

Second Circular **XXII INQUA CONGRESS 2027**



 28 January - 3 February 2027

 Lucknow, India



THEME

Quaternary Science as Societal Services





Pangong Tso, Ladakh

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Foreword



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President, INQUA



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Dear colleagues and friends,

It is a great pleasure to address the international Quaternary science community through this Second Circular of the XXII INQUA Congress, to be held in India in 2027.

The INQUA Congress is much more than a scientific meeting. Every four years, it brings together researchers from across the world to share knowledge, present new discoveries, discuss methods and interpretations, and strengthen the collaborations that sustain our discipline. The forthcoming Congress in India will continue this long tradition, while also offering a timely opportunity to reflect on the growing relevance of Quaternary science in a rapidly changing world.

The response to the Congress has been remarkable. The very large number of submitted and accepted abstracts, the wide international participation, and the breadth of the proposed sessions clearly demonstrate the vitality of our community. They also show how Quaternary research continues to expand across disciplinary boundaries, connecting palaeoclimate, palaeoecology, geomorphology, geochronology, archaeology, human evolution, biodiversity, natural hazards, and many other fields. This diversity is one of INQUA's greatest strengths.

On behalf of INQUA, I would like to express my sincere appreciation to the Local Organizing Committee, the Scientific Committee, the session conveners, and all those who have contributed to building such a rich and ambitious programme. Preparing an INQUA Congress is a major undertaking, and the dedication, expertise, and enthusiasm of the Indian organizers are already evident in the quality and scope of the programme.

India provides an exceptional setting for the XXII INQUA Congress. Its landscapes, archives, and cultural history offer extraordinary opportunities to explore key questions concerning monsoon dynamics, tectonics, glacial and fluvial systems, coastal change, biodiversity, and long-term human-environment interactions. The planned field excursions will be an essential part of the Congress experience, allowing participants to engage directly with some of the most significant Quaternary records and environments of the region.

I would also like to acknowledge with gratitude the support provided by the Department of Science and Technology and the Ministry of Earth Sciences, Government of India. Such support reflects the importance of Quaternary science not only as a field of academic research, but also as a source of knowledge relevant to climate change, environmental sustainability, natural hazards, and the future of societies.

Inclusiveness remains a central value for INQUA. The Congress should be a place where researchers from all regions, career stages, and scientific backgrounds can participate, exchange ideas, and contribute to the future of our community. Particular attention to Early Career Researchers and to colleagues from underrepresented regions is essential for ensuring that INQUA remains truly international, open, and forward-looking.

I warmly encourage all members of the Quaternary science community to take part in the XXII INQUA Congress. I am confident that the meeting will be a stimulating, memorable, and scientifically outstanding occasion. It will provide an important forum for presenting new results, discussing emerging challenges, and strengthening the global networks that are so important for our science.

I look forward to meeting you in India in 2027 and to sharing together an inspiring Congress devoted to the study of Earth's recent past and its significance for our common future.

Prof. Laura Sadori

INQUA president

Foreword



XXII INQUA Congress 2027

Quaternary Science As Societal Services

28 January - 3 February 2027, Lucknow, India

Dear Colleagues,

It is with immense pleasure and great enthusiasm that we present the Second Circular of the XXII INQUA Congress 2027, to be held in India. As we move steadily toward this landmark gathering of the global Quaternary science community, we are delighted by the overwhelming response received from researchers, students, professionals, and institutions across the world.

On behalf of the Organizing Committee, we extend our sincere gratitude to all contributors who have helped shape the scientific program of the Congress. The response from the international community has been truly extraordinary. We are pleased to report that the Congress has received **2,878 abstracts from 101 countries**, reflecting the diversity, vitality, and global relevance of Quaternary research today. Equally encouraging is the enthusiastic participation of the scientific community in developing the program, resulting in **176 accepted technical sessions** that span the full breadth of Quaternary science, under the **7 scientific themes**.

A major highlight of the Congress will be the participation of six distinguished plenary speakers, carefully selected to represent the breadth, excellence, and contemporary relevance of Quaternary science. Their presentations will address some of the most significant scientific questions facing our community and provide inspiring perspectives on emerging research frontiers. The scientific richness of the Congress is complemented by an ambitious and exciting field program. We are currently curating **24 field excursions** that will provide delegates with unique opportunities to experience first-hand some of the most remarkable Quaternary archives and landscapes of India. We also have **13 mid conference field trips** and **22 workshops for the mid conference break**. We hope the experiences will inspire new ideas, strengthen international partnerships, and contribute to the development of future collaborative initiatives within the global Quaternary community.

