

地球惑星科学委員会地球惑星科学国際連携分科会
INQUA小委員会
(第25期・第3回)

議 事 次 第

1. 日 時 令和5年6月11日(日) 11:00~11:30
2. 会 場 遠隔会議(主催会場:島根大学)
3. 議 題・報 告
 - (1) 日本学術会議公開シンポジウム
「最終氷期以降の日本列島の気候・環境変動と人類の応答」
事前予約約700名、Zoomのウェビナー(1000名)で開催予定
 - (2) INQUA ローマ大会に向けての対応
前回会議以降の動き
大会参加者と大会での対応
 - (3) その他
26期に向けて
4. 配布資料
資料1:ポスター「最終氷期以降の日本列島の気候・環境変動と人類の応答」
資料2:INQUA ローマ大会プログラム

日本学術会議公開シンポジウム

最終氷期以降の日本列島の気候・環境変動と人類の応答

2023（令和5）年6月11日（日）13:00～17:20
オンライン開催（事務局主会場：島根大学）

【開催趣旨】今よりも暖かかった12万年前の最終間氷期を過ぎると、地球は最終氷期と呼ばれる寒冷な気候に移行しました。ヒト（現生人類）は、この最終氷期にアフリカを離れユーラシアへ、またオセアニアや南北アメリカに広く拡散していきます。日本列島には3万8千年前にヒトが生活していたことがわかっています。最近の十数年間に、古気候、古環境や人類・考古の研究は大きく進展し、多くの新しい発見がありました。本シンポジウムは、人類はどのように気候変動や環境変動に応答し現在に至ったかを、日本列島を中心に古気候、古海洋、人類、考古の各専門分野の最前線で活躍する人たちが、最新の研究成果とともに紹介します。

（世話人：齋藤文紀、出穂雅実）

13:00 開会挨拶・趣旨説明

齋藤文紀 日本学術会議連携会員、島根大学エスチュアリー研究センター長・特任教授

13:10 過去15万年間の気候変動

阿部彩子 日本学術会議連携会員、東京大学大気海洋研究所・教授

13:30 現生人類がたどってきた道

海部陽介 日本学術会議連携会員、東京大学総合研究博物館・教授

13:50 アイスエイジから現在までの海水準：ヒトは歩いて海峡を渡れたか？

横山祐典 東京大学大気海洋研究所・教授

14:10 最終氷期における日本周辺の海洋環境

郭新宇 愛媛大学沿岸環境科学研究センター長・教授

14:30 休憩

14:40 年縞から見た「暴れる気候」と人間の歴史

中川毅 立命館大学古気候学研究センター長・教授

15:00 日本列島の現生人類文化の出現、定着、変化

出穂雅実 東京都立大学人文社会学部・准教授

15:20 古代ゲノムから見た日本列島の現生人類

太田博樹 東京大学大学院理学系研究科・教授

15:40 休憩

15:50 樹木年輪から見た年から十年単位の気候変動

中塚武 名古屋大学大学院環境学研究科・教授

16:10 縄文・弥生社会の環境構築

松本直子 岡山大学文学部・教授

16:30 総合討論

長谷部徳子 日本学術会議連携会員、金沢大学環日本海域環境研究センター・教授

出穂雅実 東京都立大学人文社会学部・准教授（司会）

17:10 閉会挨拶

諏訪元 日本学術会議連携会員、東京大学総合研究博物館・特任教授

17:20 閉会

主催：日本学術会議 地球惑星科学委員会国際連携分科会、地球・人間圏分科会

共催：日本第四紀学会、島根大学エスチュアリー研究センター

後援：日本考古学協会、日本旧石器学会、日本人類学会、地球環境史学会



お申し込みはこちら

事前登録制（先着500名）、参加費無料
申込先：https://www.leaf2.shimane-u.ac.jp/enquete/no/ingua_symo

申込締切：2023年6月7日（水）

申し込みされた方に、ZoomのURLをお送りします。

連絡先：齋藤文紀（日本学術会議連携会員、島根大学エスチュアリー研究センター特任教授、ysaito@soc.shimane-u.ac.jp）

SUNDAY 10-THURSDAY 13

9.00-16.00

PCSC1 Introduction to Ostracoda

WEDNESDAY 12

09.00-13.00
PCW2 Best practices and data quality challenges for coastal marine proxies in the Arctic ACME Steering Committee

