Chen, Andrew Hendersen, Ann Holbourn, Steven Clemens, Ryuji Tada, Anjum Farooqui, Christopher Eastoe

P22-15	11:10-11:25	Houyun Zhou	A high-resolution speleothem U/Ca record from Central China and its paleoclimatic implications
P22-16	11:25-11:40	Kyung Sik Woo	Late Holocene paleoclimate reconstructions using the textural and stable isotope compositions of three stalagmites from the lava tube caves in Jeju Island, Korea
P22-17	11:40-11:55	Xiaoqiang Yang	Correlating and refining the Holocene stratigraphy Chronology-Application of the geomagnetic secular variations
P22-18	11:55-12:10	Sakonvan Chawchai	The record of Lake Pa Kho: Hydroclimatic shifts in northeast Thailand during the last two millennia
P22-19	12:10-12:25	Christian Leipe	New insights into the Holocene Asian summer monsoon dynamics and the evolution of the Indus Civilisation based on a pollen record from the high-alpine lake Tso Moriri (NW Himalayas)
P22-20	12:25-12:40	Andreas Koutsodendris	Reconstructing Central Asian moisture variability across the Mid-Pleistocene Transition in the Qaidam basin (NE Tibet) using pollen and leaf wax δD
P22-21	12:40-12:55	Zhaohui Zhang	The evolution of Asian monsoon precipitation during the Holocene revealed by biomarker hydrogen isotope in Huguangyan maar lake sediments

29 July (Wed) AM2 (11:10-13:30)

Oral: [P28] Modern calibration of palaeoenvironmental proxies from biogenic carbonate geochemistry (Room 141-142)

Convener(s): Amy Prendergast

P28-01	11:10-11:25	Bernd R Schoene	Quantitative paleoenvironmental reconstructions using mollusk shells - challenges, limitations and perspectives
P28-02	11:25-11:40	Sarah Tynan	Geographical variation in Mg/Ca-temperature calibrations for the oyster <i>Saccostrea glomerata</i>
P28-03	11:40-11:55	Floiran W Dux	Trace-element and stable-isotope geochemistry of charophytes (plant-like macro algae) as a palaeoenvironmental indicator
P28-04	11:55-12:10	Allan R Chivas	Combined trace-element and stable-isotope analysis of single ostracod valves: Insights into short-term palaeoenvironmental variability

P28-05	12:10-12:25	Nina Keul	Trace elements in pteropods: proxy development and paleoceanographic implications
P28-06	12:25-12:40	Amy Jeffrey	What do the stable isotope composition of small mammal tissues reflect in semi-arid and arid environments?
P28-07	12:40-12:55	Tomoko Bell	Coral genes related to elements in seawater and their potential influence on variations in skeletal climate proxies
P28-08	12:55-13:10	Ruy K Kikuchi	Coral skeletons as tools of paleoceanographic reconstruction of Atlantic Equatorial region: examples from Rocas Atoll, northeastern Brazil.
P28-09	13:10-13:25	Shoko Hirabayashi	Evaluating the sea surface temperature reconstruction at the extreme latitudinal limits of Porites using Sr/Ca and oxygen isotopes

29 July (Wed) AM2 (11:10-13:00)

Oral: [H29] Organisms and environments: Frontiers in palaeoecological technique development (Room 221)

Convener(s): William Gosling, Phillip Jardine, Wesley Fraser, Barry Lomax, Encarni Montoya

H29-01	11:10-11:25	Stefan Engels	Holocene precipitation changes at lake Uddelermeer (The Netherlands) reconstructed using a combination of classical and novel palaeoecological techniques
H29-02	11:25-11:40	M. Jane Bunting	Reconstructing landcover from palaeoecological records: the problem of the inconstant constant
H29-03 <i>Invited</i>	11:40-11:55	Katherine A Holt	ENHANCING TAXONOMIC RESOLUTION IN PALAEOECOLOGICAL RECONSTRUCTIONS USING AUTOMATED IMAGE CAPTURE AND ANALYSIS
H29-04	11:55-12:10	Phillip E Jardine	A proxy for past ultraviolet-B and solar irradiance based on pollen and spore chemistry
H29-05	-	Withdrawn	
H29-06	12:25-12:40	Liv Heinecke	Macrophyte (Potamogeton sp.) Analyses and ancient DNA from Lake Sediments - Lake Karakul, Tajikistan
H29-07	12:40-12:55	Yuichi I. Naito	Amino acid nitrogen isotopic constraints on the diet of cave bears (Ursus spelaeus) from Goyet Cave, Belgium: insights into the paleoecological reconstruction

29 July (Wed) AM2 (11:10-13:30)

Oral: [H31] Human behavioral variability in prehistoric Eurasia (Room 222-223)

Convener(s): Akira Ono, Jun Takakura, Yuichi Nakazawa, Yaroslav V. KUZMIN

H31-08	11:10-11:25	Tadeusz Wisniewski	Magdalenian settlement in Eastern Poland: raw materials economy and technological features at Klementowice
H31-09	11:25-11:40	Shinji Kato	The utilization of lithic raw materials during Upper Palaeolithic in Eastern China: Focus on microblade industries
H31-10	11:40-11:55	Mingjie Yi	Lithic technology and economy: a perspective from the microblade technology during the late Upper Paleolithic in North China
H31-11	11:55-12:10	Yuichi Nakazawa	Microblade industrial variability in the Late Glacial Hokkaido
H31-12	12:10-12:25	Jun Takakura	The Tougeshita method reconsidered: A technological assessment of the microblade assemblages in Hokkaido, Northern Japan
H31-13	12:25-12:40	Noriyoshi Oda	Temporal Changes in the Obsidian Procurement and Reduction Strategy at the Upper Paleolithic Site of Minamimachi-2, Hokkaido (Japan)
H31-14	12:40-12:55	Yu Hirasawa	Microblade Production Technology in Alaska from the Perspective of Swan Point Site
H31-15	12:55-13:10	Nobuyuki Ikeya	Emigrations and Cultural Changes at the Beginning of Early Jomon, after the Akahoya Volcanic Ashfall, Japan
H31-16	13:10-13:25	Akira Ono	Bone material procurement and tool-making technology on the Palaeolithic: a view from lithics

29 July (Wed) AM2 (11:10-13:00)

Oral: [H14] Human dynamics in hot deserts (Room 224)

Convener(s): Atsushi Noguchi, Marco Madella, Andrea Balbo, James Blinkhorn, Yorinao Shitaoka

H14-08	11:10-11:25	Andrea L. Balbo	Soil and people on the margins of the Thar Desert. Preliminary results on linkages between the genesis of interdunal soils and human settlement in Holocene North Gujarat (NorthWest India)
H14-09	11:25-11:40	Sumio Fujii	Wadi Abu Tulayha: Archaeological Evidence and OSL Dating of the Neolithic Barrage System in Southern Jordan
H14-10	11:40-11:55	Andrea Zerboni	A Mesolithic continental shell-midden from central Sudan: subsistence strategies of people at the margin of the Nile valley
H14-11	11:55-12:10	Penny J Jones	Adaptation and agricultural resilience in the face of a drying climate? Isotopic evidence from the Indus Civilisation, 3000-1500 BC
H14-12	12:10-12:25	Jennifer Bates	Multi-cropping: an adaptive strategy to climate change in the Indus Civilisation?
H14-13	12:25-12:40	Michael J Harrower	Climate, Hydrology, Geomorphology and Human Adaptation in Southern Arabia 12,000 to 1,400 BP
H14-14	12:40-12:55	Stefano Biagetti	A different perspective on the termination of the Holocene Green Sahara: Resilience of present day societies in the central Sahara and implications for human adaptation in historical and modern times

29 July (Wed) AM2 (11:10-13:30)

Oral: [H09] Cultural responses to Late Glacial-Middle Holocene palaeoenvironmental changes in Europe (Room 231)

Convener(s): Erick Robinson, Felix Riede

H09-01	11:10-11:25	Erick Robinson	Modelling cultural responses to gradual and abrupt paleoenvironmental changes in Late Glacial to middle Holocene Europe
H09-02	11:25-11:40	Seren G M Griffiths	The 8.2ka event evidence for human-environment interaction in north-west Atlantic Europe
H09-03	11:40-11:55	Marc Vander Linden	A long hard road... Assessing evidence for environmental and population history in the Eastern Adriatic and western Balkans during the Late Pleistocene and Early/Middle Holocene
H09-04	11:55-12:10	Heikki Seppa	Did the mid-Holocene environmental changes cause the boom and bust of hunter-gatherer population size in eastern Fennoscandia?
H09-05	12:10-12:25	Keiko Kitagawa	Subsistence practice and mobility of hunter-gatherers during the Late Upper Paleolithic and Mesolithic in the steppe of Eastern Europe
H09-06	12:25-12:40	Nathaniel R Kitchel	Abrupt climate change events and the Paleoindian period in the northeastern US
H09-07	12:40-12:55	Rebecca M Wragg Sykes	Integrating methodological approaches to identification and measurement of hunter-gatherer mobility: the potential of Late Glacial to Holocene context
H09-08 <i>Invited</i>	12:55-13:10	Ana Moreno	Reconstructing Western Europe climate since last deglaciation and Early Holocene: an INTIMATE compilation of terrestrial records
H09-09 <i>Invited</i>	13:10-13:25	Lawrence G. Straus	Into the Recent in Europe: Some Observations on Human Responses to the Pleistocene-Holocene Transition.

29 July (Wed) AM2 (11:10-13:00)

Oral: [T09] Urban disaster mitigation using Geoinformatics Database (Room 232-233)

Convener(s): Mamoru Mimura, Askar Zhussupbekov, Keiji Takemura, Naoko Kitada

T09-01 <i>Invited</i>	11:10-11:25	Hiroaki Todo	Development of Geotechnical Ground Models of Quaternary Deposits across Japan by Japanese Geotechnical Society: Scope and Challenge
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T09-02	11:25-11:40	Satohi Murakami	Publishing National Geotechnical Ground Models in Japan on the Web
T09-03	11:40-11:55	Keiji TAKEMURA	Geo-informatics for geotechnical and geological studies in Kansai District, Japan: Construction of Data base and its Application
T09-04	11:55-12:10	Akihiko Oshima	Development of representative soil profile model of quaternary alluvium in Osaka region and its application to liquefaction-hazard assessment
T09-05	12:10-12:25	Kazuhiro ODA	Spatial and probabilistic estimation of consolidation properties of Holocene clays and its application to prediction of consolidation settlement
T09-06	12:25-12:40	Mamoru Mimura	Long-term Deformation of the Reclaimed Pleistocene Clay Deposits Due to the Construction of the Offshore Airport
T09-07	12:40-12:55	Hiroko Ito	Subsurface Geology of the Kyoto Basin using Borehole Database
T09-08	12:55-13:10	Ryuji Ehara	The setting method of a shallow sedimentary structure model for dynamic analysis of public infrastructure by application of Geotechnical Database in the Osaka sedimentary ground

29 July (Wed) AM2 (11:10-13:00)

Oral: [T04] Processes of dust and loess formation and their climatic implications (Room 234)

Convener(s): Rivka Amit, Yehouda Enzel, Sandy Harrison, Onn Crouvi

T04-08	11:10-11:25	Rivka Amit	The decades-long enigma of loess formation in warm deserts and influx of aeolian silts as a limiting factor in soil formation around the Mediterranean region
T04-09	11:25-11:40	Long Ma	Provenance evolution of Chinese eolian deposits since the Miocene inferred by ESR signal intensity and crystallinity index of quartz
T04-10	11:40-11:55	Yuan Shang	Spatio-temporal changes in the provenance of the Neogene red clay deposits in northern China

29 July (Wed) AM2 (11:10-13:15)

Oral: [C06] Coastal land-sea interactions (Room 431)

Convener(s): Mark Bateman, Colin-Murray-Wallace, Jonathon Nott, Toru Tamura

C06-08 <i>Invited</i>	11:10-11:25	Mark D Bateman	Using the Land-Ocean transition to understand coastal landscapes of the Southern Cape, South Africa over the last glacial-interglacial cycle.
C06-09	11:25-11:40	Hayley C Cawthra	Marine geophysics and underwater geological mapping reveal the character of the submerged Palaeo-Agulhas Plain, South Africa
C06-10	11:40-11:55	Donald Michael Thieme	Late Quaternary land-sea interactions at Ossabaw Island on the Georgia coast, USA
C06-11	11:55-12:10	Craig R Sloss	Sea-level change and coastal landscape evolution in the southern Gulf of Carpentaria, Australia
C06-12	12:10-12:25	Thomas S N Oliver	Holocene evolution of low-lying coastal sand ridge plains, southeastern Australia
C06-13	12:25-12:40	Jingran Zhang	Reconstructing Holocene transgression history and sedimentary processes by a robust chronostratigraphic record from German North Sea coast
C06-14	12:40-12:55	Hannes Tonisson	Internal patterns of coastal formations as an archive of past extreme events and storminess on the uplifting coast of non-tidal Baltic Sea, Estonia
C06-15	12:55-13:10	Wenxin Ning	Openness in coastal areas and its application in paleo-oceanographic study: case study from the Baltic Sea

29 July (Wed) AM2 (11:10-13:00)

Oral: [C04] Reconstruction and interpretation of paleo sea level records (Room 432)

Convener(s): Yusuke Yokoyama, Gilbert Camoin, Jody M. Webster, Glenn A. Milne

C04-08	11:10-11:25	Yusuke Yokoyama	Sea level record obtained from submerged the Great Barrier Reef coral reefs for the last 30 ka
C04-09	11:25-11:40	Tezer M Esat	Ice sheet surge and 25 m rapid sea-level rise at Younger Dryas 13,000 years ago
C04-10	11:40-11:55	Marc Humblet	Variations in coral assemblages and Late Quaternary environmental changes in the Great Barrier Reef of Australia: data from onshore and offshore drilling
C04-11	11:55-12:10	Volker Klemann	Sea level evolution of Laptev and East Siberian - Evidence from glacial isostatic adjustment
C04-12	12:10-12:25	Jean Liu	Constraining the source distribution of Meltwater Pulse 1A using near- and far-field data and modelling constraints
C04-13	12:25-12:40	Douglas H. Clark	Sub-millennial Transgression and Regression during the Final Advance of the Cordilleran Ice Sheet, Northwestern Washington and Southwestern B.C.
C04-14	12:40-12:55	Yiyang Sun	Holocene sea-level change in the western North Pacific marginal seas

29 July (Wed) (15:50-16:15)

Plenary: [PL4] Plenary Lecture (SHIROTORI HALL)

PL-04	Masa Kageyama	Connecting remote climate changes? models can help!
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29 July (Wed) (16:15-16:40)

Plenary: [PL5] Plenary Lecture (SHIROTORI HALL)

PL-05	Eelco Rohling	Continuous sea-level records with well-constrained chronologies: Implications for rates of change and climate sensitivity
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29 July (Wed) PM (17:00-18:50)

Oral: [S08] Innovative Development and Applications in Quaternary Geochronology (Reception Hall A)

Convener(s): Liping Zhou, Rainer Grun, Toshio Nakamura, Ashok Singhvi, Shin Toyoda

S08-15	17:00-17:15	Shuhei Sakata	Development of technique for precise age determination of Quaternary zircons with the correction of the initial disequilibrium on U-Th-Pb decay series using a laser ablation-ICP mass spectrometry
S08-16	17:15-17:30	Maayan Yehudai	Open system U-Th dating of corals replaced to calcite - The Gulf of Aqaba, northern Red Sea
S08-17	17:30-17:45	Kazuho Horiuchi	An attempt to reduce the sample size for cosmogenic ¹⁰ Be dating
S08-18	17:45-18:00	Yoshiki Shirahama	Late Quaternary tectonic evolution of the Kumkol Basin at the northeastern margin of the Tibetan Plateau quantified by using in situ cosmogenic radionuclides
S08-19	18:00-18:15	Naki Akcar	Isochron-burial dating of glaciofluvial deposits: first results from the Alps
S08-20	18:15-18:30	Ashleigh Massam	Application of ultra-high resolution direct trace-element analysis on Holocene and glacial ice from the Berkner Island ice core, West Antarctica.
S08-21	18:30-18:45	John C Hellstrom	Inverse modelling of speleothem growth rate

29 July (Wed) PM (17:00-18:50)

Oral: [P16] MIS 3 Glaciation (Room 131-132)

Convener(s): Glenn Thackray, James Shulmeister, Philip Hughes

P16-07	17:00-17:15	Philip D Hughes	Global glacier dynamics during glacial cycles: the influence of glacier size, continentality and solar radiation
P16-08	17:15-17:30	Alice M. Doughty	Mismatch of glacier extent and summer insolation in Southern Hemisphere mid-latitudes
P16-09	17:30-17:45	James Shulmeister	MIS 3 glacial advances of New Zealand and Australia

P16-10	17:45-18:00	Juan L. Garcia	MIS 3 maximum glacial extent of southern Patagonian glaciers during the last glacial period as inferred from extensive 10Be moraine dating and glacial modeling
P16-11	18:00-18:15	Christopher M Darvill	Extensive MIS 3 advance of the Bahia Inutil - San Sebastian ice lobe in southernmost South America and implications for the timing of ice advances in Patagonia
P16-12	18:15-18:30	Alessa J Geiger	MIS 5 to MIS 2 ice-thickness constraints from the Fitz Roy Massif and the Southern Patagonian Icefield at 49S, southern South America

29 July (Wed) PM (17:00-18:50)

Oral: [P22] Asian monsoon variability recorded in various sediments (Room 133-134)

Convener(s): Hema Achyuthan, Ken Ikehara, Min-Te Chen, Andrew Hendersen, Ann Holbourn, Steven Clemens, Ryuji Tada, Anjum Farooqui, Christopher Eastoe

P22-22	17:00-17:15	Yoshiaki Suzuki	Quantitative reconstruction of precipitation record based on detrital flux to Lake Suigetsu during the last 5000 years
P22-23	17:15-17:30	Ikuko Kitaba	Spatio-temporal structure of deglacial climate change: climate changes reconstructed from varved sediments of Lake Ichi-no-megata, Northern Japan, and its correlation with global references
P22-24	17:30-17:45	Taku Ajioka	Water pH and temperature in Lake Biwa from MBT/CBT indices during the last 280,000 years
P22-25	17:45-18:00	Yama Dixit	Holocene paleoenvironmental history of the Thar Desert using gypsum deposits in paleolake Karsandi, Rajasthan
P22-26	18:00-18:15	Keita Saito	East Asian Summer Monsoon variability during the late Holocene reconstructed from the provenance changes of the sediments from Yangtze River Delta
P22-27	18:15-18:30	Robert Hebenstreit	Quaternary mineral aeolian dust deposits in Taiwan and their potentials as a new archive
P22-28	18:30-18:45	Tomohisa Irino	Temporal variation of very fine elemental carbon in marginal sea and lake sediments in the northern Far East region

29 July (Wed) PM (17:00-18:50)

Oral: [P01] Terrestrial palaeoclimates, palaeosols and palaeoweathering profiles (Room 141-142)

Convener(s): Mohammed Rafi Sayyed , Daniela Sauer, Alexander Makeev

P01-01	17:00-17:15	Bernd Zolitschka	XRF analysis of a loess-palaeosoil sequence: A new approach to decipher Pleistocene climatic and environmental variations applied to Rodderberg, Germany
P01-02	17:15-17:30	Zhuo Zheng	Tropical vegetation changes of the last three glacial-interglacial cycles: high-resolution pollen record from Tianyang Paleolake, Southeast China
P01-03	17:30-17:45	Qiansuo Wang	Color characteristics of Chinese loess and its paleoclimatic significance during the last glacial-interglacial cycle
P01-04	17:45-18:00	Yue Li	Geochemical compositions of Tajikistan loess and preliminary exploration of the provenance information
P01-05	18:00-18:15	Bingqi Zhu	Holocene direct recharge on groundwater in desert areas of the Alashan Plateau, China
P01-06	18:15-18:30	Yonghao Yan	A 33,000 year history of Lake evolution and Climate Change in Guanzhong Basin
P01-07	18:30-18:45	Mohammed Rafi G Sayyed	Variability in the Palaeoenvironmental conditions of the bole bed (Intrabasaltic Palaeosols) formed in different episodes of Deccan Volcanism (India)

29 July (Wed) PM (17:00-19:05)

Oral: [H19] Pleistocene environments and bifacial technologies (Room 221)

Convener(s): Parth R. Chauhan

H19-01	17:00-17:15	Sileshi Semaw	Early Acheulian: the archaeological evidence from Gona, Ethiopia
H19-02	17:15-17:30	Mohamed Sahnouni	Homo erectus behavior and adaptation: Reinvestigating the hominin site of Tighennif (formerly Ternifine), Algeria.
H19-03	17:30-17:45	April Nowell	Getting Blood From a Stone: Blood Residue and Use-Wear Analysis of Bifaces from Shishan Marsh 1 (Azraq, Jordan)
H19-04	17:45-18:00	Valentina Villa	CHRONOSTRATIGRAPHY OF PALAEOLITHIC HUMAN SETTLEMENT AT VALLE GIUMENTINA (CENTRAL ITALY)
H19-05	18:00-18:15	Mark J White	Patterns of handaxe distribution in the Thames and more widely: vindication of Derek Roe
H19-06	18:15-18:30	Atsushi Noguchi <i>Invited</i>	Is the Soanian associated with biface? Reevaluation of surface collected assemblages of the Soan Valley
H19-07	18:30-18:45	Parth R Chauhan	The Easternmost Acheulean Record in the Old World
H19-08	18:45-19:00	Hongyan Zhang	Pleistocene Hominin environment along South Luohe River in Eastern Qinling Mountains, central China

29 July (Wed) PM (17:00-19:20)

Oral: [H30] Domestication in eastern Asia (Room 224)

Convener(s): John Dodson, Lucas Heights, Guanghui Dong

H30-01	17:00-17:15	John Dodson	What do we know about domestication in eastern Asia?
H30-02	17:15-17:30	Xinxin Zuo	Rice cultivation and climate change: phytolith evidence from the north flank of Yangtze delta
H30-03	17:30-17:45	Zhongyuan Chen	How did rice domestication begin in the mid-lower Yangtze River basin, China?
H30-04	17:45-18:00	Mingqi Li	New evidences for the cultivation of wheat and (or) barley at approximately 4ka BP in the Gansu Qinghai area of Northwest China
H30-05	18:00-18:15	Guanghui Dong	Archaeobotanical study of the cereal remains from the excavation of the Jinchankou site of late prehistoric period in northeast edge of the Tibetan Plateau, China
H30-06	18:15-18:30	Duowen Mo	The Historical Study and the Theoretical Discussion of the Origin of Agriculture in China
H30-07	18:30-18:45	Yaowu Hu	Provisioning practice of domestic cattle in North China and its importance to the formation of Chinese civilization
H30-08	18:45-19:00	Mingsi Xie	Milk use in Gumugou Cemetery (3800b.p.), Northwest China: a multiple analytical approach for characterizing an organic residue from a grass basket and its implication
H30-09	19:00-19:15	Yan Wu	Phytolith fingerprint of growing domesticated rice by Hainanese since 5655-5590 cal. yr BP on Hainan Island of South China

29 July (Wed) PM (17:00-19:05)

Oral: [H15] Diversification of flora since the late Pliocene (Room 231)

Convener(s): Arata Momohara, Edoardo Martinetto

H15-01	17:00-17:15	Zhe-kun Zhou <i>Invited</i>	Distributions of Tertiary plant relicts shaped by monsoon not by quaternary glaciation
H15-02	17:15-17:30	Ayano Ito	Differentiation process of Fagus crenata based on leaf and cupule morphology since the early Late Miocene in Japan
H15-03	17:30-17:45	Arata Momohara	Stages of major floral changes in Japan and their connection to climate and geomorphological changes since the Pliocene
H15-04	17:45-18:00	Takeshi Saito	Climatic deterioration and pollen floral changes around the Pliocene/Pleistocene boundary: an example from the Tokai Group, central Japan
H15-05	18:00-18:15	Nobuo Ooi	Vegetation changes and plant migrations during Quaternary in Japan
H15-06	18:15-18:30	Chiyomi Yamakawa	Paleovegetational reconstruction of the middle Pleistocene fossil forests from the Kobiwako Group, central Japan

H15-07	18:30-18:45	Kangyou Huang	Vegetation and climate changes from late Pleistocene in subtropical area, Southern China
H15-08	18:45-19:00	SUDARSHAN BHANDARI	Late Quaternary vegetation from the Gokarna Formation of the Kathmandu Valley and its palaeoclimatic signification.

29 July (Wed) PM (17:00-19:20)

Oral: [T09] Urban disaster mitigation using Geoinformatics Database (Room 232-233)

Convener(s): Mamoru Mimura, Askar Zhussupbekov, Keiji Takemura, Naoko Kitada

T09-09	17:00-17:15	Katsumi Kimura	3D shallow-level subsurface geologic model in the coast reclaimed land and loam upland of the Chiba City area facing Tokyo Bay, central Japan
T09-10 <i>Invited</i>	17:15-17:30	Susumu Yasuda	Soil profile models and hazard maps for potential liquefaction-induced damage to houses in Urayasu
T09-11	17:30-17:45	Hiroshi Une	Liquefaction Hazard Mapping using Micro-landform Classification Information
T09-12	17:45-18:00	Shinpei Gotoh	Study of the ocean physical data acquisition before and after the earthquake using the Argo float
T09-13	18:00-18:15	Swee Peng Koay	Reducing Landslides Casualty by IT Technology: A Case Study in Malaysia
T09-14	18:15-18:30	Tomomi Nishigaya	Geological Characteristics as a Factor of Slope Failure in Peninsular Malaysia by Using a Historical Landslide Database
T09-15	18:30-18:45	Aakriti Grover	Seasonal micro-climatic contrasts in Mumbai city: a comparison on winter and summertime temperatures using remote sensing
T09-16	18:45-19:00	An Thi Tran	Flood Extension Mapping and Flood Depth Estimation in Lowland Area in Danang city, Vietnam Using ALOS PALSAR and Topographical data
T09-17	19:00-19:15	Askar Zhagparovich Zhussupbekov	Natural geohazards in Kazakhstan by using of Geoinformation Databases

29 July (Wed) PM (17:00-18:50)

Oral: [T20] Urban soil development (Room 234)

Convener(s): Makiko Watanabe, Takashi Kosaki, Masayuki Kawahigashi, Ganlin Zhang, Charzynski Przemyslaw

T20-01 <i>Invited</i>	17:00-17:15	Jean Louis Morel	Soils of urban ecosystems: characteristics, functions, services, and pedogenic evolution
T20-02	17:15-17:30	Tomoyoshi Murata	Effect of historical man-made alterations on pedogenesis of urban green spaces in Tokyo
T20-03	17:30-17:45	Kimihiro Kida	How does road construction drive soil formation process?
T20-04	17:45-18:00	Bolormaa Oyuntsetseg	Chemical partitioning of trace and major elements in soils from small-scale mining areas, Mongolia
T20-05	18:00-18:15	Myangan Orgilbold	Role of tributaries on water quality of the main river in the Selenge River system
T20-06	18:15-18:30	Hiroaki Sumida	Development of resource recovery technology from plant waste to maintain soil fertility
T20-07	18:30-18:45	Akiko Kumagawa	The characteristic of substrates for roof kitchen garden -Commercial and brand-new recycled substrates-

29 July (Wed) PM (17:00-18:50)

Oral: [C07] Post-glacial drowning of continental shelves (Room 431)

Convener(s): Claire Mellett, Katsuto Uehara, Katrien Van Landeghem, Brian Todd, Timothy Shaw

C07-01 <i>Invited</i>	17:00-17:15	David E Smith	Sea level rise and submarine mass failures
C07-02 <i>Invited</i>	17:15-17:30	Vaughn Barrie	Paleogeographic Reconstruction of the Pacific Northwest Margin of North America: Changing Sea Levels and Sedimentary Processes Reshape a Glaciated Shelf
C07-03	17:30-17:45	Slobodan Miko	Submerged Lake Landscapes of the Eastern Adriatic Shelf

C07-04 17:45-18:00 **James Scourse** Sea level, megatides and rapid deglaciation

29 July (Wed) PM (17:00-18:50)

Oral: [C04] Reconstruction and interpretation of paleo sea level records (Room 432)

Convener(s): Yusuke Yokoyama, Gilbert Camoin, Jody M. Webster, Glenn A. Milne

C04-15	17:00-17:15	Aron J Meltzner	A double-peaked mid-Holocene relative sea-level highstand on the Sunda Shelf, Indonesia
C04-16	17:15-17:30	Tubagus Solihuddin	The variety of records of sea-level during Holocene environmental changes from Kimberley Bioregion, Northwest Australia
C04-17	17:30-17:45	Nicole D Leonard	Holocene relative sea level instability on the Great Barrier Reef, and links to reef 'turn-off' events; high precision U-Th dating of fossil microatolls across a large latitudinal range
C04-18	17:45-18:00	Nicole S Khan	Holocene Sea-Level Database for the Caribbean Region
C04-19	18:00-18:15	Alar Rosentau	Mid-Holocene RSL record based on geological and archaeological proxies from the eastern Gulf of Finland, Baltic Sea
C04-20	18:15-18:30	Benjamin P Horton	RELATIVE SEA-LEVEL CHANGES FROM NEAR-, INTERMEDIATE- AND FAR-FIELD LOCATIONS

31 July (Fri) AM1 (09:00-10:50)**Oral: [S05] Connecting with past environments using tephrochronology (Reception Hall A)**

Convener(s): David J. Lowe, Victoria Smith

S05-01	09:00-09:15	Peter M Abbott <i>Invited</i>	TRACEing Last Glacial Period (25-80 ka b2k) tephra horizons within North Atlantic marine cores
S05-02	09:15-09:30	Kaori Aoki	Quaternary marine tephrostratigraphy and its geochemical character in Beringia
S05-03	09:30-09:45	Mark Hardiman	Tephrochronology as a stratigraphic tool for the Middle Pleistocene of Northern Europe: a new distal volcanic ash record from the North Atlantic (ODP-980)
S05-04	09:45-10:00	Anna J. Bourne	Repeated long-range ash transport from Pacific arc volcanic sources: evidence from the Greenland ice-cores
S05-05	10:00-10:15	Lauren J Davies	Major North American cryptotephra: Characterising key beds from the Holocene of northwestern North America
S05-06	10:15-10:30	Sean D.F. Pyne-O'Donnell	Lateglacial Eruptions Provide High-Precision Continental-Scale Time Horizons
S05-07	10:30-10:45	Adam J Griggs	Visualising tephra sedimentation processes: utilising 2D and 3D sedimentological analysis

31 July (Fri) AM1 (09:00-10:50)**Oral: [P09] Holocene rapid climate changes (Reception Hall B)**

Convener(s): Masanobu Yamamoto, Min-Te Chen, Michinobu Kuwae, Ryuji Asami, Da-Cheng Lin

P09-01	09:00-09:15	Masanobu Yamamoto	Sedimentary record of the Pacific Decadal Oscillation during the last 2900 years
P09-02	09:15-09:30	Kengo Tsuzuki	Trace element in coral recorded strong coupling between Western Pacific Sea Surface Temperature and ENSO and PDO during the 18th century
P09-03	09:30-09:45	William M Buhay	Precise Dating of the 4.2 to 3.9 ka. mid-Holocene Climate Anomaly
P09-04	09:45-10:00	Simon J Armitage	Lake Mega-Chad, a West African Monsoon indicator and tipping element.
P09-05	10:00-10:15	Qing Yang	A quantitative precipitation reconstruction recorded in ^{13}C composition of common millet during 7,700~3,400 yr BP in Guanzhong Basin, NW China
P09-06	10:15-10:30	Chuki Hongo	Increase in intensity of tropical cyclone in the Northwest Pacific at 2000 years ago

31 July (Fri) AM1 (09:00-10:50)**Oral: [P25] Sea ice in the Quaternary (Room 131-132)**

Convener(s): Eric Wolff, Anne de Vernal, Rainer Gersonde, Hugues Goosse, Marit-Solveig Seidenkrantz

P25-01	09:00-09:15	Juliane Mueller <i>Invited</i>	The sea ice proxy IP25 and examples of its application within palaeo sea ice research
P25-02	09:15-09:30	Marit-Solveig Seidenkrantz	Holocene sea-ice variability in the Arctic and Subarctic; proxy data compilation and modelling
P25-03	09:30-09:45	Hugues Goosse	Estimating trends in Antarctic sea ice extent over the last centuries
P25-04	09:45-10:00	Mark Curran	Extending the Law Dome MSA sea ice proxy record: Analysis of modern satellite data (to 2013) and reanalysis of archival satellite imagery.
P25-05	10:00-10:15	Johan Etourneau	A novel approach to study past hydrological and biogeochemical cycles along the Antarctic margins
P25-06	10:15-10:30	Axel Timmermann	The role of sea-ice in Southern Ocean ventilation during the past 800 ka
P25-07	10:30-10:45	Didier M. Roche <i>Invited</i>	Modelling sea-ice in climate models: a palaeo perspective

31 July (Fri) AM1 (09:00-10:50)**Oral: [P21] Tibetan Plateau and arid Central Asia (Room 133-134)**

Convener(s): Fahu Chen, Steffen Mischke, Andrew Henderson

P21-01	09:00-09:15	Arjen P. Stroeven	Paleoglaciacion patterns across eastern Tibet and Central Asia <i>Invited</i>
P21-02	09:15-09:30	Matthias Kuhle	Latest field findings on the prehistoric glaciation of Tibet and its climatic significance: Data from two expeditions in 2013 at the SW-margin and in 2014 into the center of Tibet
P21-03	09:30-09:45	Wei Zhang	Geochronology Constrained Late Quaternary Glaciation on Baimaxue Shan
P21-04	09:45-10:00	Jiu Zhi Cui	The Coupling and Mechanism of Quaternary Glacial-Interglacial Cycles with Tectonic Uplift Processes in the Tibetan Plateau
P21-05	10:00-10:15	Bei bei Liu	Quaternary Glaciers and the Coupling Effect between the Climate Change and Tectonic Uplift on the Mayaxue Shan, Gansu Province, China
P21-06	10:15-10:30	Sigrid Meiners	The history of glaciation in the Misgar Valley, Karakoram
P21-07	10:30-10:45	Hao Long	Holocene moisture variations in the semiarid-arid central Asia, recorded in a sand-dune system from Bayanbulak Basin (Xinjiang, NW China)

31 July (Fri) AM1 (09:00-10:50)**Oral: [P27] Climate changes from lake sediments during late Quaternary (Room 141-142)**

Convener(s): Fujio Kumon, Yoshio Inouchi, Keiji Takemura

P27-01	09:00-09:15	Fujio KUMON	Compilation of total organic carbon (TOC) concentrations of lake sediments in the Japanese islands during the late Quaternary period
P27-02	09:15-09:30	Monika Niska	Environmental Changes from the Eemian (MIS 5e) to Middle Vistulian (MIS 3) Recorded in the Lake-Bog Sediment Succession from Central Poland (Central Europe)
P27-03	09:30-09:45	Koichi Nagayasu	Reconstruction of paleoenvironments based on diatom changes in the late Pleistocene Takano Formation, Nagano, Japan
P27-04	09:45-10:00	Orkhonselenge Alyeksandr	Climate Changes from Lake Sediments in Mongolia during Late Quaternary
P27-05	10:00-10:15	Tomohiko Kigoshi	Reconstruction of paleoclimate in the Japanese islands for the past 160,000 years based on modern analog technique of pollen composition data
P27-06	10:15-10:30	Leszek Marks	Dynamics of Holocene climate change in northeastern Africa recorded in laminated lake sediments from Faiyum Oasis, Egypt
P27-07	10:30-10:45	Dan Hammarlund	Late Holocene expansion of Siberian dwarf pine (<i>Pinus pumila</i>) in Kamchatka in response to increased snow cover as inferred from lacustrine oxygen-isotope records

31 July (Fri) AM1 (09:00-10:50)**Oral: [H26] Climate change and human evolution (Room 221)**

Convener(s): Minoru Yoneda, Ayako Abe-Ouchi, Takashi Oguchi, Yusuke Yokoyama

H26-01	09:00-09:15	Helen M Roberts	A 250,000 year chronology of palaeoenvironmental change from Lake Tana, Ethiopia
H26-02	-	Withdrawn	
H26-03	09:30-09:45	Junyi Ge	Glacial-interglacial variations controlled human activities during the mid-Pleistocene: evidence from the cave records in Guangxi Province, South China
H26-04	09:45-10:00	Angela A Bruch	Early hominid expansion into Southern Europe and paleobotanical evidences of possible climatic constraints
H26-05	10:00-10:15	Gerd-Christian Weniger	Gaps of human occupation in the Western Mediterranean during the MP/UP transition

H26-06	10:15-10:30	Martin Kehl	(Micro)Stratigraphic evidence for occupational gaps in western Mediterranean rock shelter sequences during the MP/UP transition
H26-07	10:30-10:45	Jennifer R Jones	Reconstructing past climates and environments across the Middle-Upper Palaeolithic in the Cantabrian Region of Northern Spain using stable isotope analysis

31 July (Fri) AM1 (09:00-10:50)

Oral: [H32] Geoarchaeology: integrating palaeoenvironmental and archaeological records for ancient landscape reconstruction (Room 222-223)

Convener(s): Rolfe D. Mandel, Lisa-Marie Shillito, Julie Durcan, Robyn Inglis, Kathleen Nicoll

H32-01	09:00-09:15	Timothy P Beach	Paleosols as the golden spike of the Maya Early Anthropocene in the Central American Neotropics
<i>Invited</i>			
H32-02	09:15-09:30	Chuljae Cho	Reconstruction of the paleogeography aided by GIS of the Uemachi Upland and its surrounding lowland, Osaka prefecture, Japan
H32-03	09:30-09:45	YOHAN YC CHABOT	Environmental changes in archaeological context during the Late Holocene: the historic site of Kota Cina (North Sumatra, Indonesia).
H32-04	09:45-10:00	Mike W Morley	Preliminary micromorphological results from Liang Bua, Flores (Indonesia): site formation processes and hominin activity at the type locality of <i>Homo floresiensis</i>
H32-05	10:00-10:15	Kelsie E Long	Using chemical and isotopic records in ancient fish ear stones (otoliths) to construct a detailed chronology of lake level change at Lake Mungo, NSW, Australia
H32-06	10:15-10:30	Patricia C Fanning	Geoarchaeology in action: deconstructing anthropogenic shell mounds from the Cape York region of Australia
H32-07	10:30-10:45	Julie A Durcan	Reconstructing fluvial-aeolian interactions in the Ghaggar floodplain, India: implications for the Harappan civilisation

31 July (Fri) AM1 (09:00-10:50)

Oral: [H22] Long-term palaeoecological perspectives of biodiversity, community dynamics and ecological function (Room 224)

Convener(s): Nicki Whitehouse, Helen Roe, Donatella Magri, Sandra Nogué

H22-01	09:00-09:15	David Nogues-Bravo	Late-Quaternary records to better forecast biodiversity scenarios
<i>Invited</i>			
H22-02	09:15-09:30	Encarni Montoya	WHAT, WHEN AND WHY: Long-term dynamics of a mega-diverse ecosystem in central Ecuador.
H22-03	09:30-09:45	Sonia L. Fontana	Insights into the dynamics of the forest steppe ecotone in the north-east Patagonian Andes, Argentina
H22-04	09:45-10:00	Katie L Loakes	Late Quaternary palaeolimnology and environmental change in the South Wollo Highlands, Ethiopia.
H22-05	10:00-10:15	Norio Kito	Vegetation change since Late Glacial along an elevational gradient in southwestern Hokkaido, Japan
H22-06	10:15-10:30	Mariusz Lamentowicz	Combining multiple proxies and functional traits of plants and microbes to reconstruct past climate and human impact from ombrotrophic peatlands
H22-07	10:30-10:45	Suzanne McGowan	Using chlorophyll and carotenoid pigments to reconstruct Holocene changes in carbon cycling in Arctic lakes

31 July (Fri) AM1 (09:00-10:50)

Oral: [T16] Quaternary evolution of tropical river systems (Room 231)

Convener(s): Rajiv Sinha, Snigdha Ghatak

T16-01	09:00-09:15	Lea Fournier	Ganges-Brahmaputra turbidite system : architecture and modern sedimentary records in the Bay of Bengal
T16-02	09:15-09:30	Rajiv Sinha	Late Quaternary evolution of the Kosi megafan as revealed from sediment cores and luminescence dating
T16-03	09:30-09:45	Manjula Stalin	LATE QUATERNARY GEOMORPHOLOGY OF THE CAUVERY RIVER, INDIA

T16-04	09:45-10:00	Falguni Bhattacharya	Towards understanding the evolution of fluvial landforms in seismically active Katrol Hill Range, Kachchh, Western India
T16-05	10:00-10:15	Snigdha Ghatak	Late Cenozoic Faulting and Climatic influences on Alluvial Sedimentation in Purna Valley, Central India
T16-06	10:15-10:30	Zengjie Zhang	Pb isotopic compositions of detrital K-feldspar of the modern-late Cenozoic sediments in the Yangtze River system

31 July (Fri) AM1 (09:00-10:50)

Oral: [T01] Past hazards along coasts (Room 232-233)

Convener(s): Suzanne Leroy, Charlotte Miller, Pedro Costa

T01-01	09:00-09:15	Osamu Kazaoka	High potential part of liquefaction-fluidization in man-made strata around Tokyo bay, Japan: from geological survey on damaged part at the 2011 off the Pacific coast of Tohoku Earthquake
T01-02	09:15-09:30	Hiroshi Iwamoto	Ground Failures on Reclaimed Land during the 2011 Tohoku Earthquake: A Case Study in Urayasu City, Japan
T01-03	09:30-09:45	Klaus Reicherter	Organic Geochemistry of the Tohoku tsunami deposits of 2011 (Japan)
T01-04	09:45-10:00	Ozlem Bulkan	EVENTS AND CYCLES: GREAT MENDERES FLOODPLAIN (WESTERN ANATOLIA, TURKEY)
T01-05	10:00-10:15	Suzanne A Leroy	Foot print of the early Little Ice Age high-stand along the south coast of the Caspian Sea: the Langarud sediment sequence 11 km far from the present coast line
T01-06	10:15-10:30	Cristina Lira	High-resolution textural analysis of extreme wave event deposits
T01-07	10:30-10:45	Francisco Fatela	Use of Foraminifera as a proxy to characterize onshore and offshore deposits of the AD1755 tsunami in the south of Portugal.