We are deeply grateful to the Department of Science and Technology (DST), Government of India, and the Ministry of Earth Sciences (MoES), Government of India, for their unwavering commitment and generous financial support. Their strong backing reflects India's recognition of the importance of Quaternary science in addressing some of the most pressing challenges facing society, including climate change, natural hazards, environmental sustainability, and human adaptation. With their support, and with the dedication of numerous institutions and volunteers, we are fully prepared and excited to welcome the global Quaternary community to India in 2027.

At the same time, we remain committed to making the Congress as inclusive and accessible as possible. We are actively seeking additional support through sponsorships, exhibitions, partnerships, and fundraising initiatives to expand participation, particularly for Early Career Researchers (ECRs) and colleagues from the Global South. These efforts aim to strengthen international scientific engagement and ensure broader representation across the global Quaternary community.

The INQUA Congress has always served as a unique platform for scientific exchange, innovation, and collaboration. As we approach the 2027 Congress, we are encouraged by the remarkable level of engagement already demonstrated by the global community. We are confident that the Congress will provide an outstanding forum for sharing new discoveries, debating emerging ideas, developing partnerships, and charting future directions for Quaternary research.

We look forward to welcoming you to India in 2027 for what promises to be a memorable and scientifically rewarding Congress. Together, let us celebrate the achievements of Quaternary science, strengthen our international networks, and build new pathways for understanding Earth's recent past and its relevance to our shared future.

President

Dr. Pradeep Srivastava
IIT Roorkee

Vice-President

Dr. Rahul Mohan
NCPOR, Goa

Local Organizing Chair

Prof. Mahesh G. Thakkar
Director, BSIP, Lucknow

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Committees

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President: Pradeep Srivastava

Vice President: Rahul Mohan

Secretary General: Binita Phartiyal

Local Organising Chair: Mahesh G Thakkar

National Coordination Committee: Shailesh Nayak, Chair; Binita Phartiyal, Member Secretary

Science Program Committee: Ashok Kumar Singhvi, Chair; Santosh K. Shah, Convener

Field Trips Committee: Malay Mukul, Chair; Anupam Sharma, Convener

Social Outreach and Media Committee: Rahul Mohan, Chair, Prabhin Sukumaran, Convener

INQUA Executive Council

President: Laura Sadori

Past President: Thijs Van Kolschoten

Secretary General: Enikő Magyari

Treasurer: Freek S. Busschers

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INQUA Secretary: Aritina Haliuc