10.00-13.00
PCW3 Reconstructing the Quaternary explosive volcanic history of the Anatolian Peninsula: Implications for volcanic hazard assessments in Turkey

14.00-17.00
PCW3 Reconstructing the Quaternary explosive volcanic history of the Anatolian Peninsula: Implications for volcanic hazard assessments in Turkey

THURSDAY 13

09.00-13.00
PCW4 Neotoma Paleoecology Database: Catalyzing Open Quaternary Science

14.00-16.00
PCW4 Neotoma Paleoecology Database: Catalyzing Open Quaternary Science

FRIDAY 14

8.30

OPENING

9.30-11.00

GENERAL ASSEMBLY I

11.00-11.30

COFFEE BREAK

11.30-13.00

Session 3: Orbital and millennial vegetation changes at global and regional scales during the Quaternary: insights from data and models.	Session 10: Visualizing Science – The art of communicating science	Session 16: Linking paleoenvironmental proxies at different scales: potential, problems and limits	Session 24: Fluid venting as a submarine geomorphic process	Session 56: The Palaeolithic of the Americas: population dynamics, behavioral variability and technological diversity around the Last Glacial Maximum (MIS 2-3)	Session 74: Advances and new challenges in modeling landscape change in the "Anthropocene": Transdisciplinary approaches using remote sensing and geochronology	Session 80: Magnetostratigraphy and Environmental Magnetism contribution to understand paleoclimatic and paleoenvironmental changes	Session 107: More than the sum: fault re-ruptures and cumulative damage during seismic sequences	Session 108: Equitable and ethical knowledge production in Quaternary Science	Session 182: From Cores to Code: Data-Model Integration to Improve Reconstructions and Forecasts of Coastal Change	Session 184: Seismic hazard assessment in populated areas of Latin America: incorporating seismogenic faults	Session 187: Equity, Diversity and Inclusion Initiatives in the Quaternary Sciences	Session METIQ PROJECT: the first 1:500,000 Quaternary Map of Italy
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13.00-14.30

LUNCH

14.30-15.45

POSTER (ALL SESSIONS OF THE DAY)

15.45-16.15

COFFEE BREAK

16.15-18.15	Session 196: Quaternary sedimentary-basins evolution: controlling factors and implications for future scenarios or past reconstructions	Session 10: Visualizing Science – The art of communicating science	Session 16: Linking paleoenvironmental proxies at different scales: potential, problems and limits	Session 38: Reconciling deformation through Geomorphology, Active tectonics and Paleoseismology investigations along the India plate	Session 56: The Palaeolithic of the Americas: population dynamics, behavioral variability and technological diversity around the Last Glacial Maximum (MIS 2-3)	Session 74: Advances and new challenges in modeling landscape change in the "Anthropocene": Transdisciplinary approaches using remote sensing and geoarchaeology	Session 41: Late Quaternary desertification, landscape changes, paleoclimate, and human adaptation	Session 78: Subduction zone palaeoseismology	Session 95: Impacts of abrupt climate change on ecosystems, landscapes and societies through INTegration of Ice-core, MARine and TERrestrial records (INTIMATE)	Session 109: Animals, environments & humans: diverse perspectives from the Quaternary	Session 115: Palaeoenvironmental research in SW Asia: Recent advances & future opportunities	Session 121: The anthropology of climate change	Session 134: How Absolute and How Relative: Challenges and Resolutions Associated with Applying Dating Techniques in the Quaternary period	Session 180: Sedimentary record of past catastrophic coastal flooding (tsunami, storms)
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18.15-19.15