31 July (Fri) AM1 (09:00-10:50)

Oral: [T08] Cryospheric processes (Room 234)

Convener(s): Jane K Hart, Richard Waller

T08-01	09:00-09:15	Jane K Hart	Using Environmental Sensor Networks and Internet of Things (IoT) technology to investigate cryospheric processes
T08-02	09:15-09:30	Marc Oliva	Late Holocene permafrost degradation in Elephant Point (Livingston Island, Antarctica)
T08-03	09:30-09:45	Barbara Woronko	Frost microweathering in the fringe of relict permafrost (NE Poland)
T08-04	09:45-10:00	Eric S Klein	Arctic cyclone water vapor isotopes support past sea ice retreat recorded in Greenland ice

31 July (Fri) AM1 (09:00-10:50)

Oral: [G03] Quaternary human activity: evolving perspectives, climate change, and mitigation strategies (Room 431)

Convener(s): George T. Stone, Joy S. Singarayer, Jan Zalasiewicz, John J. Clague, Jed O. Kaplan, Michael E. Mann, Colin Waters, Mark Williams,

G03-01	09:00-09:15	Jie Zhou	Implications for Evolution of Terrestrial Ecosystem: Biodiversity and Ecological Security
G03-02	09:15-09:30	Pierre Francus	Anthropogenic pressure causes worldwide spread of hypoxia in lakes
G03-03	09:30-09:45	Wei-Ming Wang	Pollen evidence for Middle-Late Palaeolithic environment changes at Xiangbidong Site in Yunnan Province, SW China
G03-04	09:45-10:00	Pastory G. M Bushozi	The influence of environmental fluctuations on human technological and behavioral changes during the Middle Upper Pleistocene: a case of study from Mumba rockshelter northern Tanzania.
G03-05	10:00-10:15	MARIA LAURA CARREVEDO GOYTIA	Subfossil diatoms as indicators of recent environmental changes: a review of records from Central Chile
G03-06	10:15-10:30	Sampat K Tandon	Climate change during the past two millennia: focus on the Indian subcontinent

G03-07 10:30-10:45 **George T Stone** Assessment of Liability for Destructive Externalities of Fossil Fuel Combustion

31 July (Fri) AM1 (09:00-10:50)

Oral: [C05] Asian Monsoon and coastal evolution (Room 432)

Convener(s): Toru Tamura, Yongqiang Zong

C05-01	09:00-09:15	Shouye Yang <i>Invited</i>	Two unique weathering regimes and sediment transport processes in East Asian continental margin
C05-02	09:15-09:30	Jing Chen	Sediment provenance of West Taiwan Strait and its implication for Holocene East Asia Winter Monsoon
C05-03	09:30-09:45	Xiaoyun Li	Marine transgression and sea surface temperature changes in the last interglacial: a record from the southeast coast of China
C05-04	09:45-10:00	Ayako Funabiki	Spatial distribution of water hydrogen/oxygen isotopes and mineral composition of suspended material in the Song Hong and its tributaries
C05-05	10:00-10:15	Takahiro Watanabe	Geochemical study of a sediment core from Lake Pumoyum Co: Implications for past monsoon variability in south Tibetan Plateau
C05-06	10:15-10:30	Rory P Flood <i>Invited</i>	Climatic and monsoonal variability in the lower Ganges-Brahmaputra Delta: evidence from the late Holocene West Bengal Sundarbans
C05-07	10:30-10:45	Bing Song	Mid-Holocene centennial-decadal climate changes recorded in the Changjiang (Yangtze River) delta plain

31 July (Fri) AM2 (11:10-13:00)

Oral: [S05] Connecting with past environments using tephrochronology (Reception Hall A)

Convener(s): David J. Lowe, Victoria Smith

S05-08	11:10-11:25	Christine S Lane <i>Invited</i>	Toward a Late Quaternary tephrostratigraphic framework for connecting East African palaeoenvironmental archives
S05-09	11:25-11:40	Larissa Schneider	The geochemical characterization and correlation of Holocene tephra layers at Lake Kutubu, south-central Papua New Guinea
S05-10	11:40-11:55	Jiaqi Liu	Tephra records of Changbaishan volcano since the mid-Holocene
S05-11	11:55-12:10	Daniel Veres	Geochemical, stratigraphic, and chronological considerations of several Late Quaternary key marker tephras of Carpathian origin
S05-12	12:10-12:25	Rhys G.O Timms	A new tephrostratigraphy for Orkney, Scotland: using cryptotephra to constrain chironomid-derived isotherm maps for the Last Glacial-Interglacial Transition ca.16-8 ka BP.
S05-13	12:25-12:40	Eliza Cook	An improved Tephrochronology Framework for the Greenland ice core records: new cryptotephra deposits and correlations between GS-5 and the Early Holocene
S05-14	12:40-12:55	Thomas P Roland	Towards a late-Holocene tephrochronology for the Antarctic Peninsula

31 July (Fri) AM2 (11:10-13:00)

Oral: [P09] Holocene rapid climate changes (Reception Hall B)

Convener(s): Masanobu Yamamoto, Min-Te Chen, Michinobu Kuwae, Ryuji Asami, Da-Cheng Lin

P09-07	11:10-11:25	Luc Beaufort <i>Invited</i>	ENSO and PDO dynamics in the Northeastern Pacific during the Holocene
P09-08	11:25-11:40	Michinobu Kuwae	Decadal and centennial oscillation in Japanese sardine abundance during the last 2,900 years
P09-09	11:40-11:55	Wataru Sakashita	Influences of the El Nino-Southern and Pacific Decadal Oscillations on the early summer rainfall in central Japan during the past four centuries
P09-10	11:55-12:10	Akane Tsushima	Reconstruction of recent climate change in Alaska from the Aurora Peak ice core, central Alaska
P09-11	12:10-12:25	Willem G.M. Van der Bilt	Rapidly shifting Holocene Arctic climate conditions recorded in a distal glacier-fed lake in Svalbard, Spitsbergen

P09-12	12:25-12:40	Rong Xiang	Holocene Paleoenvironmental changes in Mud Area Southwest off Cheju Island, East China Sea
P09-13	12:40-12:55	Torgeir O. Rothe	Arctic Holocene glacier fluctuations reconstructed from lake sediments at Mitrahavoya, Spitsbergen

31 July (Fri) AM2 (11:10-13:00)

Oral: [P33] Quaternary changes in ocean circulation (Room 131-132)

Convener(s): Andreas Schmittner, Luke Skinner

P33-01	11:10-11:25	Catherine D Bradshaw	The development of modern ocean circulation in the Nordic Seas cannot be explained by major ocean gateways changes
P33-02	11:25-11:40	Paul J Valdes	Enhanced Sensitivity of Glacial Oceans to Model Physics
P33-03	11:40-11:55	Tara A Ingalsbe	Utilizing Paleooceanographic Proxies in the High Latitude North Atlantic to Better Understand Meridional Overturning Circulation Dynamics During the Last Deglaciation
P33-04	11:55-12:10	Ning Zhao	Strong intermediate-depth ventilation in the subpolar North Atlantic and weak Labrador Current during the Younger Dryas
P33-05	12:10-12:25	Yusuke Okazaki	Reconstruction of glacial-deglacial ocean ventilation based on radiocarbon ages of coexisting planktic and benthic foraminifera: a case of NW Pacific
P33-06	12:25-12:40	Didier Swingedouw	Can freshwater input in the Mediterranean Sea impact large-scale climate?
P33-07	12:40-12:55	Pepijn Bakker	Late Holocene centennial scale climate variability caused by instabilities of the Northeast Greenland Ice Stream

31 July (Fri) AM2 (11:10-13:15)

Oral: [P21] Tibetan Plateau and arid Central Asia (Room 133-134)

Convener(s): Fahu Chen, Steffen Mischke, Andrew Henderson

P21-08	11:10-11:25	Frank Lehmkuhl	Humid pulses during the last glacial cycle in the Central Asian deserts of Mongolia: Implications for lake level reconstruction, vegetation development and paleoglaciation
P21-09	11:25-11:40	Xuemei Shao	Temperature variations in the past 2000 years in the northeastern Tibetan Plateau derived from tree ring data
P21-10	11:40-11:55	Liya Jin	Spatial-temporal patterns of summer precipitation in Asian monsoon region and inland central Asia: a model-data synthesis
P21-11	11:55-12:10	Ran Zhang	The impact of regional uplift of the Tibetan Plateau on the South Asian summer monsoon and East Asian winter monsoon
P21-12	12:10-12:25	Guoqiang Li	Holocene shorelines and lake evolution in Ejina Basin, southern Mongolian Plateau, revealed by luminescence dating
P21-13	-	Withdrawn	
P21-14	12:40-12:55	Jia Jia	East Asian monsoon evolution during the Eemian, as recorded in the western Chinese Loess Plateau
P21-15	12:55-13:10	Fahu Chen	Persistent Holocene Wetting Trend with the Wettest Late-Holocene Climate in Arid Central Asia Evidenced by Loess-Paleosol Sequence in Xinjiang, China

31 July (Fri) AM2 (11:10-13:00)

Oral: [P27] Climate changes from lake sediments during late Quaternary (Room 141-142)

Convener(s): Fujio Kumon, Yoshio Inouchi, Keiji Takemura

P27-08	11:10-11:25	Wei Chen	Vegetation history with implication of human impact over the last 8000 years in the Lake Nanyihu area, Anhui Province, East China
P27-09	11:25-11:40	Jing Wu	Vegetation change since the last deglaciation in the Great Khingan Mountain, northeastern China
P27-10	11:40-11:55	Li Jia Liu	The paleoclimate recorded by the n-alkanes and bulk organic carbon isotopic from the lake sediments of Sifangshan in Inner Mongolia, Northeast China, since the Last Deglaciation

P27-11	11:55-12:10	Tasuku Urabe	Paleoenvironment analysis based on total organic carbon contents of sediment cores from the Japan Sea and its application for the local chronostratigraphy in the late Quaternary
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31 July (Fri) AM2 (11:10-13:00)

Oral: [H26] Climate change and human evolution (Room 221)

Convener(s): Minoru Yoneda, Ayako Abe-Ouchi, Takashi Oguchi, Yusuke Yokoyama

H26-08	11:10-11:25	Minoru Yoneda	Testing the hypothesis on cognitive evolution of modern humans' learning ability in light of past-climatic changes.
H26-09	11:25-11:40	Yasuhisa Kondo	A combination of ecological niche models and cost surface analysis figures out routes and rapidity of the dispersal of early modern humans
H26-10	11:40-11:55	Yuta Isaji	Terrestrial environmental changes around the Gulf of Aden over the past 210 kyr: Implications for the dispersal of Homo sapiens based on the sediment n-alkane record
H26-11	11:55-12:10	Miriam Belmaker	The environment in the Caucasus in the Upper Paleolithic: Evidence from the Micromammals from Dzudzuana cave, Georgia
H26-12	12:10-12:25	Mordechai Stein	The environmental settings of Homo Sapiens dispersion and the Neolithic Revolution in the Dead Sea Rift Valley
H26-13	12:25-12:40	Kaori Adachi	Diversity and sustainability of regional communities in northern Tohoku, Japan, during the Middle-Late Jomon periods

31 July (Fri) AM2 (11:10-13:00)

Oral: [H32] Geoarchaeology: integrating palaeoenvironmental and archaeological records for ancient landscape reconstruction (Room 222-223)

Convener(s): Rolfe D. Mandel, Lisa-Marie Shillito, Julie Durcan, Robyn Inglis, Kathleen Nicoll

H32-08	11:10-11:25	Qianli Sun	Human adaptations to monsoon climate and local topographic changes since the mid-Holocene in Daihai lake basin, north-central China: A geo-archaeological perspective
H32-09	11:25-11:40	Robyn H Inglis	Landscape Evolution, Taphonomy, Palaeolithic Archaeology and Early Hominins in Southwest Saudi Arabia
H32-10	11:40-11:55	Rolfe D. Mandel	Geoarchaeology of Ais Yiorkis, An Upland Early Aceramic Neolithic Site in Southwestern Cyprus: Evidence for Human-Environment Interactions
H32-11	11:55-12:10	Kathleen Nicoll	Geoarchaeology of Umm Akhtar Playa: Emerging Chronologies for Quaternary Palaeoenvironments of Southern Egypt
H32-12	12:10-12:25	Jennifer E Sherriff	The application of stable isotope (O and C) analysis of freshwater carbonates for understanding the palaeoenvironmental context of hominin occupation during Marine Oxygen Isotope Stage 11 in the British Isles
H32-13	12:25-12:40	Klaus D Oeggl	The formative effect of prehistoric mining on the vegetation of the Eastern Alps
H32-14	12:40-12:55	Paul C Lincoln	Assessing geomorphic response to rapid climatic change during the Last Glacial-Interglacial Transition (18-8ka BP): An overview from the Vale of Pickering, northeast England

31 July (Fri) AM2 (11:10-13:00)

Oral: [H22] Long-term palaeoecological perspectives of biodiversity, community dynamics and ecological function (Room 224)

Convener(s): Nicki Whitehouse, Helen Roe, Donatella Magri, Sandra Nogué

H22-08	-	Withdrawn	
H22-09	11:25-11:40	Alexander Florez Rodriguez	Differential response of Holartic mammal guilds to past climate change
H22-10	11:40-11:55	Georgina Milne	Do climate niches remain stable through time?
H22-11	11:55-12:10	Philip I Buckland	Explaining Late Quaternary beetle extinctions in the UK using palaeoenvironmental databases for quantitative environmental reconstruction

H22-12	12:10-12:25	Konstantinos Giampoudakis	Pathways to extinction: lessons from the Pleistocene for the future
H22-13	12:25-12:40	Kenny J Travouillon	Fossil bandicoots and bilbies from Quaternary cave deposits of north-eastern Australia: implications for understanding climatic changes and extinction dynamics in the late Pleistocene
H22-14	12:40-12:55	Christine Hertler	An integrative initiative towards modelling hominin environments and dispersals in Europe during the Mid-Pleistocene Revolution (1.2 to 0.4 Ma)

31 July (Fri) AM2 (11:10-13:00)

Oral: [T02] Palaeohydrology and fluvial archives (Room 231)

Convener(s): Gerardo Benito, David Bridgland, Stéphane Cordier, Juergen Herguet

T02-01	11:10-11:25	David R Bridgland	Coupling between crustal processes and climate: the influence of patterns of climatic fluctuation on long-timescale landscape evolution
<i>Invited</i>			
T02-02	11:25-11:40	Mathieu Duval	On the interest of using ESR dating method applied to optically bleached sedimentary quartz grains in fluvial context: some examples from the Early Pleistocene terraces of the Alcanadre River (Spain)
T02-03	11:40-11:55	Zhenbo Hu	Cracking the middle reach of the Yellow River running eastward across the Ordos Plateau and North China Plain
T02-04	11:55-12:10	Gilles Rixhon	Contrasted long-term river incision rates inferred from depth profile and burial dating (Al-26/Be-10) in the Meuse catchment (Belgium): new insights into Late Cenozoic tectonic uplift of the Ardennes massif
T02-05	12:10-12:25	Anne E Mather	Exploring the impact of tectonically driven drainage re-routing on flood magnitude in a Quaternary fluvial terrace record
T02-06	12:25-12:40	Xianyan Wang	Climate-dependent fluvial architecture and processes at suborbital timescale: an example from the NE Tibetan Plateau
T02-07	12:40-12:55	Jose Luis Antinao	The role of tropical cyclones on fluvial processes in southern Baja California, Mexico based on Late Pleistocene-Holocene alluvial stratigraphy

31 July (Fri) AM2 (11:10-13:00)

Oral: [T21] Assessing the earthquake and tsunami risks using geologic records (Room 232-233)

Convener(s): Osamu Fujiwara, Jessica E. Pilarczyk, Takashi Azuma, Tina Dura, Andrea D. Hawkes

T21-01	11:10-11:25	Takashi Azuma	Increase of the inland earthquakes hazards after the huge subduction earthquakes
T21-02	11:25-11:40	Yoko Ota	Potential paleo-tsunami records around the eastern Taiwan area
T21-03	11:40-11:55	Philipp Kempf	Semi-quantitative paleotsunamology: a coastal lake case study from Chiloe Island, south central Chile
T21-04	11:55-12:10	Tina Dura	2000-year record of nine tsunamis and associated seismic land-level change, south-central Chile
T21-05	12:10-12:25	Yugo Nakamura	Local correlation of sandy paleo-tsunami layers focusing on particle size and mineral composition
T21-06	12:25-12:40	Yuichi Nishimura	THE INFLUENCE OF VEGETATION AND MICROTOPOGRAPHY ON TSUNAMI DEPOSITS
T21-07	12:40-12:55	Ed Garrett	Progress in paleoearthquake and paleotsunami research along the Nankai Trough following the 2011 Tohoku earthquake

31 July (Fri) AM2 (11:10-13:30)

Oral: [T15] Sackung (sagging) and landslide (Room 234)

Convener(s): Satoru Kojima, Yoshihiko Kariya, Heitaro Kaneda

T15-01	11:10-11:25	Heitaro Kaneda	Seismic impact on long-term gravitational slope deformation
T15-02	11:25-11:40	Masahiro Chigira	Deep-seated gravitational slope deformation induced by fluvial incision
<i>Invited</i>			

T15-03	11:40-11:55	Reginald L Hermanns	Understanding long-term gravitational rock slope deformation and relation to catastrophic failure by means of terrestrial cosmogenic nuclide dating in Norway
<i>Invited</i>			
T15-04	11:55-12:10	Satoru Kojima	Geomorphology, geologic structure, and development history of deep seated gravitational slope deformation features in the Kanmuriyama area, central Japan
T15-05	12:10-12:25	Ryo Endo	The relationship between linear depressions and glacial topography in Kiso Mountain Range, central Japan
T15-06	12:25-12:40	Natsuki Sasaki	Distribution and development of wetlands in Hachimantai Volcanic Group, NE Japan: relations with landslides
T15-07	12:40-12:55	Takeyuki Ueki	Chronology of large landslides in the Kii Peninsula, Outer Zone of Southwest Japan
T15-08	12:55-13:10	Marc Ostermann	Characterisation, dating and impacts of two Holocene rockslide clusters in the Eastern Alps - The Fernpass Cluster and the Brenner Pass Cluster
T15-09	13:10-13:25	Jordi Corominas	The landslide of El Forn: a survivor of the late Pleistocene glacier activity in the Pyrenees

31 July (Fri) AM2 (11:10-13:15)

Oral: [C10] SHELVES (Room 431)

Convener(s): J. Vaughn Barrie, Till J.J. Hanebuth, Francisco J. Lobo, Helenice Vital

C10-01	11:10-11:25	Domenico Ridente	Geomorphic stratigraphy of the Southern Tyrrhenian shelf along the tectonically-active Calabria-Peloritani Arc (Southern Italy). A multi-scale perspective
C10-02	11:25-11:40	Vaughn Barrie	Crustal fault and submarine slide-triggered tsunamis along the continental shelf of the Pacific Northwest of North America: An unappreciated risk
C10-03	11:40-11:55	Alar Rosentau	Sea-level change and Stone Age shore-bounded settlements in the eastern coast of the Baltic Sea
C10-04	11:55-12:10	Fabrizio Antonioli	Relative sea-level change along the Italian coast during the late Holocene and projections for 2100: Coastal plain impacts based on high-resolution DTMs and geodetic data
C10-05	12:10-12:25	Seong-Pil Kim	Quaternary sea level changes and their influence on the marine resource potential
C10-06	12:25-12:40	Rokiah Suriadi	NEW EVIDENCE FOR EARLY HOLOCENE TRANSGRESSION ON THE SUNDA SHELF, OFFSHORE EASTERN PENINSULAR MALAYSIA
C10-07	12:40-12:55	Helenice Vital	Monitoring sediment cover of a tropical continental shelf under influence of oil industry: Potiguar Basin case study
C10-08	12:55-13:10	Lorna D Linch	Iceberg ploughing of shelf sediments during the Holocene, East Greenland: informing offshore engineering and palaeoenvironmental reconstruction

31 July (Fri) AM2 (11:10-13:00)

Oral: [C05] Asian Monsoon and coastal evolution (Room 432)

Convener(s): Toru Tamura, Yongqiang Zong

C05-08	11:10-11:25	Zhen Li	Palynological records of a mangrove succession during the last 4000 years on the coastal area of Yingluo Bay, the northern South China Sea
C05-09	11:25-11:40	Jaesoo Lim	Holocene environmental change at the southern coast of Korea and its link to monsoon and sea-level changes
C05-10	11:40-11:55	Toru Tamura	The Asian winter monsoon: an agent to modulate coastal evolution?

31 July (Fri) (15:50-16:15)

Plenary: [PL6] Plenary Lecture (SHIROTORI HALL)

PL-06	Haruko Sekiguchi	Utilizing results of Quaternary studies to predict earthquake scenarios and resultant ground motion of future earthquakes
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31 July (Fri) (16:15-16:40)**Plenary: [PL7] Plenary Lecture (SHIROTORI HALL)**

PL-07	Kenji Satake	Giant Tsunamis in the Holocene: Geological and Historical Evidence and Geophysical Modeling
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31 July (Fri) PM (17:00-19:20)**Oral: [S04] Connecting with natural hazards and archaeology using tephrochronology (Reception Hall A)**

Convener(s): Takehiko Suzuki, Christine Lane

S04-01	17:00-17:15	Brent V Alloway <i>Invited</i>	No small feet: Tracing the footsteps of Southeast Asia's earliest hominins using tephrochronology
S04-02	17:15-17:30	Elizabeth J Watson	Cryptotephra layers as records of volcanic ash over northern Europe
S04-03	17:30-17:45	Felix Riede	Reevaluating the medial and distal human impacts of the Laacher See eruption and its tephra fallout (13ka BP)
S04-04	17:45-18:00	Mitsuhiro K	Regional variability in large-scale volcanic disaster focusing on the Kikai-Akahoya eruption(ca.7.3 ka cal BP) in Japan
S04-05	18:00-18:15	Hisatoshi Ito	Simultaneous U-Pb and U-Th zircon dating for Quaternary tephros
S04-06	18:15-18:30	Fumikatsu NISHIZAWA	Tephrochronological study on Middle Pleistocene ignimbrites in the Futami Basin, west-central Kyushu, Japan
S04-07	18:30-18:45	Hiroshi Moriwaki	Late Pleistocene and Holocene crustal movements of the caldera volcanic fields in southern Japan in the light of tephrochronology
S04-08	18:45-19:00	Takehiko Suzuki	Identification of early to middle Pleistocene widespread tephros from Northeast Japan in Kanto, Central Japan: tie point for the stratigraphy of tephros from whole of Japanese Islands
S04-09	19:00-19:15	Yasuhisa Tajima	Development of Kamiide alluvial fan correlated volcanic eruptions on the western foot of Fuji volcano

31 July (Fri) PM (17:00-18:50)**Oral: [P09] Holocene rapid climate changes (Reception Hall B)**

Convener(s): Masanobu Yamamoto, Min-Te Chen, Michinobu Kuwae, Ryuji Asami, Da-Cheng Lin

P09-14	17:00-17:15	Hodaka Kawahata	Environmental change and its influence on human society in Japan during the last 3000 years
P09-15	17:15-17:30	Yuki Ota	Environment reconstruction by coastal sediment core from Andaman Sea and relationship with human activity
P09-16	17:30-17:45	Ana Moreno	Holocene climate variability on land and marine records from the Western Mediterranean region
P09-17	17:45-18:00	Deke Xu	500-year climate cycles stacking of recent centennial warming documented in an East Asian pollen record
P09-18	18:00-18:15	Kim M Cohen	Worldwide delta initiation, the beginning of the 8.2-ka event, and the base of the Middle Holocene
P09-19	18:15-18:30	Liangcheng Tan	High-resolution monsoon precipitation variations in southwest China during the last 2300 years as revealed by speleothem records

31 July (Fri) PM (17:00-19:05)**Oral: [P10] Marine paleoclimate proxies (Room 131-132)**

Convener(s): Rajeev Saraswat, Rajiv Nigam, David W. Lea, Qingyun Nan

P10-01	17:00-17:15	Max D Holloway <i>Invited</i>	Reconstructing Paleosalinity from $\delta^{18}\text{O}$ during the Last Glacial Maximum, Last Interglacial and Late Holocene
P10-02	17:15-17:30	Stewart Fallon <i>Invited</i>	Isotopic and Elemental Ratios from Porites coral cores along a natural pH gradient
P10-03	17:30-17:45	Zhongshi Zhang	Increased ventilation of Antarctic deep water during the warm mid-Pliocene
P10-04	17:45-18:00	Harry-L. O. McClelland	Calcite time-capsules preserve a molecule-specific record of pCO_2 : A glacial/interglacial calibration.

P10-05	18:00-18:15	Helena L. Filipsson	Benthic foraminifera cultured over a large salinity gradient: first results and comparison with field data from the Baltic Sea
P10-06	18:15-18:30	Anchun Li	High-resolution proxies of Holocene Asian winter monsoon evolution from mud deposits of the East China Sea Inner shelf
P10-07	-	Withdrawn	
P10-08	18:45-19:00	Rong Wang	Provenance and dispersal of terrigenous sediments in the North Pacific and Bering Sea: Implications for far-distant aeolian supply and regionally confined sedimentary processes

31 July (Fri) PM (17:00-19:20)

Oral: [P21] Tibetan Plateau and arid Central Asia (Room 133-134)

Convener(s): Fahu Chen, Steffen Mischke, Andrew Henderson

P21-16	17:00-17:15	Sergey K Krivonogov	Changes of the Aral Sea lake level during the last two thousand years
P21-17	17:15-17:30	Xiaomin Fang	Plio-Quaternary stepwise aridification of the Asian inland: multi-proxy records from a 938.5m drill core in the western Qaidam Basin, NE Tibet Plateau
P21-18	17:30-17:45	JunQing YU	Environmental and climatic change since the LGM in the westerlies-dominated arid region, northern Qinghai-Tibet Plateau: Implications from salt lake deposits in the Qaidam Basin, China*
P21-19	17:45-18:00	Shimrit Maman	Karakum and Kyzylkum sand seas dynamics; mapping and palaeoclimatic interpretations
P21-20	18:00-18:15	Chunmei Ma	Late Quaternary vegetation history in the Qilian Mountains, China, derived from pollen records of Hala Lake sediments
P21-21	18:15-18:30	Cheng-Bang An	temperature changes and its relationship with dust in arid central Asia
P21-22	18:30-18:45	Liping Zhu <i>Invited</i>	Different drivers of climate change on the Tibetan Plateau since the LGM
P21-23	18:45-19:00	Andrew C G Henderson	A high-resolution lake sediment record of Indian summer monsoon variability from southern Tibet
P21-24	19:00-19:15	Xiaozhong Huang	Vegetation and climate history reconstructed from an alpine lake in central Tianshan Mountains since 8.5 ka BP

31 July (Fri) PM (17:00-19:05)

Oral: [P35] Magnetic proxies retracing environmental variations and geomagnetic field changes (Room 141-142)

Convener(s): Vadim A. Kravchinsky, Tianshui Yang, Simo Spassov

P35-01	17:00-17:15	France Lagroix <i>Invited</i>	Loess magnetism to climate connection: where do we go from here?
P35-02	17:15-17:30	Tianshui Yang	New insights into the reliability of the paleomagnetic records in Chinese loess
P35-03	17:30-17:45	Hirokuni Oda	Discrimination of primary remanent magnetization from mixed polarity interval during Matuyama-Brunhes polarity transition in Boso Peninsula
P35-04	17:45-18:00	Akira Hayashida	A Holocene paleomagnetic secular variation record from the Ichi-no-megata marr, northeast Japan
P35-05	18:00-18:15	Junsheng Nie <i>Invited</i>	Pacific freshening drives Asian monsoon intensification and onset of the Quaternary Ice Age
P35-06	18:15-18:30	Xianbin Liu	Magnetic properties used as the provenance tracer to identify the Yangtze River connecting the East China Sea
P35-07	18:30-18:45	Rene W. Barendregt	Correlation and Disparities of Late Neogene Glacial/Interglacial Histories in Cordilleran North and South America: Magnetostratigraphy and Radiometric Ages
P35-08	18:45-19:00	Kazuo Kawasaki	Environmental magnetic studies of roadside pollution in the restricted Kobo-Midagahara area of Mt. Tateyama, Toyama, Japan.

31 July (Fri) PM (17:00-19:20)**Oral: [H11] Chronology in human evolutionary studies (Room 221)**

Convener(s): Shuji Matsu'ura, Yousuke Kaifu, Megumi Kondo

H11-01	17:00-17:15	Irka Hajdas	Review of recent treatment methods in AMS radiocarbon dating
H11-02	17:15-17:30	Jia-Fu Zhang	Luminescence and radiocarbon dating of the Wulanmulun and Shiyu Palaeolithic sites in northern China
H11-03	17:30-17:45	Xuefeng Sun	Dating Early, Middle, and Late Pleistocene Paleolithic sites in South Luo River and Han River around Qinling Mountains, central China
H11-04	17:45-18:00	Kira E Westaway	Multiple techniques modelled; constructing a chronology for modern human presence in Sumatra
H11-05	18:00-18:15	Christoph Schmidt	Tracing Palaeolithic modern human presence in the Romanian Carpathians by luminescence methods
H11-06	18:15-18:30	Hideki Iwano	Evaluation of U-Pb ages for Quaternary zircon using a laser ablation-ICP-mass spectrometry technique: Towards fission-track and U-Pb multichronology
H11-07	18:30-18:45	Hisao KUMAI	Geology of Sangiran Area, Indonesia
H11-08	18:45-19:00	Yousuke Kaifu	Is Sambungmacan Homo erectus contemporaneous with or older than Ngandong Homo erectus?
H11-09	19:00-19:15	Gen Suwa	Chronology of the earliest Acheulean and its relationship to emergence of Homo erectus

31 July (Fri) PM (17:00-18:50)**Oral: [H32] Geoarchaeology: integrating palaeoenvironmental and archaeological records for ancient landscape reconstruction (Room 222-223)**

Convener(s): Rolfe D. Mandel, Lisa-Marie Shillito, Julie Durcan, Robyn Inglis, Kathleen Nicoll

H32-15	17:00-17:15	Wiebke Bebermeier	The challenge of integrated approaches in geoarchaeology. Some insights from the introduction of iron as new raw material in the Early Iron Age
H32-16	17:15-17:30	Frank Schluetz	Environmental change caused by the Early Bronze Age settlement Fidvar near Vrable, SW Slovakia
H32-17	17:30-17:45	Notbuga Wahlmueller	Paleoecology of the Fiave-basin in North Italy: Land use changes during the Migration Period
H32-18	17:45-18:00	John F Carson	Human-climate-vegetation interactions during the mid to late Holocene in the geometric earthwork region of Bolivian Amazonia.
H32-19	18:00-18:15	Hando-Laur Habicht	A GIS-based Predictive Modelling Approach for Searching Shore-bounded Stone Age Settlement Sites in the Coastal Regions of the Baltic Sea.
H32-20	18:15-18:30	Richard K. Dunn	Landscape Use And Evolution In Easter Island's Statue Quarry: Geological Mapping, Coring, And Paleobotanical Analyses Contextualize Recent Excavations
H32-21	18:30-18:45	Ciprian F. Ardelean	A Younger Dryas black mat from Ojo de Agua, Zacatecas, northern Mexico. Chronostratigraphic markers, palaeoenvironmental indicators and prehistoric archaeology

31 July (Fri) PM (17:00-18:50)**Oral: [H22] Long-term palaeoecological perspectives of biodiversity, community dynamics and ecological function (Room 224)**

Convener(s): Nicki Whitehouse, Helen Roe, Donatella Magri, Sandra Nogué

H22-15	17:00-17:15	Donatella Magri	Quaternary disappearance of tree taxa from South Europe: timing and trends
H22-16	17:15-17:30	Nicki J. Whitehouse	Long term patterns of saproxylic community biodiversity and extinction
H22-17	17:30-17:45	Thomas Giesecke	Extracting patterns and dynamics of European vegetation change from interpolated maps over the last 15 ka based on the European Pollen Database

H22-18	17:45-18:00	Shinya Sugita	Patterns and processes of the landscape-scale changes in Holocene vegetation in SE Estonia
H22-19	18:00-18:15	Craig Woodward	The impact of deforestation on global wetland hydrology
H22-20	18:15-18:30	Mary E Edwards	Testing the effectiveness of lacustrine DNA as a vegetation proxy
<i>Invited</i>			
H22-21	18:30-18:45	Bastian Niemeyer	Assessing arctic flora composition in the Siberian treeline ecotone by vegetation mapping, pollen analyses and sedimentary DNA metabarcoding

31 July (Fri) PM (17:00-18:50)

Oral: [T02] Palaeohydrology and fluvial archives (Room 231)

Convener(s): Gerardo Benito, David Bridgland, Stéphane Cordier, Juergen Herguet

T02-08	17:00-17:15	Daniela Mueller	Palaeohydrological implications derived from fluvial archives of the Riverine Plains, Southeastern Australia
T02-09	17:15-17:30	Rein Vaikmaa	Recharge and preservation of Scandinavian Ice Sheet melt water in the Baltic Artesian Basin (BAB)
T02-10	17:30-17:45	Jianyao Chen	Paleoclimatical signals from large aquifers: an overview of G@GPS IFG
T02-11	17:45-18:00	Juergen Herguet	Formation, growth and outburst flood of Lake Mashey, Altai Mountains, Siberia
<i>Invited</i>			
T02-12	18:00-18:15	Kyoko S. Kataoka	Gigantic intra-caldera lake outburst floods in Japan
T02-13	18:15-18:30	Lothar Schulte	Paleofloods in the Bernese Alps, Switzerland. Frequencies, mechanisms and climate forcing
T02-14	18:30-18:45	Gerardo Benito	Spatial and temporal variability of Holocene hydrological extreme events in Europe and North Africa

31 July (Fri) PM (17:00-18:50)

Oral: [T21] Assessing the earthquake and tsunami risks using geologic records (Room 232-233)

Convener(s): Osamu Fujiwara, Jessica E. Pilarczyk, Takashi Azuma, Tina Dura, Andrea D. Hawkes

T21-08	17:00-17:15	Yoshiki Sato	Middle to Late Holocene environmental changes in the incised valleys around Lake Hamana suggesting the great earthquakes along Nankai Trough
T21-09	17:15-17:30	Osamu Fujiwara	Holocene coastal deformation of the Hamamatsu plain related to the great earthquakes along the eastern Nankai Trough
T21-10	17:30-17:45	Masanobu Shishikura	History of past great earthquakes along the Nankai Trough, deduced from various geological records in the southern part of the Kii Peninsula, Japan
T21-11	17:45-18:00	Jessica E Pilarczyk	Geologic evidence of tsunamis impacting coastlines adjacent to the southern part of the Japan Trench: a case study from the Kujukuri Beaches, Japan
T21-12	18:00-18:15	Ken Ikehara	Deep-sea turbidite evidence on the recurrence of large earthquakes along the northern Japan Trench
T21-13	18:15-18:30	Yoshihiro Ganzawa	Evaluation of fault attained temperature and age using sensitivity change in OSL SAR method

31 July (Fri) PM (17:00-18:50)

Oral: [T23] Combining lacustrine, palaeopedological and other palaeo-environmental archives (Room 234)

Convener(s): Daniela Sauer

T23-01	17:00-17:15	Hong Wang	Integration of loess/dune-paleosol, glaciofluvial, and lacustrine-marl records for ice margin dynamics and climate variability near the retreating Laurentide Ice Sheet in Illinois, USA
T23-02	17:15-17:30	Maria Ivanovna Dergacheva	The Shestakovo Late Pleistocene-Holocene section in Western Siberia: new data and evolution of formation conditions
T23-03	17:30-17:45	Nikolina Ilijanic	Sediment sequence in Bokanjacko blato (Croatia) as paleoenvironmental archives of changes through the Quaternary

T23-04	17:45-18:00	Sigrun D Eddudottir	Climate-driven Holocene vegetation dynamics in Austur-Hunavatnssysla, Northwest Iceland
T23-05	18:00-18:15	Antonio Maldonado	High altitude vegetation and climate change of the Subtropical Andes of Chile (32S) during the last 15ka
T23-06	18:15-18:30	Peter Ndubuisi Eze	Towards a Robust Nomenclature and Classification for South African Palaeosols
T23-07	18:30-18:45	RAVISH LAL SANKHLA	Provenance study as an indicator of the rapid climate-tectonic interaction during Late Quaternary- a case study from the Spituk deposit, Leh-Ladakh, India

31 July (Fri) PM (17:00-18:50)

Oral: [C08] Ice-sheet variability in warm climates: geologic records and model simulations (Room 431)

Convener(s): Anders E. Carlson, Alan C. Mix, Tina van De Flierdt, Nicolaj K. Larsen, Jeremy S. Hoffman

C08-01	17:00-17:15	Benoit S Lecavalier	A warmer High Arctic Holocene Thermal Maximum and its implications for North Greenland
C08-02	17:15-17:30	Anders E Carlson	Into an Ice Age: The Role of Subglacial Chemical Denudation in Atmospheric Carbon Dioxide Drawdown
C08-03	17:30-17:45	Heiko Goelzer	Climate, ice sheet and sea-level changes during the Last Interglacial
C08-04	17:45-18:00	Andrea Dutton	Evidence for magnitude and timing of sub-orbital sea level oscillations during MIS 5e
C08-05	18:00-18:15	Alexander Robinson	Transient simulations of the Greenland ice sheet contribution to sea level during MIS-11
C08-06	18:15-18:30	Rajarshi Roychowdhury	Eccentricity forcing and preconditioning of unusually warm superinterglacials
C08-07	18:30-18:45	Rovere Alessio	Mid-Pliocene (3 Ma) relative sea level markers around the world: searching for eustasy

31 July (Fri) PM (17:00-18:50)

Oral: [P05] Climate change in the tropical South Pacific during the Late Quaternary (Room 432)

Convener(s): David Sear, Julian Sachs, Kim M. Cobb, John Chiang, Pete Langdon

P05-01	17:00-17:15	Pedro N. DiNezio	Simulating the effect of glacial sea level on Indo-Pacific climate
P05-02	17:15-17:30	Kaoru Kubota	Larger CO ₂ source at the equatorial Pacific during the last deglaciation reconstructed from boron isotopes of Tahitian corals
P05-03	17:30-17:45	Jonathan D Hassall	Reconstructing Holocene palaeoclimate in the South Pacific from terrestrial sediment archives.
P05-04	17:45-18:00	Christina Karamperidou	Altered ENSO flavors during the mid-Holocene: hierarchical modeling and proxy synthesis.
P05-05	18:00-18:15	Kim M Cobb	Central tropical Pacific temperature and hydrological trends over the last millennium
P05-06 <i>Invited</i>	18:15-18:30	Jessica L Conroy	The mean state of the tropical Pacific on multidecadal to centennial timescales: strength of the Bjerknes feedback and ENSO influences
P05-07 <i>Invited</i>	18:30-18:45	Melinda S. Allen	Analysing Prehistoric Societal Responses to Climate Change in the South Pacific: Key Challenges and Opportunities

01 August (Sat) AM1 (09:00-10:50)**Oral: [S01] Early-Middle Pleistocene transition: local records, global correlations (Reception Hall A)**

Convener(s): Martin J. Head, Philip L. Gibbard, Hisao Kumai, Brad Pillans

S01-01	09:00-09:15	Martin J Head	The Early-Middle Pleistocene transition, and progress towards defining the Lower-Middle Pleistocene Subseries boundary
S01-02	09:15-09:30	Yusuke Suganuma <i>Invited</i>	Lithology and chronostratigraphy of the marine sequence at the Chiba section, central Japan: a well exposed Lower-Middle Pleistocene boundary succession
S01-03	09:30-09:45	Luca Capraro	A new high-resolution record of the Early/Middle Pleistocene transition from the Valle di Manche section (Southern Italy)
S01-04	09:45-10:00	Francesco Toti	Vegetation dynamics during the Early-Middle Pleistocene Transition at Montalbano Jonico, southern Italy
S01-05	10:00-10:15	Maria Marino	The Montalbano Jonico section (South Italy) as a reference for the Early/Middle Pleistocene boundary
S01-06	10:15-10:30	Sebastien Nomade	High resolution ^{18}O stratigraphy along the MIS 19 in Montalbano Jonico (Basilicata, southern Italy): Exploring the land-ocean linkages during a low eccentricity interglacial
S01-07	10:30-10:45	Maria Rita Palombo	Diachronicity and asynchronicity of appearance-disappearance bioevents in South Europe during the Mid-Pleistocene Revolution: Implications for the biochronological assessment and correlation of mammalian faunas

01 August (Sat) AM1 (09:00-10:50)**Oral: [P09] Holocene rapid climate changes (Reception Hall B)**

Convener(s): Masanobu Yamamoto, Min-Te Chen, Michinobu Kuwae, Ryuji Asami, Da-Cheng Lin

P09-20	09:00-09:15	Min-Te Chen	Surface hydrographic changes in the western Pacific marginal seas during the Holocene
P09-21	09:15-09:30	Ryuji Asami	Paleoclimate records in a long-lived coral from Okinoerabu-jima, Ryukyu Islands
P09-22	09:30-09:45	Hong-Chun Li	Climate and vegetation changes during the past 2300 years reflected by stalagmite records from caves in Nanning, Guangxi Province of South China
P09-23	09:45-10:00	Hiroyuki Takata	Environmental responses to the East Asian Monsoon in Aso-kai Lagoon, central Japan, AD 700-1600
P09-24	10:00-10:15	Akihiro Kano	East Asian winter monsoon variability recorded in a Holocene stalagmite from the Japan Sea side of the Japanese Island
P09-25	10:15-10:30	Asadusjjaman Suman	Late Holocene temperature variability in Victoria, Australia: inferred from borehole temperature data
P09-26	-	Withdrawn	

01 August (Sat) AM1 (09:00-10:50)**Oral: [P26] Global expression of Quaternary North Atlantic climate variability (Room 131-132)**

Convener(s): Stephen Obrochta, Yusuke Yokoyama, Jun'ichiro Kuroda

P26-01	09:00-09:15	Axel Timmermann	Global marine teleconnections of Dansgaard-Oeschger variability
P26-02	09:15-09:30	Syee Weldeab <i>Invited</i>	Insights into millennial scale Atlantic thermohaline circulation instabilities from a the tropical Ocean Atlantic climate archive
P26-03	09:30-09:45	Henning A. Bauch	Systematic cold climate variability during Pleistocene glaciations
P26-04	09:45-10:00	Sune O. Rasmussen <i>Invited</i>	A multi-core high-resolution ice-core account of abrupt climatic changes during the most recent glacial period with potential imprint of Heinrich Events
P26-05	10:00-10:15	Kenji Kawamura	Relationship between climatic variability and mean climatic state over the past eight glacial cycles

P26-06	10:15-10:30	Jo Brendryen	Ocean-Ice sheet interactions in the Norwegian Sea and teleconnections to low latitude hydrology and atmospheric circulation
P26-07	10:30-10:45	Masato Makio	Millennial scale linkage between iceberg collapse and ocean circulation after intensification of Northern Hemisphere glaciation

01 August (Sat) AM1 (09:00-10:50)

Oral: [P21] Tibetan Plateau and arid Central Asia (Room 133-134)

Convener(s): Fahu Chen, Steffen Mischke, Andrew Henderson

P21-25	09:00-09:15	Georg Stauch	Holocene aeolian sediments on the Tibetan Plateau
P21-26	09:15-09:30	Rong Wang	Linkages between Quaternary climate change and sedimentary processes in Hala Lake, northern Tibetan Plateau, China
P21-27	09:30-09:45	Zhi-Yong Yin	Reconstruction of regional and sub-regional precipitation and drought history in the northeastern Tibetan Plateau
P21-28	09:45-10:00	Volkhard Spiess	Lake Nam Co (Tibet, China). A first class target for a deep drilling project confirmed by a preliminary results from airgun seismic survey
P21-29	10:00-10:15	Takuya Manaka	Reevaluation of chemical weathering in the Ayeyarwady river basin in Himalaya and its impact on the global carbon cycle and paleoclimate
P21-30	10:15-10:30	Junbo Wang	Interplay between the Westerlies and Indian Ocean Summer Monsoon reflected by lake sediments in Taro Co and Mang Co since LGM on the Tibetan Plateau
P21-31	10:30-10:45	Duo Wu	Two-step increasing of early to mid-Holocene monsoon precipitation in Lake Qinghai and surrounding areas, northeastern Tibetan Plateau: A review

01 August (Sat) AM1 (09:00-10:50)

Oral: [P19] Islands in time (Room 141-142)

Convener(s): Patrick Moss, John Tibby, Lynda Petherick, Craig Sloss

P19-01	09:00-09:15	Christopher M Wurster	Was there a savanna corridor in Southeast Asia? Evidence from the stable carbon isotope composition of cave guano with implications for early human dispersal.
P19-02	09:15-09:30	Matthew C McDowell	The effects of Late Quaternary environmental change and isolation on the non-volant mammals of a large Australian land-bridge island
P19-03	09:30-09:45	Lydia L Mackenzie	A multi proxy approach to understanding late Holocene wetland development in tropical northern Australia
P19-04	09:45-10:00	John Tibby	Holocene precipitation in the sub-tropical Pacific inferred from leaf carbon isotopes
P19-05	10:00-10:15	Lynda M Petherick	Why did patterned fens form on Fraser Island, but not elsewhere in subtropical Australia?
P19-06	10:15-10:30	Sasha N Collocutt	An environmental reconstruction of the Late Quaternary environments of Bruny Island, southeastern Tasmania
P19-07	10:30-10:45	Patrick T Moss	A Sub-Tropical Eastern Australian 'Sweet Spot' - The North Stradbroke Island Glacial Refugium

01 August (Sat) AM1 (09:00-10:50)

Oral: [H20] Geoarchaeology of submerged and deeply buried landscapes (Room 221)

Convener(s): Justin Dix, Fraser Sturt, Michael J. Grant

H20-01	09:00-09:15	Nic Flemming <i>Invited</i>	The next frontiers in research on submerged prehistoric sites and landscapes on the continental shelf
H20-02	09:15-09:30	Diego Carabias	Factors affecting preservation and identification of submerged paleolandscapes: Geoarchaeological research strategies for Site GNL Quintero 1, Central Coast of Chile
H20-03	09:30-09:45	Michele Punke	Stasis in the Midst of Change: An Early Holocene Landscape Buried Beneath Puget Sound

H20-04 - Withdrawn

H20-05 10:00-10:15 Anton Hansson Geoarchaeological studies of a submerged early Holocene forest landscape in south-eastern Sweden - a multi-disciplinary approach

H20-06 10:15-10:30 Michael J Grant Revealing our buried past: defining archaeological potential of buried terrestrial landscapes.