President, CMP Commission: Alessio Rovere

President, HABCOM Commission: Peter Langdon

President, PALCOM Commission: Ignacio A. Jara

President, SACCOM Commission: Lewis Owen

President, TERPRO Commission: Andrea Zerboni

ECR Chair: Opeyemi Adewumi

Local Working Committee at BSIP, Lucknow

Mahesh G Thakkar, Chair

Anupam Sharma, Convener

Registrar, BSIP

Biswajeet Thakur

Pawan Govil

Santosh K. Shah

Swati Tripathi

Prasanna K

Pauline Sabina

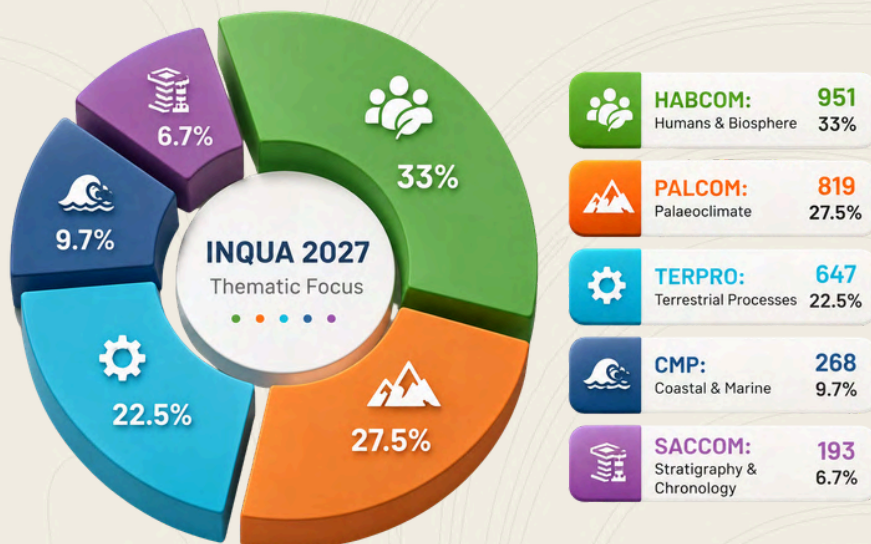
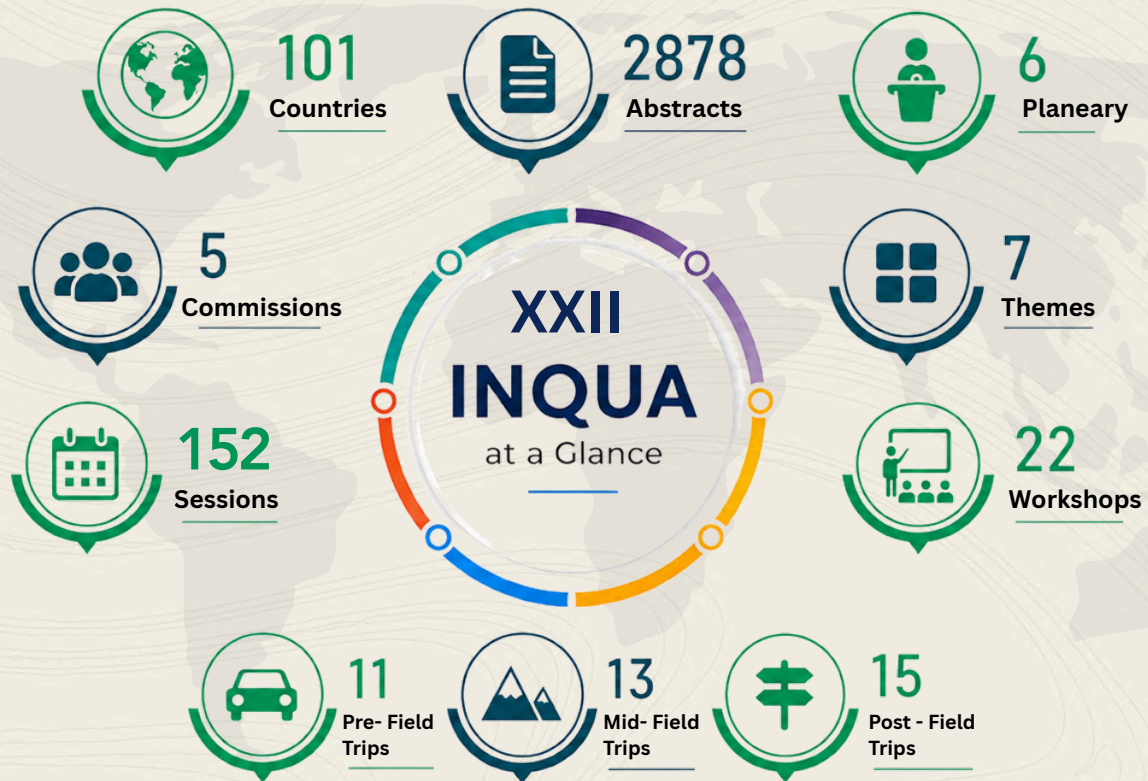
Anjali Trivedi

Niraj Rai

Akhilesh Yadava



Overview at a Glance



Panel Discussion Themes

Over the past few years, culminating in the INQUA meeting in Zaragoza in April 2025, it was suggested that INQUA might undergo restructuring in the coming years, particularly regarding the continuation of the Commissions. Through discussions, it became clear that INQUA needs to reposition itself and possibly reinvent itself to confront the major crises and challenges of our times. Discussions converged on suggesting that INQUA could focus on common themes that go beyond the commissions and address current and future needs. The major themes that will be discussed are:

Theme 1: Quaternary for sustainability, resilience, and policy change

Theme 2: Public engagement and outreach of Quaternary science

Theme 3: Positioning future generations of Quaternary scientists and the Global South

Plenary Speakers



Thijs van Kolfschoten

Biography

Thijs van Kolfschoten (1952) is emeritus professor in mammalian palaeo- and archaeozoology and Quaternary biostratigraphy. He studied Geology and Biology and obtained his Ph.D. in Palaeontology at the Institute of Earth Sciences, University of Utrecht (The Netherlands). After a research position at the Institute of Palaeontology, University of Bonn (Germany), he moved 1992 to the Faculty of Archaeology, Leiden University, where he retired in August 2018. Since October 2018, he has been, in addition, a Guest Professor at Shandong University in China. His main fields of interest are Quaternary mammals, biostratigraphy, palaeoecology, and taphonomy. His palaeontological research focuses on continental deposits from the Early Pleistocene until the early

Holocene, studying the Quaternary faunal history and hominin subsistence and behavior in Europe and Asia. The results of these and previous research projects have been published in more than 300 scientific papers. Professor Kolfschoten was President of INQUA (International Union for Quaternary Science) (2019–2023) and is currently a member of the INQUA Executive as Past President. In addition, he was the Editor-in-Chief of Quaternary International (QI), the Journal of the International Union for Quaternary Research (2018 – 2021) and founding editor of the recently (2023) launched INQUA/Elsevier journal Quaternary Environments and Humans (QEH).