CMP Commission Business meeting

19:30

ECR ice-breaker

SATURDAY 15

8.30-10.30	Session 5: Multidisciplinary hazard and risk study on active coastal and insular volcanoes	Session 30: A multiscale geoarchaeological approach for the interpretation of palaeo-landscapes and human activities	Session 31: Processes and feedbacks during glacial terminations	Session 45: Plants as Resources for Early Humans – Availability and potential exploitation of useful wild plants through Pleistocene human history	Session 68: Rivers and fans: sediment and landform archives of long-term Quaternary landscape development and environmental change	Session 83: Quaternary glacial-climate dynamics in the mid & high latitudes of the Southern Hemisphere	Session 73: Altered landscapes (Pleistocene and Holocene) of the archaeological sites	Session 101: Integration of palaeoecological proxy data for the reconstruction of climate and environment dynamics	Session 109: Animals, environments & humans: diverse perspective from the Quaternary	Session 127: Uncovering the environmental legacies of colonialism	Session 135: Mammals biochronology and palaeoecology of the Euro-Mediterranean Quaternary	Session 179: From coastal geomorphology to earthquake hazard (F-Coast2EHZ): new perspectives and multidisciplinary approaches	Session 205: The environment background and human adaptations during the transition or shift from archaic humans to modern humans in East Asia
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10.30-11.00

COFFEE BREAK

11.00-13.00	Session 204: Late Quaternary Faulting and Earthquake Geology in volcanic areas	Session 30: A multiscale geoarchaeological approach for the interpretation of palaeo-landscapes and human activities	Session 31: Processes and feedbacks during glacial terminations	Session 48: Quaternary climate, landscape and surface processes in mountain belts	Session 68: Rivers and fans: sediment and landform archives of long-term Quaternary landscape development and environmental change	Session 59: Past, present and future ice-ocean-atmosphere interactions between the Southern Ocean and the Antarctic Ice Sheet	Session 73: Altered landscapes (Pleistocene and Holocene) of the archaeological sites	Session 101: Integration of palaeoecological proxy data for the reconstruction of climate and environment dynamics	Session 109: Animals, environments & humans: diverse perspective from the Quaternary	Session 130: Advancing paleoscience in underrepresented regions: promoting records of past socio-environmental systems in the Global South and beyond	Session 135: Mammals biochronology and palaeoecology of the Euro-Mediterranean Quaternary	Session 181: Transferring scientific knowledge on Quaternary geological processes and geohazards into disaster risk reduction activities	Session 205: The environment background and human adaptations during the transition or shift from archaic humans to modern humans in East Asia
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13.00-14.00

LUNCH

14.00-14.45

PLENARY SESSION

14.45-15.45

POSTER (ALL SESSIONS OF THE DAY)

16.15-18.15

18.15-19.15

Session 21: Records of climate change from MIS 3 and MIS 2 in the Southern Hemisphere: The Lynda Petherick Memorial Session	Session 30: A multiscale geochronological approach for the interpretation of palaeolandscapes and human activities	Session 63: Late Quaternary fluvial archives from the time of Homo sapiens: Stratigraphical, sedimentological, palaeontological and geochronological records	Session 100: Multi-methods geochronological approaches on Palaeolithic sites	Session 101: Integration of palaeoecological proxy data for the reconstruction of climate and environment dynamics	Session 105: Quaternary mapping across the world and the IQAME European experience	Session 109: Animals, environments & humans: diverse perspectives from the Quaternary	Session 125: African Quaternary environments: Palaeoecology and cultural responses to environmental variance	Session 128: African Acheuleans in the Early/early Middle Pleistocene: triggers, techno-subsistences, time-lines	Session 155: Linking land and sea - multiple approaches to investigating human-environment interactions in the coastal zone	Session 185: Active faults evolution: revelations from different timescales	Session 205: The environment background and human adaptations during the transition or shift from archaic humans to modern humans in East Asia	Session 207: Not only z-corals: Quaternary reefs across the latitudinal and depth gradients
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TERPRO Commission Business meeting

