

Listing of oral sessions from preliminary programme for INQUA 2019

Correct as of 27.03.19



Commission	Session	Day
Terrestrial Processes, Deposits and History	A new age of Paleofire research: Insights from the past and challenges for the future	Friday
Palaeoclimate	Abrupt changes in climate and ice sheets during glacial-interglacial cycles	Friday
Palaeoclimate	Abrupt climate changes: the view from lakes	Friday, Saturday
Palaeoclimate	Advances in historical climatology and climate history	Thursday
Terrestrial Processes, Deposits and History	Advances in Quaternary geological and geomorphological mapping: Approaches to data collection, processing, management and application	Friday
Palaeoclimate	Aeolian mineral dust and climate: Interactions, simulations and climate archives	Thursday
Terrestrial Processes, Deposits and History	African paleoclimates and paleoenvironments: From off shore records to continental archives, from landscape responses to human adaptation	Monday
Humans and Biosphere	Ancient DNA from Quaternary and archaeological sediments	Friday
Palaeoclimate	Arctic sea ice reconstructions and proxy development	Friday
Palaeoclimate	Are North Atlantic 'Heinrich Stadials' cooling or warming events...or both?	Tuesday
Coastal and Marine Processes	Back to the future: Submerged shorelines on the shelf as tools for climate, sea-level and future shoreline reconstructions	Saturday
Palaeoclimate	Bayesian statistical analysis methods for paleoclimate data	Tuesday
Humans and Biosphere	Before and after the earliest Homo dispersal in Eurasia: Early-Middle Pleistocene faunas and and vegetation and the dynamics of the Human Resource Space	Saturday
Palaeoclimate	Black Sea and Caspian in the frame of their Eurasian drainage basin	Monday
Palaeoclimate	Bridging the gap between proxies/reconstructions and simulations in the late Holocene period	Wednesday
Palaeoclimate	Building a better understanding of past climates, ecosystems, and societies through Open Big Data	Wednesday
Terrestrial Processes, Deposits and History	Caves as hidden Quaternary archives	Saturday
Stratigraphy and Chronology	Chronology and environmental context of hominin occupation in the Southern Caucasus	Friday

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Palaeoclimate	Climatic and human impacts of volcanism during the Quaternary	Wednesday
Humans and Biosphere	Combining palaeoecology with ecological models	Thursday
Humans and Biosphere	Connecting palaeoecology with present and future ecosystem dynamics	Saturday
Palaeoclimate	Connections across the ITCZ boundary: Asian and Australasian monsoon dynamics and variability during the Holocene	Friday
Humans and Biosphere	Continuous records of tropical climate and environmental history	Saturday
Terrestrial Processes, Deposits and History	Dates, rates and bytes: Quantifying and deciphering Quaternary Earth surface dynamics	Saturday
Humans and Biosphere	Do species move, adapt or die? Exploring biodiversity dynamics in the fossil record	Thursday
Terrestrial Processes, Deposits and History	Drumlins - studies of a persisting enigma	Friday
Terrestrial Processes, Deposits and History	Dust sources and emission dynamics from different geomorphic units during the Quaternary and at present	Monday
Terrestrial Processes, Deposits and History	Earthquake geology and seismic hazards: From earthquake mapping of historical and prehistoric earthquakes to paleoseismology	Tuesday
Palaeoclimate	East Afro-Asian and Indian summer monsoon reconstruction: Terrestrial and marine records since the MIS-5 to MIS-1	Friday
Terrestrial Processes, Deposits and History	Engineering in the Quaternary	Thursday
Stratigraphy and Chronology	Estimates of global ice volumes during MIS 3 in need of re-evaluation: A multi-disciplinary approach	Thursday
Stratigraphy and Chronology	Formal chronostratigraphy in the Quaternary	Thursday
Terrestrial Processes, Deposits and History	Frontiers in drylands research	Saturday
Humans and Biosphere	Geoarchaeology between Mediterranean areas and arid margins: human-environment interaction and landscape mobility	Saturday
Coastal and Marine Processes	Geological and geophysical archives of ice sheets on continental shelves	Wednesday
Humans and Biosphere	Geoscience for sustainable futures	Thursday