Abstract

INQUA's history and future

The early 20th century was marked by major discoveries and unprecedented scientific advances, and scientists from different disciplines fostered international co-operation, leading to the founding of several scientific unions. The International Union for Quaternary Research (INQUA) was nominally founded in 1928 at the Congress organised to celebrate the founding (1888) of the Danish Geological Institute. The Polish delegation proposed establishing the Association for Investigations of the Quaternary of Europe, and since many discussions and excursions at the Copenhagen Congress concerned Quaternary matters, it was decided that the Congress should be regarded as the first in a series of major international meetings of the new Quaternary Association. At the seventh Congress in 1965 (Denver and Boulder, Colorado, USA), INQUA's name was changed to International Union for Quaternary Research.

The mission of the newly established union, INQUA, has been and still is to foster international and interdisciplinary collaboration in every aspect of Quaternary Science and to enhance communication and co-operation through networking. One of its principal purposes was to organise periodic congresses, the 22nd of which is the 2027 INQUA Congress in Lucknow (India).

Quaternary research focuses on understanding the observed changes in climate and palaeoenvironmental evolution over the past 2.5 million years, a topic of growing relevance to modern societies facing ongoing climatic change. Field observations in the early 20th century demonstrated that four major glacial-interglacial cycles could be recognised, but later investigations of deep-sea sediment cores and China's long loess sequences, together with the development of accurate dating techniques, revealed a considerably more complex scenario that warranted co-operative, multidisciplinary research. Although Quaternary research has evolved dramatically since the foundation of INQUA, shifting from more field-oriented to laboratory-based work, INQUA's role has remained the same: to serve the global Quaternary research community and provide society with accurate information. This research has primarily focused on events in the Northern Hemisphere; however, to ensure its long-term viability, INQUA should increase participation by researchers from Africa, South America, and the Middle East, as well as Quaternary oceanographers, in INQUA programmes.



R. J. Wasson

Biography

Professor Robert (Bob) Wasson is a geomorphologist and Quaternarist with a PhD from Macquarie University, and postdoctoral fellowships at the University of Auckland and the Australian National University (ANU). He has held senior positions in Australia's CSIRO, becoming the head of the Canberra Laboratory of the Division of Water Resources. At the ANU he was head of the Geography Department, Director of the Centre for Environmental and Resource Studies, and Dean of Science. At Charles Darwin University he was Deputy Vice Chancellor Research and International. He was a senior academic at the National University of Singapore in the Geography Department, Asia Research Institute, and Lee Kuan Yew School of Public Policy. He has focused on

palaeoenvironmental change in desert dunefields in Australia and India, and fluvial systems including palaeoflood hydrology and flood mitigation. He has a record of influencing decision making, the use of cross-disciplinary methods, most recently in for mine site rehabilitation in Australia, and flood mitigation in India and Thailand. He has done research in Australia, New Zealand, Singapore, Indonesia, India, Timor-Leste, Malaysia, Nepal, Pakistan, China, and Myanmar. He is Emeritus Professor at ANU, and Adjunct Professor at James Cook University and Universiti Kebangsaan Malaysia.

Abstract

Quaternary Research and Public Policy

The key take-home messages from this talk are: if you want your research to influence policy, understand the policy process and engage with relevant policy makers to assess how best to have influence; and this is not an enterprise to engage with lightly, requiring time, resilience, and patience.

A dual taxonomy of problems requiring research input is adopted, as follows:

Tame problems are the easiest with which to engage. The problem is well understood, has been identified by policy makers, there is little disagreement among stakeholders, and scientific evidence can be marshalled to help solve the problem. It is a linear process which will involve few areas of science or policy.

Wicked problems, the most common, are characterized by uncertainty about the nature of the problem, there is a highly partisan community and scientific debate, there are winners and losers and no clear equitable solution, and political support waxes and wanes. Such problems require engagement with multiple policy areas and academic disciplines, a challenge for most scientists whose incentives are much narrower. And the path to influence is far from linear.