SUNDAY 16

MID-CONGRESS FIELD TRIPS, SHORT COURSES and WORKSHOPS

09:00-13:00	PCW1 Exploring the interface between Sustainability and Palaeoecology	MCW2 Multi-theme Quaternary database for the Global South: challenges and opportunities	MCW3 Integrative paleo-approaches for global conservation challenges	MCW4 RECENT DEVELOPMENTS IN LANDSLIDE SCIENCE: Implications for Geomorphic Modeling, Hazard Assessment, and Paleoclimate Proxies	MCW5 Processes and feedbacks during glacial terminations	MCSC2 Reconstructing past climates from biotic assemblages	MCSC3 Towards consolidating a Latin American Quaternary network	MCW1 International Quaternary Map of Europe IQAME 2500 Consultation Workshop
14:00-16:00	PCW1 Exploring the interface between Sustainability and Palaeoecology	MCW2 Multi-theme Quaternary database for the Global South: challenges and opportunities	MCW3 Integrative paleo-approaches for global conservation challenges	MCW4 RECENT DEVELOPMENTS IN LANDSLIDE SCIENCE: Implications for Geomorphic Modeling, Hazard Assessment, and Paleoclimate Proxies	MCW5 Processes and feedbacks during glacial terminations	MCSC1 An introduction to crestr, an R package to perform probabilistic climate reconstructions from palaeoecological datasets	Inter Continental Scientific Drilling Program: Scopes, Design and future prospects for Early Career Researchers	MCW1 International Quaternary Map of Europe IQAME 2500 Consultation Workshop
16:00-18:00								

MONDAY 17

8.30-10.30	Session 6: Recent advances in understanding the Quaternary geomorphological evolution of continental margins	Session 19: Global characterization of the Neogene–Quaternary (Pliocene–Pleistocene) transition	Session 29: Escaping the trap: frontiers of trapped charge dating	Session 33: Quaternary Glaciations: Processes, Sediments and Landforms	Session 55: Understanding the human-animal-environment interface in Quaternary South Asia	Session 60: Geoarcheology and paleoenvironmental evolution of the coastal areas	Session 90: Ancient DNA from Quaternary and Archaeological Sediments	Session 123: Advances in tectonic geomorphology, paleoseismology, and multi-disciplinary active fault studies	Session 137: Geological and climate forcings on human groups / ancient societies, and their feedbacks	Session 141: How can the Quaternary sciences contribute to scientific assessment of biodiversity, ecosystems, and nature?	Session 143: Environmental responses to climatic and human impacts in endangered biodiversity hotspots: past and present for future	Session 154: Quaternary research in South America: paleoclimate, tectonic, volcanic and surface processes	Session 159: Human-environment interactions in coastal areas: new ways to learn from the past	Session 197: How can archaeology, palaeoecology, traditional knowledge, and more-than-human approaches contribute towards a more sustainable and culturally informed future?
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10.30-11.00 COFFEE BREAK

11.00-13.00	Session 6: Recent advances in understanding the Quaternary geomorphological evolution of continental margins	Session 58: The new challenges for luminescence dating	Session 66: Data modelling and Inference	Session 33: Quaternary Glaciations: Processes, Sediments and Landforms	Session 55: Understanding the human-animal-environment interface in Quaternary South Asia	Session 60: Geoarcheology and paleoenvironmental evolution of the coastal areas	Session 90: Ancient DNA from Quaternary and Archaeological Sediments	Session 123: Advances in tectonic geomorphology, paleoseismology, and multi-disciplinary active fault studies	Session 137: Geological and climate forcings on human groups / ancient societies, and their feedbacks	Session 141: How can the Quaternary sciences contribute to scientific assessment of biodiversity, ecosystems, and nature?	Session 143: Environmental responses to climatic and human impacts in endangered biodiversity hotspots: past and present for future	Session 154: Quaternary research in South America: paleoclimate, tectonic, volcanic and surface	Session 159: Human-environment interactions in coastal areas: new ways to learn from the past	Session 89: Cenozoic sea-level indicators and ice sheet constraints to global sea-level change
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13.00-14.00 LUNCH