H20-07 10:30-10:45 Fraser Sturt Onshore - offshore data integration for improved palaeogeographic and archaeological understanding

01 August (Sat) AM1 (09:00-10:50)

Oral: [H07] Geoarchaeology: Human-environment interactions and palaeo-geohazards (Room 222-223)

Convener(s): Sumiko Kubo, Vanessa Mary An Heyvaert, Yasuhisa Kondo, Masatomo Umitsu

H07-01 09:00-09:30 Helmut Brueckner Geoarchaeology - a young discipline with a great future
Invited

H07-02 09:30-09:45 Callum R Firth Super-volcano eruptions and their impact on hominin evolution

H07-03 09:45-10:00 Jiri Chlachula Insight into the Arctic past: the Yana Basin multi-proxy ecosystem studies of the Late Pleistocene permafrost-sealed faunal and cultural records

H07-04 10:00-10:15 Merle Muru Palaeogeographical reconstructions for coastal Stone Age sites in Eastern Baltic Sea region

H07-05 10:15-10:30 Vanessa M.A. Heyvaert River channel avulsion and the role of human action in causing or preventing flood events.

H07-06 10:30-10:45 Julienne Piana Dynamics of the Loir River floodplain (France) in response to climate changes and anthropogenic impacts during the last 16 000 years: a geoarchaeological approach of fluvial landscapes

01 August (Sat) AM1 (09:00-10:50)

Oral: [H02] Using paleodata and models to understand the fire-humans-climate-vegetation nexus (Room 224)

Convener(s): Boris Vanni re, Jennifer Marlon, Mitchell Power, Anne-Laure Daniau

H02-01 09:00-09:15 Hikaru Takahara Vegetation and fire history in western Japan
Invited

H02-02 09:15-09:30 Chikako Okuyama Fire activity for 150,000 years in Japan determined by spring temperature and human ignition

H02-03 09:30-09:45 Vachel A Carter Changes in fire regimes during the Late Holocene across the Rocky Mountains of the western United States

H02-04 09:45-10:00 Shira Y. Maezumi Late Pre-Columbian Fire Activity in the Lower Amazon

H02-05 10:00-10:15 Mitchell J Power Fire-climate linkages to changing biomes in lowland South America

H02-06 10:15-10:30 Daniele Colombaroli Determinants of long-term fire dynamics in the African savanna biome

H02-07 10:30-10:45 Abraham N Dabengwa Untangling herbivore and fire patterns in human-affected landscapes from a sedimentary fossil record: a case study from KwaZulu-Natal

01 August (Sat) AM1 (09:00-10:50)

Oral: [T02] Palaeohydrology and fluvial archives (Room 231)

Convener(s): Gerardo Benito, David Bridgland, St phane Cordier, Juergen Herguet

T02-15 09:00-09:15 Cyril Castanet Fluvial responses of the Lower Loire River to climate changes and anthropogenic impacts during the Holocene (Val d'Authion, France)

T02-16 09:15-09:30 Willem HJ Toonen A Holocene palaeoflood chronology of the Lower Rhine

T02-17 09:30-09:45 Sonia Leonard Rapid cycles of catastrophic adjustment in wet tropical river systems of northeastern Australia: Understanding the fluvial response to climate variability in the Holocene.

T02-18	09:45-10:00	Alpa Sridhar	On the frequency, magnitude and causes of large floods in dryland alluvial rivers of western India during past 2 ka
T02-19	10:00-10:15	Abi E Stone	Unsaturated zones as archives of past climates: a review of progress in providing a novel proxy for dryland continental regions.

01 August (Sat) AM1 (09:00-10:50)

Oral: [T19] Recent progress in the field of active tectonics and paleoseismology (Room 232-233)

Convener(s): Hisao Kondo, Hiroyuki Tsutsumi, Nobuhiko Sugito, Koji Okumura, Javed N. Malik

T19-01	09:00-09:15	J. Bruce H. Shyu	Upper plate structures along the plate boundary of western Myanmar, and their significance for future earthquake hazards and long-term topographic developments
<i>Invited</i>			
T19-02	09:15-09:30	Mamoru Koarai	Detection of ground deformation arisen from active faulting and folding using InSAR
T19-03	09:30-09:45	Takayuki Kawabe	Mechanism of recent activities of faults analyzed by the three dimensional and step-by-step distribution of hypocenters under the active and the geologic faults
T19-04	09:45-10:00	Shreya Arora	A new Strike-Slip Fault identified in the foothills of the Himalayas around Chandigarh, NW Himalaya, India
T19-05	10:00-10:15	Afroz Ahmad Shah	Active tectonics and fluvial flooding in Kashmir Basin, NW Himalayas
T19-06	10:15-10:30	Amotz Agnon	Ultimate strength limiting earthquake quiescence: A case from Tell Ateret, Jordan Gorge
<i>Invited</i>			
T19-07	10:30-10:45	Erhan Altunel	Monitoring aseismic creep along the Gerede Segment of the North Anatolian Fault Zone (Turkey) Using Ground Based LIDAR

01 August (Sat) AM1 (09:00-10:50)

Oral: [T10] Terrestrial landforms and marine records of river floods (Room 234)

Convener(s): Takahisa Furuichi, Robert Wasson, Jacky Croke, Stephen Lewis

T10-01	09:00-09:15	Hiroko Okazaki	Depositional and erosional processes of gravelly braid bar during a flood in the Abe River, central Japan, inferred by a three-dimensional ground-penetrating radar analysis
T10-02	09:15-09:30	Ju-Yong Kim	Upper Pleistocene fluvial environment change and geosol development in the Mihocheon River, South Korea
T10-03	09:30-09:45	Naoko Nagumo	Characteristics of fluvial landforms and floods in the Pampanga River basin, central Luzon
<i>Invited</i>			
T10-04	09:45-10:00	Takahisa Furuichi	Geochemical signals of major flooding events recorded in sediment on a continental shelf offshore of the Burdekin River catchment, northeastern Australia

01 August (Sat) AM1 (09:00-10:50)

Oral: [C01] Sea-level and cryospheric changes in the last 2000 years (Room 431)

Convener(s): Antony Long, Yongqiang Zong, Roland Gehrels, Craig Sloss, Natasha Barlow

C01-01	09:00-09:15	Robert E. Kopp	Global Sea-Level Variability Over the Common Era
<i>Invited</i>			
C01-02	09:15-09:30	Andrew C Kemp	Patterns and causes of late Holocene sea-level change along the U.S. Atlantic coast
<i>Invited</i>			
C01-03	09:30-09:45	Tom L Newton	Late Holocene sea-level change in the Falkland Islands: testing the Greenland melt hypothesis.
C01-04	09:45-10:00	Louise A Best	Late Holocene Sea-Level Change and Saline Intrusion, Humber Estuary, UK
C01-05	10:00-10:15	Cheuk Yan Tam	Reconstruction of the last 2500-year relative sea-level history of the east coast of Malay Peninsula

01 August (Sat) AM1 (09:00-10:50)**Oral: [P12] SHAPE: a southern perspective on climate evolution over the past 60 kyr (Room 432)**

Convener(s): Andrew M. Lorrey, Steven J. Phipps, Brian M. Chase, Maisa Rojas, Heidi A. Roop

P12-01	09:00-09:15	Joel B Pedro	The Spatial Extent and Dynamics of the Antarctic Cold Reversal <i>Invited</i>
P12-02	09:15-09:30	Krystyna M Saunders	Changes in Southern Hemisphere westerly wind strength at sub-Antarctic Macquarie Island during the Holocene
P12-03	09:30-09:45	Alastair C Cunningham	The influence of precession on southern Africa's Summer Rainfall Zone
P12-04	09:45-10:00	Manuel Chevalier	Pollen-based quantitative temperature and precipitation reconstructions in southeast Africa
P12-05	10:00-10:15	Brian M Chase	Drivers and responses of late Quaternary southern African palaeoenvironments
P12-06	10:15-10:30	Jennifer B Wurtzel	Holocene climate variability recorded in a speleothem from Sumatra, Indonesia
P12-07	10:30-10:45	Emily Field	Using established approaches in a challenging new environment: The first palaeo-environmental records from mound springs in the Kimberley region of north Western Australia

01 August (Sat) AM2 (11:10-13:00)**Oral: [S01] Early-Middle Pleistocene transition: local records, global correlations (Reception Hall A)**

Convener(s): Martin J. Head, Philip L. Gibbard, Hisao Kumai, Brad Pillans

S01-08	11:10-11:25	Henry Hooghiemstra	Quaternary biome evolution in the Colombian Andes <i>Invited</i>
S01-09	11:25-11:40	Osamu Kazaoka	Detailed litho-Stratigraphy of Kokumoto Formation in the Kazusa Group at the Chiba section, central Japan: Lower -Middle Pleistocene Boundary succession
S01-10	11:40-11:55	Yusuke Suganuma	Age of Matuyama-Brunhes boundary constrained by U-Pb zircon dating of a widespread tephra
S01-11	11:55-12:10	Makoto Okada	Revised records of the Matuyama-Brunhes polarity transition from a marine succession at the Chiba section in the Boso peninsula, central Japan.
S01-12	12:10-12:25	Masayuki Hyodo	High-resolution Matuyama-Brunhes polarity transition record from an oriented core of marine sediments collected at Tabuchi, Chiba, Japan
S01-13	12:25-12:40	Yoshimi Kubota	Mg/Ca-based temperature variations across the Matuyama-Brunhes Boundary in the Chiba section, central Japan
S01-14	12:40-12:55	Koji Kameo	A review of microfossil biostratigraphies of the Kazusa Group in the Boso Peninsula, central Japan, and calcareous nannofossils around the Matuyama-Brunhes boundary

01 August (Sat) AM2 (11:10-13:00)**Oral: [P32] Holocene warm period of mid-latitude lakes (Reception Hall B)**

Convener(s): Jule Xiao, Andrew Henderson, Kazuyoshi Yamada

P32-01	11:10-11:25	Zhaodng FENG	Holocene moisture evolution across the Mongolian Plateau <i>Invited</i>
P32-02	11:25-11:40	Juzhi Hou	Abnormal Holocene temperature variability in the Western Tibetan Plateau
P32-03	11:40-11:55	Xue Shang	Vegetation and climate oscillations during late Pleistocene and the Holocene deduced by the Lake Qinghai pollen profile on the northeastern Tibetan Plateau
P32-04	11:55-12:10	Haieli Wang	Grain-size of Core SL-1 Sediments Indicated Lake Level Changes Since 5.33 ka BP in Selin Co, Central Qinghai-Tibetan Plateau
P32-05	12:10-12:25	Ning Gu	Rainfall thresholds for precipitation of carbonate and evaporite minerals in modern lakes of northern China

P32-06	12:25-12:40	Andrew L Macumber	The Holocene Climate Optimum as archived by lacustrine sedimentary records from the central Northwest Territories, Canada
P32-07	12:40-12:55	Xiaoqiang Li	Moisture evolution in central Asia for the last 15 kyr: new evidence from Yili Valley, NW Xinjiang

01 August (Sat) AM2 (11:10-13:00)

Oral: [P08] Integrating records from the high southern latitudes (Room 131-132)

Convener(s): François De Vleeschouwer, Sébastien Bertrand, Dmitri Mauquoy, Hamish McGowan, Steve Roberts

P08-01	11:10-11:25	Dominic A Hodgson	Late Quaternary changes in the Westerly Winds over the Southern Ocean: a progress report on sub-Antarctic lake sediment records
P08-02	11:25-11:40	Tyler R Jones	Interpretation of High-Frequency Oscillations in West Antarctica
P08-03	11:40-11:55	Dan J Charman	Moss banks as archives of late-Holocene climate variability and biological change on the Antarctic Peninsula
P08-04	11:55-12:10	Zicheng Yu	Late Holocene Climate Warming at 2400-600 cal yr BP on the Western Antarctic Peninsula: Evidence from Novel Peatland Deposits
P08-05	12:10-12:25	Juan-Carlos Aravena	Reconstructing glacial fluctuations using tree rings and sediments in Cordillera Darwin-Tierra del Fuego, southernmost Chile.
P08-06	12:25-12:40	Peter G Langdon	A mid to late Holocene reconstruction of changing strength and position of the Westerlies in central Patagonia
P08-07	12:40-12:55	Sébastien Bertrand	Late Holocene covariability of the southern westerlies and sea surface temperature in northern Chilean Patagonia

01 August (Sat) AM2 (11:10-13:00)

Oral: [G02] Interdisciplinary Quaternary research (Room 133-134)

Convener(s): Rolfe D. Mandel, Ester Szein

G02-01	11:10-11:25	PALSEA2 Members	PALeo constraints on SEA level rise 2 (PALSEA2): Resolving the Peak Last Interglacial Sea-Level Budget
G02-02	11:25-11:40	Christine S Lane	The INTIMATE Network: INTEGRating Ice core, Marine and TERrestrial records to understand abrupt climate changes
G02-03	11:40-11:55	Luiz C R Pessenda	Interdisciplinary studies of late Quaternary vegetation and marine dynamics and climate inferences on the Northern coast of Espírito Santo State, Southeastern Brazil
G02-04	11:55-12:10	Julie Brigham-Grette	International Continental Drilling of Lake Elgygytgyn: Understanding Inter-hemispheric Polar linkages in the paleoclimate records since 3.6 Ma
G02-05	12:10-12:25	Laura Lamair	Late Holocene History of the Fuji Five Lakes (Japan)
G02-06	12:25-12:40	Erik J De Boer	Interdisciplinary research revealing the resilience of an insular ecosystem to 4.2 ky BP megadrought
G02-07	12:40-12:55	Iain Robertson	Understanding water isotopes in larch tree rings

01 August (Sat) AM2 (11:10-13:00)

Oral: [P18] Seasonal palaeoenvironmental records from archaeological sites (Room 141-142)

Convener(s): Amy Prendergast, Hazel Reade, Rhiannon Stevens, Alex Pryor

P18-01	11:10-11:25	Emma Loftus	An archaeological marine shell record of seasonality along the southern coast of Africa
P18-02	11:25-11:40	Amy L Prendergast	Seasonal resolution sea surface temperature records and human behavioural changes from the Upper Palaeolithic to the Epipalaeolithic in North Africa and the Levant
P18-03	11:40-11:55	Niklas Hausmann	Decoding stratigraphies with seasonal data

P18-04	11:55-12:10	Alexander J.E. Pryor	Using seasonal palaeoenvironmental data to explore how Gravettian humans secured their food supply in the Moravian Pavlovian (Czech Republic)
P18-05	12:10-12:25	Emma Lightfoot	Climate, Crops and Contacts: The Influence of Climate upon the Cross-Continental Dynamics of Agriculture in Gansu Province, China
P18-06	12:25-12:40	Shota Amekawa	Sea surface temperature reconstructions during mid- to late-Holocene using modern and fossil otoliths from the Gulf of Kutch, Western India
P18-07	12:40-12:55	Yama Dixit	On the application of $\delta^{18}O$ of multiple, single ostracod valves for seasonal climate reconstruction: results from paleolake Riwasa, India

01 August (Sat) AM2 (11:10-13:00)

Oral: [H23] The isotope ecology of migration (Room 221)

Convener(s): Suzanne Pilaar Birch

H23-01	11:10-11:25	Suzanne E Pilaar Birch	Establishing long-term trends in species-level migratory behavior: its effect on prehistoric human mobility and application to modern management strategies
H23-02	11:25-11:40	Crystal L Glassburn	Steppes Across the Land: Reconstructing Steppe Bison Behavioral Ecology in East-Central Alaska using strontium, oxygen and carbon isotopic analyses of bison teeth
H23-03	11:40-11:55	Maureen R Vaughan	Cattle Raids and Kings: Cattle Mobility in the Irish Medieval Period

01 August (Sat) AM2 (11:10-13:00)

Oral: [H07] Geoarchaeology: Human-environment interactions and palaeo-geohazards (Room 222-223)

Convener(s): Sumiko Kubo, Vanessa Mary An Heyvaert, Yasuhisa Kondo, Masatomo Umitsu

H07-07	11:10-11:40	Gosta Hoffmann	The tsunami history of the Arabian Sea as reflected in the archaeological record
<i>Invited</i>			
H07-08	11:40-11:55	Mizuho Saitoh	An Archaeological Approach to the Studies on Pre-modern Tsunami Earthquakes on the Sanriku Coast, Northern Japan
H07-09	11:55-12:10	Crescenzo Violante	Paleo-geohazard and human settlement in a rocky coastal area. The Amalfi Coast, Southern Italy.
H07-10	12:10-12:25	Jonathan P Lewis	Stories of subsistence: people and coast over the last 7,500 years in Denmark
H07-11	12:25-12:40	Friederike Stock	Human-Environment Interactions in Western Anatolia - the Example of Ephesus
H07-12	12:40-12:55	Ionut C. Nicu	Natural risks assessment and mitigation on cultural heritage sites from North-eastern Romania. A case study: Valea Oii river catchment

01 August (Sat) AM2 (11:10-13:00)

Oral: [H02] Using paleodata and models to understand the fire-humans-climate-vegetation nexus (Room 224)

Convener(s): Boris Vannière, Jennifer Marlon, Mitchell Power, Anne-Laure Daniau

H02-08	11:10-11:25	Boris Vanniere	Millennial human legacy of elevation-dependent European fire regimes
H02-09	11:25-11:40	Cesar Morales-Molino	The role of anthropogenic fire for the establishment of sweet chestnut (<i>Castanea sativa</i> Mill.) cultivation in the southern Alps
H02-10	11:40-11:55	Tiziana D Pedrotta	New Holocene fire and vegetation insights from two novel sites in Sardinia (Italy)
H02-11	11:55-12:10	Donna Hawthorne	A Scorched Past: Investigating past fire regimes throughout the Holocene in Ireland
H02-12	12:10-12:25	Jennifer L Clear	Holocene spatial and temporal variability in natural and anthropogenic fire dynamics in Fennoscandia
H02-13	12:25-12:40	Pedro Rivas	Appraisal of biomass combustion biomarkers to track the paleo-occurrence of forest fires in Mediterranean environments

H02-14 12:40-12:55 **Christelle Hely** Fire models serving paleoecology
Invited

01 August (Sat) AM2 (11:10-13:00)

Oral: [T14] Beyond steady-state erosion (Room 231)

Convener(s): Alexandru T. Codilean, David Fink, John D. Jansen, Oliver Korup, Yuki Matsushi

T14-01	11:10-11:25	Martin Struck	Sediment transport dynamics in central Australian low-gradient landscapes quantified with cosmogenic nuclides
T14-02	11:25-11:40	Sarah V Eccleshall	Sediment dynamics of a large, dryland river catchment, central Australia
T14-03	11:40-11:55	Attila Ciner	Quaternary uplift rates of the Central Anatolian Plateau, Turkey: Insights from cosmogenic isochron-burial nuclide dating of the Kizilirmak River terraces
T14-04	11:55-12:10	Yuki Matsushi	Controls of soil production, type of landslides and denudation rate of watersheds: cases from several Japanese mountains
T14-05	12:10-12:25	Atsunori Nakamura	Relation between tectonic uplift rates and erosion rates in the Kiso Range (central Japanese Alps) from in situ cosmogenic nuclides
T14-06	12:25-12:40	Takuma Watakabe	Long-term incision rates of a bedrock river: potential control by channel gradient, sinuosity and boulder settlement
T14-07	12:40-12:55	Dong Eun Kim	Transient landscape in quiescent land: implications for the intraplate topography evolution

01 August (Sat) AM2 (11:10-13:00)

Oral: [T19] Recent progress in the field of active tectonics and paleoseismology (Room 232-233)

Convener(s): Hisao Kondo, Hiroyuki Tsutsumi, Nobuhiko Sugito, Koji Okumura, Javed N. Malik

T19-08	11:10-11:25	Tamer Y. Duman	The Paleoseismological insights on the southern strand of the North Anatolian Fault Zone at Biga Peninsula: Marmara Region, Turkey
T19-09	11:25-11:40	Ram Weinberger	Neotectonics of major faults based on strain analysis and U-Th dating of syntectonic calcite
T19-10	11:40-11:55	Cengiz Yildirim	At rest or active? Eceemis Fault, central Turkey; insights from cosmogenic dating of offset alluvial fans
T19-11	11:55-12:10	Nasim Mozafari Amiri	Determination of paleoseismic activity with cosmogenic ³⁶ Cl: a case study from the Western Anatolian Extensional Province
T19-12	12:10-12:25	DIMITRIS GALANAKIS	QUATERNARY TRANSTENSION IN PELIO-ORTHRYS-OREOI AREAS, (CENTRAL GREECE)
T19-13	12:25-12:40	Javed N Malik	Evidence of paleo-seismic and paleo-Tsunami from South Coast of Andaman Island, India
T19-14	12:40-12:55	Frango C Johnson	Foraminiferal evidence of a paleotsunami preserved in the Holocene sediment stratigraphy of South Andaman Island, India

01 August (Sat) AM2 (11:10-13:00)

Oral: [T18] Geomorphology (Room 234)

Convener(s): Takashi Oguchi, Christopher Gomez, Kyoko S. Kataoka, Masayuki Seto

T18-01	11:10-11:25	Maarit S Middleton	Semi-automated pattern recognition of mass-flow deposits from airborne laser scanning data
T18-02	11:25-11:40	Christophe CORORNA	Climate change increases frequency of shallow landslides in the French Alps
T18-03	11:40-11:55	Amir Saffari	Paleo hydrogeomorphology transformations of poldokhtar region by Seymarreh landslide (south west of Iran)
T18-04	11:55-12:10	Masayuki Seto	Processes and Formation period of slope deposits in Mt. Maneo, South Korea
T18-05	12:10-12:25	Takashi Oguchi	Landslide susceptibility in relation to geomorphic responses to Quaternary climatic change

T18-06	12:25-12:40	Thomas F Parkner	Gully development on unstable slopes in the Mangaehu catchment, North Island, New Zealand
T18-07	12:40-12:55	Aleksandra M. Tomczyk	Mapping and characterization of morphometric parameters of alluvial fans and debris cones in high-Arctic setting, Petuniabukta, Svalbard.

01 August (Sat) AM2 (11:10-13:00)

Oral: [C13] Temporal changes in sea-level (Room 431)

Convener(s): Benjamin Horton, Simon Engelhart, Andrew Kemp, Adam Switzer

C13-01	11:10-11:25	Jason T Jordan	Global sea levels and ocean bathymetry
C13-02	11:25-11:40	Peter R Parham	HOLOCENE RELATIVE SEA-LEVEL HIGHSTAND RECORD FROM FAR-FIELD PENINSULAR MALAYSIA
C13-03	11:40-11:55	J. W. Castro	Sea-level fluctuations and coastal evolution in the state of Rio de Janeiro, southeastern Brazil
C13-04	11:55-12:10	Laura C Reynolds	Holocene Sea Level History for Southern California and Elkhorn Slough
C13-05	12:10-12:25	Timothy Shaw	Reconstructing late Holocene relative sea-level in Chesapeake Bay, U.S. Atlantic Coast.
C13-06	12:25-12:40	Yuki Sawai	Reconstruction of AD 1454 Kyotoku earthquake along the Japan Trench

01 August (Sat) AM2 (11:10-13:00)

Oral: [P12] SHAPE: a southern perspective on climate evolution over the past 60 kyr (Room 432)

Convener(s): Andrew M. Lorrey, Steven J. Phipps, Brian M. Chase, Maisa Rojas, Heidi A. Roop

P12-08	11:10-11:25	Len Martin	Long moisture records from sensitive peat-forming environments in eastern Australia: LGM to present
P12-09	11:25-11:40	Haidee R Cadd	Fire, landscape heterogeneity and the fate of Tasmania's montane rainforests
P12-10	11:40-11:55	Cameron Barr	A high-resolution record of millennial-scale climate variability and landscape change over the past 70,000 years from sub-tropical eastern Australia.
P12-11	11:55-12:10	Timothy T Barrows	Late Pleistocene glacier retreat in Australasia
P12-12	12:10-12:25	Patricio I Moreno <i>Invited</i>	Radiocarbon chronology of the last glacial maximum and its termination in northwestern Patagonia
P12-13	12:25-12:40	James A Collins	The position of the Southern Hemisphere Westerlies during the last deglaciation: implications from Chilean margin leaf-wax δD
P12-14	12:40-12:55	Matias Frugone-Alvarez	Holocene environmental and climate evolution in the Central Chile across an elevational gradient from the high Andes to the coast

01 August (Sat) PM (17:00-18:50)

Oral: [S01] Early-Middle Pleistocene transition: local records, global correlations (Reception Hall A)

Convener(s): Martin J. Head, Philip L. Gibbard, Hisao Kumai, Brad Pillans

S01-15	17:00-17:15	Kentaro Izumi	Trace-fossil assemblage and ichnofabrics of a marine succession across the Lower-Middle Pleistocene boundary (Kokumoto Formation, Japan): Palaeoenvironmental and palaeoecological implications
S01-16	17:15-17:30	Yasufumi Satoguchi	The Kazusa Group as a standard tephrostratigraphy of the Pleistocene formations in Japan
S01-17	17:30-17:45	Yoshihiro Takeshita	The Ontake-Byakubi tephra, a marker tephra bed for indication of the GSSP of Lower-Middle Pleistocene Boundary
S01-18	17:45-18:00	Hideto Kimura	Lower - Middle Pleistocene boundary at Chiba section and distribution situation of Byk zone, central Japan
S01-19	18:00-18:15	Brad J Pillans	Recognising the Early-Middle Pleistocene boundary in Australian continental deposits

S01-20	18:15-18:30	Olga Anatolievna Nekrasova	Sarakul paleosol of the Eopleistocene final in the Southern Urals (Russia)
S01-21	18:30-18:45	Petra Bajo	OBLIQUITY PACING OF ICE-AGE TERMINATIONS AT THE MIDDLE PLEISTOCENE TRANSITION

01 August (Sat) PM (17:00-18:50)

Oral: [P32] Holocene warm period of mid-latitude lakes (Reception Hall B)

Convener(s): Jule Xiao, Andrew Henderson, Kazuyoshi Yamada

P32-08	17:00-17:15	Cheng-Bang An	atmospheric circulation and temperature change during the mid-Holocene in arid central Asia
P32-09	17:15-17:30	Huayu Lu	Precipitation variation in Asian monsoon marginal region during the past 21 ka
P32-10	17:30-17:45	Jule Xiao	Asynchronous Holocene maximum of precipitation and temperature in the East Asian summer monsoon margin
P32-11	-	Withdrawn	
P32-12	18:00-18:15	Dabang Jiang	Mid-Holocene climate over China from PMIP models
P32-13	18:15-18:30	Kota Katsuki	Multi-centennial scale storm records in the lagoon sediment of East Korea during the mid-late Holocene

01 August (Sat) PM (17:00-18:50)

Oral: [P08] Integrating records from the high southern latitudes (Room 131-132)

Convener(s): François De Vleeschouwer, Sébastien Bertrand, Dmitri Mauquoy, Hamish McGowan, Steve Roberts

P08-08	17:00-17:15	Matthew J Amesbury	Developing novel proxies for Southern Hemisphere Holocene climate change: carbon and oxygen stable isotope analysis in vascular plant dominated peatlands
P08-09	17:15-17:30	Dmitri Mauquoy	Late-Holocene moisture deficits recorded in Fuegian peat bogs record evidence for shifts in the latitudinal position of the Southern Westerly winds
P08-10	17:30-17:45	Emma M Rice	Testing the late Holocene hydroclimatic signal from ombrotrophic bogs in southernmost Chile and the Falkland Islands: a multi-proxy, multi-profile and multi-site approach.
P08-11	17:45-18:00	Kristen K Beck	El Nino-Southern Oscillation forced climate, fire and catchment dynamics in Tasmania: Understanding complex responses to long term natural variability of terrestrial-aquatic ecosystems
P08-12	18:00-18:15	John CH Chiang	South Pacific Split Jet, ITCZ shifts, and atmospheric North-South linkages during abrupt climate changes of the last glacial period
P08-13	18:15-18:30	S. Gili	THE AEOLIAN DUST DEFLATED FROM SOUTHERN SOUTH AMERICA AND ITS RELATIONSHIP WITH PALEORECORDS OF THE SOUTHERN HEMISPHERE.

01 August (Sat) PM (17:00-18:50)

Oral: [G02] Interdisciplinary Quaternary research (Room 133-134)

Convener(s): Rolfe D. Mandel, Ester Szein

G02-08	17:00-17:15	Lourdes Lopez-Merino	Glomalin in marine sediments reflects changes in soil ecosystems' health
G02-09	17:15-17:30	Agustin Scanferla	Exceptional fossil preservation in a new site of the Pleistocene-Holocene transition from the Pampean region of South America
G02-10	17:30-17:45	Claire E Krause	New insights on tropical vegetation productivity and atmospheric methane over the last 40,000 years from speleothems in Sulawesi, Indonesia

01 August (Sat) PM (17:00-18:50)

Oral: [P23] Reconstructing historical climate variability using documentary sources (Room 141-142)

Convener(s): David J. Nash, Rudolf Brázdil

P23-01	-	Withdrawn	
P23-02	17:15-17:30	Oliver Wetter	The year-long unprecedented European heat and drought of 1540. A worst case
P23-03	17:30-17:45	Sebastien Guillet	Toward a more realistic assessment of the global impacts of the 1257 eruption
P23-04	17:45-18:00	Sandro Froehner	Mean annual air temperature and vegetation variation in South of Brazil during the Little Ice Age
P23-05	18:00-18:15	Fernando Dominguez-Castro	Reconstructing past climate of Ecuador: Potential of documentary sources
P23-06	18:15-18:30	Ju-Yong Kim	Paleohydrological change of Lake Eurimji in Jaechon County, South Korea
P23-07	18:30-18:45	David J. Nash	Rainfall variability in present-day KwaZulu-Natal, South Africa, during the nineteenth century

01 August (Sat) PM (17:00-18:50)

Oral: [H27] West African dynamics of fluvio-lacustrine environmental changes and Anthropogenic settlements (Room 221)

Convener(s): Izuchukwu Mike Akaegbobi, Ibouiraïma Yabi

H27-01	17:00-17:15	Olugbenga A. Boboye	Sedimentological and palynological analysis of three wells in eastern Dahomey Embayment, southwestern Nigeria
H27-02	17:15-17:30	Joseph Oloukoi	Wetlands ecosystems in Pendjari sub-river basin in the North Benin: Mapping and characterisation using remote sensing and GIS techniques
H27-03	17:30-17:45	Reginald C. Njokuocha	A Palaeoecological reconstruction of the mid-late Holocene vegetation of southeastern Nigeria, based on pollen analysis of pond sediments
H27-04	17:45-18:00	Obianuju P. Umeji	Quaternary landforms in eastern Nigeria: Caves in non-karstic lithology
H27-05	18:00-18:15	Olugbenga A. Boboye	Palaeoclimatic evidences from the Quaternary Coastal deposits, SW, Nigeria.

01 August (Sat) PM (17:00-18:50)

Oral: [H07] Geoarchaeology: Human-environment interactions and palaeo-geohazards (Room 222-223)

Convener(s): Sumiko Kubo, Vanessa Mary An Heyvaert, Yasuhisa Kondo, Masatomo Umitsu

H07-13	17:00-17:15	Naomi Porat	Using OSL to decipher past soil history in archaeological terraces, Judea Highlands, Israel
H07-14	17:15-17:30	Tsubasa Kamei	Geoarchaeological investigations at the late to final Jomon site of Nakayama, Northern Japan.
H07-15	17:30-17:45	Natalya E. Berdnikova	Palaeo-geohazards and Ancient Man in the Baikal Siberia
H07-16	17:45-18:00	YUANFU YUE	Zhuangbianshan Neolithic human activities and vegetation history since Mid-Holocene in Southeastern coast China

01 August (Sat) PM (17:00-18:50)

Oral: [H02] Using paleodata and models to understand the fire-humans-climate-vegetation nexus (Room 224)

Convener(s): Boris Vanni re, Jennifer Marlon, Mitchell Power, Anne-Laure Daniau

H02-15	17:00-17:15	Guido Van der Werf	Disentangling human and climatic drivers of satellite-observed variability of global fire activity
H02-16	17:15-17:30	Ryan Kelly	Paleodata-informed modeling reveals large carbon losses from recent burning of boreal forests
H02-17	17:30-17:45	Carole Adolf	Calibration of lake sediment charcoal particle influx with remote sensing data for a quantitative reconstruction of past fire activity at regional and local scales
H02-18	17:45-18:00	Alastair J. Crawford	Volumetric measurement to improve estimation of sedimentary charcoal content

H02-19 18:00-18:15 **Zhihai Tan** Holocene wildfire history and human activity from high-resolution charcoal and Elemental black carbon records in the Guanzhong Basin of the Loess Plateau, China.

01 August (Sat) PM (17:00-18:50)

Oral: [T14] Beyond steady-state erosion (Room 231)

Convener(s): Alexandru T. Codilean, David Fink, John D. Jansen, Oliver Korup, Yuki Matsushi

T14-08	17:00-17:15	Christophe CORONA	Dating and quantification of erosion processes based on exposed roots
T14-09	17:15-17:30	Philipp Baumgart	Be-7 and Cs-137 soil erosion tracer application and the question of the effectiveness of the erosion process
T14-10	17:30-17:45	Georgina E. King	Late-Quaternary exhumation of Namche Barwa constrained using Low-temperature OSL-thermochronology
T14-11	17:45-18:00	Jane L Andersen	Modelling the Long-term Periglacial Imprint on Mountain Landscapes
T14-12	18:00-18:15	Ashley N. Martin	Uranium comminution dating in slowly-eroding, tropical Australia
T14-13	18:15-18:30	Xiuxi Wang	Cenozoic exhumation history of NE Tibetan Plateau determined by the fission-track thermochronology and heavy minerals of the Guide-Xining basins
T14-14	18:30-18:45	Nicholas J. Roberts	Amazon watershed extension into the Bolivian Altiplano during the early Pleistocene

01 August (Sat) PM (17:00-18:50)

Oral: [T19] Recent progress in the field of active tectonics and paleoseismology (Room 232-233)

Convener(s): Hisao Kondo, Hiroyuki Tsutsumi, Nobuhiko Sugito, Koji Okumura, Javed N. Malik

T19-15	17:00-17:15	Miklos Kazmer	Biological erosion as earthquake indicator - marine notches in East and Southeast Asia
T19-16	17:15-17:30	Afroz Ahmad Shah	Earthquake geology of Sarawak, Malaysia, and East Kalimantan, Indonesia
T19-17	17:30-17:45	Emilia Bi Fantong	The use of calcareous fault gouge to estimate the age of the latest slip event at the westernmost (Amo) outcrop of the Atotsugawa fault with the ESR and TL methods

01 August (Sat) PM (17:00-18:50)

Oral: [T18] Geomorphology (Room 234)

Convener(s): Takashi Oguchi, Christopher Gomez, Kyoko S. Kataoka, Masayuki Seto

T18-08	17:00-17:15	Anne Claude	Quaternary landscape evolution of the Swiss Alpine Foreland
T18-09	17:15-17:30	Kenji Kashiwaya	Recent earth-surface processes and environmental changes inferred from lake-catchment systems
T18-10	17:30-17:45	Guillem Domenech	Calculation of the rockwall recession rate of a limestone cliff using cosmogenic chlorine-36 in the Montsec Range (Eastern Pyrenees, Spain). Implication in rockfall hazard assessment.
T18-11	17:45-18:00	Shunji Ouchi	Processes of erosion and sediment yield during the development of experimental landform with rainfall-erosion and uplift at various rates
T18-12	18:00-18:15	Mehmet Akif Sarikaya	Bedrock erosion rates of Cappadocian landscape, Turkey; insights from cosmogenic ³⁶ Cl
T18-13	-	Withdrawn	
T18-14	18:30-18:45	Patrick Lajeunesse	Preserved preglacial fluvial inner gorges in glacial valleys of Eastern Canada

01 August (Sat) PM (17:00-18:50)**Oral: [C09] Revealing palaeoceanographic variability from contourite depositional systems (Room 431)**

Convener(s): David Van Rooij, Francisco J. Jimenez-Espejo

C09-01	17:00-17:15	Xinong Xie	Depositional characteristics of contourite deposits in the Xi'sha Trough and adjacent area, Northern South China Sea
C09-02	17:15-17:30	Claudio Pellegrini	PLIOCENE_QUATERNARY CONTOURITE DEPOSITIONAL SYSTEM ALONG THE SOUTHERN ADRIATIC MARGIN: CHANGES IN SEDIMENTARY STACKING PATTERN AND ASSOCIATED BOTTOM CURRENTS
C09-03	17:30-17:45	Francisco J. Jimenez-Espejo	Reconstruction of Contourites deposits using continuous XRF-Scanning data: insights from the Gulf of Cadiz (IODP Exp. 339).
C09-04	17:45-18:00	Julia Haberkern	Formation of contouritic depositional systems related to topographic heights - an example from the Galician margin (NW Spain)
C09-05	18:00-18:15	David Van Rooij	Cold-water coral mounds and contourite drifts: two chapters of the palaeoceanographic log-book?