Depending upon the context, and relevance, the following issues may need to be taken into account: the problem needs to be urgent, the language used in communication by scientists is calibrated by negotiation with policy makers, uncertainties are made clear, credible policy options are kept to a minimum, research collaborators are identified including those from policy-making institutions, acknowledge that a coalition for advocacy separate from the policy makers has been constructed, identify the main approach of the scientist (e.g. honest broker).

Examples will be provided for each of the two main problem types from palaeohydrology, palaeoclimatology, river catchment management, and landscape denudation.



Malay Mukul

Biography

Malay Mukul is a Professor in the Department of Earth Sciences at the Indian Institute of Technology Bombay, who obtained his PhD from the University of Rochester, NY, USA, for his work on the Cordilleran fold-thrust belt in North America. He has been working in the Himalaya for the last 25 years. His work in the Himalaya spans multiple space and time scales and integrates the disciplines of structural geology, tectonic geomorphology, neotectonics, and active tectonics, using digital topography, numerical modelling and GPS Geodesy. He has recently started applying insights from these studies to better understand Himalayan natural hazards from a process-oriented perspective.

Mukul's research group has worked on the Quaternary neotectonics associated with the Main Frontal thrust, the Main Boundary thrust, and the Munsiri thrust in the Himalaya, which was published in journals such as *Geology*, *Geomorphology*, *Quaternary International*, *Tectonophysics*, and *Journal of Structural Geology*. He has also been a peer reviewer for 27 journals, including all those listed above. He currently serves as a Subject Editor for manuscripts in seismotectonics, active tectonics, neotectonics, and Himalayan natural hazards in *Earth System Sciences: Tectonics and Lithospheric Deformation Studies for Current Science*, Indian Academy of Sciences, Bangalore.

Abstract

Quaternary climate-tectonics interaction in the Himalaya: Implications for natural hazards

The Himalaya is a wedge-shaped, continent-continent collision orogen that has been active for the past ~55 Ma. Climate-tectonics interaction imparts a temporal cyclicity to the Himalayan wedge, with periods when erosion dominates and others when tectonics does. Dominance of climate-induced erosion is expressed as secular and focused erosion in the wedge, leading to a reduction in topography throughout the wedge or in certain regions within the wedge, respectively. Both drive out-of-sequence deformation within the Himalayan wedge to compensate for mass balance. Dominance of tectonics results in topographic growth and the lengthening of the Himalayan wedge into its foreland through in-sequence deformation within the wedge. This cyclicity has continued into the Quaternary, as evident from both in-sequence and out-of-sequence neotectonic deformation signatures in the Himalayan Quaternary section. Climate-neotectonics interaction in the Quaternary is also coupled with Himalayan natural hazards. In-sequence deformation results in the deformation of the Quaternary section in the frontal part of the wedge during great earthquakes. Out-of-sequence deformation deforms the Quaternary section potentially anywhere within the wedge. Out-of-sequence deformation also causes major earthquakes and associated uplift that can steepen topographic slopes and induce landslides. These processes have allowed the delineation of an earthquake "nursery" in the central part of the Himalayan wedge that is currently overlain by overfilled glacial lakes caused by climate change-induced glacial melting. A major-to-great earthquake can trigger landslides and Glacial Lake Outburst Floods (GLOFs) simultaneously, thereby painting a grim worst-case natural hazard scenario in the Himalayan orogen. This talk will present a synoptic view of how the climate-tectonics interaction in the Quaternary fits within our overall understanding of the evolution of the Himalayan orogen and the resulting natural hazards.



Michał Słowiński

Biography

Professor Michał Słowiński is a professor of Earth and environmental sciences at the Institute of Geography and Spatial Organization of the Polish Academy of Sciences in Warsaw, where he leads the Department of Past Landscape Dynamics. He served as Deputy Director for Science from 2018 to 2022 and as Director of the Institute from 2022 until March 2026. His research explores how climate variability, human activity, and extreme events shape the structure, functioning, and resilience of aquatic and terrestrial ecosystems. By combining ecological and palaeoecological approaches, he investigates how environmental systems respond to change, with particular attention to time lags, critical thresholds, internal feedbacks, and long-lasting ecological

legacies. He uses palaeoecological records to reconstruct past landscape dynamics, including changes related to fire regimes, land use, and climate variability. His fieldwork has taken him across Europe, Western Siberia, Mongolia, Ecuador, Taiwan, and Canada. His current research focuses on the long-term development and degradation of permafrost-peatland systems, as well as on the enduring effects of human activity on landscapes. Professor Słowiński completed his postdoctoral research at the GFZ German Research Centre for Geosciences in Potsdam, where he was also a DAAD fellow. He has authored or co-authored more than 120 peer-reviewed publications, serves on the editorial boards of several scientific journals, and has led numerous national and international research projects. His scientific achievements have been recognized with several awards, including the Polish Ministry of Education's Award for Outstanding Young Scientists. Outside academia, he is a passionate traveller and nature enthusiast who enjoys discovering new places and meeting people from different cultures. He is also a devoted husband and proud father of two children, whose curiosity continues to inspire him.