14.00-14.45 PLENARY SESSION

14.45-15.45 POSTER (ALL SESSIONS OF THE DAY)

16.15-18.15	Session 2: Recent advances in understanding the causes of changes in regional and global palaeofire regimes: resources, tools and new approaches	Session 3: Orbital and millennial vegetation changes at global and regional scales during the Quaternary: insights from data and models	Session 35: Dust dynamics through the Quaternary: terrestrial records of climatic and environmental impacts	Session 33: Quaternary Glaciations: Processes, Sediments and Landforms	Session 40: The Anthropocene as a tool for characterizing recent planetary change and predicting future environmental challenges	Session 44: Environment-human interfaces, new frontiers of consilience in the reconstruction of the past	Session 67: Exceptional archives: Leveraging visible and non-visible lagerstätten with cutting-edge methods to broaden our knowledge of Quaternary ecosystems	Session 98: Past vegetation dynamics and their role in climate change	Session 123: Advances in tectonic geomorphology, paleoseismology, and multi-disciplinary active fault studies	Session 145: Climate Records from Coastal Systems	Session 156: Multidisciplinary approaches of calcareous tufas and travertines: investigating environments and climates from Prehistory to today	Session 160: Geoheritage: role of scientists to keep earth scientific treasures for future generations	Session 183: Frontiers in drylands research	Session 186: The Long Walk to the Anthropocene: Exploration within Quaternary contexts
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18.15-19.15 ECR, HABCOMM, BOREAS BOARD Business meetings

TUESDAY 18

8.30-10.30	Session 4: Bridging earthquakes over time scales – from the seismic cycle to Quaternary landscape evolution: contributions from the EDITH INQUA-TERPRO- Terrestrial Processes, Deposits and History Project	Session 9: The Anthropocene – Its geo-archaeological indicators and early inceptions through the modern	Session 14: Climate and environmental changes during the Holocene and past interglacials based on biological and geochemical proxies	Session 22: Mountain glaciations and their diversity: Perspectives in geomorphology, geochronology, palaeogeology, and palaeoclimatology	Session 35: Dust dynamics through the Quaternary: terrestrial records of climatic and environmental impacts	Session 36: Conservation paleobiology : late Neogene to Quaternary records as a baseline for conservation of modern ecosystems	Session 42: Ecosystem change and hunter-gatherer behavioral decisions in the terminal Pleistocene Pacific Rim	Session 84: Extending the limits of ice core science beyond new analytical, conceptual and interdisciplinary frontiers	Session 88: Human-environmental Interactions Along the Ancient Silk Roads	Session 92: Zooming into the Quaternary Research in South Asia: Understanding the landscape-cultural-climatic evolution	Session 138: Wet Environments and Human Communities : Interaction and Resilience in the Holocene and Antiquity	Session 139: Holocene Global Landuse	Session 163: Quaternary palaeoenvironmental dynamics/vulnerability: promoting multiple proxy records from West-Central Africa	Session 173: Palaeoclimate records from the Southern Hemisphere
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10.30-11.00 COFFEE BREAK