01 August (Sat) PM (17:00-19:20)**Oral: [P12] SHAPE: a southern perspective on climate evolution over the past 60 kyr (Room 432)**

Convener(s): Andrew M. Lorrey, Steven J. Phipps, Brian M. Chase, Maisa Rojas, Heidi A. Roop

P12-15	17:00-17:15	Ignacio A Jara	Holocene pollen records from New Zealand and Northwestern Patagonia reveal tropical and extra-tropical climate influences over the Southern Hemisphere mid-latitudes.
P12-16	17:15-17:30	David J Lowe	Developing a teprostratigraphic framework for 60 to 30 cal ka for SHAPE in New Zealand
P12-17	17:30-17:45	Paul C Augustinus	The past 60 ka of climate variability in northern New Zealand: the view from Auckland maar lakes.
P12-18	17:45-18:00	Marcus J Vandergoes	A 35,000-year paleotemperature consensus reconstruction from lipid biomarkers, pollen and chironomids from southern New Zealand.
P12-19	18:00-18:15	David J Barrell	Ice extent in the Southern Alps of New Zealand during the past 45,000 years.
P12-20	18:15-18:30	Peter C Almond	A high resolution LGM paleoprecipitation record from loess on the east coast of the South Island, New Zealand
P12-21	18:30-18:45	Shaun R Eaves	Uniform summer cooling drove glacier re-advance across New Zealand during the late-glacial chron.
P12-22	18:45-19:00	Andrew B.H. Rees	Investigating seasonality during the Last Glacial-Interglacial Transition and early Holocene at Lake Rangatauanui, North Island, New Zealand
P12-23	19:00-19:15	Joshua R Larsen	Quantifying hydro-climatic changes consistent with water and energy balances over Quaternary timescales

02 August (Sun) AM1 (09:00-10:50)**Oral: [S03] Progress in European Quaternary stratigraphy (Reception Hall A)**

Convener(s): Wim Westerhoff , Guzel Danukalova, Markus Fiebig

S03-01	09:00-09:15	Wim E Westerhoff	A new stratigraphical framework for the Quaternary of Europe <i>Invited</i>
S03-02	09:15-09:30	Sebastian M Gibson	Pleistocene History of the Birmingham District, Midlands, England.
S03-03	09:30-09:45	Jasper Knight	Late Quaternary stratigraphy and dating of periglacial deposits, Guernsey, Channel Islands
S03-04	09:45-10:00	Leszek Marks	Revision of the Saalian Glaciation limit in Central Europe
S03-05	10:00-10:15	Margot Boese	The timing of the Weichselian Pomeranian ice marginal position south of the Baltic Sea: a critical view on morphological and geochronological results
S03-06	10:15-10:30	Thijs van Kolfsooten	The Schoeningen late Middle Pleistocene geological sequence in a broader perspective
S03-07	10:30-10:45	Rachel M Lamb	Early Quaternary Stratigraphy of the central North Sea

02 August (Sun) AM1 (09:00-10:50)**Oral: [P03] The ACER IFG initiative (Reception Hall B)**

Convener(s): Maria Fernanda Sanchez Goñi, Stéphanie Desprat, Anne-Laure Daniau, Franck Bassinot, Didier Swingedouw

P03-01	09:00-09:15	Jorge Alvarez-Solas	On the mechanisms triggering glacial abrupt climate changes <i>Invited</i>
P03-02	09:15-09:30	Xu Zhang	Abrupt glacial climate shifts controlled by ice sheet changes
P03-03	09:30-09:45	Anais J Orsi	Spatial pattern and temporal evolution of Dansgaard-Oeschger event 8 in Greenland
P03-04	09:45-10:00	Mari F. Jensen	The stabilizing effect of sea-ice on a freshwater perturbation
P03-05	10:00-10:15	Ryoma Hayashi	Regional contrast in millennial-scale vegetation and climate variability during the last glacial based on pollen records from East Asia
P03-06	10:15-10:30	Sarah E. Metcalfe	Abrupt climate change and the North American Monsoon: strong North Atlantic signatures during MIS3
P03-07	10:30-10:45	Siwan M Davies	Testing the synchronicity of rapid climate events using tephrochronology: a synthesis of the TRACE project

02 August (Sun) AM1 (09:00-10:50)**Oral: [P14] Antarctic ice sheets and the Southern Ocean (Room 131-132)**

Convener(s): Yusuke Suganuma, Duanne A. White, Andrew Mackintosh

P14-01	09:00-09:15	Minoru Ikehara	Reorganization of Southern Ocean frontal system linked to early Pleistocene Antarctic cryosphere expansion: A perspective from Conrad Rise sediment wave evolution
P14-02	09:15-09:30	Ayako Abe-Ouchi	Modelling perspective on the Importance of Antarctic ocean and ice sheet under glacial condition and Pliocene warm condition <i>Invited</i>
P14-03	09:30-09:45	Michelle Tigchelaar	Modeling the evolution of the Antarctic Ice Sheet through the last 8 glacial cycles
P14-04	09:45-10:00	David Fink	Deglaciation of Antarctica since the Last Glacial Maximum-what can we learn from cosmogenic ¹⁰ Be and ²⁶ Al exposure ages
P14-05	10:00-10:15	Robert P. Ackert, Jr	Gauging interior WAIS elevations since the Early Pliocene using mountain dipsticks. <i>Invited</i>
P14-06	10:15-10:30	Andrew S Hein	Ice history from blue-ice areas of the southern Ellsworth Mountains, Antarctica.
P14-07	10:30-10:45	Mike Bentley	Extent of the Last Glacial Maximum ice sheet and deglacial history in the eastern Weddell Sea, Antarctica

02 August (Sun) AM1 (09:00-10:50)**Oral: [G01] Tipping points in the Late Quaternary (Room 133-134)**

Convener(s): Peter Langdon, Tim Lenton, Antony Long, Paul Valdes

G01-01	09:00-09:15	Basil A S Davis <i>Invited</i>	Local, Regional, Global; Tipping points and conceptual misunderstandings about climate change and the climate system when viewed through the proxy record
G01-02	09:15-09:30	Peter D Ditlevsen <i>Invited</i>	Early warning: Dansgaard-Oeschger events are unpredictable, A layman explanation of the mathematics of tipping points
G01-03	09:30-09:45	Alison M Kelsey	The astronomy of the 1,470yr climate cycle: extending the Milankovitch connection
G01-04	09:45-10:00	Summer K Praetorius	Synchronous heat transport in the North Pacific and North Atlantic as a mechanism for abrupt northern hemisphere warming
G01-05	10:00-10:15	Karin F. Helmens	Climate instability recorded in a 12 m-thick Eemian (MIS 5e) lake sediment sequence from Sokli (N Europe)
G01-06	10:15-10:30	Francesco Muschitiello	Fennoscandian freshwater forcing controls Greenland hydrological shifts at the onset of the Younger Dryas
G01-07	10:30-10:45	James T Teller	A Younger Dryas sequence in the glacial Lake Hind basin of Manitoba, Canada

02 August (Sun) AM1 (09:00-10:50)**Oral: [P34] Environmental changes in high-resolution sedimentary records (Room 141-142)**

Convener(s): Antti E.K. Ojala, Hiroyuki Kitagawa, Pierre Francus, Mitsuru Okuno, Arndt Schimmelmann, Kazuyoshi Yamada, Yoshinori Yasuda, Bernd Zolitschka,

P34-01	09:00-09:15	Dirk Sachse <i>Invited</i>	Spatial patterns of hydrological changes during the onset of the Younger Dryas in western and central Europe from decadal resolved lacustrine lipid biomarker D/H records
P34-02	09:15-09:30	Annika Berntsson	Late Holocene hydroclimatology of NW Sweden inferred from the geomorphology and sediment record of the alpine Lake Vuoksjavratje
P34-03	09:30-09:45	Heather A Haines	Identifying Flood and Drought Events Using a 500-Year Reconstruction of Rainfall in the Australian Subtropics as Determined from Hoop Pine (<i>Araucaria cunninghamii</i>) Tree Rings
P34-04	09:45-10:00	David Nelson <i>Invited</i>	Evaluating climate controls of aquatic proxy indicators: a case study using multi-proxy analyses of sediment-trap samples and annually laminated sediments
P34-05	10:00-10:15	Annika Berntsson	A chironomid-based summer temperature reconstruction from a hydrologically sensitive lake in west central Sweden
P34-06	10:15-10:30	Yongtao Zhao	Vegetation history and climate condition in arid western China during MIS2: new insights from the sediment core BLK11A in the Balikun Lake
P34-07	10:30-10:45	Dang Xuan Phong	A high-resolution sedimental record from a maar on the Pleiku volcanic complex in the central highlands of Vietnam

02 August (Sun) AM1 (09:00-10:50)**Oral: [H17] Land-sea-human Interactions (Room 221)**

Convener(s): Helena L. Filipsson, Anna Broström, Takashi Toyofuku

H17-01	09:00-09:15	Narumi K. Tsugeki <i>Invited</i>	Temporal variations of phytoplankton biomass over the past 150 years in a Japanese Inland Sea
H17-02	09:15-09:30	Anne Birgitte Nielsen	From landscape description to quantification: REVEALing new perspectives on the Holocene regional landscapes of SE Sweden
H17-03	09:30-09:45	Anneli Poska	Climate variability and human induced land-cover changes and their effect on terrestrial carbon transport to the Baltic Sea over the last 9000 years
H17-04	09:45-10:00	Lyudmila S. Shumilovskikh	Elaia: land-sea-human interactions during the Pergamenian Empire
H17-05	10:00-10:15	Kazuo Kamura	Spatial and temporal distributions of spheroidal carbonaceous fly ash particles in East Asian lake sediments

H17-06 - Withdrawn

H17-07 10:30-10:45 **Anna Wachnicka** Effects of the Late Holocene Climate Variability and Humans on Shallow Marine and Coastal Ecosystems in South Florida (U.S.A.)

02 August (Sun) AM1 (09:00-10:50)**Oral: [H12] Prehistoric use and management of plant resources (Room 222-223)**

Convener(s): Shuichi Noshiro, Yuichiro Kudo, Hiroo Nasu, Yuka Sasaki

H12-01	09:00-09:15	Shuichi Noshiro	Emergence of a sophisticated subsistence system on plant resources in a pre-agricultural Jomon society in Japan
H12-02	09:15-09:30	Gary W Crawford	Human Ecology Lessons from Archaic Period North America and Jomon Palaeoethnobotany
H12-03	09:30-09:45	Yuichiro Kudo	Absolute Dates for Human activities at the Torihama Shell Mound, Fukui, Japan
H12-04	09:45-10:00	Eri Hitoki	The chronology of the Kaminari-shita site during the initial Jomon period in the inner Tokyo bay, Japan
H12-05	10:00-10:15	Yumiko Ito	The Use of urushi lacquer during the Jomon Period of northeastern Japan
H12-06	10:15-10:30	Hiroo Nasu	Examining the utilization and domestication of azuki bean in prehistoric Japan
H12-07	10:30-10:45	Sohyeon AHN	Late Holocene vegetation and human activities at the Nakayama archaeological site, Akita, northern Japan

02 August (Sun) AM1 (09:00-10:50)**Oral: [H04] Wetland archaeology and environmental change (Room 224)**

Convener(s): Tony Brown, Akira Matsui, Fumio Ohe, Masashi Maruyama, Toshio Nakamura, Iwao Nishida, Nicki Whitehouse

H04-01	09:00-09:15	Naoto MIZUMURA	Formation processes of Aoya plain, Tottori, Japan during Holocene and their influences to Aoya-Kamijichi site
H04-02	09:15-09:30	Naoto Yamamoto	Jomon wetland sites on the east coast of the Noto Peninsula, Central Japan
H04-03	09:30-09:45	Tony G Brown	Wetland Archaeology: Towards a Nutritional Approach
H04-04	09:45-10:00	Albert Hafner <i>Invited</i>	Wetland-Archaeology in the Alpine Space. Overview and actual research issues.
H04-05	10:00-10:15	Geoffrey E Hill	From the lakeshore: settlement and technology in the later Irish Mesolithic
H04-06	10:15-10:30	Catherine Jessen	Reconstructing landscape and resources during periods of rapid change from wetland sites in southern Scandinavia.
H04-07	10:30-10:45	Tatiana Blyakharchuk	POLLEN, CHARCOAL, LOI AND STABLE ISOTOPE PROXIES FROM SMALL LAKE IN MOUNTAINS OF SOUTHERN SIBERIA AS EVIDENCE OF VEGETATION AND CLIMATE CHANGE DURING ENCIENT HUMAN CULTURES

02 August (Sun) AM1 (09:00-10:50)**Oral: [H28] Immigration above the tide line (Room 231)**

Convener(s): Eva Panagiotakopulu, Steve Brooks

H28-01	09:00-09:15	Inger G Alsos	Colonization of arctic islands revealed by modern and ancient DNA analyses
H28-02	09:15-09:30	Gisli Mar Gislason	Origin of caddisflies in Iceland
H28-03	09:30-09:45	Geoffrey Lemdahl	Early Holocene vegetation and insect fauna at Seltjorn, Iceland
H28-04	09:45-10:00	Ashley L Buchan	Present and Norse hayfields in southwest Greenland - Insect assemblages, taphonomy and biogeography
H28-05	10:00-10:15	Eva Panagiotakopulu	Insect evidence for environmental change in Northern Norway

02 August (Sun) AM1 (09:00-10:50)**Oral: [T18] Geomorphology (Room 234)**

Convener(s): Takashi Oguchi, Christopher Gomez, Kyoko S. Kataoka, Masayuki Seto

T18-15	09:00-09:15	Taoyuan Wei	The density currents in the upper North branch of the Yangtze Estuary: plunging processes and its implication to the long-term channel evolution
T18-16	09:15-09:30	Wei YUE	Heavy mineral map of the Yangtze tributaries and its implication for Plio-Pleistocene provenance in the Yangtze Delta
T18-17	09:30-09:45	Xixi Lu	Sediment and carbon fluxes changes in the Yellow River system over the past thousand years
<i>Invited</i>			
T18-18	09:45-10:00	Hongming He	NUMERICAL SIMULATION OF LANDFORMS EVOLUTION IN THE MIDDLE YELLOW RIVER
T18-19	10:00-10:15	Stephanie J Duce	A geomorphic classification of spur and grooves: towards a global understanding of high-energy reefs
T18-20	10:15-10:30	Daniela Sauer	The marine terraces in the Metaponto area, Ionian coast of S Italy: Formation, further evolution and soil development under changing Pleistocene-Holocene environmental conditions
<i>Invited</i>			
T18-21	10:30-10:45	Jia-Hong Chen	The origin and its environmental implications of the thick sediments layers on the southern coast of Xiaolanyu Isle, Taiwan

02 August (Sun) AM1 (09:00-10:50)**Oral: [C14] Late Quaternary paleovalley systems (Room 431)**

Convener(s): Alessandro Amorosi, Freek Busschers, Kim Cohen, Kazuaki Hori, Susumu Tanabe

C14-01	09:00-09:15	Kim M Cohen	Session Introduction: Global correlation on late Quaternary paleovalley systems
<i>Invited</i>			
C14-02	09:15-09:30	Fabio Trincardi	Preservation of allogenic and autogenic signals in a Late Quaternary incised valley system
<i>Invited</i>			
C14-03	09:30-09:45	Susumu Tanabe	Millennium-scale infilling of a tide-dominated incised valley during the last 14 kyr: Spatial and quantitative reconstruction in the Tokyo Lowland, central Japan
C14-04	09:45-10:00	Takeshi Ishihara	Comparison of landform development since the latest Pleistocene influenced by sea-level change, crustal movement and sedimentary supply in two major fluvial lowlands in the greater Tokyo are, Japan
C14-05	10:00-10:15	Koichiro Tanigawa	Holocene relative sea-level change reconstructed from incised-valley fills in the Toyooka Basin, western Japan
C14-06	10:15-10:30	Kodai Hasada	Denudation rate of drainage basin inferred from the amount of deltaic deposits: An example from the Kiso and Shonai river basins, central Japan
C14-07	10:30-10:45	Yuji Ishii	Formation and infilling of oxbow lakes in the Ishikari lowland, northern Japan

02 August (Sun) AM1 (09:00-10:50)**Oral: [P07] Southern Hemisphere LGM (Room 432)**

Convener(s): James Shulmeister, Brian Chase, Tim Cohen, Patricio Moreno

P07-01	09:00-09:15	Maisa Rojas	The Southern Hemisphere Westerlies during the Last Glacial Maximum in PMIP climate model simulations.
<i>Invited</i>			
P07-02	09:15-09:30	Kathryn E Fitzsimmons	An early LGM mega-lake event in the Willandra Lakes, semi-arid Australia: climate, neotectonics and human behaviour
P07-03	09:30-09:45	Jie C Chang	A high resolution chironomid-based summer temperature reconstruction from North Stradbroke Island, Australia during the last glacial maximum (LGM)
P07-04	09:45-10:00	Henrik Rother	Coming early, staying longer and going further: the structure of glaciation during the LGM in New Zealand
<i>Invited</i>			
P07-05	10:00-10:15	Jan-Hendrik May	Plunge pools in Australia's 'Top End' and their response to late Quaternary monsoonal dynamics
P07-06	10:15-10:30	Justine Kemp	A corrected palaeohydrological record for Willandra Lakes, southeastern Australia

P07-07 10:30-10:45 **Kale Sniderman** Late Pleistocene vegetation and environmental change in southwestern Australia: new insights from speleothem palynology

02 August (Sun) AM2 (11:10-13:00)

Oral: [S03] Progress in European Quaternary stratigraphy (Reception Hall A)

Convener(s): Wim Westerhoff, Guzel Danukalova, Markus Fiebig

S03-08	11:10-11:25	Tuncer Demir	Influence of crustal properties on patterns of Quaternary stratigraphy across Western, Central and Eastern Europe
S03-09 <i>Invited</i>	11:25-11:40	Alessandra Negri	A possible Upper Pleistocene global boundary stratotype section and point (GSSP): The Fronte Section at Taranto (Italy)
S03-10	11:40-11:55	Natalia P. Gerasimenko	Stratigraphy of the late Middle Pleistocene in the Central Ukraine
S03-11	11:55-12:10	Markus C Fiebig	Chronostratigraphic correlation of Pleistocene river terrace sediments A case for reliable numerical dating
S03-12	12:10-12:25	Stephanie Scheidt	A consistent magnetic polarity stratigraphy of late Neogene to Quaternary fluvial sediments from the Heidelberg Basin (Germany): A new time frame for the Plio-Pleistocene palaeoclimatic evolution of the Rhine Basin
S03-13	12:25-12:40	Maria Sekar Proborukmi	Quaternary palynological and environmental records from the Garding-2 sediment core, coastal northwest Germany
S03-14	12:40-12:55	Pierluigi Pieruccini	Terrestrial Quaternary Stratigraphy in Italy

02 August (Sun) AM2 (11:10-13:00)

Oral: [P03] The ACER IFG initiative (Reception Hall B)

Convener(s): Maria Fernanda Sanchez Goñi, Stéphanie Desprat, Anne-Laure Daniau, Franck Bassinot, Didier Swingedouw

P03-08 <i>Invited</i>	11:10-11:25	Christo Buizert	Precise interhemispheric phasing of the bipolar seesaw during abrupt Dansgaard-Oeschger events
P03-09	11:25-11:40	Dunia H Urrego	Millennial-scale vegetation changes in the tropical Andes
P03-10	11:40-11:55	Vazquez Riveiros Natalia	Terminal millennial scale events and the deglacial process: the case of MIS 7
P03-11	11:55-12:10	Russell N Drysdale	Millennial-scale climate events: a speleothem perspective
P03-12	12:10-12:25	Dulce Oliveira	New insights on MIS 11 climate changes at millennial time scale in southwestern Europe
P03-13	12:25-12:40	William J Fletcher	Past interglacial vegetation and climate dynamics in the eastern Mediterranean: the case study of the third climatic cycle (Marine Isotope Stages 9 and 8) at Tenaghi Philippon
P03-14	12:40-12:55	Stephen Barker	Abrupt climate variability over the last ten glacial cycles

02 August (Sun) AM2 (11:10-13:00)

Oral: [P14] Antarctic ice sheets and the Southern Ocean (Room 131-132)

Convener(s): Yusuke Suganuma, Duanne A. White, Andrew Mackintosh

P14-08	11:10-11:25	Joanne S Johnson	Reconstructing West Antarctic Ice Sheet history in the western Amundsen Sea Embayment, using high-precision cosmogenic dating
P14-09	11:25-11:40	Duanne A White	Marine ice sheet instability drove deglaciation in Prydz Bay, East Antarctica
P14-10	11:40-11:55	Lauren M Simkins	Geomorphic and sedimentological record of complex and episodic post-LGM ice-sheet retreat in the western Ross Sea, Antarctica
P14-11	11:55-12:10	Sarah L Greenwood	Time-varying configuration of ice flow in the western Ross Sea reveals competing West and East Antarctic ice sources during the last glacial period

P14-12	12:10-12:25	Richard Selwyn Jones	Rapid thinning of an East Antarctic outlet glacier during stable Holocene climate
P14-13	12:25-12:40	Marc Oliva	The deglaciation of the Byers Peninsula based on a multiple-method approach to dating lake sediments in Byers Peninsula (South Shetland Islands, Antarctica)
P14-14	-	Withdrawn	

02 August (Sun) AM2 (11:10-13:00)

Oral: [G01] Tipping points in the Late Quaternary (Room 133-134)

Convener(s): Peter Langdon, Tim Lenton, Antony Long, Paul Valdes

G01-08	11:10-11:25	Aslaug Geirsdottir	Nonlinear climate response to Holocene insolation forcing across the North Atlantic Arctic
G01-09	11:25-11:40	Steven W Leavitt	Tree-ring evidence of non-stationary environment in the U.S. Great Lakes area between 15ka-7ka: A time of human transcontinental migrations and mega-fauna extinctions
G01-10	11:40-11:55	Mark A Stevenson	Critical transitions in carbon cycling across multiple lake catchments, Disko Island, West Greenland
G01-11	11:55-12:10	Judy RM Allen	Ecological Tipping Points: How invasion of a potential canopy dominant affects landscape-scale ecosystem patterns
G01-12	12:10-12:25	Sebastian Bathiany	Abrupt or not abrupt? Conceptual studies on atmosphere - vegetation interaction in North Africa

02 August (Sun) AM2 (11:10-13:00)

Oral: [P34] Environmental changes in high-resolution sedimentary records (Room 141-142)

Convener(s): Antti E.K. Ojala, Hiroyuki Kitagawa, Pierre Francus, Mitsuru Okuno, Arndt Schimmelmann, Kazuyoshi Yamada, Yoshinori Yasuda, Bernd Zolitschka,

P34-08	11:10-11:25	Benjamin V Gaglioti	Using varved lake sediments to detect human impacts on boreal wildfire in Interior, Alaska
P34-09	11:25-11:40	David Taylor	Recent environmental changes in the tropics: high-resolution sedimentary records from crater lakes
P34-10	11:40-11:55	Michal Slowinski	How route construction influenced landscape transformation during the last 700 years in NE Poland
P34-11	11:55-12:10	Meri M Ruppel	Black carbon deposition in European Arctic sedimentary records during the industrial era
P34-12	12:10-12:25	Evelien Boes	Establishing the annual timeframe of sediments from three proglacial lakes in south-central Alaska, based on radionuclide dating (²¹⁰ Pb/ ¹³⁷ Cs) and identification of deposits caused by historically reported events
P34-13	12:25-12:40	Alison MacLeod	Recent developments in varve analysis in the UK: exploring new archives and extending chronologies

02 August (Sun) AM2 (11:10-13:00)

Oral: [H17] Land-sea-human Interactions (Room 221)

Convener(s): Helena L. Filipsson, Anna Broström, Takashi Toyofuku

H17-08	11:10-11:25	Iona M McIntosh	Submarine microfossils in subaerial volcanic deposit point to submarine volcanic hazard
H17-09	11:25-11:40	Laurie M. Charrieau	Zombie foraminifera reveal impacts of ocean acidification in the Baltic Sea
H17-10	11:40-11:55	Takashi Toyofuku	Visualized Cellular Calcium and pH distribution under high CO ₂ experiment
H17-11	11:55-12:10	Kotaro Hirose	Diatom assemblages as an indicator of human-induced environmental changes: Temporal distribution in coastal areas of the Seto Inland Sea, southwestern Japan.
H17-12	12:10-12:25	Anupam Ghosh	Palaeoenvironment and palaeoecological reconstruction of a fjord environment on the Swedish east coast, Baltic Sea
H17-13	12:25-12:40	Guangzhe Jin	Comparative research of lake eutrophication history by long core samples collecting from two typical Japanese reclaimed lakes

H17-14 12:40-12:55 **Shin-ichi Onodera** Last 10,000 years variation in phosphorus supply to a coastal region in a western Japan

02 August (Sun) AM2 (11:10-13:00)

Oral: [H12] Prehistoric use and management of plant resources (Room 222-223)

Convener(s): Shuichi Noshiro, Yuichiro Kudo, Hiroo Nasu, Yuka Sasaki

H12-08	11:10-11:25	Kazutaka Kobayashi	Prehistoric plant materials for various types of weaving in Japan
H12-09	11:25-11:40	Yuka Sasaki	Regional difference in the technique and material selection for weaved products during the Jomon period in Japan
H12-10	11:40-11:55	Yumiko Murakami	Management of wetland for initial rice cultivation and use of wood in the final Jomon period
H12-11	11:55-12:10	Yukiko Kikuchi	Experimental archaeological project investigating ancient paddy fields
H12-12	12:10-12:25	Yong Ge	Differentiate Foxtail millet(<i>Setaria italica</i>) with some relative species using inflorescence phytolith

02 August (Sun) AM2 (11:10-13:00)

Oral: [H04] Wetland archaeology and environmental change (Room 224)

Convener(s): Tony Brown, Akira Matsui, Fumio Ohe, Masashi Maruyama, Toshio Nakamura, Iwao Nishida, Nicki Whitehouse

H04-08	11:10-11:25	Sheryl Luzzadder-Beach	Paleohydrologic Records for Holocene Environmental Change in Maya Lowland Wetlands, Central America
H04-09	11:25-11:40	Duncan McLaren	Long-Term Occupation, Early Holocene Wet Site Deposits and a Post-Glacial Sea Level Hinge: Archaeological Testing at Triquet Island on the Central Pacific Coast of Canada
H04-10 <i>Invited</i>	11:40-11:55	Dale R Croes	The Salish Sea--Using Wet and Dry Site Archaeology to Explore the Defining Temporal Characteristics of this Inland Sea Environment.
H04-11	11:55-12:10	Ian P Matthews	Understanding humans and abrupt climate change during the Last Glacial to Interglacial Transition (16-8 ka BP): New palaeoenvironmental research from the Mesolithic site of Star Carr, UK.

02 August (Sun) AM2 (11:10-13:15)

Oral: [T18] Geomorphology (Room 234)

Convener(s): Takashi Oguchi, Christopher Gomez, Kyoko S. Kataoka, Masayuki Seto

T18-22	11:10-11:25	Naoto Koiwa	Recovery and formation processes of barrier spit eroded by the 2004 Indian Ocean Tsunami at Pakarang Cape, southwestern Thailand
T18-23	11:25-11:40	Ryan L Perroy	Active pahoehoe lava flow geomorphic mapping with an unmanned aerial vehicle
T18-24	11:40-11:55	Min-Yu Hsueh	Explore the Wushanding Mud Volcano Micro-topography Changes by Using Terrestrial 3D Laser Scanner
T18-25	11:55-12:10	Daniela M. Krohling	Quaternary evolution of the landscape of the Parana Basaltic Plateau, South America
T18-26	12:10-12:25	Reuma Arav	Improving the understanding of sinkholes evolution using fan-scale laser scans-based three-dimensional monitoring
T18-27	12:25-12:40	Zhiwei Xu	Dune morphodynamics in a stabilizing dune field of northern China, with implications for reconstruction of late Quaternary dune field evolution
T18-28	12:40-12:55	Yoav Avni	Mega-Geomorphology of the Levant: The morphotectonic context of the Oligocene regional truncation surface and its role in the present landscape
T18-29	12:55-13:10	Carol M S Smith	QEMSCAN: the evaluation of an innovative technique for the microfabric analysis of liquefaction ejecta, Christchurch, New Zealand.

02 August (Sun) AM2 (11:10-13:00)

Oral: [C14] Late Quaternary paleovalley systems (Room 431)

Convener(s): Alessandro Amorosi, Freek Busschers, Kim Cohen, Kazuaki Hori, Susumu Tanabe

C14-08	11:10-11:25	Alessandro Amorosi	Connecting alluvial and coastal-plain paleovalleys: insight from the post-MIS5e record
C14-09	11:25-11:40	Giovanni Sarti	Late Quaternary multiple incised-valley systems buried beneath the Pisa Coastal Plain (Tuscany, Italy).
C14-10	11:40-11:55	Marco Mancini	Stratigraphic architecture and chronology of the Upper Pleistocene-Holocene Tiber Depositional Sequence (Italy)
C14-11	11:55-12:10	Piotr Weckwerth	The evolution of fluvial depositional systems and its palaeoenvironmental controls during MIS 3 and 2 in Central Poland
C14-12	12:10-12:25	Tsutomu Nakazawa	Depositional process of incised-valley fills during MIS 6-5.5 beneath the Tokyo metropolitan area, central Japan
C14-13	12:25-12:40	Freek S. Busschers	Imprints of Pleistocene glacial-interglacial cycles on a lowland fluvial system (Rhine-Meuse, southern North Sea)
C14-14	12:40-12:55	Jan Peeters	The incised-valley fill of the upper Middle and Late Pleistocene Rhine in the central Netherlands (southern North Sea Basin): sedimentary architecture, chronostratigraphy and key-transitional events

02 August (Sun) AM2 (11:10-13:00)

Oral: [P07] Southern Hemisphere LGM (Room 432)

Convener(s): James Shulmeister, Brian Chase, Tim Cohen, Patricio Moreno

P07-08	11:10-11:25	Daniel Ellerton	An LGM and deglaciation pollen record from northern NSW, Australia: Evidence for a humid LGM in parts of eastern Australia.
P07-09	11:25-11:40	Jessica M Reeves	Into and out of the LGM: records of climate variability in southeastern Australia before and after the last glacial
P07-10	11:40-11:55	Timothy J Cohen	Rethinking the cold, dry Last Glacial Maximum in central Australia

02 August (Sun) (14:00-14:25)

Plenary: [PL8] Plenary Lecture (SHIROTORI HALL)

PL-08	Martin J. Head	The Quaternary Period/System and its official subdivision: past, present, and future
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02 August (Sun) (14:25-14:50)

Plenary: [PL9] Plenary Lecture (SHIROTORI HALL)

PL-09	Takeshi Nakagawa	Towards better radiocarbon calibration: A story of a Japanese lake
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XIX INQUA Congress 2015 Program-Poster

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [C02] Coastal wetlands (Event Hall)

Convener(s): Kiyoshi Fujimoto, Kim Cohen, Toyohiko Miyagi

C02-P01	Mio Kasai	Geomorphologic and lacustrine water environmental change of coastal lagoon during Holocene, based on diatom analysis in Lake Jusanko, Northern Japan
C02-P02	Mizuki Morishita	Muck formation process as a key to consideration of past human activity, evaluated by chemical structural change of peat in the Sagami plain, Japan.
C02-P03	Masatomo UIMITSU	Late Holocene Evolution of the Nakhon Si Thammarat and Lake Songkhla Coastal Plains
C02-P04	Kiyoshi Fujimoto	Habitat evolution of peat swamp forest and belowground carbon sequestration during the Holocene on the coastal lowland in central Sumatra, Indonesia
C02-P05	Kenji Ono	Effects of belowground productivity on the belowground carbon storage in Rhizophora apiculata forest on Pohnpei Island, Federated States of Micronesia.
C02-P06	Nicole S Khan	New Jersey (USA) Wetlands Past, Present and Future: Using Sediment Archives to Inform and Guide Wetland Protection, Restoration and Resilience
C02-P07	Tran Bao Tran	Monitor soil acidification due to shrimp farming in Can Gio coastal wetland of Vietnam through characterization of iron minerals by remote sensing
C02-P08	Kartika A. Hapsari	A multi-proxy study of Sungai Buluh coastal peat, Central Sumatra: the formation, the dynamics and human activities

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [C03] Quaternary paleoceanography and geochemical tools (Event Hall)

Convener(s): Naohiko Ohkouchi, Guillaume Leduc

C03-P01	Sheng-fa Liu	Distribution of clay minerals in surface sediments of the western Gulf of Thailand: sources and transport patterns
C03-P02	Mengyuan Wang	MIS 5 interglacial SST reconstructions from a coastal core in tropical Hainan Island, China
C03-P03	Guillaume Leduc	Eastern Tropical Pacific Paleosalinity Reconstructions During the Last Deglaciation
C03-P04	Keiji Horikawa	Deglacial ventilation changes in the western North Pacific inferred from neodymium isotopes of fossil fish teeth/debris
C03-P05	Pedro Rivas Ruiz	Hydrogen isotope ratios of individual lipids in modern lake sediments and soils as a hydroclimatic proxy: a surface sediment test across Spain
C03-P06	Evelyn Boehm	Reconstruction of the Atlantic circulation strength back to 40 kyr using ²³¹ Pa/ ²³⁰ Th from MD09-3257
C03-P07	Zi-Ye Li	Living, dead and thanatocoenoses benthic foraminifera in the Bohai and Yellow Seas: Seasonal distributions and their use for paleoenvironmental reconstruction
C03-P08	Mengyuan Wang	Paleoenvironmental changes based on N-alkanes and $\delta^{13}C$ records from a coastal core in Hainan Island, tropical China

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [C11] DELTAS (Event Hall)

Convener(s): Yoshiki Saito, Edward Anthony, James P.M. Syvitski, Karl Stattegger, Steven L. Goodbred, Kazuaki Hori

C11-P01	Alejandro Tejedor	Complexity and Robustness of Deltaic systems: A graph-theoretic approach
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C11-P02	Kamal Darwish	Geomorphic Changes of Coastal Lagoon Barriers along the Nile Delta Coast in the 20th Century
C11-P03	Steven L Goodbred	New perspectives and enhanced resolution on Late Quaternary evolution of the Ganges-Brahmaputra River delta
C11-P04	Manmohan Mohanti	DELTAIC PROCESSES OF THE MAHANADI RIVER MEGA DELTA-COMPLEX, EASTERN INDIA AND SUSTAINABILITY ISSUE
C11-P05	Anbarasu Kumaresan	River Migration-An evidence for Neotectonic activity along the East Coast of India
C11-P06	Upali De Silva Jayawardena	Use of natural resources in delta zones and its impact to the society in Sri Lanka
C11-P07	Oanh Thi Kim Ta	Morpho-sedimentary evolution of the Mekong River Delta, Vietnam during the Holocene
C11-P08	Fernando P. Siringan	Late Holocene geomorphological evolution of the bayhead of Manila Bay, Luzon, Philippines
C11-P09	Kan-Hsi Hsiung	Sediment storage in deltas fed by small mountainous rivers in terms of source-to-sink: A case study in west and southwest Taiwan
C11-P10	Hsin-Yi Huang	Evolution of the Deposition System at the mouth of the Zhuoshui River in the Late Holocene (last 6,000 yr.): Initial Discussion
C11-P11	Abdullah Sulaiman	Quaternary Sediment Distribution and Seismic Stratigraphy at Permatang Sedepa (One Fathom Bank) Area, Straits of Malacca Related to Sea Level Changes during the Late Pleistocene and Holocene
C11-P12	Vittorio Maselli	Rise and fall of modern Mediterranean deltas
C11-P13	Hang Thi Do	AN INTEGRATED REMOTE SENSING AND STATISTICAL APPROACH FOR RIVER BANK CHANGE ANALYSIS AND PREDICTION
C11-P14	Liangyong ZHOU	Modern sediment accumulation and sedimentary structure of the modern Yellow River delta
C11-P15	Withdrawn	
C11-P16	Jian Liu	Research on 3D simulation of a sea-level rise around the Bohai Sea

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [C12] Comparative paleoecology of the subarctic marine system (Event Hall)

Convener(s): Ben Fitzhugh, Naomi Harada, Lester Lemke-Jene, Anne de Vernal

C12-P01	Kana Nagashima	Asian dust input to the North Pacific and its seasonal to decadal variations
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28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H03] LGM prehistory in Northern Eurasia (Event Hall)

Convener(s): Masami Izuho, Lawrence G. Straus, Ian Buvit, Karisa Terry

H03-P01	Hikaru Takahara	Vegetation map during the Last Glacial Maximum in Japanese Islands and its vicinity based on recent palaeoecological and genetic data
H03-P02	Misaki Shimada	Vegetation history in southern Kyushu Island, Japan since the Last Glacial Maximum, based on pollen data from Lake Imuta-ike
H03-P03	Jing SHI	Human technological and behavioral adaptation of Houshan Paleolithic Site in Shenyang, China
H03-P04	Jun Takakura	Rethinking the Blade and microblade technologies in the middle Upper Paleolithic of Hokkaido, Northern Japan
H03-P05	Asuka Takayashiki	Small chronology of the LGM blade industry: "Sunagawa industry" in southern Kanto region, Japan

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H05] Emergence of the world's oldest pottery and its environmental background (Event Hall)**

Convener(s): Hiroyuki Sato, Kazuki Morisaki

H05-P01	Fumie Iizuka	Human Responses to Climate Change and Volcanic Events between the Late Upper Paleolithic to Early Jomon Periods in Southern Kyushu, Japan (ca. 19,000 - 7,300 cal. BP)
H05-P02	YAROSLAV V. KUZMIN	The time and place(s) for the emergence of Old World pottery: facts and problems
H05-P03	Shinya Shoda	Pottery use on the Korean peninsula during the early Holocene

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H06] Palaeobiogeographical and cultural dynamics within island environments (Event Hall)**

Convener(s): Michelle Farrell, Sara Boyle, Chris Hunt, Katrin Fenech, Sean Pyne-O'Donnell, Caroline Malone

H06-P01	Mark Hardiman	The landscape evolution and fire history of the California Channel Islands before and after Arlington Springs Man
H06-P02	Flavia Morello	Archaeology of Fuegian Islands: environmental changes along the Holocene, Human Settlement and Cultural Interaction (Patagonia, Chile)
H06-P03	Kit M Hamley	Humans and the Falkland Islands Wolf: Investigating the origins of an extinct endemic canid

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H08] Biosphere contaminated with artificial and natural radionuclides (Event Hall)**

Convener(s): Hirofumi Tsukada, Thomas Hinton, Noriko Yamaguchi, Edward R. Landa

H08-P01	Hidenao Hasegawa	¹²⁹ I in monthly deposition samples collected in Rokkasho, Japan
H08-P02	Akira Takeda	Soil-to-grass transfer and water-extractability of ¹²⁹ I in grassland soils collected in Aomori Prefecture before the testing with actual spent nuclear fuel in the Rokkasho reprocessing plant.
H08-P03	Keiko Tagami	Soil carbon transfer to paddy rice and cabbage observed under natural conditions using stable carbon ratios
H08-P04	Nobuyoshi Ishii	Effect of biotic interactions to the behavior of technetium-99 in the aquatic ecosystem
H08-P05	Francois De Vleeschouwer	Japanese PEat records of ATmospheric deposition of artificial radionuclides (J-PEAT): Impacts of Fukushima accident and implications for radiochronology
H08-P06	Noriko Yamaguchi	Characterization of radiocesium-bearing particles collected in Fukushima
H08-P07	Hirofumi Tsukada	Physicochemical fractions of ¹³⁷ Cs and its distribution coefficient in suspended solids in river water collected from Fukushima, Japan
H08-P08	Taku Kato	Spatial distribution of the radioactive Cs in the soils under the broad-leaved tree and the evergreen needle-leaved tree in the Abukuma Highland, Fukushima, Japan.
H08-P09	Beibei HAN	Roles of the soil organic matters for the accumulation of the radioactive Cs in the volcanic ash and non-volcanic ash soils.
H08-P10	Yoshiki Miyata	Contribution of Fukushima Daiichi Nuclear Power Plant Accident to Sea of Okhotsk
H08-P11	Shigeo Uchida	Effective half-lives of global fallout Cs-137 and Sr-90 in soil from 1980-2010: comparisons between the northern and southern parts of Japan

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H10] Identifying human activity in palaeoecological records (Event Hall)**

Convener(s): Simon Haberle, Alistair Seddon, David McWethy

H10-P01	Krystyna M Saunders	Rapid and cost-effective assessments of human impacts: applying scanning techniques to lake sediment cores
H10-P02	Nathalie Dubois	Reconstructing anthropogenic soil erosion using compound-specific radiocarbon analysis
H10-P03	Elena Novenko	Holocene environment dynamics and human activity in the forest-steppe zone of European Russia (satellite and pollen-based reconstructions)
H10-P04	Liisa Puusepp	The recent palaeolimnology of two Japanese lakes: responses to catchment disturbances and atmospheric contamination
H10-P05	Jota Kiyonaga	Palynological study on extent of secondary forests of <i>Quercus serrata</i> and <i>Pinus densiflora</i> in central Japan since early historic times
H10-P06	Keely Mills	The ecological consequences of European arrival in Australia: contemporary and palaeolimnological evidence from the western Victorian Volcanic Plains and beyond
H10-P07	Blanca L. Figueroa-Rangel	HUMAN DISTURBANCE AND CLIMATE CHANGE IN NEOTROPICAL MOUNTAIN FORESTS DURING THE HOLOCENE

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H13] New frontiers in ancient midden research (Event Hall)**