Abstract

Fire, land use, and long-term socio-environmental change: lessons from the past for understanding human-shaped landscapes

For most of human history, fire formed the foundation of how societies used land and obtained energy. It enabled the conversion of biomass into energy, forest clearance, vegetation management, and the transformation of landscapes. Throughout the Holocene, wood and charcoal supplied the energy required for households, agriculture, metallurgy, and increasingly complex economies, creating cultural landscapes shaped by changing livelihoods, settlement patterns, and resource management. As populations grew, the spatial and energetic limits of biomass-based systems became increasingly evident, contributing together with technological, institutional, and economic changes to the transition toward fossil-fuel energy systems. This shift supported unprecedented industrialization, urbanization, and economic growth while accelerating environmental change on a global scale.

This plenary lecture combines long-term palaeoecological records with historical sources, archaeological evidence, and spatial analyses to reconstruct past environments and examine interactions among fire, land use, energy systems, and social change over centuries to millennia. Drawing on case studies from diverse environmental and historical settings, I explore forest transformation, industrialization, agricultural expansion and abandonment, energy transitions, and changing fire regimes. Rather than presenting these developments as a single linear trajectory, I emphasize their uneven pace, regional diversity, and dependence on specific ecological, technological, and political contexts.

These long-term processes can only be understood through an interdisciplinary perspective integrating ecology, climate science, archaeology, history, geography, energy studies, and the social sciences. Charcoal records, archival documents, settlement patterns, remains of historical charcoal production, and modern fire observations reveal how past decisions regarding energy use, livelihoods, and economic development created ecological legacies that continue to shape present-day landscapes. I argue that contemporary landscapes are cumulative, path-dependent products of successive land-use practices, energy transitions, and fire regimes. Long-term reconstructions therefore provide not only historical context but also critical insights for understanding current environmental change and developing historically informed approaches to landscape and fire management.



Qiaomei Fu

Biography

Qiaomei Fu, Deputy Director and Senior Researcher at the Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences. By developing innovative key paleogenomic technologies, she has enabled large-scale ancient DNA analyses and obtained the highest-quality Pleistocene proteins worldwide to date. She has led research on the interaction and environmental adaptation of modern and ancient humans in East Asia, achieving groundbreaking progress in the study of East Asian population evolution. By reconstructing the population evolutionary map of East Asia over the past 400,000 years, her innovative research has revealed new insights into human evolution, migration, and adaptation during the