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Terrestrial Processes, Deposits and History	Glacial and periglacial landsystems – recent advances and their implications for engineering geology	Wednesday
Terrestrial Processes, Deposits and History	Glacier response to abrupt climate change	Monday
Palaeoclimate	Glaciers, moraines and climate: Challenges of identifying, dating and extracting palaeoclimatic data from former glacier fluctuations	Saturday
Terrestrial Processes, Deposits and History	Glacifluvial processes and products: Implications for Quaternary glacier dynamics	Thursday
Terrestrial Processes, Deposits and History	Glacigenic signatures of the last British-Irish ice sheet	Thursday
Palaeoclimate	Heinrich events in terrestrial archives	Monday
Palaeoclimate	Holocene climate variability in Antarctica and the Southern Hemisphere	Monday
Terrestrial Processes, Deposits and History	Holocene glacier change in High Mountain Asia	Friday
Humans and Biosphere	Human and non-human responses to the mid-Pleistocene transition	Tuesday
Humans and Biosphere	Human-environment interactions in the late Quaternary: sources of evidence and applications	Monday, Tuesday
Palaeoclimate	Hydroclimate change in Drylands	Monday
Palaeoclimate	INTEgrating Ice core MARine and TERrestrial records to understand climate variability on decadal to millennial timescales	Tuesday
Coastal and Marine Processes	Integrating instrumental data, geological data and modelling to better constrain high-latitude ice sheet and glacier change	Thursday
Terrestrial Processes, Deposits and History	Integrating stratigraphy and geology to constrain cosmogenic nuclide interpretations of earth surface processes	Friday
Palaeoclimate	Interpreting XRF core scanner records of natural and anthropogenic changes in marine and lacustrine archives	Friday
Palaeoclimate	Into the Ice Age: Exploring the distribution and volume of ice sheets during past glaciations	Wednesday
Humans and Biosphere	Lake systems in the Anthropocene	Wednesday
Palaeoclimate	Late Quaternary environmental change in the South Pacific: climate, ecosystem dynamics and human colonisation	Wednesday

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Humans and Biosphere	Life on the edge: Landscapes and foodscapes in prehistoric western Europe	Saturday
Humans and Biosphere	Life on the ledge: Human-environment dynamics in Earth's high mountains and plateaus	Saturday
Coastal and Marine Processes	Linking land and sea - multiple approaches to investigating human-environment interactions in the coastal zone	Friday
Humans and Biosphere	Linking palaeo-environmental signals with social, cultural or economic change – attempts to disentangle causes and effects	Friday
Humans and Biosphere	Losing legacy: Climate change and cultural heritage	Thursday
Humans and Biosphere	Making the Quaternary relevant: Outreach and education	Saturday
Coastal and Marine Processes	Mapping and interpreting sea-level change through time and space	Tuesday
Terrestrial Processes, Deposits and History	Microsedimentology and micromorphology of Glacial Sediments	Thursday
Palaeoclimate	MIS 3 glaciation and the prelude to the LGM	Friday
Stratigraphy and Chronology	Multidisciplinary applications in tephrochronology - from archaeology to volcanology	Friday
Humans and Biosphere	Multi-proxy environmental archaeology: sedimentary remains and biomolecules as alternative to excavations?	Monday
Terrestrial Processes, Deposits and History	Multiproxy studies on continental carbonates: Palaeoclimates and palaeoenvironments	Friday
Humans and Biosphere	New advances in reconstructing biotic interactions in the Quaternary fossil record	Monday
Humans and Biosphere	Old World ceramic origins and behavioural contexts from the Late Pleistocene to Early Holocene	Tuesday
Palaeoclimate	Orbital and millennial scale climate changes in ice, ocean and land: observations and model simulations	Saturday
Palaeoclimate	Palaeoclimate records and atmospheric circulation patterns	Friday
Palaeoclimate	Palaeoclimatic and oceanic evolution in the North Atlantic region since the Last Glacial Maximum – linking ice sheet, terrestrial and marine records	Saturday
Terrestrial Processes, Deposits and History	Palaeohydrology and fluvial archives - hydrological extreme and critical events (HEX)	Monday, Tuesday