Convener(s): Brian Chase, Claudio Latorre

H13-P01	Brian M Chase	The nature and potential of rock hyrax middens as palaeoenvironmental archives
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28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H16] Environmental consequences of the onset and development of agricultural societies (Event Hall)**

Convener(s): Ralph Fyfe, Florence Mazier, Gert Verstraeten, Jessie Woodbridge

H16-P01	Cesar Morales-Molino	Exploring the linkages between anthropogenic activities and the regional extinction of <i>Pinus nigra</i> Arnold in inland Spain during the Holocene
H16-P02	Geoffrey E Hill	Using modern analogue Coleopteran (beetle) datasets to quantify Holocene landscape cover
H16-P03	Ralph M Fyfe	Environmental consequences of the spread of agriculture across Europe: a pseudobiomisation approach to Holocene land-cover reconstruction
H16-P04	Ralph M Fyfe	Temporal and spatial patterns in human modification of vegetation during the Holocene in Scotland
H16-P05	Meriam EL OUAHABI	Deforestation and soil-loss linked to Bronze and Roman occupations recorded in the Amik Basin (Southern Turkey)
H16-P06	Nicki Whitehouse	Landscape and archaeological dynamics of early farming communities on the western European margins
H16-P07	Yvette Eley	Linking climate change and human activity in the Peruvian Andes: using leaf wax biomarkers to reconstruct past agricultural practices
H16-P08	Withdrawn	

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H18] Hominin evolution and cultural adaptation during the African Quaternary period (Event Hall)**

Convener(s): Christine A. Ogola, Julius B. Lejju

H18-P01	Daniele Colombaroli	Testing hypotheses on hominin adaptations to fire-prone ecosystems
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H18-P02 **Hideo Nakaya** The Early Pleistocene mammalian fauna and paleoenvironments of Konso hominid site, South Ethiopia

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P02] Palaeoclimate modeling in PMIP (Event Hall)

Convener(s): Pascale Braconnot, Sandy Harrison

P02-P01	Wenmin Man	Simulated variability during the last millennium: Results from transient simulation with the FGOALS-s2 climate system model
P02-P02	Rumi Ohgaito	The modeling of mineral dust aerosol at the Last Glacial Maximum using MIROC-ESM and analyses on the feedbacks on the climate
P02-P03	Pascale Braconnot	Paleo ENSO in PMIP and IPSL simulations
P02-P04	Kenji Izumi	North American paleoclimate reconstruction since Last Glacial Maximum using inverse-modeling through iterative forward modeling approach
P02-P05	Yurui Zhang	The effect of ice sheets on climate during early Holocene in North Hemisphere
P02-P06	Kazuyuki Saito	Late Quaternary frozen ground distributions in the Northern and Southern Hemisphere: Examination of the GCM-derived maps with the observations
P02-P07	Didier Swingedouw	Understanding the climatic trends around Antarctica since the mid-Holocene
P02-P08	Emmanuele Russo	Mid-Holocene Climate of Europe: a case of study with the regional climate model COSMO-CLM
P02-P09	Pauline Beghin	What drives LGM precipitation changes over the Iberian Peninsula
P02-P10	Michael P Erb	Is linearity a sufficient model for interpreting long-term climate variability of the late Quaternary?
P02-P11	Christelle Hely	Evaluation of the West African climate in IPSLCM5A transient simulation over the last 6000 years: contribution of LPJ-GUESS and pollen to the termination chronology of the African humid period

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P04] Understanding interglacial climate (Event Hall)

Convener(s): Qiuzhen Yin, Marie-France Loutre, Jerry F. McManus, Bette L. Otto-Bliesner

P04-P01	Sarah A Shackleton	Eemian ocean temperature reconstruction from a 'horizontal ice core'
P04-P02	Pepijn Bakker	Orbital forcing and the simulated sea ice response during interglacials.
P04-P03	Judy RM Allen	Eemian and Holocene palaeoenvironments of southern Italy: A comparative analysis
P04-P04	Valentina Vanghi	Speleothem chronology from Frassassi cave system (Central Italy): new insights on the timing of speleogenesis and the geomorphological and paleoclimatological evolution of the region.
P04-P05	Naiqin Wu	Climatic and environmental changes during the formation of S5 paleosol revealed by a mollusk fossil record from the Xifeng loess sequence in the Loess Plateau, China
P04-P06	Jennifer E Sherriff	Understanding the terrestrial response to sub-orbital climatic variability during Marine Oxygen Isotope Stage 11 in western Europe: Examples from the British Isles
P04-P07	Matt T Ryan	Ocean-atmospheric interactions from south-west New Zealand, over the last two glacial-interglacial cycles
P04-P08	Aline Govin	Chronologies of marine sediment cores during the Last Interglacial: strengths and limitations of commonly used climato-stratigraphic alignments of marine sediment cores over the Last Interglacial
P04-P09	Kosuke Nakano	High-resolution climate variation during marine isotope stage 11 from a core of Osaka Bay, southwest Japan

P04-P10 **Rajarshi Roychowdhury** Precessional effects on Ice-Sheet variability at different eccentricities

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P06] Environmental and climatic changes in the Mediterranean (Event Hall)

Convener(s): Steffen Mischke, Christoph Zielhofer, William Fletcher

P06-P01	Inna Semenova	Climate conditions and droughts in the Black Sea Steppe province under the modern period and near future
P06-P02	Johan Etourneau	Abrupt changes in the Mediterranean Outflow Waters during the last deglaciation
P06-P03	Steffen Mischke	Pleistocene water bodies in the Levantine deserts
P06-P04	Francesca Sangiorgi	High resolution study of Dinocyst assemblages in Sapropel S1, S3 and S5: preliminary report
P06-P05	Jennifer F E Campbell	Late-Holocene environmental change at a terrestrial bog, Col du Zad, in the Middle Atlas Mountains, Morocco: a multi-proxy palaeoecological approach
P06-P06	Tuncer Demir	Drivers of river-terrace formation in the NE Mediterranean region: evidence from Turkey and Syria
P06-P07	Xavier Rodriguez-Lloveras	Holocene alluvial records and geomorphic changes in the upper Guadalentin basin (SE-Spain)
P06-P08	Veronica Chiarini	HOLOCENE CLIMATE SIGNALS REGISTERED IN BOSNIAN STALAGMITES
P06-P09	Bilgehan Toksoy	HOLOCENE ENVIRONMENTAL EVOLUTION OF LAKE BAFA (EASTERN MEDITERRANEAN)
P06-P10	Federico Di Rita	Late Holocene environmental and climate variability in a multi-proxy record from the Gulf of Gaeta (Tyrrhenian Sea, central Italy)
P06-P11	Rosa M Mediavilla	Out-of-phase temperature and aridity reconstruction for the last millennium in a Mediterranean wetland.

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P13] Palaeoglaciology of Quaternary ice sheets across Eurasia (Event Hall)

Convener(s): Anna Hughes, Helena Alexanderson, Karin Andreassen, Chris Clark, Richard Gyllencreutz, Nina Kirchner, John Inge Svendsen

P13-P01	Francesco Muschitiello	Precise identification of the Baltic Ice Lake drainage during the Late Allerod using varve chronologies and ice-sheet modeling
P13-P02	Sarah L Greenwood	Ice streams, surges and meltwater-driven ice sheet decay in the Gulf of Bothnia revealed by a rich submarine glacial landform record
P13-P03	Jo Brendryen	Late MIS-3, LGM and Heinrich Stadial 1 ice sheet dynamics on the Lofoten-Vesteraalen shelf, northern Norway
P13-P04	Karin Andreassen	Retreat patterns of the former Bjornoyrenna Ice Stream, polar north Atlantic
P13-P05	John Inge Svendsen	The glacial history of the Barents-Kara Sea region during Marine Isotope Stages 3-2
P13-P06	Anna L.C. Hughes	DATED-2: updates to the Eurasian Ice Sheet chronology and time-slice reconstructions

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P15] Using palaeoenvironmental data to quantify climate feedbacks (Event Hall)

Convener(s): Beni Stocker, Colin Prentice

P15-P01	David W Beilman	Terrestrial permafrost dynamics as a significant carbon-cycle feedback to Holocene climate: Mackenzie River Basin permafrost peatlands
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P15-P02	Olga Rudenko	Palaeoecological evidence for middle and late Holocene vegetation, climate and land use in the northern part of the Mid-Russian Upland (European Russia)
P15-P03	Yi Wang	Understanding the Abrupt Changes in mid-Holocene North Africa: A Dynamic Transition from Sustainability to Vulnerability

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P17] Comparing field-based evidence with ice sheet and climate modeling (Event Hall)

Convener(s): Arjen P. Stroeven, Irina Rogozhina, Jonathan M. Harbor, Qiong Zhang

P17-P01	Maureen McHenry	Palaeoglaciology of the Newfoundland Ice Complex, Canada, reconstructed using the glacial geomorphological record and cosmogenic isotope surface exposure dating
P17-P02	Henning Akesson	Fjord geometry and marine outlet glacier stability on deglaciation time scales
P17-P03	Irina Rogozhina	Paleoglacial history of Dronning Maud Land: Numerical modeling guiding field investigations in East Antarctica
P17-P04	Richard Selwyn Jones	Palaeo-dynamics of Transantarctic Mountain outlet glaciers from geomorphology and flowline modelling

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P20] Marine and continental paleoclimates (Event Hall)

Convener(s): A. D. Singh, R. R. Yadav, Manish Tiwari

P20-P01	Komal Verma	Late glacial- Holocene productivity variation in the Bay of Bengal and its relation to summer monsoon induced runoff-overhead precipitation
P20-P02	Manish Tiwari	Centennial Scale Salinity Reconstruction related to Indian Summer Monsoon Precipitation Variability since mid-Holocene
P20-P03	Charlotte Skonieczny	Major changes in wind regimes and monsoon intensity over West Africa across the last termination as indicated by terrigenous supplies
P20-P04	Nitesh Khonde	Late Pleistocene-Holocene land-marine interaction records from the paleo-gulf environment of the Great Rann of Kachchh, Western India
P20-P05	Paola M Garcia-Meneses	Sea level change reconstruction using multiple proxy in Marismas Nacionales, Mexico.

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P22] Asian monsoon variability recorded in various sediments (Event Hall)

Convener(s): Hema Achyuthan, Ken Ikehara, Min-Te Chen, Andrew Hendersen, Ann Holbourn, Steven Clemens, Ryuji Tada, Anjum Farooqui, Christopher Eastoe

P22-P01	Jan F. Schroeder	Millennial-scale variations in monsoonal runoff from Sulawesi over the past 27,000 years
P22-P02	Qiuzhen Yin	Relative Impact of Insolation and Warm Pool surface temperature on the East Asia Summer Monsoon during the MIS-13 interglacial
P22-P03	Manami Sugaya	Terrestrial paleoclimate reconstruction at the Milankovitch time scales based on a marine pollen record from the C9001C core off NE Japan
P22-P04	Jang-Jun Bahk	Paleoceanographic implications and cyclostratigraphy of variations in well-log data from the western slope of the Ulleung Basin, East Sea
P22-P05	In Kwon Um	Sediment provenance changes in the western slope of the Ulleung Basin, East Sea since the LGM
P22-P06	Saiko Sugisaki	Changes in sedimentation rate in the Japan Basin over the last ~300 ka determined using optically stimulated luminescence dating of aeolian silt
P22-P07	Akinori Karasuda	Ultra-high resolution inter-Hole and inter-Site correlation of dark and light layers in the Quaternary sediments of the Japan, Yamato, and Ullung basins drilled during IODP Expedition 346

P22-P08	Yoshimi Kubota	Variations in East Asian summer monsoon deduced from 400,000 year records of Mg/Ca- sea surface temperature and Ba/Ca of IODP Expedition 346 Sites U1428 and U1429
P22-P09	Tomohisa Irino	Seasonal variability of water hydrogen / oxygen isotopes from the Yangtze drainage to the Kuroshio region in the East China Sea
P22-P10	Pai-Sen Yu	Millennial-scale planktic foraminifer fauna and sea surface temperature changes in the northern South China Sea during Heinrich events (IMAGES Core MD972146)
P22-P11	Saiko Sugisaki	OSL dating of Holocene Yangtze delta sediments: implications for sedimentation mechanisms
P22-P12	Mingtong Yu	The deposition of Old Red Sand at Pingtan China on response of the last interglacial east Asian monsoon changes
P22-P13	Shinya Yamamoto	Stable carbon isotopic compositions of plant biomarkers in the sediments from Lake Yamanaka, the northern foot of Mt. Fuji, over the past 12 ka
P22-P14	Priyanka Raja	LATE QUATERNARY PALEOENVIRONMENT INFERRED FROM THE PARSONS VALLEY LAKE SEDIMENTS, NILGIRIS, TAMIL NADU
P22-P15	Georg Stauch	Paleoclimate reconstructions from two catchment areas on the northern Tibetan Plateau
P22-P16	Hideharu Honoki	Changes of eolian dust depositions during last 11000 years in the peat collected at Midagahara wetland on the Mt. Tateyama, central Japan
P22-P17	Houyuan Lu	Asynchronous marine- terrestrial signals of the last deglacial warming in East Asia associated with low- high latitude climate changes
P22-P18	Yanjun Cai	The speleothem records at marginal zone of Asian summer monsoon
P22-P19	Jianbao Liu	Holocene East Asian summer monsoon records in northern China and their inconsistency with Chinese stalagmite $\delta^{18}O$ records
P22-P20	Wei Huang	Asian monsoon variability based on Chinese stalagmite records since the last deglaciation
P22-P21	Shitao Chen	Evidences for a quasi 8-kyr Asian Monsoon oscillation during the last glacial
P22-P22	Zakaria Ghazoui	Lake sediment records of late Holocene monsoon variability in western Nepal (preliminary results)

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [S02] Quaternary chronostratigraphy of the Arctic Ocean (Event Hall)

Convener(s): Claude Hillaire-Marcel, Thomas M Cronin, Anne de Vernal, Martin Jakobsson, Leonid Polyak, Matt O'Regan, Rüdiger Stein

S02-P01	Vikas Kumar Das	Palaeoenvironmental reconstructions of the Late Pleistocene deposits of Kongsfjorden in the Svalbard region, based on multi-proxy approach
S02-P02	Christelle Not	Sedimentology and chronology of sediment cores from Arctic Ocean Ridges: insights from U-series isotopes

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [S06] Eolian deposition and Earth surface systems (Event Hall)

Convener(s): Shiling Yang, Slobodan B. Marković, Eric Oches, Paul Hesse

S06-P01	Sue J McLaren	Loess in Japan and New Zealand
S06-P02	Yi Wu	Implications for the Matuyama-Brunhes boundary recorded in a loess section on the southern margin of Chinese Loess Plateau
S06-P03	Kumiko Goto-Azuma	Variability of Size distribution and shape of dust particles in polar snow and ice
S06-P04	Kaja Zaremba	High-resolution single-grain record of last glacial dust provenance at Beiguoyuan, NW Chinese Loess Plateau

S06-P05	David Fink	21Ne, 10Be and 26Al cosmogenic burial ages of near-surface eolian sand from the Packard Dune field, McMurdo Dry Valleys, Antarctica.
S06-P06	Peng Qian	Geochemical characteristics and material source tracing of aeolian deposit in Yangtze River Delta, East China
S06-P07	Yang Bai	The internal structure of a coastal dune in Guangdong, China: Insights from ground penetrating radar
S06-P08	Philipp Baumgart	Loess deposits in north-east Armenia - high resolute rock magnetic records
S06-P09	Withdrawn	
S06-P10	Shuzhen Peng	Chemical weathering of chlorite and links to magnetic enhancement in Chinese loess deposits
S06-P11	Lin Zeng	Dating thickest loess deposits in NE China and the regional climatic drying during mid-Pleistocene climate transition
S06-P12	Min Ding	Geochemical and grain-size evidence for the provenance of loess deposits in the central Shandong mountainous regions in northern China
S06-P13	Mingrui Qiang	Late Quaternary aeolian deposition in Gonghe Basin, northeastern Qinghai-Tibetan Plateau
S06-P14	Peixian Shu	Links between desert climate fluctuations and solar activity at centennial-scale in the early Holocene: Evidence from major elements of Shenmu section, China
S06-P15	Jibao Dong	C4 plant expansion in Central China associated with enhanced Asian summer monsoon during the Mid-Miocene Climatic Optimum
S06-P16	Paul P Hesse	Quaternary dune systems - a digital mapping approach
S06-P17	Xiangmin Zheng	ESR dating on origin of the Xiashu Loess deposit in Yangtze Delta

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T05] Paleoseismology and EEE parameterization for seismic hazard analyses (Event Hall)

Convener(s): Pablo. G. Silva, Luca Guerrieri, Stephane Baize

T05-P01	Germana Gaudiosi	Macroseismic parametrization of the Salento 20 February, 1743 historical earthquake (Southern Italy)
T05-P02	Miguel A Rodriguez-Pascua	Earthquake Archaeological Effects in the Alhambra (Granada, Southeast of Spain)
T05-P03	Sabina Porfido	Probabilistic and deterministic hazard analysis to validate the ESI scale: the test case of 1976 Guatemala earthquake
T05-P04	Pablo G. Silva	PALEOSEISMOLOGY AND PALAEOGEOGRAPHY OF ANCIENT EARTHQUAKES IN SPAIN: THE USE OF PALAEOENVIRONMENTAL DATA FOR SEISMIC PARAMETERIZATION
T05-P05	Raul Perez-Lopez	Potential source of the 1048 AD Orihuela earthquake in Spain (EMS-VIII) from building damage and rock-falling dated by lichenometry

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T06] Quaternary research on past seismic records (Event Hall)

Convener(s): Klaus Reicherter, Ioannis Papanikolaou, Frank Audemard

T06-P01	Yoshito Nakashima	Application of X-ray computed tomography to liquefied boring cores
T06-P02	Youli Li	Linking rock falls to a paleoearthquake on the North Zhongtiaoshan Fault, Shanxi Graben system, China
T06-P03	Koichi Ando	Estimation of a slip velocity of the Chelungpu Fault associated with 1999 ChiChi earthquake in Taiwan using the numerical calculation about the stratum deformation

T06-P04	Sung-Ja Choi	Evidence of Historic Earthquake and Uplift from a Sea Cave at the Southeastern Coast of Youngil Bay in Korean Peninsula
T06-P05	Toshihiko Sugai	Holocene debris fan development along the foot of the Yoro thrust fault-scarp, central Japan and its usefulness for paleoseismic analysis
T06-P06	David Mackenzie	New constraints on active tectonics in Eastern Kazakhstan
T06-P07	Laura Lamair	The last 300 years of sedimentation in the Fuji Five Lakes: the impact of natural disasters with a special focus on earthquakes
T06-P08	Iliana Aguilar	Earthquake/tsunami geochemical signature of a major historical event in the Gulf of Cariaco (El Pilar Fault): impact of a major landslide on the connection with open sea ?
T06-P09	Klaus Reicherter	Slow active normal faults on Crete
T06-P10	Carlo Alberto Brunori	High resolution analysis of landforms in seismogenic areas: coseismic and palaeoseismic cases in Italy
T06-P11	Alessandro M Michetti	Dating Pleistocene loess and fluvial sequences for paleoseismic analysis of the Monferrato Arc, NW Italy
T06-P12	Maryline Le Beon	Deciphering the paleoseismic history of the Yammouneh fault (Lebanon)
T06-P13	Aggelos Pallikarakis	Paleoenvironmental interpretations and seismic hazard assessment, through borehole cores and surface observations in a tectonically active environment (eastern Corinth Gulf)
T06-P14	Georgios Deligiannakis	Active Faults and Fault Specific Seismic Hazard Maps for the Greater Athens Area, Attica Region, Greece
T06-P15	Ryoichi KIKUCHI	Holocene paleoseismic records and paradoxical vertical movement in northern Sanriku coast, NE Japan, suggesting plate boundary megaquake cycle

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T12] Quaternary glaciations (Event Hall)

Convener(s): Lorna Linch, Danni Pearce, Iestyn Barr, Jan Piotrowski

T12-P01	Samantha S Bromfield	Characterising Periglacial Ramparted Depressions (PRDs) using macroscopic and microscopic methods
T12-P02	Marek W. Ewertowski	Past frost-wedge polygonal networks in Wielkopolska, central-western Poland: significance for climate reconstruction and ice sheet-permafrost interaction
T12-P03	Harold Lovell	Landform-sediment assemblages of palaeoglacier surges
T12-P04	Harold Lovell	Svalbard surging glacier landsystems
T12-P05	Robert Hebenstreit	New evidence for Quaternary glaciations in Taiwan and a recalculation of the equilibrium line altitude
T12-P06	Liudmila R. Semenova	Glaciation in the northern part of European Russia: spread and sequence
T12-P07	Rosa M. Carrasco	The Pleistocene Glaciation in the Sierra de Guadarrama (Iberian Central System). Project methodology
T12-P08	Attila Ciner	Late Quaternary Piedmont Glaciation and Hummocky Moraines in Geyikdag; Insights From Cosmogenic Dating
T12-P09	Mehmet Akif Sarikaya	Eastern Mediterranean Glaciation during the Late Quaternary
T12-P10	Tatsuto AOKI	Reconstruction of paleo-mass balance of the Kitazawa Glacier in the Southern Japanese Alps and the paleoclimate during the last glacial maximum
T12-P11	Orkhonselenge Alyeksandr	Quaternary Glaciations in Mongolian Mountain Ranges
T12-P12	Pinkey Bisht	Reconstruction of Late Quaternary glaciation recorded by glacial and glacio-fluvial landforms in the Dhauliganga valley, Utrakhand.
T12-P13	Serdar Yesilyurt	Extensive ice fields in eastern Turkey during the Last Glacial Maximum

T12-P14	Naki Akcar	Early break-up of the Norwegian Channel Ice Stream and deglaciation of southernmost Norway: Insights from cosmogenic depth-profile dating
T12-P15	Anders Schomacker	Preliminary results on the deglaciation of the Drangajokull ice cap, NW Iceland, based on ³⁶ Cl cosmogenic exposure dating of erratics and bedrock
T12-P16	Timothy P Lane	Deglacial behaviour of ice caps in the Zackenberg region, East Greenland
T12-P17	Ping Fu	Complex erosion patterns produced by the Haizishan paleo-ice cap, SE Tibetan Plateau
T12-P18	Leszek Marks	Dynamics of the Late Saalian ice sheet in the northeastern Poland and northwestern Belarus
T12-P19	Maureen McHenry	The Newfoundland Ice Sheet, Canada, reconstructed using a glacial geological inversion approach and cosmogenic exposure dating.
T12-P20	Mark F.A. Furze	The marine signal of a collapsing ice margin: the catastrophic advance and collapse of the end Pleistocene Viscount Melville Sound Ice Shelf, Canadian Arctic Archipelago
T12-P21	Eugenija Rudnickaite	Carbonates in the heterochronous tills of Lithuania as a criterion of their stratigraphical subdivision and correlation
T12-P22	Sebastian M Gibson	3D Mapping of Quaternary Deposits in Birmingham, West Midlands, England.

28 July (Tue) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T17] The legacy of mountain glaciation (Event Hall)

Convener(s): James Shulmeister, Jürgen Reitner, Glenn D. Thackray, Stefan Winkler

T17-P01	Heather A Haines	The Effect of Glacial Cover on Twentieth Century Hydrological Variability in a Canadian High Alpine Watershed
T17-P02	Stephanie C Mills	The application of a glacier modelling approach to determine variations in the extent of the Kilimanjaro ice field and the associated climatic implications
T17-P03	Lorna D Linch	Deglaciation of the Khibiny Mountains, Kola Peninsula, Arctic Russia: Sedimentological evidence
T17-P04	Juergen M Reitner	The impact of landslides on glacier dynamics during the Last Glacial Cycle in the Eastern Alps (Austria)
T17-P05	Kristina Krklec	Depositional environments and diagenesis of Quaternary carbonate tills in Rujno paleoglacier, Velebit Mountain, Croatia
T17-P06	Tessa Montini	A tree-ring based glacier mass balance proxy record for Easton Glacier in the North Cascade Range, Washington, USA
T17-P07	Jia-Hong Chen	Glacier history in Hohuan Shan area of Taiwan since Last Glacial Maximum
T17-P08	Iestyn D Barr	Controls on cirque and glacier altitudes on the Kamchatka Peninsula

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [C04] Reconstruction and interpretation of paleo sea level records (Event Hall)

Convener(s): Yusuke Yokoyama, Gilbert Camoin, Jody M. Webster, Glenn A. Milne

C04-P01	Kristian Vasskog	Holocene eustatic changes reconstructed from well-dated sea-level records in Scandinavia
C04-P02	Takehige Ishiwa	Relative sea level records during the LGM based on newly obtained sediments from the Bonaparte Gulf, Australia
C04-P03	Alberic Botella	Interpreting Holocene sea-level reconstructions from French Polynesian corals
C04-P04	Andrew C Kemp	Sea-level change in North Carolina, USA during the last 3500 years
C04-P05	Mike Bentley	A relative sea-level database for Antarctica
C04-P06	Kenta Maegakiuchi	Rapid sea-level fall during the earliest phase of Marine Isotope Stage 19 in Osaka Bay, Japan
C04-P07	Cari Zazo	Tracking Quaternary sea-level changes in oldest islands of Canary and Cape Verde Archipelagos
C04-P08	Kazuhiko Fujita	Sea-level fluctuations from late MIS3 to MIS2, inferred from large benthic foraminiferal assemblages: IODP Exp. 325, Great Barrier Reef Environmental Changes
C04-P09	Xuefa Shi	Sea-level control of sedimentary architecture of the Bohai Sea, China during the last 1 Ma
C04-P10	Hironobu Kan	Shallow-water submarine cement observed from the shelf edge of the Great Barrier Reef
C04-P11	Callum R Firth	Field evidence to constrain models of glacio-isostatic uplift in Scotland
C04-P12	Redzhep N. Kurbanov	Pleistocene stratigraphy of southeastern coast of Caspian sea
C04-P13	Giorgia Moscon	VHR reconstruction of one transgressive deposit in the Northern Adriatic Sea (Italy)
C04-P14	Bardaji Teresa	Potential evidences of sea level oscillations within peak MIS5e in Mediterranean coasts of Spain.
C04-P15	Felicity H. Williams	Constraints on Eurasian ice sheet variation during MIS 6 from relative sea-level curves
C04-P16	Vittorio Maselli	Is it possible a sea level fall during the Younger Dryas?
C04-P17	Blaz Miklavic	PHREATIC OVERGROWTHS ON SPELEOTHEMS ON MINAMI-DAITO ISLAND IN NORTHERN PHILIPPINE SEA AS A HOLOCENE SEA LEVEL INDICATOR
C04-P18	Kazuhiro TOYODA	$^{87}\text{Sr}/^{86}\text{Sr}$ ratios in carbonate fractions extracted from core sediments of Lake Ogawara, Japan: High-resolution proxy for paleo-salinity variation of brackish lake water over the last 9 ka
C04-P19	Xinya Yao	Reconstruction of sea level changes by a high-resolution geochemical proxy in Ningbo-Shaoxing plain
C04-P20	Jennifer D Stanford	A statistical re-assessment of multiple far-field deglacial sea-level records
C04-P21	Ruben Banderas	Simulating the response of glacial ice-sheets to past abrupt climate changes
C04-P22	Madhavi A Patterson	Quantifying bioerosion traces in deglacial fossil reef sequences: Spatio-temporal patterns from IODP Expedition 325 cores, Great Barrier Reef, Australia
C04-P23	Kelsey L. Sanborn	Deglacial sea-level history preserved in Hawaiian drowned reef terraces and implications for understanding global records

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [C06] Coastal land-sea interactions (Event Hall)

Convener(s): Mark Bateman, Colin-Murray-Wallace, Jonathon Nott, Toru Tamura

C06-P01	Hong-Chun Li	AMS C-14 dating on fossil shells from Szekou Formation in south Taiwan: Re-examining uplift rate during the past 50Ka
C06-P02	Simona Avnaim-Katav	Modern live and dead assemblages of foraminifera, ostracods and molluscs in estuaries of the southeastern Levantine coast: Implications for palaeo surge events
C06-P03	Magdy Torab	Geomorphological and Geoarchaeological Indicators of the Holocene Sea Level Changes on Ras El Hekma area, NW Coast of Egypt
C06-P04	Takeshi Makinouchi	Subsurface geology of the Nohbi Plain, a typical coastal plain in Japan --Proposals of new aspects--
C06-P05	Marie Noguchi	The recent appearance and development of oyster reefs along the northern coast of Tokyo Bay, Japan - relating to the evolution of ecosystems, chiefly among oysters, macro-benthos and diatoms
C06-P06	Jean-Philippe Degeai	Major storm events in the NW Mediterranean during the late Holocene: a new high-resolution multi-proxy lagoonal sedimentary record
C06-P07	Kartika A Hapsari	Late Holocene environment and land use dynamics in the estuarine Segara Anakan Lagoon, Java, Indonesia
C06-P08	Lauren M Simkins	Assessing the link between coastal morphology, wave energy, and sea ice throughout the Holocene from Antarctic raised beaches
C06-P09	Margot Boese	Late Holocene fluvial and coastal processes at Fulong, northeast Taiwan
C06-P10	Hiroshi Habui	The Submarine Forests around the Japanese archipelago
C06-P11	Stacy Oon	Holocene sea level change and coastal progradation in Weipa, north Queensland, Australia
C06-P12	Torsten Klein	The Palaeogeographical Situation of a Possible Phoenician Harbor in the Hinterland of the Phoenician Settlement in Modern Ayamonte (Province of Huelva/ Lower Andalusia)
C06-P13	Tom L Newton	Seasonal distributions of salt-marsh testate amoebae and their implications for sea-level reconstructions
C06-P14	Takeshi Nakajo	Relationship between development of beach ridge system and human activities in the western Osaka Plain, Japan
C06-P15	Toru Tamura	Massive coastal barrier in SE Vietnam: its recent activity related to the Asian monsoon and sea-level changes
C06-P16	Olga Rudenko	Holocene land-sea interactions at the Laptev Sea continental margin: evidence from pollen and non-pollen palynomorphs assemblages
C06-P17	Tara R Clark	Disturbance and recovery rates in coral communities using high-precision U-Th dating
C06-P18	Keitaro YAMADA	Characteristics of event deposits in volcanic region using grain composition in Beppu Bay, Kyushu, southwest Japan
C06-P19	Virginio H Neumann	The beachrocks of 200 years B.P. in the mouth of the Formoso river, NE Brazil: sandstones intercalated with Halimeda sp.
C06-P20	Robyn H Inglis	Dynamic Coastlines and Human Prehistory: The DISPERSE Project Investigations in the Southern Red Sea
C06-P21	Zhengquan Yao	An astronomical timescale for the Plio-Pleistocene deposits from the Bohai coastal plain, China and implications for glacial-interglacial sedimentation variability
C06-P22	Shigeru Kitamura	Indirect impact of gigantic eruption from Ilopango Caldera to ecology and human activities in the downstream of Lempa River, southern coastal lowland of El Salvador, Central America
C06-P23	Vinayaraj Poliyapram	REFINEMENT OF SHALLOW WATER DEPTH ESTIMATION ALGORITHM BASED ON BOTTOM TYPE CLASSIFICATION AND WEIGHTED LINEAR REGRESSION APPROACH
C06-P24	Withdrawn	

C06-P25	Laura C Reynolds	Holocene Evolution of Carpinteria Marsh, Southern California: A Story of Storms and Subsidence
C06-P26	Joanne Muller	Intense Southwest Florida Hurricane Strikes over the Past 1 Thousand Years
C06-P27	Alastair C Cunningham	The influence of shell hash on OSL ages of coastal sediment
C06-P28	K P Hsu	Effects of the removal of oyster-culture racks and land-sea interactions on copepod assemblages in a eutrophic lagoon in Taiwan
C06-P29	Kazimierz H Szeffler	A Digital Terrain Model of the nearshore bottom as a research tool to prevent abrasion, a Southern Baltic example
C06-P30	Linda Lowhagen	Correlating paleotsunami deposits on Phra Thong Island, Andaman Sea, using geochemical analyses
C06-P31	Yi-Chia Wong	Coastal Cliff-top dune deposit and small terrestrial gastropod shells as indicators of the Late Holocene environments in the Hengchung Peninsula, Taiwan
C06-P32	Michael Fritz	Arctic coastal erosion and the transport of terrigenous material into the Arctic Ocean during the Holocene
C06-P33	Mengjiao Yang	Holocene sea-level fluctuations and paleoenvironmental change reconstruction by using multi-proxies in the eastern China
C06-P34	Shelby Ellis	Reconstructing the Last 150 years of Southwest Florida Hurricane Activity using Lagoonal Sediments
C06-P35	Francesco L CHIOCCI	Rate of morphological evolution of geologically active continental margins during Quaternary; hints from present-day geohazard mapping.
C06-P36	Paula Rodriguez Zorro	What caused an unexpected savanna belt in coastal area of northern South America?

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [C07] Post-glacial drowning of continental shelves (Event Hall)

Convener(s): Claire Mellett, Katsuto Uehara, Katrien Van Landeghem, Brian Todd, Timothy Shaw

C07-P01	Tae Soo Chang	Holocene evolution of the Heuksan mud belt on the tide-dominated Korean shelf: an example of supply-driven sedimentation
C07-P02	Katsuto Uehara	Holocene tidal changes associated with the postglacial sea-level rise in the Tokyo Bay, Eastern Japan
C07-P03	Kunihiko Endo	Rapid transgression, and environmental and vegetational evolution from MIS2 to MIS1 in Tokyo Bay, Japan
C07-P04	Justin K Dix	Sediment transport in the Southern North Sea Section of the North West European Continental Shelf.

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [C15] CMP Commission Poster Session (Event Hall)

Convener(s): Yoshiki Saito

C15-P01	Graham J Nash	East Australian Estuarine Molluscs - The Unexploited Archive
C15-P02	Okuku A Ediang	West African coastal region: investigating the role of integrating global and indigenous knowledge systems in West Africa.
C15-P03	Bunchoeun PICH	Holocene Sediments as Hosts of Hazardous Arsenic in Shallow Cambodian Groundwaters
C15-P04	Ningjing Hu	Lead isotopic ratios as a tracer of Pb origin in Yellow River mouth and the nearby Bohai Sea, China
C15-P05	Jihua Liu	Source apportionment of polycyclic aromatic hydrocarbons (PAHs) in Sediments in the Yellow River Estuary and the nearby Bohai Sea, China
C15-P06	Fei Fei Jia	Holocene aeolian activities in the southeastern Mu Us Desert, China

C15-P07	Michiel M Helsen	Reconstructing Holocene Greenland ice sheet history in an ice sheet - earth system model framework
C15-P08	Muneki Mitamura	Physical Property and Formation Process of Holocene Clay in Osaka Plain, Southwest Japan
C15-P09	Hisashi Nirei	The Tokyo Bay Unconformity, Kanto Continental Shelf and Mandano Ice Age
C15-P10	Keita Honda	Reconstructing magnitude of postglacial marine transgression and regression and their regional variations in Japan
C15-P11	Lima Medeiros Enjolras de A.	Evidence of geochemicals marked in recent Quaternary record from estuaries sediments in the Alagoas and Pernambuco States, Northeast of Brazil
C15-P12	James S Aber	Small-format aerial photography for marine coastal wetland environments
C15-P13	Ashraf Ali Seddique	Geochemical characterization of exposed black shale sediments of Matamuhuri anticline, Bangladesh: In sight on depositional environment
C15-P14	Robert L Barnett	Late Holocene and recent relative sea-level changes at the Magdalen Islands in the Gulf of St Lawrence

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H09] Cultural responses to Late Glacial-Middle Holocene palaeoenvironmental changes in Europe (Event Hall)

Convener(s): Erick Robinson, Felix Riede

H09-P01	Anne Birgitte Nielsen	Can we detect regional scale vegetation changes in response to the 8.2 Ka event in Denmark and Northern Germany?
H09-P02	Benjamin Dietre	Synoptic reconstruction of Holocene climatic and anthropogenic impact on vegetation change in the Silvretta Massif (Austria/Switzerland)
H09-P03	Kazuki Morisaki	Relation between lithic technology and environment in Early Neolithic Northernmost Japan

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H14] Human dynamics in hot deserts (Event Hall)

Convener(s): Atsushi Noguchi, Marco Madella, Andrea Balbo, James Blinkhorn, Yorinao Shitaoka

H14-P01	Yorinao Shitaoka	Optically stimulated luminescence used for dating of desert sediments
H14-P02	Rodrigo Loyola	Lithic landscape and raw materials transport during Late Pleistocene / Early Holocene colonization of Imilac-Punta Negra basins (Atacama desert, Chile)

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H15] Diversification of flora since the late Pliocene (Event Hall)

Convener(s): Arata Momohara, Edoardo Martinetto

H15-P01	Edoardo Martinetto	Extinction times of thermophilous plant taxa of East Asian affinity in southern Europe during the Plio-Pleistocene
H15-P02	Nobuo Ooi	Vegetation history of Japan since the mid-glacial based on palynological data - Database of pollen analysis in Japan
H15-P03	Rika Nishiuchi	Paleovegetation distribution in central Japan in the latest stage of the last glacial maximum

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H19] Pleistocene environments and bifacial technologies (Event Hall)

Convener(s): Parth R. Chauhan

H19-P01	Nicole Limondin-Lozouet	Middle Pleistocene molluscan fauna from Central Italy: palaeoenvironmental, biostratigraphical and biogeographical implications.
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29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H21] Paleoenvironments and human behavioral adaptations in Central Asia (Event Hall)**

Convener(s): Radu Iovita, Kathryn Fitzsimmons

H21-P01	Akio Sato	Sand dunes development and its relation with paleoclimate changes based on OSL ages in the Sarriesik Atyrau Desert, Kazakhsan
H21-P02	Hitoshi Shimizu	Holocene geomorphological development from paleo-channel deposits in Ili delta, Kazakhstan
H21-P03	Arina Khatsenovich	Cultural changes and adaptation in Early Upper Paleolithic of Mongolia
H21-P04	Rustam Suleymanov	Archaeology and environmental dynamics in Central Asia
H21-P05	Zhaken Taimagambetov	Between the steppes and the mountains: old and new data on human-environmental interactions in Kazakhstan

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H25] Paleoenvironmental and cultural landscapes of the first (South) Americans (Event Hall)**

Convener(s): Calogero Santoro, Eugenia Gayo, Claudio Latorre

H25-P01	Daniela Osorio	High-Elevation Foraging and Mobility Strategies during the Late Pleistocene-Early Holocene Transition in the Andes of Northern Chile
H25-P02	Fabiana M. Martin	Discontinuity in human occupations during the Pleistocene-Holocene Transition (11,000-8000 BP) at Cerro Benitez: implications for the history of human peopling of Southern Patagonia

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H29] Organisms and environments: Frontiers in palaeoecological technique development (Event Hall)**

Convener(s): William Gosling, Phillip Jardine, Wesley Fraser, Barry Lomax, Encarni Montoya

H29-P01	Min Cao	Deuterium isotopes of leaf waxes: validation as proxies of hydrological and environmental changes using monthly sediment trap records from a Pyrenean lake
H29-P02	Matthew J Wooller	Post-glacial dispersal of northern pike (<i>Esox cf. lucius</i>) in Eastern Beringia inferred using radiocarbon and ancient-DNA results from an 8,800 year old fish skull preserved in Quartz Lake, interior Alaska
H29-P03	Georgina Milne	Climate envelopes updated for the 21st Century; modern modelling tools improve the reliability of palaeo-climate predictions.
H29-P04	Alistair W.R. Seddon	Palaeo-UV-B reconstructions from fossil pollen. Improving uncertainty estimates using a Bayesian hierarchical modelling approach.
H29-P05	Michelle Farrell	Effects of local environmental conditions on Relative Pollen Productivity: a study of modern pollen-vegetation relationships at Coigach, north-west Scotland
H29-P06	Renee Enevold	Securing maximum diversity of Non Pollen Palynomorphs in palynological samples
H29-P07	Eniko Katalin Magyari	Metabarcoding temperate lake sediments: can we improve plant micro- and macrofossil based biocoenosis reconstructions?
H29-P08	Jie Chang	The potential for applying stable oxygen and hydrogen isotopes in subfossil chironomids from south-eastern Australia as proxy for past changes
H29-P09	Adele CM Julier	Understanding the relationship between vegetation and pollen assemblages in tropical West Africa.