11.00-13.00	Session 62: Paleoclimate, paleoweathering, paleoprovenance and machine learning on sediments during Late Quaternary Period	Session 69: Quaternary palaeolandscapes, palaeoclimatic and palaeoenvironmental change in the North Sea	Session 14: Climate and environmental changes during the Holocene and past interglacials based on biological and geochemical proxies	Session 22: Mountain glaciations and their diversity: Perspectives in geomorphology, geochronology, palaeogeology, and palaeoclimatology	Session 177: Factors influencing the diversity of loess sedimentary environments and the resulting variability of palaeoclimatic and palaeoenvironmental signals	Session 36: Conservation paleobiology : late Neogene to Quaternary records as a baseline for conservation of modern ecosystems	Session 42: Ecosystem change and hunter-gatherer behavioral decisions in the terminal Pleistocene Pacific Rim	Session 43: Millennial paleo-landscape reconstructions of coastal areas. From field data to modelling approaches	Session 47: The geological record of capable faults	Session 92: Zooming into the Quaternary Research in South Asia: Understanding the landscape-cultural-climatic evolution	Session 138: Wet Environments and Human Communities : Interaction and Resilience in the Holocene and Antiquity	Session 112: Micromorphology as a tool in Quaternary studies to reconstruct changes in natural and anthropogenic sequences	Session 102: West African Quaternary: understanding past climate oscillations and human responses to anticipate future adaptations	Session 173: Palaeoclimate records from the Southern Hemisphere
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13.00-14.00 LUNCH

14.00-14.45 PLENARY SESSION

14.45-15.45 POSTER (ALL SESSIONS OF THE DAY)

16.15-18.15	Session 169: Quaternary Proglacial Lakes: Sediments, Landforms, Impacts	Session 176: Tectonic and Climate-driven Landscape Evolution a never-ending challenge for modern society (Thoughts from LEMON project, INQUA - AIQUA)	Session 14: Climate and environmental changes during the Holocene and past interglacials based on biological and geochemical proxies	Session 148: Climate-glaciers interactions in mid-latitude mountains	Session 162: Astronomical forcing and nonlinear climate feedbacks during the Pleistocene Epoch	Session 36: Conservation paleobiology : late Neogene to Quaternary records as a baseline for conservation of modern ecosystems	Session 43: Millennial paleo-landscape reconstructions of coastal areas. From field data to modelling approaches	Session 46: Application of biomarkers and CSIA in Pleistocene archaeology	Session 70: Global and local views on the ecological, environmental, and climatic backdrop for hominin dispersal out of Africa in the early Pleistocene	Session 71: Quaternary of North Africa: chronostratigraphy and paleoclimatic variations	Session 85: Loess and dust deposits: beyond local studies	Session 99: Lipid biomarkers as molecular archives of human activity from archeological sites	Session 103: Terrestrial hydroclimate: towards quantification and climate model comparisons	Session 118: Cave deposits for in deep understanding Quaternary climate and environment	Session 34: Discussion Panel on Assessing Fault Capability in Different Geodynamic and Environmental Settings
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18.15-19.15

SACCOM Commission Business meeting

20:00

SOCIAL DINNER

WEDNESDAY 19

8.30-10.30

Session 11: Proxy-based reconstructions of atmospheric and oceanic patterns	Session 14: Climate and environmental changes during the Holocene and past interglacials based on biological and geochemical proxies	Session 15: Understanding regional and global monsoons changes across timescales	Session 64: Mapping Ancient Africa: Climate, Vegetation & Humans	Session 77: Quantitative proxies for paleoenvironmental reconstructions from loess and terrestrial archives	Session 79: The Global Tropics from the Pliocene to the Anthropocene	Session 87: Prehistoric hunter-gatherers' adaptation during the Last Glacial in Europe	Session 104: Novel molecular tools (biomarkers and DNA) in climatic and environmental archives – challenges, advances, and prospects	Session 106: Evolution of coastal environments under natural and anthropogenic processes: the role of geoscience	Session 126: Sub-annual to decadal records of environmental change	Session 147: Sea-Level, Ice-Sheet, and Earth system evolution: understanding the past to constrain the future	Session 157: Peatlands through time: development and palaeo-environmental reconstruction	Session 164: Understanding MIS 5d-a: sediments, paleoclimate, chronology and long-distance correlation	Session 190: Paleosol memory of environmental change and man-landscape interactions: from soil profile to geosystem
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10.30-11.00