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Palaeoclimate	Palaeo-ice sheet model-data interactions	Monday
Terrestrial Processes, Deposits and History	Palaeo-Ice streams: Forms, processes and palaeoglaciology	Tuesday
Terrestrial Processes, Deposits and History	Paraglacial environments and processes in the Quaternary and Holocene: What happens and when?	Tuesday
Terrestrial Processes, Deposits and History	Peatland dynamics through time and their use as environmental archives	Saturday
Humans and Biosphere	Pleistocene hunter gatherers in extreme environments	Wednesday
Humans and Biosphere	Plio-Pleistocene environmental change and human origins	Tuesday
Stratigraphy and Chronology	Ponto-Caspian stratigraphy and geochronology: Understanding Caspian - Black Sea - Mediterranean Corridor evolution in the Quaternary	Monday
Terrestrial Processes, Deposits and History	Proglacial lakes in the Quaternary	Wednesday
Humans and Biosphere	Quantitative reconstruction of landscape-scale Holocene vegetation mosaics to address ecological and archaeological questions	Tuesday
Palaeoclimate	Quaternary climate dynamics peculiar to the Mediterranean region	Monday
Stratigraphy and Chronology	Quaternary data without frontiers: the International Quaternary Map of Europe 1 : 2.5 million	Saturday
Coastal and Marine Processes	Quaternary evolution and depositional environments of the North Sea Basin	Thursday
Terrestrial Processes, Deposits and History	Quaternary geoarchaeology of South Asia	Saturday
Palaeoclimate	Quaternary glaciations and palaeoclimate of Patagonia	Tuesday
Terrestrial Processes, Deposits and History	Quaternary glaciations: Processes, sediments and landforms	Friday
Terrestrial Processes, Deposits and History	Quaternary landscape evolution: Model and field perspectives	Friday
Humans and Biosphere	Quaternary polar environmental history: Joint proxies and views from both poles	Monday
Humans and Biosphere	Quaternary science and the Arts, Humanities, and Social Sciences	Friday

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Humans and Biosphere	Quaternary's three Rs, Retrieval, Reuse and Reflection: Optimising pre-existing data to reimagine the past	Friday
Humans and Biosphere	Resilience, stability and abrupt change in long-term ecological records	Saturday
Stratigraphy and Chronology	Role of the IntCal radiocarbon calibration curves in Quaternary science	Monday
Palaeoclimate	Southern Hemisphere Assessment of PalaeoEnvironments (SHAPE)	Tuesday
Palaeoclimate	Stable and clumped isotopes in biogenic carbonates: applications and limitations in palaeoenvironmental studies	Saturday
Palaeoclimate	Stable isotopes in palaeoenvironmental reconstructions: understanding climate change and nutrient cycling	Wednesday
Terrestrial Processes, Deposits and History	Strontium isotope applications in Quaternary paleoecological and archaeological research	Thursday
Palaeoclimate	Sub-annual to decadal records of environmental change	Thursday
Humans and Biosphere	Sub-decadal to centennial analysis of past ecosystem change	Saturday
Coastal and Marine Processes	Subduction zone palaeoseismology	Monday
Terrestrial Processes, Deposits and History	Subglacial processes and environments: Morphology, sedimentology and modeling to inform glaciation extent, style and dynamics	Saturday
Stratigraphy and Chronology	Tephra on the edge: Advances in distal tephrochronology – methodologies, frameworks and databases	Monday
Humans and Biosphere	The application of Quaternary science to societal issues in the 21st Century	Monday
Palaeoclimate	The Big MIS4: Records of worldwide Marine Isotope Stage 4 glacial, climatic, and environmental changes	Saturday
Humans and Biosphere	The changing tropical landscape	Monday
Stratigraphy and Chronology	The European Loess Belt - a high-resolution archive of rapid environmental change	Friday
Stratigraphy and Chronology	The future of Quaternary geochronology	Tuesday
Palaeoclimate	The last glaciation of the Southern Hemisphere	Monday

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Palaeoclimate	The Last Interglacial and interglacial comparisons: local records and global signals	Tuesday
Humans and Biosphere	The Levantine Corridor: Before humans, during human dispersal and settlement and the future	Tuesday
Humans and Biosphere	The origins and history of Quaternary science	Friday
Palaeoclimate	The palaeoceanographic signal: Assessing spatiotemporal precision and accuracy in climate reconstructions and geochronology	Saturday
Palaeoclimate	The Plio-Pleistocene transition	Tuesday
Palaeoclimate	The Quaternary of Africa	Tuesday
Stratigraphy and Chronology	The Quaternary of Europe: Stratigraphical perspectives and tools for correlations	Wednesday
Coastal and Marine Processes	The sedimentary record of tsunami and storms	Monday
Stratigraphy and Chronology	Towards sub-decadal precision in reconstructing climatic and environmental change from high resolution lacustrine archives	Monday
Palaeoclimate	Tree-ring archives	Tuesday
Humans and Biosphere	Unanswered questions on the Initial Upper Paleolithic and the first modern human dispersal across Eurasia	Thursday
Palaeoclimate	Understanding Quaternary proxy records of teleconnections between mid-latitudes, polar and tropical regions	Thursday
Humans and Biosphere	Upscaling palaeoecological, archaeological and historical records of land-use and land-cover change	Wednesday
Coastal and Marine Processes	Using the "multi-proxy approach" to detect landscape and environmental changes	Tuesday
Humans and Biosphere	Valuing the Quaternary: Nature conservation and geoheritage	Friday
Palaeoclimate	Vegetation responses and human adaptations to environmental changes in the Holocene of West Africa	Wednesday