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H30] Domestication in eastern Asia (Event Hall)**

Convener(s): John Dodson, Lucas Heights, Guanghui Dong

H30-P01	YAN WU	The evolution of rice phytolith during the early Neolithic from the Lower Yangtze
H30-P02	Yongtao Zhao	palaeodietary implications from stable isotopic analysis of fauna remains from Xinjiang, China
H30-P03	Xin Jia	How the development of agriculture during the Bronze Age influenced cultural expansion in the basin of West Liao River, Northeast China?
H30-P04	Shaoqing Wen	Rapid male expansion after the origin of agriculture in Neolithic Age of East Asia based on genetic and archaeological evidences

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H31] Human behavioral variability in prehistoric Eurasia (Event Hall)**

Convener(s): Akira Ono, Jun Takakura, Yuichi Nakazawa, Yaroslav V. KUZMIN

H31-P01	Andrei V Grebennikov	GEOCHEMISTRY OF VOLCANIC GLASSES FOR IDENTIFICATION OF UNKNOWN OBSIDIAN SOURCES ON KAMCHATKA PENINSULA (RUSSIAN FAR EAST)
H31-P02	Rebecca M Wragg Sykes	Palaeolithic exploitation of silcrete: a new surface site at a raw material source, Saint-Pierre-Eynac (Haute Loire, France)
H31-P03	Tadeusz Wisniewski	"The reds fills the pits". Sorting different types of flint waste materials within the living spaces on Magdalenian sites in Central Europe
H31-P04	Yoshiaki Otsuka	The Background of Transitions in Microblade Industries in Hokkaido
H31-P05	Nakamura Yoshikatsu	Manufacture and transfer of stone axes: raw materials from Hokuriku region in the Upper Palaeolithic
H31-P06	Jun Hashizume	Transition of hunting weaponry use during the Terminal Pleistocene in eastern Honshu Island, Japan

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H34] HaBCOM Commission Poster Session (Event Hall)**

Convener(s): Akira Ono

H34-P01	Akihiko Suzuki	Relationship between mass strandings of the common paper nautilus, <i>Argonauta argo</i> , and heavy snowfalls on the Japan Sea-side of Hokkaido, Japan
H34-P02	Takafumi Enya	Long-term changes and northward expansion of extant warm-water mollusks in the northern Japan Sea
H34-P03	Alfred N. N. Muzuka	Glacial-Interglacial Fluxes and burial rate of carbon and nitrogen along the Tanzanian continental margin
H34-P04	Minna Valiranta	Plant macrofossil evidence for an early onset of the Holocene summer thermal maximum in northernmost Europe
H34-P05	Paula Rodriguez Zorro	Changes in vegetation and climate using multi-proxy analysis in south and northwestern
H34-P06	Xin Wang	Comparison of dry ashing and wet oxidation methods for recovering articulated husk phytoliths of foxtail millet and common millet from archaeological soil
H34-P07	Elwira Sienkiewicz	Effects of highly acidic environments on phyto- and zooplankton and recovery from the acidification in pit lakes.
H34-P08	Ismaila TOKO IMOROU	Phytogeographical dynamics of <i>Avicennia germinans</i> and <i>Rhizophora racemosa</i> in the coastal zone of Benin
H34-P09	Aleksandra M. Tomczyk	Recreational and regulating ecosystem services in natural protected areas: are the synergies possible?
H34-P10	David J. Nash	Human mobility in the Kalahari Desert during the Middle Stone Age: new insights from provenancing of silcrete artefacts

H34-P11	Kyungcheol Choy	Chemical analyses of terminal Pleistocene hearth residues at the Upward Sun River site in central Alaska
H34-P12	ADISA BENJAMIN OGUNFOLAKAN	AT THE MERCY OF GEOHERITAGE: RECENT GOEARCHAEOLOGICAL INVESTIGATION IN PART OF SOUTHWESTERN NIGERIA
H34-P13	Kyouichi Kikuchi	Investigation of the Kanedori Site, Northern Honshu, Japan
H34-P14	Jiri Chlachula	Geoarchaeology of pre-glacial Palaeo-American sites: A 20-year research retrospective
H34-P15	Sallie L Burrough	An OSL chronology for Stone Age archaeological sites in the upper Zambezi valley.
H34-P16	Isabell Schmidt	Late Pleistocene hunter-gatherer networks: subcontinental or regional expressions?
H34-P17	Shih-Chung Wang	Non-destructive analysis the Ancient Glass Beads Unearthed from the Chungde Site, Hualien
H34-P18	Ryohei Sawaura	The Upper Paleolithic mammal remains and the estimation of hunting seasons in the Shitsukari-Abe Cave, the northernmost part of Honshu, Japan
H34-P19	Ousseni Arouna	Mapping and predictive modelling of time-space changes of land cover in the district of Djidja (Benin, West Africa): lesson for regional planning
H34-P20	Jonathan P Lewis	Danish shell middens as indicators of long-term cultural response to climatic and environmental change
H34-P21	Thijs van Kolfshoten	The larger mammal fauna from the Lower Palaeolithic Schoeningen Spear site and its contribution to hominin subsistence
H34-P22	Masanaru Takai	Changes in the composition of the Pleistocene primate fauna in southern China
H34-P23	Atsushi UEMINE	Fluctuating Inter-regional Relationships during the Late Paleolithic to Jomon Era: From Interdisciplinary Study of Long Distance Transported Obsidian
H34-P24	Takuya Asai	A habit of the stone implement production expresses the difference of groups in the settlement.

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P01] Terrestrial palaeoclimates, palaeosols and palaeoweathering profiles (Event Hall)

Convener(s): Mohammed Rafi Sayyed , Daniela Sauer, Alexander Makeev

P01-P01	Irfan J. Shaikh	Palaeoclimatic significance of the Red Bole horizon (intrabasaltic palaeosol) at Bori Aindi village from Deccan Traps of India: A geochemical approach.
P01-P02	Yougui SONG	CLIMATE INSTABILITY RECORDED BY THE ILI LOESS DURING THE LAST GLACIATION IN THE CENTRAL ASIA

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P24] Extreme environments (Event Hall)

Convener(s): Jean Nicolas Haas, Didier Galop, Hervé Cubizolle

P24-P01	Claire M.C. Rambeau	Environmental reconstruction in arid Southern Levant (Jordan) for the past ca. 40,000 years
P24-P02	Sahbi Jaouadi	Holocene palaeoecological archives of playa lakes (sebkha) in arid lands: potentialities and limits for pollen analyses in central and southern Tunisia (eastern Maghreb).
P24-P03	Jean Nicolas Haas	Reconstruction of Holocene Snow Amounts and Snow Avalanche Frequencies in Western Austria

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P28] Modern calibration of palaeoenvironmental proxies from biogenic carbonate geochemistry (Event Hall)

Convener(s): Amy Prendergast

P28-P01	Nina Keul	The smallest gliders in the ocean- temperature recordings from pteropods
P28-P02	Briony K Chamberlayne	Reconstructing hydrological variability in South Australia using molluscan geochemistry.
P28-P03	Amy L Prendergast	Oxygen isotopes from limpet shells: implications for palaeothermometry and reconstructing seasonal shellfish foraging in the Mediterranean
P28-P04	Kozue Nishida	Temperature dependency of shell microstructural Formation of <i>Scapharca broughtonii</i> (Mollusca: Bivalvia): New insights into age determination and thermal adaptation in molluscs
P28-P05	Emma Loftus	Diagenetic and sampling considerations of Turbo opercula as palaeotemperature proxy
P28-P06	Kazuhiro Yagasaki	Application of radiocarbon dating to <i>Calyptogena</i> bivalve shells present in a cold seep environment: An example of Nankai subduction zone.
P28-P07	Rei Nakashima	Marine Reservoir correction in the Pacific coast of northern Japan using ^{14}C ages of pre-bomb marine mollusks

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P30] East-Central European paleoclimate and paleoenvironment during the last glaciation (Event Hall)

Convener(s): Enikő Magyari, Daniel Veres

P30-P01	Eniko Katalin Magyari	LGM and last termination vegetation dynamics and pollen-based quantitative climate in the East Carpathians: comparison with ecosystem and climate models
P30-P02	Daniel Veres	Geochemical and isotopic records of anthropogenic impact and natural climate change in the Romanian Carpathians during the Holocene
P30-P03	Pal Sumegi	High-resolution climatic and environmental fluctuations for the Middle and Late Pleniglacial (MIS 2) in the Carpathian Basin from the loess profile of Madaras brickyard (Hungary)

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P31] Peat deposits during the Quaternary (Event Hall)

Convener(s): Zicheng Yu, Dan Charman, David Beilman

P31-P01	Julie Loisel	TIMING OF FEN-BOG TRANSITION ACROSS THE NORTHERN PEATLAND DOMAIN
P31-P02	Claire C Treat	Fen to bog to permafrost peatland transitions in high latitudes: Causes and effects of permafrost development
P31-P03	Miriam C Jones	Mid- to late- Holocene climate and vegetation change in a St. Matthew Island, Alaska Peatland: a history of precipitation, temperature, and North Pacific volcanism
P31-P04	Steve Pratte	Holocene palaeoenvironmental reconstruction in a boreal bog (James Bay, NE Canada): Preliminary results
P31-P05	Gael Le Roux	Dating the Anthropocene in peat archives
P31-P06	Malin E Kylander	A Neoglacial carbon burial event in southern Sweden driven by mineral dust fertilization
P31-P07	Katarzyna Marcisz	Carbon accumulation and hydrological dynamics in pristine and disturbed Sphagnum peatlands during the last two millennia
P31-P08	Michal Gasiorowski	Peat development in a nutrient enriched tundra environment of bird cliffs in Hornsund area
P31-P09	Angela V. Gallego-Sala	Carbon climate feedbacks in a tropical peatland
P31-P10	Yan Zhao	Peatland Initiation and Carbon Accumulation in China Over the Last 50,000 Years

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P36] PALCOMM Commission Poster Session (Event Hall)

Convener(s): Keiji Takemura

P36-P01	Zheng Tang	Deglacial pulses of the deep Southern Ocean signals into the subtropical North Atlantic Ocean
P36-P02	Andrea Columbu	Variation of Last Interglacial palaeorainfall dynamics derived from an Italian carbonate speleothem
P36-P03	Katherine A Holt	Harnessing 3D printing for palaeoecology teaching: printing pollen
P36-P04	Shigehiko Shiyake	Fossil beetle assemblage from the LGM peat sediment of Tateoka Formation in Aomori Prefecture, Japan
P36-P05	Yan-Li LEI	Foraminiferal chronospecies, indicating species and community parameter in the CSDP-01 sediment core: important biostratigraphic indices for estimating paleoenvironmental evolution in the Yellow Sea
P36-P06	Yi Liu	Evolution of the Pacific Intertropical Convergence Zone over the past 282,000 years
P36-P07	Monika S. Karpinska-Kolaczek	Non-pollen palynomorphs - valuable proxy contributing to the palaeoenvironmental reconstructions - a case study from NE Poland
P36-P08	Piotr Kolaczek	Late Glacial and Early Holocene changes in vegetation and fire activity in the Halyc-Bukacivci Basin (Western Ukraine) in the light of multi-proxy studies: preliminary results
P36-P09	Hsun-Ming Hu	A stalagmite-inferred climate record in the north central Mediterranean region since 6,500 years ago
P36-P10	Moto Kawamata	Paleomagnetic and micro paleontological studies for the Upper-Middle Pleistocene boundary Tukabara formation distributed along the Tukabara coast, Minamisoma City, Fukushima Prefecture, northeastern Japan.
P36-P11	Xiangyu Li	Title:Mid-Pliocene Westerlies in Climate Simulations of the Pliocene Model Intercomparison Project
P36-P12	Joanne Egan	Aquatic and terrestrial impacts of the mid-Holocene Mount Mazama Eruption, NW North America
P36-P13	Tomoyoshi Murata	Sedimentation processes observed in Nam Ngum dam reservoir of Laos -A newly generated environment on the bottom in a tropical dam reservoir of the Mekong River Basin-
P36-P14	Fouad Al-Kaabi	Fingerprinting changes of depositional environments during the last 7,000 years in estuarine sediments of Moreton Bay, southeast Queensland.
P36-P15	Dongmei Jie	The Quantitative Relation on Phytolith Assemblages between overlying Plant Communities and their Surface Soil in Changbai Mountains in China
P36-P16	Khairun Nisha Mohamed Ramdzan	Application of Palaeoclimate Proxies in Reconstructing Long-Term Discharge of The Ping River, Northern Thailand
P36-P17	Nan Sun	The quantitative reconstruction of the palaeoclimate of the Southern Chinese Loess Plateau during the mid-Holocene
P36-P18	Yumiko Watanabe	Oxygen isotopic variations over the last 70 years of javanese teak trees
P36-P19	Hua ZHANG	Modern pollen rain and its vegetation-climate relationship in the Up-Middle drainage regions of Yellow River
P36-P20	Jiangying Wu	DECADAL-SCALE VARIABILITY OF EAST ASIAN MONSOON DURING LGM REVEALED BY AN ANNUALLY-LAMINATED STALAGMITE FROM HULU CAVE
P36-P21	Huazhong Gao	Environmental changes in middle reaches of Yi River from the Last Deglaciation to the middle Holocene
P36-P22	Hongmei Zhao	Quaternary stratigraphy and environmental evolution of Hetao Basin, China, based on a borehole study

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [S08] Innovative Development and Applications in Quaternary Geochronology (Event Hall)

Convener(s): Liping Zhou, Rainer Grun, Toshio Nakamura, Ashok Singhvi, Shin Toyoda

S08-P01	Gabor Ujvari	High-precision loess chronologies by ¹⁴ C-dating of small molluscs
S08-P02	Masataka Hakozaiki	Regional offsets of atmospheric radiocarbon concentration around 40 degree north in Japan
S08-P03	Shing-Lin Wang	Incremental stepped combustion on clay minerals and terrace sediment from western Taiwan
S08-P04	Anna J. Bourne	A Greenland Tephra Framework 10-130 ka b2k - the use of tephra layers to improve Quaternary chronologies
S08-P05	Jin Cheul Kim	Re-evaluation of the chronology of the Suweolbong tuff ring, Jeju Island, Korea, using OSL and ¹⁴ C
S08-P06	Julie A Durcan	DRAC: an online dose rate and age calculator for trapped charge dating
S08-P07	Maryline Le Beon	Slip rate determination along the Southern Dead Sea fault: optically stimulated luminescence, ¹⁰ Be cosmogenic radionuclide, and ¹⁴ C ages brought face to face
S08-P08	Kazumasa Miura	Thermal history analysis of the active fault gouge
S08-P09	Kayoko Tokuyasu	Changes in optically stimulated luminescence components, thermoluminescence property and impurity content of natural quartz accompanied by thermal annealing treatment
S08-P10	Nasim Mozafari Amiri	Revealing the seismically active periods beyond the historical archives: Fault scarp dating with ³⁶ Cl
S08-P11	Lee J Arnold	OSL dating of individual quartz 'supergrains' from the Early Middle Palaeolithic site of Cuesta de la Bajada, Spain
S08-P12	Kazumi Ito	Luminescence dating of Late Pleistocene marine terrace deposits in the Kamikita coastal plain, northeastern Japan
S08-P13	Ryo Hayashizaki	Bleaching achievements of sand grains of the 2011 Tohoku-oki tsunami deposits and estimation of accurate depositional age of tsunami deposits using OSL dating
S08-P14	Abi E Stone	Rapid age assessment in the Namib Sand Sea using a portable luminescence reader
S08-P15	Simon J Armitage	Optically stimulated luminescence dating of marine sediments: Experience from Ocean Drilling Program Core 658B.
S08-P16	Aiko Shimada	Characteristic of ESR and TL signals in quartz by a change in mixture ratios of various rocks
S08-P17	Liping Zhou	Dating Quaternary Loess in China: a reappraisal of multiple methods
S08-P18	Shin Toyoda	ESR signals and TL colors in quartz for mixture and provenance of river and ocean sediments
S08-P19	Masashi TAKADA	Challenges of OSL-dating of floodplain deposits from the Nara basin in western Japan
S08-P20	Shuangwen Yi	High resolution OSL and post-IR IRSL dating of the last Interglacial-glacial cycle at the Sanbahuo loess site (northeastern China)
S08-P21	Yanwu Duan	The Quartz and K-feldspar luminescence dating of an eolian loess sequence deposited since last interglaciation in Tianshan Mountains, NW China
S08-P22	Manabu Ogata	Thermoluminescence efficiencies induced by X-ray and natural radiation (alpha, beta and gamma rays) measured for synthetic calcite doped with minor elements
S08-P23	Andrew S Hein	Direct-dating of piedmont-style glaciation in Patagonia
S08-P24	Kazuho Horiuchi	Ice core record of ¹⁰ Be and ²⁶ Al over the last 3 kyr from Dome Fuji, Antarctica: foundations for decadal-to-century-scale stratigraphic dating and future ²⁶ Al/ ¹⁰ Be dating
S08-P25	Hitomi Mutou	Characterization of Aeolian Dust, Sediment, with SEM-EDS Automated Particle Analysis
S08-P26	Arjen P. Stroeven	A Younger Dryas Scandinavian reference ¹⁰ Be production rate

S08-P27	Anne Claude	Depth-profile dating of proximal glaciofluvial gravels in the northern Swiss Alpine Foreland
S08-P28	Pierre M. Godbout	Constraining the age of glacial Lake Ojibway high-level phase using surface exposure dating of lakeshore erosional surfaces
S08-P29	Hua Zhao	Luminescence Dating of Volcanic Eruptions in Datong, Northern China
S08-P30	Zhe Liu	Estimation of Paleo-firing Temperatures Using Luminescence Signals for Volcanic Lava Baked Layers in Datong, China
S08-P31	Noriko Hasebe	Observation of alpha recoil tracks in zircon by atomic force microscope: An attempt

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [S09] SACCOM Commission Poster Session (Event Hall)

Convener(s): Takehiko Suzuki

S09-P01	Kim M Cohen	Quaternary correlation charts: the last 2.7 Ma, the last 270 ka
S09-P02	Ping Liu	Time constraint on the Shanshenmiaozui mammalian fauna in the Nihewan Basin, North China, using magnetostratigraphic methods
S09-P03	Zhang Li	Advances in ¹⁰ Be- ²⁶ Al exposure dating at the Xi'an AMS Center and its application
S09-P04	Sei Sun Hong	Quaternary geologic map of the Yeongsan River Basin in Korea
S09-P05	Yasuhide Ezure	Late Quaternary Glaciation in northern Kiso Mountains, central Japan: results of the combination of TCN concentration and snow cover monitoring
S09-P06	Masayuki Utsunomiya	The Neogene-Quaternary boundary in the forearc basin fills on the Miura Peninsula, Pacific side of central Japan
S09-P07	Martin Danisik	Combined U-Th-disequilibrium and (U-Th)/He dating of zircon - a new geochronometer for Quaternary Science

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T04] Processes of dust and loess formation and their climatic implications (Event Hall)

Convener(s): Rivka Amit, Yehouda Enzel, Sandy Harrison, Onn Crouvi

T04-P01	Francois De Vleeschouwer	Elemental and mineral fluxes in peat bogs. Do we record the real thing?
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29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T09] Urban disaster mitigation using Geoinformatics Database (Event Hall)

Convener(s): Mamoru Mimura, Askar Zhussupbekov, Keiji Takemura, Naoko Kitada

T09-P01	Mamoru Mimura	Activity of Development and Application of Geoinformatic Databases
T09-P02	YOKO ISHII	Effective description of the borehole cores with data among the museum collection for school teaching
T09-P03	Naoto Inoue	Several numerical simulations of Uemach flexure zone
T09-P04	Naoko KITADA	Subsurface Geology in Osaka plain using borehole database and trace of Uemachi Fault
T09-P05	Hiroko Ito	Shallow Subsurface Geology of the Omi Basin using Borehole Database
T09-P06	Naoko KITADA	Characteristics of the sedimental environment using borehole database in Wakayama City
T09-P07	Reiji TANAKA	Subsurface structure of Fukuoka Plain from using the borehole data
T09-P08	Yu Niitsuma	Geotechnical Information Database of Tokai Village and Representative Ground Models
T09-P09	Hiroaki Todo	Development of Geotechnical Information Databases for Quaternary Deposits around Metropolitan Tokyo and Surrounding Prefectures by Kanto Chapter of Japanese Geotechnical Society

T09-P10	Ryuji Ehara	Practical example using a shallow sedimentary structure model for dynamic analysis of public infrastructure by application of Geotechnical Database in the Osaka sedimentary ground
T09-P11	Susumu NONOGAKI	Three-Dimensional Geological Modeling of the Northern Part of the Boso Peninsula, Japan
T09-P12	Susumu Yasuda	Study on the liquefaction occurred along the Old Sumida River during the Great East Japan Earthquake and the Kantō Earthquake
T09-P13	Naoto Inoue	Geological model of Kansai International Airport for Geo-technical Problem : Integration of borehole DB, 1300m KIX18-1 borehole core and geophysical data
T09-P14	Kento Nakao	Three-dimensional geological models of sedimentary deposits in a coastal alluvial plain: A case study of the uplifted Miyazaki Plain
T09-P15	Ryota Hashimoto	Simulation of simple earth pressure problem using NMM-DDA
T09-P16	Kazuhiro ODA	Identification of slopes with higher risk to deep-seated catastrophic landslides based on information processing techniques
T09-P17	Mai Sawada	Geotechnical evaluation of rainfall induced slope failure in compacted tumulus mounds
T09-P18	Lea Tien Tay	Landslide Hazard Mapping Using Dominant Factors with Frequency Ratio and Poisson Method
T09-P19	Satoshi Murakami	Historical Landslide Database in Peninsular Malaysia Integrated Information of Antecedent Precipitation Related to Slope Disaster
T09-P20	Jiacong Hu	The characteristics of temporal patterns of extreme temperature and precipitation events in Guangdong from 1961 to 2013
T09-P21	Vyacheslav Palchik	Investigation of methane emission from abandoned subsurface coal mines to mitigate the explosion hazard in occupied buildings
T09-P22	Alex Souza Moraes	GEOCHEMICAL BEHAVIOR OF MAJOR AND TRACE ELEMENTS IN QUATERNARY SOILS AND SEDIMENTS IN THE SUAPE HARBOR INDUSTRIAL COMPLEX, NE BRAZIL

29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T13] Extreme disasters and responses from Quaternary science and geotechnical engineering (Event Hall)

Convener(s): Kazuya Yasuhara, Masatomo Umitsu, Hemanta Hazarika

T13-P01	Kazuya Yasuhara	Effects of sea-level rise and land subsidence on coastal inundation in the Echigo Plain in Niigata, Japan
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29 July (Wed) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T20] Urban soil development (Event Hall)

Convener(s): Makiko Watanabe, Takashi Kosaki, Masayuki Kawahigashi, Ganlin Zhang, Charzynski Przemyslaw

T20-P01	Seiya Miyajima	Application of CCD camera apparatus for soil profile observation in urban area
T20-P02	Mie Takeda	Developing a water source forest conserved in a suburban park into an educational space

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [G03] Quaternary human activity: evolving perspectives, climate change, and mitigation strategies (Event Hall)**

Convener(s): George T. Stone, Joy S. Singarayer, Jan Zalasiewicz, John J. Clague, Jed O. Kaplan, Michael E. Mann, Colin Waters, Mark Williams,

G03-P01	Margaret C Smith	The Climatic Impact of Anthropogenic Land Use Changes throughout the Holocene
G03-P02	Dibas Shrestha	Spatial Variations in the Diurnal pattern of Precipitation over Nepal Himalayas
G03-P03	Yue Chin Chew	Effects of ocean acidification on bivalve nutrient uptake and biomineralization as traced with radiocarbon
G03-P04	Wei Zhang	The study of changes in distribution of the ancient human sites about 4.0 ka B.P. in the Yishu River Basin, Shandong Province, China
G03-P05	Ming-yong Zhu	Spatial patterns and impacts of soil conservation service in the area of upper and middle of Yellow River
G03-P06	Assia Fernane	Human settlement versus Holocene climates over the last 7,000 years cal BP in Southern Brittany coast (NW France)
G03-P07	Asdani Soehaimi	POTENTIAL EARTHQUAKE HAZARD MICROZONATION OF MATARAM CITY, WEST NUSATENGARA PROVINCE, INDONESIA

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [C05] Asian Monsoon and coastal evolution (Event Hall)**

Convener(s): Toru Tamura, Yongqiang Zong

C05-P01	Akiko Tanaka	SAR (Synthetic Aperture Radar) data for coastal monitoring in Asian delta areas
C05-P02	Vishnu Mohan S.	HOLOCENE CLIMATIC VICISSITUDES FROM SOUTH WESTERN COAST OF INDIA: APPRAISAL OF STABLE ISOTOPES AND PALYNOLOGY

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [C08] Ice-sheet variability in warm climates: geologic records and model simulations (Event Hall)**

Convener(s): Anders E. Carlson, Alan C. Mix, Tina van De Flierdt, Nicolaj K. Larsen, Jeremy S. Hoffman

C08-P01	James A Smith	Sub-ice shelf sediment cores constrain the unpinning of Pine Island Glacier from a sea-floor ridge during the 20th Century
C08-P02	Gaylen J Sinclair	The late Holocene behavior of the southern Greenland Ice Sheet: insights from threshold lake records
C08-P03	Nicolaj K Larsen	Constraining ice marginal fluctuations in West Greenland using threshold lake records
C08-P04	Withdrawn	
C08-P05	Max D Holloway	Modelling the Isotopic Response to Antarctic Ice Sheet Change During the Last Interglacial
C08-P06	Karen Vyverberg	Assessing the potential for sea-level oscillations during MIS 5e from stratigraphic facies transitions in the Seychelles
C08-P07	Qiuzhen Yin	Modelling the Northern Hemisphere ice sheets during the interglacial MIS-13
C08-P08	Mads Faurschou Knudsen	A multi-nuclide approach to constrain landscape evolution and past erosion rates in previously glaciated terrains
C08-P09	Benedict Reinardy	Repeated advance and retreat of the East Antarctic Ice Sheet on the continental shelf during the early Pliocene warm period
C08-P10	Nicholas J. Roberts	Extensive glaciation in the tropical Bolivian Andes during late Pliocene warmth

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [C10] SHELVES (Event Hall)**

Convener(s): J. Vaughn Barrie, Till J.J. Hanebuth, Francisco J. Lobo, Helenice Vital

C10-P01	Till J Hanebuth	Satellite-based quantification of the bottom trawling induced sediment resuspension over an entire shelf
C10-P02	Patricia P. B. Eichler	Living Foraminiferal species as indicators of cold-warm water masses interaction and upwelling areas
C10-P03	Limin HU	Perylene in shelf sediments: A potential indicator to assess the sediment footprint of large river influence

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H11] Chronology in human evolutionary studies (Event Hall)**

Convener(s): Shuji Matsu'ura, Yousuke Kaifu, Megumi Kondo

H11-P01	Helena Hercman	Radiocarbon dating of soot aggregates - black layers from speleothems dating example
H11-P02	Yoichi Kondo	The chronology and paleoenvironment of large vertebrates fossils and archaeological materials from the Tategahana site, central Japan
H11-P03	Giancarlo Scardia	New chronologic data on the Early Paleolithic of the Zarqa Valley, Jordan
H11-P04	Koyo Kumazawa	Magnetostratigraphy of hominid-bearing beds in Trinil, Java

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H22] Long-term palaeoecological perspectives of biodiversity, community dynamics and ecological function (Event Hall)**

Convener(s): Nicki Whitehouse, Helen Roe, Donatella Magri, Sandra Nogué

H22-P01	Hao-wen TONG	Quaternary large-mammal assemblages and their paleoenvironmental implications in China
H22-P02	Suzette Flantua	A pollen-driven reconstruction of north Andean connectivity dynamics since the last Glacial Maximum
H22-P03	Alwynne H McGeever	Reconstructing population dynamics of Pinus and Ulmus across Europe during the Holocene.
H22-P04	Miguel Olivera-Vargas	CAN DIVERSITY AND STRUCTURE OF NEOTROPICAL FORESTS BE REFLECTED IN MODERN AND FOSSIL POLLEN ASSEMBLAGES?
H22-P05	Peter G Langdon	Lakes and the Arctic Carbon Cycle (LAC)
H22-P06	Maria Rita Palombo	Climate action and terrestrial ecosystems dynamics during the Quaternary: a Mediterranean perspective
H22-P07	Francis M Rowney	Interglacial ecology in Northwest Europe during the early Middle Pleistocene
H22-P08	Christina Ani Setyaningsih	High resolution Holocene vegetation dynamics of sub-mountain rainforests following volcanic ash deposition in the Kerinci Seblat National Park, Sumatra (Indonesia)
H22-P09	M. Jane Bunting	The science and art of pollen spectrum interpretation
H22-P10	Michael J Grant	Reconstructing managed landscapes from palaeoecological records: the challenge of coppicing
H22-P11	Josu Aranbarri	The distribution of Corylus avellana L. in the Iberian Peninsula since the Last Glacial Maximum: a palaeobotanical and modelling approach
H22-P12	Hiroo Nasu	Changes in species diversity of rice paddy weeds from the 7th to 20th century: a case study at the Honson-Imura-B site, south-central Japan
H22-P13	Jesus Rodriguez	Modeling human settlement, fauna and flora dynamics in Europe during the Mid-Pleistocene Revolution (1.2 to 0.4 Ma)
H22-P14	Fumio Nakazawa	Species identification of Pinus pollen found in a glacier using a whole genome amplification method

H22-P15	Jennifer L Clear	Towards quantifying Holocene disturbance dynamics of the Norway spruce (<i>Picea abies</i>) mountain forest in central Europe: A multi-disciplinary approach combining palaeoecology and dendroecology
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31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)
Poster: [H26] Climate change and human evolution (Event Hall)

Convener(s): Minoru Yoneda, Ayako Abe-Ouchi, Takashi Oguchi, Yusuke Yokoyama

H26-P01	Angela A Bruch	Early Pleistocene regional environment before, during and after the first expansion of early Homo into Southern Spain - preliminary results from the Palominas drill core
H26-P02	Takamasa Hirashima	Assessment of climate change caused by the eruption of Toba
H26-P03	Amy Jeffrey	Exploring human responses to climate change in Mediterranean and Atlantic North Africa using oxygen and carbon stable isotopes from small mammal teeth
H26-P04	Ryouta O'ishi	Vegetation change in Europe during the Late Pleistocene dispersal of Modern Humans
H26-P05	Wing-Le Chan	Simulating stadial and interstadial climates in the Late Pleistocene with the MIROC model
H26-P06	Stephen P Obrochta	Regional last glacial climate synthesis for the Eastern Mediterranean
H26-P07	SUSAN G. KEATES	Chronology of Paleolithic humans in Eurasia and their relationship to climatic fluctuations in the Late Pleistocene
H26-P08	Zhaoyu Zhu	The Lantian Homo erectus occupied on the Chinese Loess Plateau in 1.63 million years ago

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)
Poster: [H32] Geoarchaeology: integrating palaeoenvironmental and archaeological records for ancient landscape reconstruction (Event Hall)

Convener(s): Rolfe D. Mandel, Lisa-Marie Shillito, Julie Durcan, Robyn Inglis, Kathleen Nicoll

H32-P01	Omar R Reyes	Earthquake and coastal archaeology: Shifting shorelines of the South Pacific Coast (Chonos Archipelago, Chile)
H32-P02	Fouad S Al-Kaabi	Study of the palaeoecology and palaeoclimate of Holocene deposits within selected archaeological sites in Mesopotamian plain
H32-P03	Joerg Hausmann	Direct push tools in the frame of geoarchaeological site investigation in floodplains and wetlands
H32-P04	Brent D Koppel	Boom and bust: The rise and fall of <i>Anadara granosa</i> in Holocene northern Australia
H32-P05	Yoav Avni	Climate change versus anthropogenic factors: the desert ghost towns and the collapse of desert agriculture in the Middle East as a case study
H32-P06	Julia Meister	Reconstructing agricultural activities at the Early Bronze Age settlement of Jawa, northern Jordan - an attempt to integrate archaeological and paleoenvironmental records in a multi-proxy approach
H32-P07	TOMOYA AONO	Jomon Adaptation to Climate Change: Studies from Shell-mounds and Archaeological Settlements, Northern Japan
H32-P08	Anton Hansson	Human interaction with a dynamic early Holocene coastland ecosystem - a lost landscape in the Baltic Sea
H32-P09	Adilkhan Baibatsha	Geoarchaeological study of environmental changes of the Quaternary in the Kazakh steppe and northern Eurasia
H32-P10	Camille Faisse	Paleoenvironmental and archaeological records for ancient landscape reconstruction: the ancient roman harbour of Narbonne (Aude, France)
H32-P11	Guan-nan Zou	Geochronology and paleoenvironment of the Taoshan site, northeastern China

H32-P12	Carlos E Cordova	Geoarchaeology of complex stratigraphic contexts in the Paleolithic of Azraq-Shishan, Jordan: Towards a 3-D model of paleolandscape evolution
H32-P13	Martin Schumacher	Human impact on Mid-Holocene vegetation and landscape development in the Carpathian region: a review
H32-P14	Lyudmila S. Shumilovskikh	Some notes on agropastoral activities on the Gorgan Plain (NE Iran) based on a palynological study
H32-P15	Benoit Devillers	Coastal and human settlement in the lower Herault river (Southern France) since the Neolithic: environment - human society interactions in holocene mediterranean
H32-P16	Patricio Lopez	Reconstructing drowned terrestrial landscapes: paleoecology of a late Pleistocene extinct faunal assemblage: Site GNL Quintero 1 (GNLQ1) (32° S, Central Chile)
H32-P17	Hannes Laermanns	Coastal evolution of Western Georgia - natural and anthropogenic forcing in the Rioni delta region during the last six millennia
H32-P18	Michael Thelemann	Natural Area Potential for Prehistoric Iron Production in the Widawa Catchment Area in Eastern Silesia, Poland
H32-P19	Fumie Iizuka	Coastal environmental change, emergence of pottery during Archaic to Formative Transitions: Comparing Caribbean Colombia and central Pacific Panama
H32-P20	Asya V. Engovatova	Medieval environmental change and the Viking diaspora in the Upper Volga River and their influence on the formation of the early Rus state
H32-P21	Jun-Wu SHU	Impact of Tides on the Rice-based Neolithic Cultures in the Hangzhou Bay, East China: Pollen Evidence
H32-P22	Stefano Marabini	The evolution of fairy chimneys in Goreme valley (Cappadocia, Turkey): new geomorphological and stratigraphic assessments
H32-P23	Wiebke Bebermeier	Geoarchaeological insights from the excavation of the ancient Citadel of Anuradhapura, Sri Lanka
H32-P24	Barbara Niezabitowska-Wisniewska	Record of Neoholocene environmental conditions in the barrows of the Corded Ware Culture and their vicinity (Ulow, Tomaszow Roztocze, SE Poland)
H32-P25	Can Wang	Prehistoric demographic fluctuations in China inferred from radiocarbon data and their linkage with climate change over the past 50,000 years
H32-P26	Sandor Gulyas	Preliminary results of anthropological, zooarcheological and geochemical (isotope and trace element) analyses of human, animal and soil remains from an Early Avar Age (6-7th c. AD) cemetery of SE Hungary
H32-P27	Julienne Piana	Landscape trajectories during the Lateglacial and the Holocene in the Oise River Valley (France): the case study of "Le Clos Holette" archaeological site (Brissay-Choigny)
H32-P28	Makoto Kikuchi	Methods for reconstructing the evolution of archaeological landscapes in alluvial lowlands of Japan over the past 2,000 years

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P05] Climate change in the tropical South Pacific during the Late Quaternary (Event Hall)

Convener(s): David Sear, Julian Sachs, Kim M. Cobb, John Chiang, Pete Langdon

P05-P01	Priscilla K Le Mezo	Mechanisms behind primary production distribution during the last glacial-interglacial cycle: focus on the tropical Pacific Ocean
P05-P02	Isabelle Couchoud	A palaeorainfall record from Central Pacific over the last millennia from speleothems: preliminary results

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P09] Holocene rapid climate changes (Event Hall)

Convener(s): Masanobu Yamamoto, Min-Te Chen, Michinobu Kuwae, Ryuji Asami, Da-Cheng Lin

P09-P01	Prabhin Sukumaran	Fluvial responses during Little Ice Age; Evidences from South-west Indian Monsoon River
P09-P02	Fabian Welc	Structure, chronology and impact of the Sub-pluvial Saqqara - last wet climatic interval in northeastern Africa correlated with 4,2 ky event
P09-P03	Tatsuro Shindoh	Relationship between cave environment and geochemistry of drip water at Inazumi cave, Oita, Japan
P09-P04	Ryuji Asami	Paleoclimate variability around the subtropical northwest Pacific region in stalagmite records from Gyokusen Cave in Okinawa-jima, Ryukyu Islands
P09-P05	Jinguo Dong	Abrupt shift of the East Asian summer monsoon at mid-late Holocene transition: insight from absolute-dated stalagmite records, north China
P09-P06	Huei-Fen Chen	The study on the frequency and landing positions of paleo-typhoons since 2000 years ago in China
P09-P07	Ryo Hisamochi	The observation of stalagmite fluorescent laminae structure for lamina count dating
P09-P08	Fang Gu	Late Quaternary Vegetation and Climate Evolution in Southeast China
P09-P09	Taiki Mori	Holocene climatic changes recorded in a stalagmite oxygen isotope from central Mie, Japan
P09-P10	Ilona Pal	Responses of terrestrial vegetation to Holocene rapid climate change events in the Retezat Mts
P09-P11	Alan J Hidy	¹⁰ Be exposure dating of Late Holocene and Recess Peak moraines in the Sierra Nevada, California
P09-P12	Jingtai Han	Holocene hydrogen isotopic record of long-chain alkanes from Sihailongwan maar lake sediment in Northeast China and paleoclimatic implications
P09-P13	Rodrigo P Villa Martinez	VEGETATION, FIRE AND CLIMATE OVER THE LAST 4000 YRS IN CENTRAL WEST PATAGONIA REVEALED BY LAGO LAS MELLIZAS RECORD (45 lat. south)
P09-P14	Monika Markowska	Paleo-aridity recorded in semi-arid climate speleothem

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P10] Marine paleoclimate proxies (Event Hall)

Convener(s): Rajeev Saraswat, Rajiv Nigam, David W. Lea, Qingyun Nan

P10-P01	Rajeev Saraswat	Re-visiting the Globigerinoides ruber oxygen isotope salinity temperature relationship in the Indian Ocean
P10-P02	Satomi Osawa	Seasonal variations in stable isotopic composition of planktonic foraminifera: sediment trap results from the northwestern North Pacific
P10-P03	Chuanxiu Luo	Transportation modes of pollen in surface water samples from the South China Sea and their environmental significance
P10-P04	Qingyun Nan	Sea surface temperature and salinity reconstruction based on stable isotopes and Mg/Ca of planktonic foraminifera in the Western Pacific Warm Pool during the last glacial
P10-P05	Ludvig Loewemark	Bioturbation and trace fossil response to late Quaternary changes in sea ice conditions in the Arctic Ocean north of Greenland
P10-P06	Zhen Li	Holocene climate and sedimentary environment recorded by the high-resolution multiple proxies in the continental slope of the northern South China Sea
P10-P07	Anastasia Poliakova	Pollen and fern spores recorded in the recent and the Late Holocene marine sediments from the Java Sea
P10-P08	Withdrawn	

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P21] Tibetan Plateau and arid Central Asia (Event Hall)

Convener(s): Fahu Chen, Steffen Mischke, Andrew Henderson

P21-P01	Carolina Mueller	High-resolution climate reconstruction derived from a 1200-year long pollen record from the NE Qinghai Tibetan Plateau and its implications for discussion of the late Holocene environmental dynamics.
P21-P02	Withdrawn	
P21-P03	Lingyue Wang	DISCUSSION ABOUT THE VARIATION OF PERMAFROST BOUNDARY IN LGM AND HOLOCENE MEGATHERMAL, TIBETAN PLATEAU
P21-P04	Suman Lata Rawat	Reconstruction of climate variability during the last ~13000 years in the Lahaul, NW Himalaya: A multi proxy approach
P21-P05	Steffen Mischke	The Holocene history of Lop Nur (Tarim Basin, Xinjiang) inferred from grain size, microfossil and stable isotope data
P21-P06	Xiaojian Zhang	Asynchronous Holocene strength of the East Asian winter monsoon
P21-P07	Xingxing Liu	Paleoclimatic variations in the northeastern Tibet since the last deglaciation revealed by sensitive grain-size populations of Lake Qinghai sediments
P21-P08	Qiufang Chang	Chronology and origin of the topping pasturing loess layer in the Qinghai- Tibetan Plateau
P21-P09	Min Zhao	Reconstruction of climate and vegetation changes over the past 35 Ka from Stalagmite YLD-15 of Yelang Cave in central Guizhou, China
P21-P10	Gengnian Liu	¹⁰ Be Exposure dating Constrained Late Quaternary Glaciation in Nalati Range of Tian Shan
P21-P11	Hao Long	Timing of mega-lake period from western China using K-feldspar luminescence dating: Insight from Zhuyeze palaeolake in Tengger Desert
P21-P12	Sergey K Krivonogov	Environmental history of Lake Chany, southern Western Siberia
P21-P13	Ruijie Lu	Holocene aeolian activity and climatic change in Qinghai Lake basin, northeastern Qinghai-Tibetan Plateau
P21-P14	Aifeng Zhou	Changes in the radiocarbon reservoir age in Lake Xingyun, southwestern China during the Holocene
P21-P15	Enlou Zhang	Stable isotope evidence of Holocene environmental change at Lake Muge, Southeast Margin of the Tibetan Plateau
P21-P16	Zaijun Li	The stepwise expansions of deserts in northwestern China after late Pliocene
P21-P17	Xiao LIN	Organic geochemical records of environmental variability in Tangra Yumco during the last 5000 years, Tibetan Plateau
P21-P18	Wei Huang	Definition of the core zone of the "westerlies-dominated climatic regime" in Asia, and its controlling factors during the instrumental period
P21-P19	Xinmiao Lyu	Airborne pollen-potential indicator for the ISM-Westerlies interaction in the Tibetan Plateau
P21-P20	Robin Blomdin	Spatial analysis of glacial geomorphology, ELAs and apparent exposure ages across the Tian Shan, Central Asia
P21-P21	Haichao Xie	Increasing Holocene moisture in arid central Asia indicated by organic carbon isotope at Lujiaowan loess-paleosol sequence in Xinjiang, NW China
P21-P22	Jianhui Chen	Chironomid-based high-resolution hydroclimatic reconstruction for the arid central Asia during the last 2000 years
P21-P23	Mauro Alivernini	A Late Quaternary lake level curve for Taro Co and adjoining lakes, Tibetan Plateau
P21-P24	Yinghua Zheng	Climate variations documented by aeolian sediments in middle reaches of Yarlung Zangbo river since 8.6 ka B.P.