COFFEE BREAK

11.00-13.00

Session 11: Proxy-based reconstructions of atmospheric and oceanic patterns	Session 14: Climate and environmental changes during the Holocene and past interglacials based on biological and geochemical proxies	Session 15: Understanding regional and global monsoons changes across timescales	Session 20: Subglacial erosion, transport, and deposition: from landform and sediment evidence to modeling	Session 77: Quantitative proxies for paleoenvironmental reconstructions from loess and terrestrial archives	Session 79: The Global Tropics from the Pliocene to the Anthropocene	Session 64: Mapping Ancient Africa: Climate, Vegetation & Humans	Session 82: Data science and paleoecology: current intersections and advances	Session 106: Evolution of coastal environments under natural and anthropogenic processes: the role of geoscience	Session 87: Prehistoric hunter-gatherers' adaptation during the Last Glacial in Europe	Session 147: Sea-Level, Ice-Sheet, and Earth system evolution: understanding the past to constrain the future	Session 157: Peatlands through time: development and palaeo-environmental reconstruction	Session 208: Achievements and new perspectives in Quaternary sciences from scientific drilling	Session 25: Islands and their relationship with the continent to investigate time and mode of their colonization by terrestrial vertebrates and Homo dispersal
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13.00-14.00

LUNCH

14.00-14.45

PLENARY SESSION

14.45-15.45

POSTER (ALL SESSIONS OF THE DAY)

16.15-18.15

Session 13: Records of LGM climate and ecosystems dynamics	Session 14: Climate and environmental changes during the Holocene and past interglacials based on biological and geochemical proxies	Session 15: Understanding regional and global monsoons changes across timescales	Session 28: Timing and structure of freshwater ecosystem response to external forcing: evidence from high-resolution multi-proxy lake and peat bog records	Session 18: Dansgaard-Oeschger events in climate models and the real world	Session 37: Reconstructing Quaternary ice sheets	Session 72: The role of Tephrochronology in the study of Earth system dynamics during the Quaternary: Event timings, duration and frequencies	Session 120: Volcanic impacts on climate and society	Session 142: Palaeoecology and restoration ecology	Session 152: Archaeological cave sediments: a key to decipher past human behavior and palaeoclimatic change	Session 158: The geomorphic signature of marine and continental Quaternary deposits	Session 166: Quaternary palaeohydrology: from the reconstruction of spatial impact of extreme events to long-term changes in catchments and landscapes	Session 174: Tracing the impact of palaeoenvironmental changes in ancient DNA
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18.15-19.15

PALCOM Commission Business meeting

THURSDAY 20

8.30-10.30	Session 52: Eurasia, one continent one common past: cross-continental stratigraphical correlations	Session 14: Climate and environmental changes during the Holocene and past interglacials based on biological and geochemical proxies	Session 27: Resilience versus collapse: Human responses to climate change in the Quaternary	Session 32: Paleo perspectives on a warmer and wetter future Arctic	Session 18: Dansgaard-Oeschger events in climate models and the real world	Session 37: Reconstructing Quaternary ice sheets	Session 72: The role of Tephrochronology in the study of Earth system dynamics during the Quaternary: Event timings, duration and frequencies	Session 142: Palaeoecology and restoration ecology	Session 133: Unravelling Mediterranean sensitivity to past rapid climate variability	Session 140: Quantifying climate change in Australasia: challenges and opportunities	Session 158: The geomorphic signature of marine and continental Quaternary deposits	Session 166: Quaternary palaeohydrology: from the reconstruction of spatial impact of extreme events to long-term changes in catchments and landscapes	Session 170: Biotic markers and measures of biodiversity of Holocene environmental change	Session 193: Indo-Asian Monsoon on decadal to centennial-millennial scale and their link to the Indo-Pacific past climate variability
10.30-11.00	COFFEE BREAK													
11.00-11.45	PLENARY SESSION													
11.45-12.45	POSTER (ALL SESSIONS OF THE DAY)													
13.00-14.00	LUNCH													
14.00-14.45	GENERAL ASSEMBLY II													
14.45-15.15	FAREWELL													
15:15-16:15	IC+CP meeting													