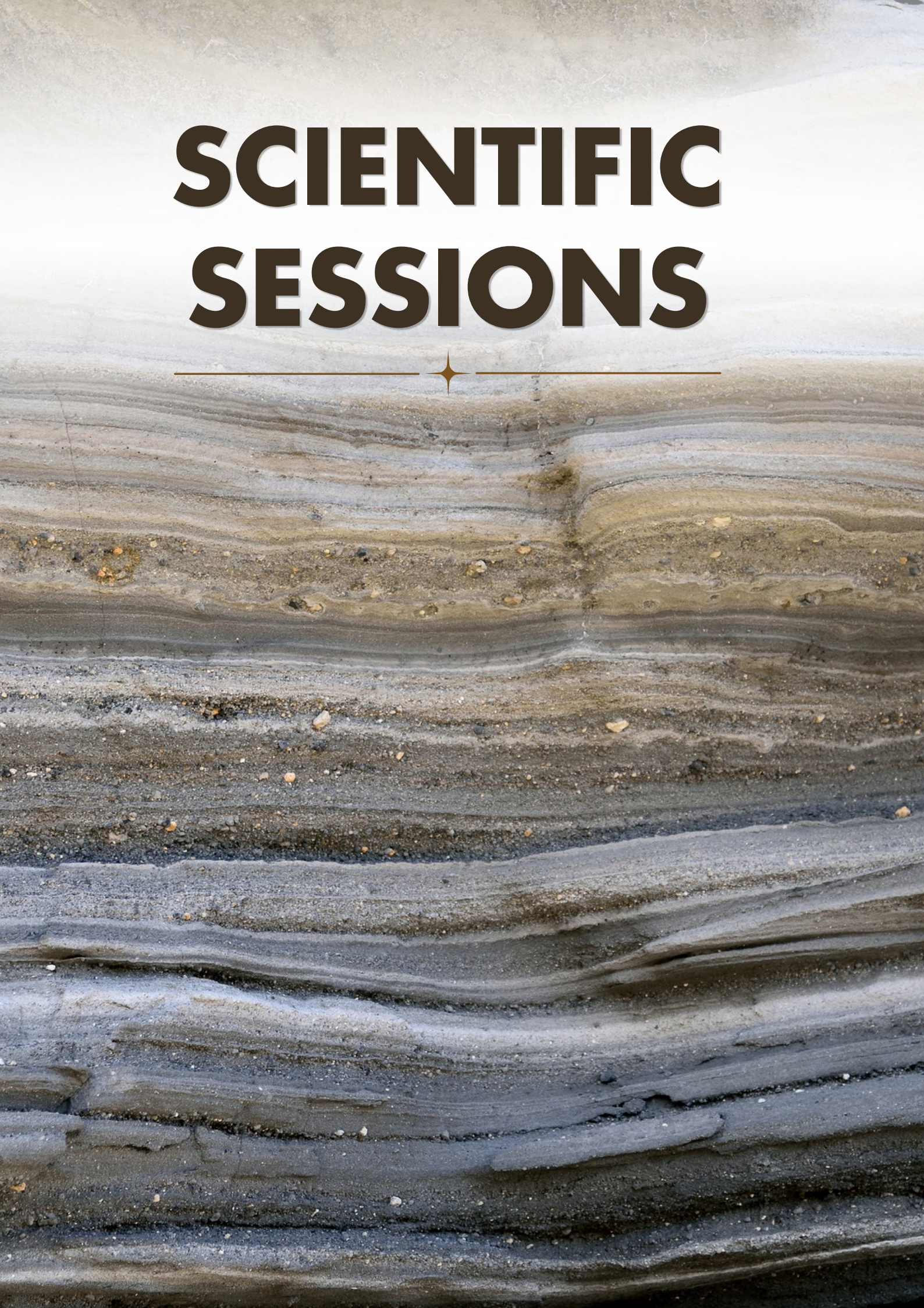
Quaternary period. To date, she has published over 120 academic papers and books (including 18 as first or corresponding author in *Nature*, *Science*, and *Cell*). Her achievements have been recognized in "China's Top 10 Scientific Advances," "Nature's Top 10 Scientific Events," "Cell's Best Paper of the Year," and "2025 Breakthrough of the Year. She has received numerous honors, including the Nicholas Shackleton Medal for Outstanding Young Quaternary Scientists, the XPLOER Prize, the UNESCO-AI Fozan International Prize for the Promotion of Young Scientists in STEM, and "The TWAS-CAS Young Scientists Award".

Abstract

400,000 Years of East Asian Population History through Ancient Molecules

Human origins and evolution are central to the Earth and Life Sciences. Ancient DNA and ancient proteins serve as molecular archives with precise temporal information, enabling direct tracking of genetic diversity, population relationships, and evolutionary changes. A series of in-house technological breakthroughs—including ancient nuclear DNA capture, ancient protein extraction and automated protein identification pipelines, and an acid-etching microsampling method—have greatly expanded the spatiotemporal reach of paleomolecular research. To date, we have generated over 900 nuclear genomes and nine proteomes spanning the past 400,000 years in East Asia, enabling the systematic reconstruction of the region's dynamic population history. In the Paleolithic, proteomic analyses confirmed that Middle Pleistocene East Asian *Homo erectus* belonged to one related population, with genetic contributions possibly entering modern humans via Denisovans; the Harbin cranium was identified as an early Denisovan, providing the clearest information on the appearance of this archaic hominin. Early modern humans include a pre-Last Glacial Maximum lineage that largely disappeared (represented by the Tianyuan and AR33K individuals), while southern East Asia preserved multiple deeply divergent lineages (e.g., Xingyi, Qihe, Central Yunnan ancestry) that later contributed, respectively, to modern Tibetan, Austronesian, and Austroasiatic populations. In the Neolithic, we proposed a dual northern-southern ancestry model: present-day East Asians derive from two lineages — ancient northern and southern East Asians — that diverged over 19,000 years ago and have admixed continuously since the early Neolithic. These populations showed strong genetic continuity over millennia with little external replacement—supporting local origins of rice and millet agriculture. For early civilizations, the Shimao population derived from local late Yangshao residents and interacted with Yumin-related steppe herders and southern rice-farmers; its patrilineal pedigrees and stratified rituals revealed early state organization. Together, these findings redefine East Asian population history and provide an evolutionary framework for understanding the long-term interactions among human populations, culture, and the environment. (Key Words: ancient DNA, ancient proteome, archaic hominin, early modern human, evolutionary dynamics)