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [P25] Sea ice in the Quaternary (Event Hall)**

Convener(s): Eric Wolff, Anne de Vernal, Rainer Gersonde, Hugues Goosse, Marit-Solveig Seidenkrantz

P25-P01	Wenshen Xiao	Sea ice development in the Southern Ocean Atlantic and western Indian sectors since 30 ka
P25-P02	Anna J Pienkowski	ARCTIC SEA-ICE PROXIES: A COMPARISON BETWEEN BIOMARKERS (PIP25), BIOGENIC SILICA, AND MICROPALAEONTOLOGICAL APPROACHES
P25-P03	Mark F.A. Furze	Marine mammals remains as palaeo-sea-ice indicators in Arctic North America: a reassessment
P25-P04	Maija Heikkila	Dinoflagellate cyst production in the Hudson Bay system - implications for past sea-ice reconstruction
P25-P05	Withdrawn	
P25-P06	Francois Klein	Data assimilation of mid-Holocene Arctic sea ice concentration
P25-P07	Caroline Clotten	Sea ice extent in the Nordic Seas around the Pliocene-Quaternary boundary (~2.6 Ma)

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [P27] Climate changes from lake sediments during late Quaternary (Event Hall)**

Convener(s): Fujio Kumon, Yoshio Inouchi, Keiji Takemura

P27-P01	Nagayoshi Katsuta	A Pleistocene history of environmental dry and wet conditions in semi-arid central Asia
P27-P02	Koji Shichi	Vegetation change in the Northwestern Mongolia since the middle Pleistocene based on pollen records from sediment core of Lake Hovsgol
P27-P03	Keiji TAKEMURA	Lake Biwa Sedimentary Record for reconstruction of Quaternary Paleoenvironment
P27-P04	Akira Hayashida	Chronology of Lake Biwa sediments for the last 50 kyrs: integration of radiocarbon ages, tephrochronology and environmental magnetic records
P27-P05	Kei Watanabe	Paleoenvironments analysis for the past 50 ka based on TOC, TN and pollen analysis of the sediment cores INW2012-1 and -2, Lake Inawashiro, northeast Japan
P27-P06	Klaus Reicherter	Quaternary palaeoclimatological results of the Laguna de Medina, Cadiz, Spain
P27-P07	Yoshio Inouchi	Wet-cold winter monsoon along the Japan Sea coastal area and a 6-kyr climatic cycle in the sediment of Lake Biwa, Japan, during the last 45 ka
P27-P08	Daniel Palchan	7-8 Yearly Cycles of Halite and Clastics Deposited in the Dead Sea
P27-P09	Joanna B. Miroslaw-Grabowska	The Late Glacial and Holocene changes of lake environment recorded in J-K profile (Central Poland, Europe) based on isotopic, pollen and cladoceran data
P27-P10	Keitaro YAMADA	Stratigraphy of new multiple cores from Lake Suigetsu, central Japan
P27-P11	Yougui Song	Mineralogical record for climatic change in Lake Qinghai sediments since 32ka
P27-P12	Takashi Tashiro	Reconstruction of Paleoenvironment after the postglacial age around Paitan lake in Central plain of Luzon, the Philippines.
P27-P13	Xiayun Xiao	Deglacial and Holocene vegetation, fire, and climate history in southwestern Yunnan Province of China
P27-P14	Jie Li	A 1000-year record of vegetation change and wildfire from maar lake Erlongwan in northeast China
P27-P15	Jingjing Li	The relationship between water depth and diatom biodiversity in Huguangyan Maar Lake

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [P33] Quaternary changes in ocean circulation (Event Hall)**

Convener(s): Andreas Schmittner, Luke Skinner

P33-P01	Joel B. Pedro	Southern Ocean deep convection as a driver of millennial-scale Antarctic warming
P33-P02	Masato Makio	Orbital- and millennial-scale change in the components of the North Atlantic sediments resolved by isothermal remanent magnetization acquisition experiments
P33-P03	Summer K Praetorius	Surface to deep ventilation changes in the Northeast Pacific during the last deglaciation

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [P35] Magnetic proxies retracing environmental variations and geomagnetic field changes (Event Hall)**

Convener(s): Vadim A. Kravchinsky, Tianshui Yang, Simo Spassov

P35-P01	Toshiaki Mishima	Multiple rapid polarity swings within the Gauss-Matuyama geomagnetic transition record from Lingtai, central Loess Plateau, China
P35-P02	Simo Spassov	The significance of magnetic proxy parameters for palaeoclimatic interpretations in Chinese Red clay: First results from the Lingtai section central Chinese Loess Plateau.
P35-P03	Yutaro Takanashi	Magnetic properties of inner-bay sediments of Okinawa Island: influence of red soil erosion and reductive diagenesis
P35-P04	Tingping Ouyang	Sensitivity of sediment magnetic records to climate change during Holocene for the northern South China Sea
P35-P05	Chaofeng Fu	Occurrence of greigite in the Pliocene sediments of Lake Qinghai, China, and its paleomagnetic and paleoenvironmental implications
P35-P06	Kazuo Kawasaki	Preliminary Environmental magnetic studies of roadside top soil contamination at Mt. Hakusan, Ishikawa, Japan.

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [S04] Connecting with natural hazards and archaeology using tephrochronology (Event Hall)**

Convener(s): Takehiko Suzuki, Christine Lane

S04-P01	Seiji Maruyama	Simultaneous determinations of 58 major to trace elements in volcanic glass shards on the INTAV sample mount using the femtosecond laser ablation ICP-mass spectrometry
S04-P02	Yoshihiro Takeshita	Hornblende and orthopyroxene composition as a tool for the identification of strongly weathered tephra beds - a case study of the Quaternary tephra beds in Japan -
S04-P03	Yugo Nakamura	Stratigraphy, distribution, and petrographic properties of Holocene tephra in Hokkaido, northern Japan
S04-P04	Masaaki Suzuki	Eruptive histories during the last 3000 years of Tarumae, Usu and Komagatake volcanoes, and their application to environmental changes and volcanic disaster in Pacific coasts, south Hokkaido, Japan
S04-P05	Hisashi Fujine	Paleoenvironments during the past 20 ka and reexamination of the chronological position of Zenkoji Debris Avalanche of Usu Volcano, in south Hokkaido, Japan
S04-P06	Masao Ban	Past ca. 2ky eruption history of Zao volcano, NE Japan
S04-P07	Itoko Tamura	Plio-Pleistocene tephrochronology in central Japan
S04-P08	Sean D. F. Pyne-O'Donnell	Urban rainwater sampling reveals constant atmospheric volcanic ash presence

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [S05] Connecting with past environments using tephrochronology (Event Hall)**

Convener(s): David J. Lowe, Victoria Smith

S05-P01	Amao KASAHARA	Correlation of distal U8 tephra to a pyroclastic flow deposit and subsurface chronology under the Koriyama Basin, in the southern part of Northeast Japan
S05-P02	Takao Ando	Some exciting Quaternary archives of Choshi Peninsula with special reference to tectonic movement
S05-P03	Keisuke Teraguchi	Detection and correlation of cummingtonite-bearing middle Pleistocene cryptotephra in tephric soil deposits covering MIS7 fluvial terraces, Kanto, central Japan.
S05-P04	Hiroshi Moriwaki	The role of tephras in developing a high-precision chronostratigraphy for palaeoenvironmental reconstruction and archaeology in southern Kyushu, Japan, since 30,000 years ago: an integration
S05-P05	Tabito Matsuura	Use of pyroxene and amphibole chemistries to refine late Quaternary tephrostratigraphy of deep-sea sequences (Chikyu C9001C cores) and its significance for marine terrace chronology in NE Japan
S05-P06	Chunqing Sun	The Changbaishan Millennium eruption ash (CMA): A tie-point for linking Arctic and northeast Asian paleoclimatic records
S05-P07	Kaori Aoki	Tephrostratigraphy of Quaternary pelagic sediment around the north Circum-Pacific Rim
S05-P08	Lauren J Davies	Developing a cryptotephra framework for North America: A baseline chronostratigraphy for the Holocene from northwestern sources
S05-P09	Georgina E. King	Re-evaluating the tephrochronology of the Palouse Loess, Washington State, using single-shard major- and trace-element analyses
S05-P10	Helen Mackay	The use of distal tephra isochrons to constrain late Holocene peatland environmental change in eastern North America
S05-P11	Thomas P Roland	Holocene tephrochronology in Southern Patagonia: development and incorporation of a cryptotephra framework
S05-P12	Joanne Egan	A revised age estimate of the Holocene Plinian eruption of Mount Mazama, Oregon using Bayesian statistical modelling
S05-P13	Hans Johansson	Tephra glass geochemistry from eruptions in the Azores archipelago and possible links with distal sites in Ireland
S05-P14	Alison MacLeod	A cautionary tale when correlating tephra layers: resolving tephra chemical controversies at Sluggan Bog, Northern Ireland.
S05-P15	Rhys G.O Timms	A revised tephrostratigraphic framework for the British Isles spanning the Last Glacial to Interglacial Transition ca. 16-8 ka BP.
S05-P16	Gwydion Jones	Late-glacial climate change in SW Wales: sediment geochemistry and cryptotephra results from Llyn Llech Owain
S05-P17	Gwydion Jones	A tephra framework for the Late-glacial partially varved record at Lake Hamelsee
S05-P18	Nikolina Ilijanic	Late Quaternary terrestrial, lake and marine tephra along the Eastern Adriatic Coast

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [S07] Glacial history of circum-Adriatic mountains (Event Hall)**

Convener(s): Ljerka Marjanac, Philip Hughes, Tihomir Marjanac

S07-P01	Stefano Marabini	Evidence of latest Pleistocene to Holocene gradual transition in the alluvial deposits at the Northern Apennine foothill margin (Italy)
S07-P02	Philip D Hughes	Little Ice Age glaciers in the circum-Adriatic mountains: implications for Pleistocene glacier inception and expansion

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [T01] Past hazards along coasts (Event Hall)**

Convener(s): Suzanne Leroy, Charlotte Miller, Pedro Costa

T01-P01	Junko Komatsubara	Relationship between liquefaction and geology in the downstream basin of the Tone River, central Japan
T01-P02	Shigeo Higuchi	Ground Failures on Reclaimed Land during the 2011 Tohoku Earthquake: A Case Study in Urayasu City, Japan (2) Approach from Micro-tremor observations
T01-P03	Hiroshi Iwamoto	Ground Failures on Reclaimed Land during the 2011 Tohoku Earthquake: A Case Study in Urayasu City, Japan (1) Approach from Geology
T01-P04	Maria A. Oliveira	Extreme marine event transport and deposition: crossing historical, geological and oceanographic records with tsunami modelling
T01-P05	Ashish Ghimire	Flood Risk Assessment: A Comparison of Flood Vulnerability Indices with Flood Modelling Techniques
T01-P06	Tatyana Sapelko	Pollen data correlation from archeological and nature archives in the Black Sea coastal areas.
T01-P07	Luo Wang	Diatom as indicators of hurricane flood from Weeks Bay, Alabama

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [T02] Palaeohydrology and fluvial archives (Event Hall)**

Convener(s): Gerardo Benito, David Bridgland, Stéphane Cordier, Juergen Herguet

T02-P01	Stephanie J Kermode	Alluvial terraces of the upper Shoalhaven River, New South Wales: the influence of climate change in a temperate, highland setting.
T02-P02	Toshiyuki Fujioka	Long-term waterfall dynamics in monsoonal Australia based on cosmogenic Be-10
T02-P03	Rebecca M Briant	Understanding Quaternary river catchment development using numerical modelling: issues associated with making models and data meet in the middle
T02-P04	Takashi Ogami	Topographic control on recession of river knickpoints since the Middle Pleistocene at the northern Sanriku coast, NE Japan
T02-P05	Bingqi Zhu	Palaeohydrological system development in the Ejina River (Ruoshui) delta during last glacial maximum to middle Holocene
T02-P06	Xuemei Ren	River system changes in Upper reaches of Yangtze river Inferred from Heavy minerals of Fluvial terraces Between Panzhihua city and Chongqing city in China
T02-P07	Jasper Knight	Morphodynamics of the Sabie River, South Africa: evaluating the degree of sediment reworking using geomorphology, sediments and luminescence
T02-P08	Daniel Wolf	Spatial and temporal variability of Western Mediterranean river dynamics - A consideration of the last 14 ka.
T02-P09	Tommy H.G. Wils	Understanding long-term Nile river basin hydrology using Ethiopian tree rings
T02-P10	Chris O Hunt	Late Holocene megafloods in Cyrenaica, NE Libya
T02-P11	Elyssa De Carli	Discovery of a palaeolake at the terminus of the Murray-Darling Basin: a Holocene record of southeastern Australia's hydroclimate and implications for current palaeoclimate reconstructions
T02-P12	Yuta Shimizu	Estimation of sediment and nutrient fluxes into a coastal lake for a 100-year using SWAT model

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [T08] Cryospheric processes (Event Hall)**

Convener(s): Jane K Hart, Richard Waller

T08-P01	Clare M. Boston	Ice-marginal processes and sediment transport pathways at Hardangerjokulen, Norway
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T08-P02 **John F Hiemstra** The development of shear zone geometries revealed by Metripol automated birefringence imaging: implications for subglacial sediment deformation.

T08-P03 **Tatiana Blyakharchuk** DEVELOPMENT OF VEGETATION AND PERMAFROST IN THE NORTH OF WEST SIBERIA ACCORDING TO POLLEN DATA FROM PALSAMIRE

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T15] Sackung (sagging) and landslide (Event Hall)

Convener(s): Satoru Kojima, Yoshihiko Kariya, Heitaro Kaneda

T15-P01 **Yoshihiko Kariya** Recent advances and future issues in Quaternary geological and geomorphological studies on large-scale bedrock landslides in the Japanese Alps

T15-P02 **Yuki Matsushi** Dating deep-seated catastrophic landslides in Japanese Alps by terrestrial cosmogenic ¹⁰Be: an implication to the influence of climate change in shaping mountainous landscapes

T15-P03 **Chizuru Kida** Deep-seated gravitational slope deformation and large-scale bedrock landslides in the Kamikochi Valley, Japanese Alps, Central Japan

T15-P04 **Hidehisa Nagata** Sugging feature in mountain range of central Japan: results from the topographic map interpretation and GIS analyses

T15-P05 **Keitaro Komura** Development history of concentrated sackung features adjacent to an active fault: a case study of the Neodani fault, central Japan, based on sediment cores and pit excavations

T15-P06 **Wataru Murakami** Gravitational deformation of the slope caused by the 2008 Iwate-Miyagi Nairiku Earthquake captured by the comparison of airborne LiDAR data at plural time

T15-P07 **Terumi Suzuki** Late Pleistocene and Holocene landslide lakes in the Misaka Mountains, southern Fossa Magna, Central Japan

T15-P08 **Ryusuke Igarashi** Geomorphological characteristics of slope failures in Shirasu area in Southern Kyushu, Japan

T15-P09 **Sadao Takaoka** Ecological roles of landslide and sagging in the evolution of regional biodiversity

T15-P10 **Cihan Bayrakdar** Morphology and chronology of the Akdag Landslide (SW Turkey)

T15-P11 **Shibiao Bai** Frequency-magnitude distribution of the giant ancient landslide in the upper reaches of the Yellow River, China

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T16] Quaternary evolution of tropical river systems (Event Hall)

Convener(s): Rajiv Sinha, Snigdha Ghatak

T16-P01 **David R Bridgland** Long-timescale Quaternary fluvial archives in the tropical zone: differences and similarities in comparison with temperate regions

T16-P02 **Girish Ch Kothyari** Late Quaternary climate variability and landform evolution of Pindar river valley, Central Himalaya, Uttarakhand, India

T16-P03 **Swati Sinha** Late Quaternary evolution of the Dehra Dun, NW Himalaya: Tectonic and climatic coupling

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)

Poster: [T21] Assessing the earthquake and tsunami risks using geologic records (Event Hall)

Convener(s): Osamu Fujiwara, Jessica E. Pilarczyk, Takashi Azuma, Tina Dura, Andrea D. Hawkes

T21-P01 **Yuichi Niwa** Predominance of subsidence during the Holocene in the Kesennuma O-kawa Plain in the southern Sanriku coast, northeast Japan, consistent with century-long subsidence estimated from sediment core analysis and radiocarbon dating

T21-P02 **Daisuke Ishimura** Paleo-tsunami deposits and their recurrences since ca. 4 ka in Koyadori on the Sanriku Coast, northeast Japan, based on trench excavation survey

T21-P03	Tomoko Goto	Historical tsunami deposit on the Sanriku coast, Japan
T21-P04	Norihiro Hosoda	Geochemical approaches to discrimination of the historical tsunami deposits in Tohoku district, Northeastern Japan
T21-P05	Hirokuni Abe	Tsunami and seasonal variation records in the surface sediments from Sendai Bay, Northeast Japan, revealed by rock magnetic and geochemical analyses.
T21-P06	Jun Muragishi	Coseismic coastal changes and tsunami inundation of the 1703 Genroku Kanto earthquake recorded in historical documents
T21-P07	Takafumi Imai	Uplift of Shikine Island on the northern Zenisu Ridge off Central Japan during the past 1000 years: Evidence from analyses of emerged marine sessile assemblages
T21-P08	Akihisa Kitamura	Holocene geohazard events on the southern Izu Peninsula, central Japan
T21-P09	Evelien Boes	Exploring the potential of Lake Hamana (Shizuoka Prefecture, Japan) to hold a long and reliable sedimentary record of paleo-earthquakes and -tsunami along the Nankai-Suruga Trough
T21-P10	Koichiro Tanigawa	Geological study on tsunami deposits in Kochi Prefecture, western Japan
T21-P11	Akihisa Kitamura	Evaluating the magnitude of late Holocene mega-tsunamis on Ishigaki Island based on an analysis of molluscan assemblages
T21-P12	Jiun-Yee Yen	Geological records of paleotsunamis/extreme wave events along the Pacific Coast of Taiwan
T21-P13	Neng-Ti Yu	Multiple tsunami deposits and origins of Okinawa backarc extension: a composite subsurface and outcrop record of the last two millenniums in north Taiwan
T21-P14	Alexander R Simms	The stratigraphic signature of large tsunamis within a prograding coastal plain: Tolawa Dunes, California
T21-P15	Helen Lacey	Solving the origin debate of sedimentary structures in El Medano, Tenerife
T21-P16	Tomoya Abe	Comparison of the maximum inland extents of sand deposited by modern tsunami and storm events

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)
Poster: [T22] Asian glacial and periglacial environments under recent climate change (Event Hall)

Convener(s): Jiro Komori, Chiyuki Narama, Kotaro Fukui, Atsushi Ikeda, Koji Fujita

T22-P01	Chiyuki Narama	Characteristics of glacier lake outburst floods in the northern Tien Shan, Central Asia
T22-P02	Akiko Yamamura	Spatial distribution of mountain permafrost in the northern Tien Shan, Central Asia
T22-P03	Withdrawn	
T22-P04	Jiro Komori	A case study of ice avalanche and subsequent flood from Mt. Annapurna, Nepal -alarming phenomena other than GLOFs in the Himalayan glacier-
T22-P05	Tanuja Shrestha	Climate Change Impacts on Glacial and Peri-glacial Environments of Gokyo Valley, Sagarmatha (Everest) National Park, Nepal
T22-P06	Sunal Ojha	Areal Changes in Glaciers in the Eastern Nepal Himalayas since 1992.
T22-P07	Parvendra Kumar	Recent Glaciers Fluctuations in Sikkim Himalaya as an Indicator of Climate Change at Smaller Spatio-Temporal Scale
T22-P08	Jiro Komori	Bathymetric survey on glacial lakes in the Bhutan Himalayas
T22-P09	Kotaro FUKUI	Identifying active glaciers in Mt. Tateyama and Mt. Tsurugi in the northern Japanese Alps, central Japan.
T22-P10	Takushi KOYAMA	Development Processes of the Periglacial Smooth Slopes in the Southern Japanese Alps
T22-P11	Atsushi Ikeda	Glacial and permafrost landforms during the last glacial period in the southern Japanese Alps

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [T23] Combining lacustrine, palaeopedological and other palaeo-environmental archives (Event Hall)**

Convener(s): Daniela Sauer

T23-P01	Kaifeng Yu	A geochemical approach to discriminate depositional environment: a case study from the Ejina Basin, NW China
T23-P02	Aisha Abbey Kyakuwa	Climate History of Lake Victoria Satellite lakes during the last ca. 600 yr. BP: Evidence from Diatom analysis
T23-P03	Rachna Raj	Response of fluvial and lacustrine systems to Late Quaternary palaeoclimate: a multi-proxy study from western India

31 July (Fri) 9:00-20:00 Core Time (14:00-15:30)**Poster: [T24] TERPRO Commission Poster Session (Event Hall)**

Convener(s): Takashi Azuma

T24-P01	Piotr Weckwerth	Controls on sedimentary basin development during MIS 2 - new approach in modeling of subglacial meltwater flow
T24-P02	David Dominguez-Villar	Geochronology and evolution of tufa deposits at Roski Slap in Krka National Park, Croatia
T24-P03	Kazuo Kamura	Salt damage in rice paddy fields after the tsunami generated by the 2011 Great East Japan Earthquake and development of remediating materials
T24-P04	Megumi Saito-Kato	A 130 k.y. long diatom record from Lake Suigetsu with reference to environmental changes during the Late Pleistocene
T24-P05	Takeyuki Ueki	Detailed magnetostratigraphy of Plio-lower Pleistocene in Central Japan
T24-P06	Zhaoyu Zhu	The risk evaluation for geologic hazards in the rapid economic developing area along the South China coast
T24-P07	Jin-Young Lee	Quaternary geology of the Hwangryong River Basin, South Korea
T24-P08	Shihui Jiao	Last Glacial and Holocene Periglacial Phenomena and Permafrost Distribution Along the Profile of Golmud to Yadong at Tibetan Plateau
T24-P09	Hasiierdun	Variations in water budget of Qehan Lake over the past 50 years, Inner Mongolia
T24-P10	Andrea D. Hawkes	Reconstructing the rupture of the A.D. 1700 great Cascadia earthquake: New insight from precise coastal subsidence estimates
T24-P11	Ernesto Brunetto	Quantitative Geomorphology applied to the distal Salado del Norte River basin, Argentina. Neotectonic and Surface processes in an intracratonic setting
T24-P12	Alan S Palmer	The Mid Quaternary Emergent Coastline of the SW North Island, New Zealand.
T24-P13	Fatima El Bchari	Using remote sensing and geographical information systems (GIS) to map zones presenting risks of water erosion in the Ait Bou Guemmez area (Central High Atlas of Morocco)
T24-P14	Fatima ELBCHARI	GIS contribution for locating potential depressions areas coastal Meseta
T24-P15	Fatima El Bchari	Contribution of remote sensing and GIS-tools to the detection of Detection of Sites Susceptible to Landslides in the coastal area of Safi-Morocco
T24-P16	Dante Canil	Quaternary glacial till as an archive of the bulk composition of upper continental crust in a juvenile mountain belt
T24-P17	Xianyan Wang	Aeolian process and climatic changes in loess records from the northeastern Tibetan Plateau: response to global temperature forcing since 30 ka

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [G01] Tipping points in the Late Quaternary (Event Hall)**

Convener(s): Peter Langdon, Tim Lenton, Antony Long, Paul Valdes

G01-P01	Sebastian Bathiany	On the mechanism of Arctic winter sea ice collapse
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01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [G02] Interdisciplinary Quaternary research (Event Hall)**

Convener(s): Rolfe D. Mandel, Ester Szein

G02-P01	Fiona H McRobie	Transient coupling relationships of the Holocene Australian monsoon
G02-P02	Alexandre V. Andronikov	Trace-element composition of Late Glacial sediments of Lithuania: ICP-MS study
G02-P03	Erika Schreiber	Permafrost distribution modeling in the Andes of San Juan, Argentina
G02-P04	Vladimir G Trifonov	The Lower Pleistocene in the Euphrates Valley of Eastern Turkey and inhabitation of earliest hominine in the Caucasus region
G02-P05	Allan Ashworth	The Neotoma Paleoecology Database

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [G04] General Poster Session (Event Hall)**

Convener(s): Yoshiki Saito

G04-P01	Minna Valiranta	Late Holocene permafrost peatland dynamics in north-eastern European Russia
G04-P02	Takako Utsugawa	Influences of dam reservoir on sand grain producing and transport processes estimated from gravel and sand grain roundness of Tenryu River, central Japan
G04-P03	Masaaki Shirai	Influence of dam reservoir deposition to deep marine hemipelagic environment off Niigata, central Japan
G04-P04	Harry F. Lee	Climate-induced agricultural shrinkage and overpopulation in late imperial China
G04-P05	Meltem C Ustunkaya	Do changing agricultural management practices provide a link between climate change and social change in ancient Anatolia?
G04-P06	Anna Lintern	A strategy for identifying the sources of urban lake contamination
G04-P07	Atsushi UEMINE	Geofacts of Kanagi: Past, Present and Future
G04-P08	Atsushi UEMINE	Differences between Artifacts and Geofacts: Practical Study with Phenocrysts Microscopic Observation Method
G04-P09	Huiguo Sun	Daily variation in CO ₂ emission and possible controls in the Xijiang River, SE China
G04-P10	Kunio Furuno	Land subsidence and groundwater level monitoring in the Kanto Groundwater Basin, Central Japan
G04-P11	Peter D Ditlevsen	Understanding the Middle Pleistocene Transition
G04-P12	Weijian Zhou	10Be evidence for Brunhes-Matuyama magnetic polarity reversal in Chinese loess
G04-P13	Kyung Sik Woo	Island Tidal Flats of the Shinan, Seocheon and Gochang areas in Korea: Their potential nomination towards World Natural Heritage
G04-P14	Junko Kitagawa	A method to detect the change of Japanese rice production: pollen records on annually laminated (varved) sediments from Lake Fukami and Lake Suigetsu, Japan
G04-P15	Baoqi Huang	DISTRIBUTION AND SIGNIFICANCE OF BENTHIC FORAMINIFERAL ASSEMBLAGE AT WESTERN PACIFIC DURING EARLY QUATERNARY

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [C09] Revealing palaeoceanographic variability from contourite depositional systems (Event Hall)**

Convener(s): David Van Rooij, Francisco J. Jimenez-Espejo

C09-P01	Antje H L Voelker	Surface Water and Mediterranean Outflow Water Variability at IODP Site U1387 during the early to middle Pleistocene (660 - 1970 ka)
C09-P02	Satoshi Furota	Evaluation of the depositional processes of muddy sediments by organic geochemical analysis of contourite depositional system in the Gulf of Cadiz
C09-P03	Till J Hanebuth	Oceanic density fronts steering bottom-current induced sedimentation deduced from a 50 ka contourite-drift record and numerical modelling (off NW Spain)
C09-P04	Thomas Vandorpe	Obstacle-related contourites in the El Arraiche area, southern Gulf of Cadiz.
C09-P05	Fabio Trincardi	Shallow-water contourite deposits formed by the flow of dense shelf waters
C09-P06	Dmitrii Borisov	Contourites in transform valleys of the Mid-Atlantic Ridge, Equatorial Atlantic
C09-P07	Hui CHEN	Depositional systems over shelf-slope-abyssal area of western Pearl River Mouth Basin and northern Northwest Sub-Basin, South China Sea

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [C13] Temporal changes in sea-level (Event Hall)**

Convener(s): Benjamin Horton, Simon Engelhart, Andrew Kemp, Adam Switzer

C13-P01	Ed Garrett	Radiometric and luminescence dating of historical tsunamis and storm deposits from Shirasuka, south central Japan
C13-P02	Takashi Chiba	Late Holocene relative sea level changes and crustal movements due to the past Nankai earthquakes during the past 4000 years in Tainohama, Tokushima Prefecture, Japan
C13-P03	Timothy Shaw	Using salt-marsh foraminifera as a tool to reconstruct relative sea-level trends for the Croatian coast, Adriatic Sea.
C13-P04	Ritsuo Nomura	Collapse of sandbar and the impacts on lagoon organisms in Lake Fuhren-ko, eastern Hokkaido, Japan
C13-P05	Sanja Faivre	Algal rims as markers of 2ka relative sea-level change and climate change in the Eastern Adriatic
C13-P06	Jessica E Pilarczyk	Sedimentary and microfossil record of the 2013 Typhoon Haiyan deposit from the Leyte Gulf, Philippines

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [C14] Late Quaternary paleovalley systems (Event Hall)**

Convener(s): Alessandro Amorosi, Freek Busschers, Kim Cohen, Kazuaki Hori, Susumu Tanabe

C14-P01	Malgorzata Pisarska-Jamrozy	Proglacial and extraglacial factors controlling ice-marginal valley sedimentation during Weichselian glaciation in NW Poland
C14-P02	Yoshiro Ishihara	Three-dimensional geological and geotechnical models of incised-valley fills beneath the Tokyo-Arakawa-Nakagawa Lowlands: Their implications and problems
C14-P03	Susumu Tanabe	Strata formation in a tectonically subsiding coastal lowland: Insights from the post-LGM incised-valley fill in the Echigo Plain along the Japan Sea
C14-P04	Futoshi Nanayama	Geomorphological evolution of Hashirikotan barrier spits resulting from seismotectonics along the Southern Kuril Subduction Zone
C14-P05	Kazuaki Hori	Evolution of coarse-grained incised-valley fill systems: an example from the Tenryu River, central Japan
C14-P06	Kiyoyuki Shigeno	Sedimentary process of a small washover deposit due to the storm surge and storm wave of 1959 Miyakojima typhoon

C14-P07 **Min Zhao** Characteristics of the Yihe River's Paleo-valley near the Linyi Jiuqu Yihe River Bridge, Shandong Province

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H02] Using paleodata and models to understand the fire-humans-climate-vegetation nexus (Event Hall)

Convener(s): Boris Vanni re, Jennifer Marlon, Mitchell Power, Anne-Laure Daniau

H02-P01	Jun Inoue	Holocene history of fires and grassland development showing relationship between past vegetation type and fire frequency in western Japan, inferred from phytolith and charcoal records in cumulative soils
H02-P02	Junichi Ogura	Basic Research on Charcoal Particles at Four Wildfire Sites in Japan
H02-P03	Yiyin Li	History of Holocene paleofire activity in the Daxing'an Mountain of northeast China and possible links to ecological and climatic changes
H02-P04	Nadine Pickarski	First results of past fire activity at Lake Van, Turkey
H02-P05	Graciela Gil-Romera	Early Holocene tree-line dynamics in the central Pyrenees: the role of fire disturbances and rainfall seasonality on alpine Mediterranean areas
H02-P06	Tim Bruecher	Modelled vs. reconstructed past fire dynamics - how can we compare?
H02-P07	Heikki Seppa	Role of forest fires in Holocene stand-scale dynamics in the unmanaged taiga forest of northwestern Russia
H02-P08	Zhuo Zheng	Holocene vegetation changes and anthropogenic influence inferred from a pollen records in southern Zhejiang, China
H02-P09	Abraham N Dabengwa	Sedimentary macrocharcoal counts using three multi-proxy palaeoecological proxies

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H04] Wetland archaeology and environmental change (Event Hall)

Convener(s): Tony Brown, Akira Matsui, Fumio Ohe, Masashi Maruyama, Toshio Nakamura, Iwao Nishida, Nicki Whitehouse

H04-P01	Ayako Shibutani	What did Jomon people consume for starchy food? Case studies from the Jomon wetland sites in Japan
H04-P02	Janelle Stevenson	Environmental change and the archaeological record of Weipa, Cape York Peninsula, Australia
H04-P03	Paul C Lincoln	Palaeoenvironmental reconstructions from the River Derwent Floodplain during the Last Glacial-Interglacial Transition (LGIT ca. 18-8ka BP): A new insight into human occupation of the eastern Vale of Pickering, northeast England.
H04-P04	Toshio Nakamura	Radiocarbon dating and dendrochronology of buried woods excavated from wetland archeological sites in Japan

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H07] Geoarchaeology: Human-environment interactions and palaeo-geohazards (Event Hall)

Convener(s): Sumiko Kubo, Vanessa Mary An Heyvaert, Yasuhisa Kondo, Masatomo Umitsu

H07-P01	Sagi Filin	Extracting the Protracted Anthropogenic Signal and Documenting a Millennium of Land Degradation Trends Using High Resolution 3-D Data
H07-P02	Mohamed Rouai	GEOMORPHOLOGICAL HAZARDS IN VOLUBILIS ARCHAEOLOGICAL SITE (MOROCCO)
H07-P03	K. Nageswara Rao	SYNERGY OF LANDFORM EVOLUTION AND CULTURE ADAPTATIONS: A GEOARCHAEOLOGICAL STUDY IN KRISHNA-GODAVARI DELTA, INDIA

H07-P04	ZhengYao Jin	Dawn of the Bronze Civilization in the Central Yunnan Basin: Chronology of the Guangfentou site
H07-P05	Martin Schumacher	Holocene valley incision in the southern Buekk foreland: human environment interaction in northern Hungary
H07-P06	Thusitha Laksiri Wagalawatta	Rock Quarries and historical landscape of Ancient Anuradhapura, Sri Lanka.
H07-P07	Cyril Castanet	Geoarchaeological approach of fluvial risks and of their management: the Middle Loire River and its embanking since the Middle Ages (France).
H07-P08	Harm Jan Pierik	Sea ingression dynamics and occupation patterns in the Dutch coastal area during the first millennium AD
H07-P09	Eito Takahashi	Topographic changes in the Tone-River lowland after the river improvement work in 17th century
H07-P10	Yasuhisa Kondo	Mapping facilities for control of flood waters at Bronze Age and Islamic oasis settlements in the interior of Oman
H07-P11	Sumiko KUBO	14C ages and stratigraphy of pre-Angkor Sambor Prei Kuk archaeological site, central Cambodia
H07-P12	Tara Beuzen-Waller	Geoarchaeological investigations in the Quriyat coastal plain (Oman): testing foraminiferal assemblages as a past flood event indicator.
H07-P13	Olena V. Smyntyna	Human responses to the Black Sea coast dynamics on the Pleistocene-Holocene boundary: spatial variability of geohazard magnitude, multiplicity of human adaptive strategies and diversity of climate-ecosystem-cultural feedbacks

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H12] Prehistoric use and management of plant resources (Event Hall)

Convener(s): Shuichi Noshiro, Yuichiro Kudo, Hiroo Nasu, Yuka Sasaki

H12-P01	Makiko KOBAYASHI	Reconstruction of early Holocene palaeovegetation around the southern part of Boso Peninsula, central Japan
H12-P02	Shinryo Oami	Plant use deduced from pottery impressions of the Jomon period in the Kanto district, central Japan

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [H17] Land-sea-human Interactions (Event Hall)

Convener(s): Helena L. Filipsson, Anna Broström, Takashi Toyofuku

H17-P01	Tohru Takeuchi	Formation process of the coastal alluvial plain in an enclosed sea watershed: case study of the Okayama
H17-P02	Koji SETO	Anthropogenic changes of the eutrophied Lake Mokoto recorded in lake sediments in the east part of Hokkaido, Japan.
H17-P03	Janelle Stevenson	Holocene landscape dynamics and human occupation at Maluyo, northern Luzon, Philippines
H17-P04	Akira Tsujimoto	Benthic foraminiferal assemblages in Kojima Bay, Japan: influence of the artificial construction on marine environments
H17-P05	Briony L Mamo	The rich foraminiferal assemblages of Oomurodashi Volcano, Japan - Preliminary findings
H17-P06	Carla I Elliff	Challenges for ecosystem services provided by coral reefs in the face of climate change and local stressors
H17-P07	Masanobu ISHIDA	Environmental Behavior of Radionuclide Released from the Fukushima Daiichi Nuclear Power Station -The Spatiotemporal Distribution of Radiocesium in the Pond Sediment of Akimoto and Numazawako in Fukushima Prefecture, Japan-
H17-P08	Toshiaki Irizuki	Temporal changes in coastal environments and meiobenthos with respect to artificial and/or natural environmental modification in the Oki Islands Global Geopark in southwestern Japan during the past few hundred years

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H20] Geoarchaeology of submerged and deeply buried landscapes (Event Hall)**

Convener(s): Justin Dix, Fraser Sturt, Michael J. Grant

H20-P01	Kari Loe Hjelle	Marine deposits; the key to understand the development of the medieval town Bergen, western Norway
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01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H23] The isotope ecology of migration (Event Hall)**

Convener(s): Suzanne Pilaar Birch

H23-P01	Natalia Shishlina	Tracking travel and diet profiles from archaeological human hair
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01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H27] West African dynamics of fluvio-lacustrine environmental changes and Anthropogenic settlements (Event Hall)**

Convener(s): Izuchukwu Mike Akaegbobi, Ibouraïma Yabi

H27-P01	Izuchukwu M Akaegbobi	Paleoclimatic Studies of Quaternary Sediments of Lake Chad Basin and its Implication on Lake Level Fluctuation using isotope Geochemistry
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H27-P02	Cyr Gervais ETENE	Anthropogenic pressures and sediment dynamics around small lakes in the department of Mono in Benin (West Africa)
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01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [H28] Immigration above the tide line (Event Hall)**

Convener(s): Eva Panagiotakopulu, Steve Brooks

H28-P01	Philip I Buckland	The Strategic Environmental Archaeology Database: a resource for international, multiproxy and transdisciplinary studies of environmental and climatic change
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H28-P02	Geoffrey Lemdahl	Lateglacial development of the insect fauna and vegetation at the Haanja Hights, SE Estonia
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H28-P03	Eva Panagiotakopulu	Insects and the Norse settlement in Greenland
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01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [P03] The ACER IFG initiative (Event Hall)**

Convener(s): Maria Fernanda Sanchez Goñi, Stéphanie Desprat, Anne-Laure Daniau, Franck Bassinot, Didier Swingedouw

P03-P01	Hermann Behling	Abrupt climate changes in tropical and subtropical South America inferred from pollen records
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P03-P02	Yancheng Zhang	Scrutinizing changes in precipitation over tropical South America during Heinrich Stadial 1
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P03-P03	Withdrawn	
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P03-P04	Ruben Banderas	An interhemispheric mechanism for glacial abrupt climate change
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P03-P05	Russell N Drysdale	A centennial-scale monsoon seesaw within the Younger Dryas?
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P03-P06	Clement Lambert	Holocene paleoenvironmental changes in the Bay of Brest (NW France) over the last 6,500 years: palynological evidences of climate and human forcing.
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P03-P07	Peter M Abbott	North Atlantic Ash Zone II: Assessing the synchronicity of a rapid climate transition in the North Atlantic region
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P03-P08	Claire Waelbroeck	Timing of last glacial North Atlantic ice rafted episodes, Atlantic circulation slowdowns and tropical precipitation events
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P03-P09	Franck Bassinot	Database of centennial-scale records of sea-surface temperature for the Last Glacial
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P03-P10	Maria Fernanda Sanchez Goni	Harmonisation of database chronologies
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01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [P07] Southern Hemisphere LGM (Event Hall)**

Convener(s): James Shulmeister, Brian Chase, Tim Cohen, Patricio Moreno

P07-P01	Stephanie C Mills	The cold climate geomorphology of the Eastern Cape Drakensberg: A re-evaluation of LGM past climatic conditions
P07-P02	Justine Kemp	Evidence from the Riverine Plain for seasonally large rivers at the LGM
P07-P03	Daniela Mueller	Does snowpack accumulation, ablation and altitudinal tree line depression explain palaeo runoff yields in Southern Australia over past glacial cycles?
P07-P04	Rachel K Smedley	Luminescence dating of proglacial sediments deposited during the Last Glacial Maximum in the Lago Buenos Aires valley, Argentina
P07-P05	Janelle Stevenson	The LGM in south Sulawesi, Indonesia
P07-P06	Christopher M Darvill	Evaluating the timing and cause of glacial advances in the southern mid-latitudes during the last glacial cycle
P07-P07	Stephanie J Kermode	Another piece of the Southern Hemispheric puzzle: Developing a high-resolution climate record for multiple glacial cycles in eastern Australia
P07-P08	James Shulmeister	Climatic conditions in SE Australia at the LGM

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [P08] Integrating records from the high southern latitudes (Event Hall)**

Convener(s): François De Vleeschouwer, Sébastien Bertrand, Dmitri Mauquoy, Hamish McGowan, Steve Roberts

P08-P01	Katsura Yamada	Paleoceanographic changes during the late Pleistocene off New Zealand on the basis of fossil ostracode assemblages
P08-P02	Maria A. Godoi Millan	Onset of the Holocene hypsithermal in the fjords close to the Pacific entrance of the Strait of Magellan, Chile (53°S), from shallow marine records.
P08-P03	Sebastien Bertrand	Postglacial evolution of Lago Castor, northern Chilean Patagonia
P08-P04	Rachel C Rudd	A diatom inferred record of lake hydrological variability during the last 900 years in Lutzow-Holm Bay, East Antarctica

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [P12] SHAPE: a southern perspective on climate evolution over the past 60 kyr (Event Hall)**

Convener(s): Andrew M. Lorrey, Steven J. Phipps, Brian M. Chase, Maisa Rojas, Heidi A. Roop

P12-P01	Roland Eichinger	On the Southern Ocean's role for CO ₂ -variations during the last deglaciation
P12-P02	Jonathan D Hassall	Reconstructing Holocene climate in the South Pacific from lacustrine archives.
P12-P03	Alessa J Geiger	Patagonian glacial dynamics over 60 kyr based on a systematic re-calculation of published exposure ages between 38-53S.
P12-P04	Georgina M. Falster	Climate variability in south-eastern Australia during the last glacial-interglacial transition: toward new insights from lake sediments using conventional and clumped isotope geochemistry
P12-P05	Manuel Chevalier	CREST: Climate REconstruction SofTware
P12-P06	Duanne A White	Climate records from the Antarctic continent and continental margin since 60 ka BP
P12-P07	Hamish McGowan	A millennial scale record of sub-annual hydroclimate variability from the Snowy Mountains, southeast Australia.
P12-P08	Ikumi Oyabu	Relationship between sulfate-salt aerosol and temperature changes during the last termination in inland Antarctica

P12-P09	Shaun R Eaves	The Last Glacial Cold Period in central North Island, New Zealand
P12-P10	Juan L. Garcia	Late Pleistocene climate variability in central Chile as inferred from OSL dating of ancient coastal sand dunes and paleosoils
P12-P11	Thibaut Caley	Transient climate simulation of hydrogen stable isotopes over the South western african region with the iLOVECLIM model
P12-P12	Timothy J Cohen	A synthesis of palaeoclimate records and modelling for Australia: 60-30 ka
P12-P13	Lynne J Quick	Late Quaternary palaeoenvironments of the southern Cape, South Africa: palynological and microcharcoal evidence from coastal wetlands
P12-P14	Maisa Rojas	Evolution of the Southern Hemisphere Westerlies throughout the last deglaciation in climate model simulations.
P12-P15	Andrew M Lorrey	Global and regional climate forcing contributions to New Zealand late Quaternary glacier advances
P12-P16	Steven J Phipps	Modes of Southern Hemisphere climate variability during the Holocene: an integrated data-model perspective
P12-P17	Kelly L. Kirsten	Holocene environmental variability of Eilandvlei, a coastal lake on the southern Cape coast, South Africa
P12-P18	Dharma Reyes-Macaya	Last glacial maximum vs. Holocene water mass geometry changes in the eastern South Pacific
P12-P19	Bea Hurter	An overview of palaeo-environmental climatic changes in the Kalahari and the Limpopo valley, South Africa
P12-P20	Esteban A Sagredo	Fluctuations of Tranquilo glacier (Central Patagonia) during the last glacial Termination
P12-P21	Jessica L Hinojosa	Holocene evolution of marine radiocarbon reservoir ages offshore southwest New Zealand: Implications for water mass migration and radiocarbon dating accuracy
P12-P22	Steven J Phipps	The evolution of the Southern Hemisphere climate within transient simulations of the Holocene

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P14] Antarctic ice sheets and the Southern Ocean (Event Hall)

Convener(s): Yusuke Suganuma, Duanne A. White, Andrew Mackintosh

P14-P01	Takashi Obase	Antarctic ice shelves' basal melting under LGM and CO2 doubling climate
P14-P02	Benoit S Lecavalier	Development towards a full Bayesian calibration of a 3D glacial systems model of the Antarctic Ice Sheet over the last glacial cycle
P14-P03	Jun'ichi Okuno	Effect of ice sheet loading on the depth of Antarctic continental shelf
P14-P04	Joanne S Johnson	Evidence for ice cover in the Lassiter Coast region, western Weddell Sea Embayment, Antarctica
P14-P05	Yusuke Suganuma	East Antarctic deglaciation and the link to global cooling during the Quaternary: Evidence from glacial geomorphology and ¹⁰ Be surface exposure dating of the Soer Rondane Mountains, Dronning Maud Land
P14-P06	Ijin Kang	Holocene paleolimnological changes of Lake Maruwan-Oike in Soya Coast, East Antarctica

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P18] Seasonal palaeoenvironmental records from archaeological sites (Event Hall)

Convener(s): Amy Prendergast, Hazel Reade, Rhiannon Stevens, Alex Pryor

P18-P01	Cindy Nelson-Viljoen	Shellfishing at Pinnacle Point, South Africa, during the Later Stone Age. Preliminary findings in determining seasonality through shell middens.
P18-P02	Tsuzumi Miyaji	Daily-resolution reconstruction of middle Holocene coastal climate using bivalve <i>Phacosoma japonicum</i> at Vostok Bay, Far East Russia

P18-P03 **Penny J Jones** Isotopic insights in the Indus Civilisation: local-scale seasonal records of (changing?) monsoon rains

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P19] Islands in time (Event Hall)

Convener(s): Patrick Moss, John Tibby, Lynda Petherick, Craig Sloss

P19-P01	Ai Kawamura	Middle Pleistocene to Holocene land mammal faunas of the Ryukyu Islands, Japan: Result of recent researches
P19-P02	Ai Kawamura	Late Pleistocene and Holocene mammal faunas of the Shiraho-Saonetabaru cave site, the most important site for reconstructing the faunal history on Ishigaki Island, Okinawa Prefecture, Japan
P19-P03	Alison M Kelsey	Millennial Oscillations of the Late Quaternary and the Great Sandy Region of Southeast Queensland
P19-P04	Lynda M Petherick	Has the strength of the Australian summer monsoon varied during the late Holocene?

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P23] Reconstructing historical climate variability using documentary sources (Event Hall)

Convener(s): David J. Nash, Rudolf Brázdil

P23-P01	Sebastien Guillet	Unveiling the avalanche activity in the Upper Goms Valley (Switzerland) over the past 400 years using tree-ring records and historical archives
P23-P02	Gissela Moreno	First steps in the reconstruction of glacier fluctuation in Ecuador from documentary sources (19th and early 20th century)
P23-P03	Thomas Roggenkamp	The extreme drought of 69 AD on Lower Rhine, Germany
P23-P04	Kenjiro Sho	Validation of weather records of Japanese old diaries by comparison with meteorological observed data
P23-P05	Zhixin Hao	Spatial patterns of precipitation anomalies in eastern China during centennial cold and warm periods of the past 2000 years
P23-P06	Jingyun Zheng	Temperature variation and population fluctuation in China for the past 2000 years

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P26] Global expression of Quaternary North Atlantic climate variability (Event Hall)

Convener(s): Stephen Obrochta, Yusuke Yokoyama, Jun'ichiro Kuroda

P26-P01	Sabrina J Renken	Ice Sheet - Ocean Interaction in the North Atlantic, West Porcupine Bank, Offshore Ireland: A Palaeoceanographic Perspective
P26-P02	Tim Collart	Using Cold-water coral mini-mounds as analogue for giant mound growth: assessment of environmental drivers and anthropogenic impact
P26-P03	Stephen P Obrochta	Towards a North Atlantic Plio-Pleistocene sediment color climate index
P26-P04	Benoit Thibodeau	Stratification-induced variations in nutrient utilization in the Polar North Atlantic during past interglacials

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [P32] Holocene warm period of mid-latitude lakes (Event Hall)

Convener(s): Jule Xiao, Andrew Henderson, Kazuyoshi Yamada

P32-P01	Aizhi Sun	Holocene climatic reconstructions from fossil pollen record at Qigai Nuur in the southern Mongolian Plateau
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01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [P34] Environmental changes in high-resolution sedimentary records (Event Hall)**

Convener(s): Antti E.K. Ojala, Hiroyuki Kitagawa, Pierre Francus, Mitsuru Okuno, Arndt Schimmelmann, Kazuyoshi Yamada, Yoshinori Yasuda, Bernd Zolitschka,

P34-P01	Hana Sasaki	Climatic and solar cycles from diatomite varve and lacustrine sediment gravity flow deposits of the Middle Pleistocene Hiruzenbara Formation, Okayama Prefecture, southwest Japan
P34-P02	Bernd Zolitschka	The online "Varve Image Portal": Improving the study of annually laminated sediments
P34-P03	Antti EK Ojala	A signature of North Atlantic oscillation and solar forcing cycles on clastic-biogenic varve formation in continental Scandinavia during the Holocene
P34-P04	Tomi P Luoto	Multiproxy paleolimnological record of Holocene climate trends in High Arctic Svalbard
P34-P05	Yuri Onishi	Environmental changes in lacustrine varved deposits affected by flood events: an example from the Pleistocene Miyajima Formation, Tochigi Prefecture, central Japan
P34-P06	Liisa Nevalainen	Reconstructing UV radiation with fossil melanin
P34-P07	Marttiina V. Rantala	Coupled Holocene paleoclimate, organic carbon pathways and community dynamics in a subarctic lake in northern Lapland
P34-P08	Stefan Engels	Complex vegetation responses to volcanic eruption and Younger Dryas cooling reconstructed using sub-decadal multi-proxy evidence at lake Meerfelder Maar (Germany)
P34-P09	Nathalie Dubois	Upper Lake Zurich/Switzerland: From a clastic to a biochemical lake system within years
P34-P10	Anna H Pliikk	Development of an Eemian (MIS 5e) paleo-lake based on a multi-proxy study of a 9 m thick diatom gyttja sequence from Sokli, NE Finland
P34-P11	Pierre Francus	Annually resolved grain-size analysis from two Arctic varved sediments reveals a strong climate signal
P34-P12	Yoshiki Sato	Late Holocene changes in a lacustrine environment inferred from a fossil diatom analysis of a lakebed sediment core from Lake Hamana, central Japan
P34-P13	Andreas Koutsodendris	Climate and ecosystem dynamics in SE Europe over the last 500 years as evidenced in annually laminated sediments from Etoliko lagoon (Greece)
P34-P14	Sisi Liu	A 14600-year high resolution pollen record of climate change from Genggahai Lake in the Gonghe Basin, northeastern Tibetan Plateau
P34-P15	Ian P Matthews	Constraining the magnitude and timing of abrupt climate events during the Last Glacial to Interglacial Transition (16-8 ka BP): a synthesis of records from Northern Europe.
P34-P16	Emilia M Kosonen	Chemical and physical properties and changes in deposition pattern in a small boreal lake with varved section during the last 150 years

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)**Poster: [S01] Early-Middle Pleistocene transition: local records, global correlations (Event Hall)**

Convener(s): Martin J. Head, Philip L. Gibbard, Hisao Kumai, Brad Pillans

S01-P01	Naohisa Nishida	Sedimentary processes and depositional environments of the Kokumoto Formation, Kazusa Group, central Japan: Implications for the GSSP for the base of the Middle Pleistocene stage
S01-P02	Misao Hongo	Two long pollen records of the Early-Middle Pleistocene transition in Japan
S01-P03	Withdrawn	

S01-P04	Hiroomi Nakazato	Detailed Tephra Catalog of Lower to Middle Part of the Kazusa Group, Lower to Middle Pleistocene, Central Japan
S01-P05	Hiroki Hayashi	Faunal change in planktonic foraminifera across the Matuyama-Brunhes transition at Tabuchi, Chiba Prefecture, central Honshu, Japan
S01-P06	Ikuko Tanaka	Detailed stratigraphy of diatom assemblages across the Matuyama-Brunhes magnetic polarity boundary from a core collected adjacent to the Chiba section, central Japan
S01-P07	Withdrawn	
S01-P08	Natalia P. Gerasimenko	Climatic shift during Early-Middle Pleistocene transition in Central Ukraine

01 August (Sat) 9:00-20:00 Core Time (14:00-15:30)

Poster: [S03] Progress in European Quaternary stratigraphy (Event Hall)

Convener(s): Wim Westerhoff , Guzel Danukalova, Markus Fiebig

S03-P01	Guzel Danukalova	QUATERNARY STRATIGRAPHY OF THE EUROPEAN PART OF RUSSIA
S03-P02	Tivadar Gaudenyi	Stratigraphy of the Quaternary warm stage fluvial series at the Serbian part of the Pannonian realm based on the malacological record
S03-P03	Koen Beerten	Sandy aeolian deposits from the Gent Formation (Flanders, Belgium): lithostratigraphy, geomorphology and age.
S03-P04	Manfred Frechen	Garding Drilling Project - Quaternary of Northern Germany
S03-P05	Yan Li	OSL Dating of Middle and Upper Pleistocene sediments from the Heidelberg Basin Drilling Project (Germany)
S03-P06	Lukasz Bujak	Aeolian activity in Quaternary period in eastern part of Europe (an example of Poland)

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Poster: [T14] Beyond steady-state erosion (Event Hall)

Convener(s): Alexandru T. Codilean, David Fink, John D. Jansen, Oliver Korup, Yuki Matsushi

T14-P01	Tsuyoshi Hattaji	The role of debris flow and bed load transport on long-term denudation process in steep catchments in Ashio Mountains, Japan
T14-P02	Shao-Yi Huang	How do sediments reflect the variable denudation patterns within the catchment?
T14-P03	Kristina Krklec	Current denudation rates of a dolostone karst over Eagle Cave, Central Spain

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Poster: [T18] Geomorphology (Event Hall)

Convener(s): Takashi Oguchi, Christopher Gomez, Kyoko S. Kataoka, Masayuki Seto

T18-P01	Tetsuya Komatsu	Preliminary geomorphological mapping in the Pamirs based on the visual interpretation of satellite images
T18-P02	Javier De Pedraza	Geometry characterization of the Navamuno basin (Iberian Central System) by using geophysical techniques
T18-P03	Barbara Niezabitowska-Wisniewska	Geomorphological conditions of the localisation of prehistoric and historic human settlements in the vicinity of Ulow in Roztocze Region (SE Poland)
T18-P04	Anne-Kyria Robin	Geomorphological context of Obsidian in western Nemrut
T18-P05	Hitomi Takemoto	The Signals of the Pollen Assemblages as the Evidence of the Paleoenvironmental Changes with Geomorphic Changes in the Late Quaternary, Central Japan
T18-P06	Yuichi S. Hayakawa	Mapping surface morphology and outcrop structures of hummocks in debris avalanche deposits using structure-from-motion multi-view stereo photogrammetry

T18-P07	Daniel S Skov	Climate-sensitive feedbacks between hillslope processes and fluvial erosion in sediment-driven incision models
T18-P08	Rodrigo L Soteres	The snow avalanche hazard mapping in the Circo de Gredos (Iberian Central System)
T18-P09	Rachel Zweig	3-D quantification of gully development in arid environments - the Negev Highlands as a case study
T18-P10	Willem G.M. Van der Bilt	Mapping sediment-landform assemblages to constrain the impact of paraglacial catchment processes on sedimentation in a glacier-fed lake on Northwest Spitsbergen
T18-P11	Yaroslav I Trikhunkov	Deformation of Late Quaternary fluvial terraces in the Sochi region, Western Caucasus
T18-P12	Sujay Bandyopadhyay	Late Quaternary landscape development and environmental history of the western part of Lower Ganga Plain (LGP), India
T18-P13	MANJULA STALIN	LATE QUATERNARY GEOMORPHOLOGY OF THE CAUVERY RIVER, INDIA
T18-P14	Takayuki Kawabe	Topographic and geologic analysis of collapses and natural dam hazard in Oguni Basin, southwest of Yamagata Prefecture, Japan
T18-P15	Taeko Itono	Earth surface processes and hydro-environmental changes inferred from lake-catchment systems, Japan, on the basis of sediment information
T18-P16	Reuma Arav	High-resolution characterization of rapid geomorphological changes along receding lake environments
T18-P17	Futoshi Nanayama	The generation and storage of Tsunami traces resulting from the 7.3 ka Kikai Caldera eruption near the Koseda coast of northeastern Yakushima Island
T18-P18	Takahito Kuroki	Volumetric measuring on rework of the pyroclastic fall deposits after the 2011 Shinmoe-Dake eruption at Kirishima volcano
T18-P19	J. Bruce H. Shyu	Neotectonic characteristics along the eastern flank of the Central Range in the active Taiwan orogen inferred from fluvial channel morphology
T18-P20	Amir Saffari	Review of Geomorphic Evidence of tracking the Spread of pluvial lakes in the Quaternary (Case Study: Salt Lake in Central Iran)
T18-P21	Tomohiro Takaba	A field observation of debris-flow fan focusing on lobate landforms with their sedimentary structures: a case at the foot of Ibuki Mountains, Gifu, Japan
T18-P22	Takayuki TAKAHASHI	Estimation of the paleo-river transportation processes from the size and roundness of terrace gravels in the Sagami River, central Japan

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Poster: [T19] Recent progress in the field of active tectonics and paleoseismology (Event Hall)

Convener(s): Hisao Kondo, Hiroyuki Tsutsumi, Nobuhiko Sugito, Koji Okumura, Javed N. Malik

T19-P01	Hideaki Goto	High-resolution Mapping of Fault Geomorphology Using "Structure from Motion - Multi - Video Stereo" Photogrammetry with Aerial Photography of UAV and Hi-view
T19-P02	Tsafrir Levi	Magnetic fabrics reveal paleo-dynamic faulting in soft rocks, Dead Sea basin
T19-P03	Riccardo Civico	LIQUEFACTION SUSCEPTIBILITY ASSESSMENT IN FLUVIAL PLAINS USING HIGH RESOLUTION LIDAR DEM: THE CASE OF THE 2012 EMILIA EARTHQUAKE SEQUENCE (ITALY)
T19-P04	Cengiz Zabci	The preliminary slip rates of the Ovacik Fault (Turkey) for the last 16 ka: Implications for the intraplate deformation of the Anatolian scholle
T19-P05	Hidetsugu Yoshida	Geomorphic features of strike-slip fault topography newly-recognized in the eastern part of Hakodate plain, Hokkaido, Japan
T19-P06	Haruo Kimura	Evolution of fault-related fold and crustal shortening revealed by seismic reflection profiling across the southeastern margin of the Yokote basin, northeast Japan

T19-P07	Makoto Otsubo	Landward migration of active folding inferred from the topographic development of folds along the eastern margin of the Japan Sea, northeast Japan
T19-P08	Yasuhiro KUMAHARA	Paleoseismological study of the active faults in the northern Kanto district, central Japan
T19-P09	Akira Takeuchi	Quaternary Tectonic Environments in the Toyama Trough and the northern Fossa Magna, Central Japan
T19-P10	AYA KATSUBE	Displacement during the last surface-faulting on the northern termination of the East Matsumoto Basin Faults, Itoigawa-Shizuoka Tectonic Line active fault system -Trenching study at Karuma site, Omachi City, Nagano Prefecture-
T19-P11	Hisao Kondo	Temporal change of vertical slip rate distribution along the Uemachi fault zone, central Japan, estimated by high-resolution DEMs and Quaternary stratigraphy
T19-P12	Nobuhiko Sugito	Most-recent faulting event of the Uemachi fault zone in the Osaka metropolitan area, southwest Japan
T19-P13	Toshikazu Yoshioka	Paleoseismicity of the Kokura-higashi fault revealed by a trenching survey in northern Kyushu Island, Japan
T19-P14	Toshimichi Nakanishi	Holocene activity of the Asamigawa fault detected from sediment cores in Beppu city, southwest Japan
T19-P15	Aiguo Wang	Late quaternary activity of Daluo Fault in Southwest Yunnan and discussion about the Tectonic transformation era
T19-P16	Wengui He	Paleoearthquake characteristics of the north segment of east margin fault of Yumu Mountain
T19-P17	Hiroyuki Tsutsumi	Tectonic geomorphology, paleoseismology, and possible surface creep of the northern Sumatran fault, Indonesia

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Farrell Michelle	H06-05	Funabiki Ayako	C05-04	Godbout Pierre M.	S08-P28
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Faurschou Knudsen Mads	C08-P08	Furota Satoshi	C03-07	Goelzer Heiko	C08-03
FENG Zhaodng	P32-01		C09-P02	Gonzalez-Samperiz Penelope	H02-P05
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Fernane Assia	G03-P06	Furuno Kunio	G04-P10	Goodbred Steven L	C11-09
Festi Daniela	P24-02	Furze Mark F.A.	P25-P03		C11-P03
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Field Emily	P12-07	Fyfe Ralph M	H16-P03		P25-03
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		Gabriel Gerald	S03-12	Goto Tomoko	T21-P03
Filipsson Helena L.	P10-05		S03-P05	Goto-Azuma Kumiko	S06-P03
Fink David	P14-04	Gaglioti Benjamin V	P34-08	Gotoh Shinpei	T09-12
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Fitzhugh Ben	C12-05	Ganzawa Yoshihiro	T21-13	Grebennikov Andrei V	H31-P01
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Flemming Nic C.	H20-01	Garcia Juan L.	P12-P10		P14-11
Fletcher Michael-Shawn	H33-02		P16-10	Gribenski Natacha M	P16-04
Fletcher William J	P03-13	Garcia-Meneses Paola M	P20-P05	Griffiths Seren G M	H09-02
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Florez Rodriguez Alexander	H22-09	Garrett Ed	C13-P01	Gruetzner Christoph	T06-09
Fontana Sonia L.	H22-03		T21-07		T06-P06
	H33-04	Gasiorowski Michal	P31-P08	Gu Fang	P09-P08
Fournier Lea LF	T16-01	Gaudenyi Tivadar	P30-04	Gu Ning	P32-05
FRANCA MARLON C.	C02-08		S03-P02	Guerrieri Luca	T05-03
Francke Alexander	P06-10	Gayo Eugenia M	H25-02	Guillet Sebastien	P23-03
Francus Pierre	G03-02	Ge Junyi	H26-03		P23-P01
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Frechen Manfred	S03-P04	Geiger Alessa J	P12-P03		P30-P03
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Frogley Michael R	H24-04	Gerasimenko Natalia P.	S01-P08	<hr/>	
Fu Chaofeng	P35-P05		S03-10	H	
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Fu Ping	T12-P17	Ghazoui Zakaria	P22-P22	Haberker Julia	C09-04
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Fujii Sumio	H14-09	Ghosh Anupam	H17-12	Habicht Hando-Laur	H32-19
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Haines Heather A	P34-03	Heikkila Maija	P25-P04		S01-08
	T17-P01	Hein Andrew S	P14-06	Hori Kazuaki	C14-P05
Hajdas Irka	H11-01		S08-P23	Horikawa Keiji	C03-P04
Hakozaki Masataka	S08-P02	Heinecke Liv	H29-06	Horiuchi Kazuho	S08-17
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Hamilton Sue D	H06-02	Helmens Karin F.	G01-05	Horton Benjamin P	C04-20
Hamley Kit M	H06-P03		P16-06		T21-04
Hammarlund Dan	H10-05	Helsen Michiel M	C15-P07	Horton Benjamin P.	C01-01
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HAN Beibei	H08-P09		P02-P11	Hou Juzhi	P32-02
Han Jingtai	P09-P12	Henderson Andrew C G	P21-23	Hsiung Kan-Hsi	C11-P09
Hanebuth Till J	C09-P03	Hercman Helena	H11-P01	Hsu K P	C06-P28
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Hansson Anton	H20-05		T02-11	Hu Feng Sheng	H02-16
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Hao Qingzhen	P04-13	Hermanns Reginald L	T15-03	Hu Hsun-Ming	P36-P09
Hao Zhixin	P23-P05	Hertler Christine	H22-14	Hu Jiacong	T09-P20
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Hapsari Kartika A.	C02-P08	Hesse Paul P	S06-08	Hu Ningjing	C15-P04
Hardiman Mark	H06-P01	Heyvaert Vanessa M.A.	H07-05	Hu Yaowu	H30-07
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Harlavan Yehudit	C03-05	Hibbert Fiona D	C04-02	Hu Zhujun	C06-04
Harrison Sandy P	P15-05		P04-04	Hua Quan	S08-02
Harrower Michael J	H14-13	Hidy Alan J	P09-P11	Huang Baoqi	G04-P15
Hart Jane K	T08-01	Hiemstra John F	P13-10	Huang Hsin-Yi	C11-P10
Hasada Kodai	C14-06		T08-P02	Huang Kangyou	H15-07
Hasebe Noriko	S08-P31	Higuchi Shigeo	T01-P02	Huang Shao-Yi	T14-P02
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Hasierdun	T24-P09	Hinojosa Jessica L	P12-P21	Huang Xiaozhong	P21-24
Hassall Jonathan D	P05-03	Hirabayashi Shoko	P28-09	Hubert-Ferrari Aurelia D	T06-07
	P12-P02	Hirasawa Yu	H31-14	Hughes Anna L.C.	P13-14
Hattanji Tsuyoshi	T14-P01	Hirashima Takamasa	H26-P02		P13-P06
Hausmann Niklas	P18-03	Hirose Kotaro	H17-11	Hughes Philip D	P16-07
Hawkes Andrea D.	T24-P10	Hisamochi Ryo	P09-P07		S07-P02
Hawthorne Donna	H02-11	Hitoki Eri	H12-04	Humblet Marc	C04-10
Hayakawa Yuichi S.	T18-P06	Hjelle Kari Loe	H16-04	Hunt Chris O	H06-06
Hayashi Hiroki	S01-P05		H20-P01		T02-P10
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Hayashizaki Ryo	S08-P13		P10-01	Igarashi Ryusuke	T15-P08
He Hongming	T18-18	Holt Katherine A	H29-03	Igarashi Yaeko	H03-15
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Ilijanic Nikolina	P06-09	Jardine Phillip E	H29-04	Kamura Kazuo	H17-05
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Imai Takafumi	T21-P07	Jeffrey Amy	H26-P03	Kan Hironobu	C04-P10
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Inglis Robyn H	C06-P20	Jensen Mari F.	P03-04	Kang Ijin	P14-P06
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Inouchi Yoshio	P27-P07	Jessen Catherine	H04-06	Karamperidou Christina	P05-04
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Inoue Naoto	T09-P03	Jia Jia	P21-14	Karasuda Akinori	P22-P07
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Iovita Radu	H21-03	Jiang Wenying	S06-13	Karpinska-Kolaczek Monika S.	P36-P07
	H21-P05	Jiao Shihui	T24-P08	KASAHARA Amao	S05-P01
Iriarte Jose	H16-01	Jie Dongmei	P36-P15	Kasai Mio	C02-P01
Irino Tomohisa	P22-28	Jimenez-Espejo Francisco J	C09-P01	Kashiwaya Kenji	T18-09
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Irizuki Toshiaki	H17-P08	Jin Guangzhe	H17-13	Kato Shinji	H05-04
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Ishihara Takeshi	C14-04	Jin Liya	P21-10	KATSUBE AYA	T19-P10
Ishihara Yoshiro	C14-P02	Jin Zheng Yao	H07-P04	Katsuki Kota	P32-13
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Ito Ayano	H15-02		S05-P17	Kawamura Ai	P19-P01
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Ito Hiroko	T09-07	Jones Miriam C	P31-P02	Kawamura Noriko	T21-P05
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Ivanova Elena V.	C09-P06	Jones Tyler R	P08-02	Kazmer Miklos	T19-15
	S02-05	Jungclaus Johann H	P02-02	KEATES SUSAN G.	H03-01
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Iwano Hideki	H03-11	K. Nageswara Rao	C11-10		G01-03
Iwase Akira	H03-05	K.Ch.V. Naga Kumar V Naga Kumar	C11-11	Kelsey Alison M	P19-P03
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Izumi Kenji	P02-P04	Kageyama Masa	PL-04		C04-P04
Izumi Kentaro	S01-15		P02-P09	Kemp Justine	P07-06
		Kaifu Yousuke	H03-02		P07-P02
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Khan Nicole S	C02-P06	Kolfschoten Thijs van	H34-P21		
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Khatsenovich Arina	H21-P03	Komatsu Tetsuya	T18-P01	Lacey Helen	T21-P15
Khenzykhenova Fedora Irdemovna	H03-14	Komatsubara Junko	T01-P01	Lacourse Terri	P31-04
Khonde Nitesh NARENDRA	P20-P04	Komori Jiro	T22-P04	Laermanns Hannes	H32-P17
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Kigoshi Tomohiko	P27-05	Kondo Hisao	T19-P11	Lamair Laura	G02-05
Kikuchi Makoto	H32-P28	Kondo Yasuhisa	H07-P10		T06-P07
Kikuchi Ruy K	H17-P06		H26-09	Lamb Rachel M	S03-07
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Kikuchi Yukiko	H12-11	Koppel Brent D	H32-P04	Lambert Fabrice	P02-14
Kim Dong Eun	T14-07	Kosonen Emilia M	P34-P16	Lamentowicz Mariusz	H22-06
Kim Jin Cheul	S08-P05	Koster Kay	C02-10		P31-P07
Kim Ju-Yong	P23-06		C11-04	Lancaster Nicholas	S06-15
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Kim Seong-Pil	C10-05	Koutsodendris Andreas	P22-20	Landa Edward R	H08-01
Kimbrough Alena K.	P04-17		P34-P13	Lane Christine S	G02-02
Kimura Haruo	T19-P06	KOYAMA Takushi	T22-P10		S05-08
Kimura Hideto	S01-18	Krause Claire E	G02-10	Lane Timothy P	T12-07
Kimura Katsumi	T09-09	Krivosnogov Sergey K	P21-16		T12-P16
King Georgina E.	S05-P09		P21-P12	Langdon Peter G	H22-P05
	T14-10	Krklec Kristina	T14-P03		P08-06
Kinyanjui Rahab Njuhi	H18-03		T17-P05	Lario Javier	T05-04
Kiro Yael	P04-18	Krohling Daniela M.	T18-25	Larsen Joshua R	P12-23
Kirsten Kelly L.	P12-P17		T24-P11	Larsen Nicolaj K	C08-P03
Kitaba Ikuko	P22-23	KUBO Sumiko	H07-P11	Lasberg Katrin	P13-09
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Kitagawa Keiko	H09-05	Kudo Yuichiro	H12-03	Lbova Liudmila	H03-07
Kitamura Akihisa	T21-P08	Kuhle Matthias	P21-02	Le Beon Maryline	S08-P07
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Kitamura Shigeru	C06-P22	KUMAHARA Yasuhiro	T19-P08	Le Mezo Priscilla K	P02-18
Kitchel Nathaniel R	H09-06	KUMAI Hisao	H11-07		P05-P01
Kito Norio	H22-05	Kumar Parvendra	T22-P07	Le Roux Gael	H08-P05
Kiyonaga Jota	H10-P05	Kumaresan Anbarasu	C11-P05		P31-P05
Klein Eric S	T08-04	Kumazawa Koyo	H11-P04	Leavitt Steven W	G01-09
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Klemann Volker	C04-11	Kunitake- Sadakatsu	H03-12	Leduc Guillaume	C03-P03
Knight Jasper	S03-03	Kurbanov Redzhep N.	C04-P12	Lee Harry F.	G04-P04
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Koarai Mamoru	T19-02	Kuroki Takahito	T18-P18	Lehmkuhl Frank	P30-01
Koay Swee Peng	T09-13	Kuwae Michinobu	P09-08		S06-18
Kobayashi Kazutaka	H12-08	KUZMIN YAROSLAV V.	H05-P02	LEI Yan-Li	P36-P05
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Leonard Nicole D	C04-17	Liu Li Jia	P27-10		H22-P11
Leonard Sonia N	T02-17	Liu Ping	S09-P02	Magyari Eniko Katalin	H29-P07
Leroy Suzanne A	P02-16	Liu Sheng-fa	C03-P01		P30-P01
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Levi Tsafirir	T19-P02	Liu Xianbin	P35-06	Makio Masato	P26-07
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Li Anchun	P10-06	Loakes Katie L	H22-04	Maldonado Antonio	T23-05
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Li Hong-Chun	C06-P01	Loftus Emma	P18-01		P21-19
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Li Jingjing	P27-P15	Lominadze George J.	C06-06	Manaka Takuya	P21-29
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Li Mingqi	H30-04		P21-P11	Mandel Rolfe D.	H32-10
Li Tao	P22-02	Long Kelsie E	H32-05	Mangerud Jan	P13-08
Li Tiegang	C03-04	Lopez Patricio	H32-P16	Manzano Saul	C02-11
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Li Yangyang	S06-16	Loutre Marie-France	P04-25		S07-P01
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Li Yiyin	H02-P03		T12-P04	Marino Maria	S01-05
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Li Zhen	C05-08	Lu Huayu	P32-09		T12-P18
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Li Zi-Ye	C03-P07	Lu Xixi	T18-17	Martin Fabiana M.	H25-P02
Lightfoot Emma	P18-05	Lucquin Alexandre	H05-07	Martin Len F	P12-08
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Limaye Ruta B.	C05-P02	Luzzadder-Beach Sheryl	H04-08	Maselli Vittorio	C04-P16
Limaye Ruta Bharat	C02-06	Lyu Xinmiao	P21-P19		C11-P12
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Linch Lorna D	C10-08	Ma Chunmei	P21-20	Masi Alessia	H06-07
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Lincoln Paul C	H04-P03	Mackay Helen	P31-06	Matsuoka Haruka	H21-06
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McRobie Fiona H	G02-P01	Moraes Alex Souza	H02-09	Nakamura Toshio	H04-P04
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Seppa Heikki	H02-P07	Silva Pablo G	T05-P05		T02-19
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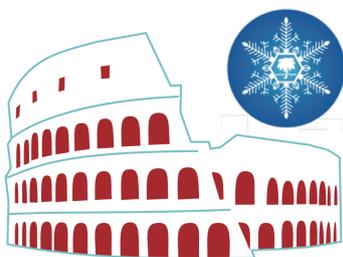
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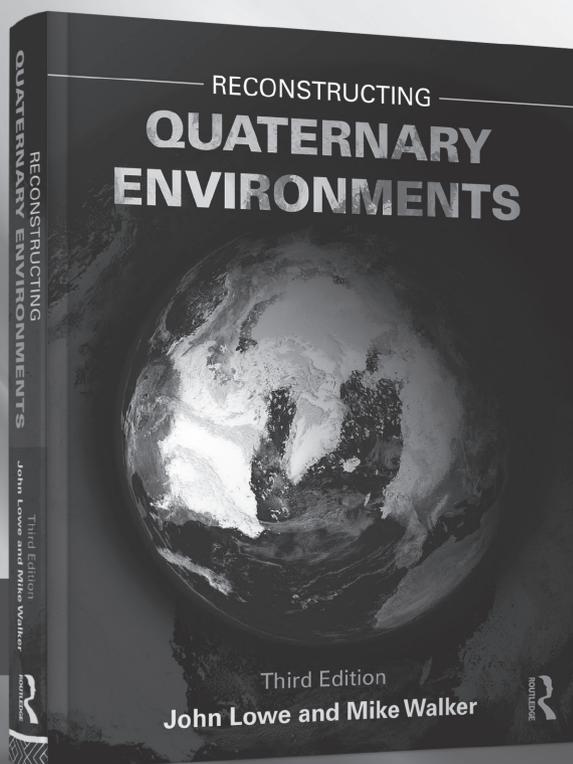
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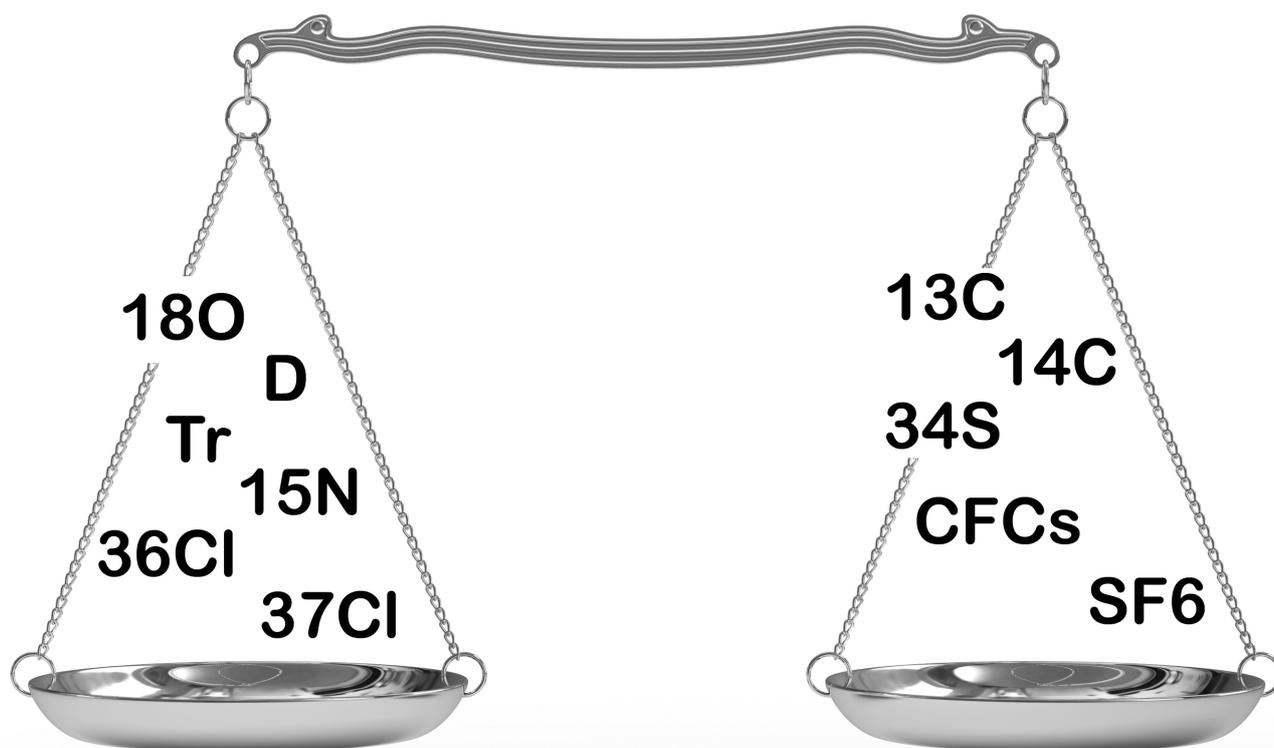
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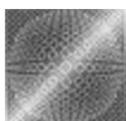
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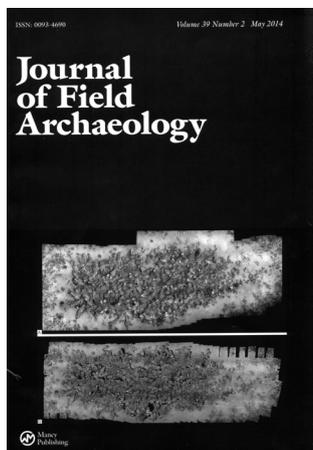
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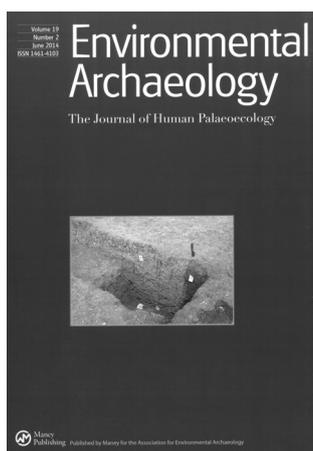
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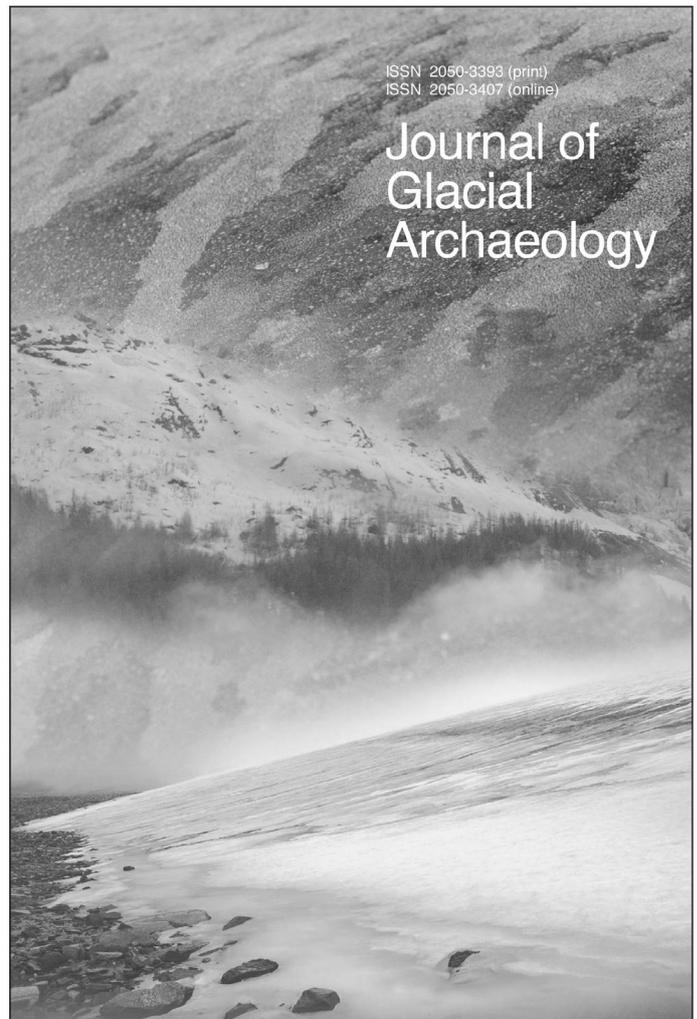
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The cryosphere is the area of the earth that remains perennially frozen in the form of permafrost, glaciers and sea ice. As climates continue to warm and sea ice and permafrost retreats pole-ward, glaciers are receding and ice patches are shrinking. Some of these features contain unique archaeological finds that have remained frozen and well preserved for hundreds and even thousands of years. These frozen sites and finds, as well as the methods and theories involved in their identification, excavation, conservation and display, are the subjects of *Journal of Glacial Archaeology*.

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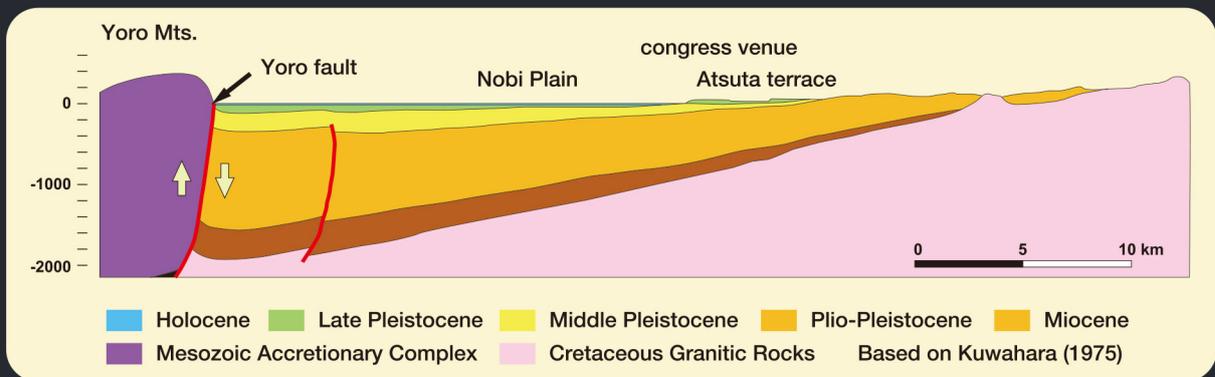
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Nagoya and Nobi Plain: Active reverse faulting along the Yoro fault tilts entire Nobi Plain towards west. The most recent faulting occurred in 1586 A.D. The subsidence has created the fertile Nobi Plane where flood management has been a big challenge. The congress venue is located at the east end of the alluvial plain just under the MIS 5 Atsuta terrace. Ontakesan volcano that erupted in 2014 and Hida Mountains are in the upper right corner. The back cover shows steaming Ontakesan, Hida Mountains, and Myoko volcanos.