SCIENTIFIC SESSIONS



Scientific Sessions

152 Scientific Sessions under **7** Congress Themes



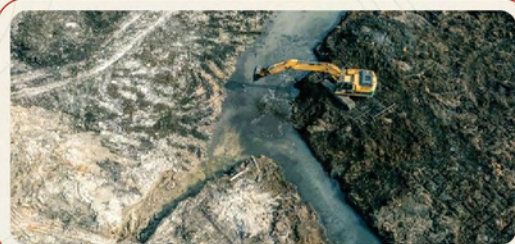
Geohazards



Climate Archives



Sediments, Humans, and Heritage



Anthropocene



Chronology and Techniques



Professional Issues and Outreach



Synthesis-Data and Modelling

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GEOHAZARDS

16 Sessions

Session ID | Session Title | Conveners

S_013 | Seafloor morphology and sedimentary processes driven by seepage during the Quaternary |
Daniele Spatola, Marzia Rovere, Qiliang Sun, Pawan Dewangan

S_030 | Structural and Paleoseismological Perspectives in Seismic Hazard Characterization |
Alessandro Maria Michetti, Young-Seog Kim, Sambit Naik

S_031 | Quaternary Palaeohydrology: Environmental Archives of Past Extreme Floods and Droughts |
Willem Toonen, Ankit Agarwal, Kumar Gaurav, Rachel Lombardi, Thomas Roggenkamp

S_038 | Applied Quaternary Science: avoiding geohazards by understanding sequences | Becky Briant,
Francesca Ferrario, Franz Livio

S_050 | Assessing Himalayan Landscapes: An Evaluation of Terrain and Potential Hazards | Vinit Kumar,
Manish Mehta, Rakesh Bhambri

S_064 | Recent advances in modelling cascading natural hazards: Opportunities and applications |
Suryodoy Ghoshal, Sarah Boulton, Matt Westoby, Qiuyang Chen

S_069 | A Multidisciplinary Approach to Paleoseismology: From Onshore to Offshore Earthquake Records |
Eshaan Srivastava, Katleen Wils, Attilio Sulli, Alina Polonia, Sebastian Kreutzer, Charlotte Pizer,
Francesca Ferrario, Tina Niemi

S_085 | Advances in Intracontinental Earthquake Geology: Insight into Seismic Potential Along the Himalayan
Arc | Priyanka Singh Rao, Pascale Huyghe, Bhaskar Kundu, R. Jayangondaperumal, Mahesh Thakkar, Naresh Kumar

S_095 | Looking at Earthquakes like never before to build upon historical knowledge and modern technological
interventions | Tejpal Singh, Riccardo Caputo, C. P. Rajendran, Claudio De Luca, Krzysztof Gaidzik

S_115 | Flash floods and Landslides: Modelling and Mitigation | Arkaprabha Sarkar, Vimal Singh, Rahul Devrani

S_124 | Historical Earthquakes, Active Tectonics, and Paleoseismology – Multidisciplinary Perspective |
Javed N. Malik, Koji Okumura, Mustapha Meghraoui, Shreya Arora

S_131 | Quaternary Volcanism and Magmatism: Understanding Processes, Products and Prevalent Risk for
Sustainability | Dwijesh Ray, Sarajit Sensarma

S_161 | Late Quaternary Geomorphic Processes, Extreme Climate Events, Natural Hazards and Human
Resilience | Rayees Ahmad Shah, Christian Zeeden, Xiao Fu, Imran Khan

S_191 | Seamounts and submarine volcanic landforms | Francesco Latino Chiocchi, Michela Angiolillo

S_200 | Glacial Lake Outburst Floods (GLOFs) and Associated with Gravel Deposits | Ismail Hossain,
Md. Masidul Haque

S_207 | Cryptotephra Chronicles: Mapping Past and Future Volcanic Threats | Gill Plunkett, Chunqing Sun





CLIMATE ARCHIVES

58 Sessions

Session ID | Session Title | Conveners

S_002 | Advancing the Frontiers of Beringia Research: Interdisciplinary Insights into Ecology, Climate, and Human History | Matthew Wooller, Sambit Ghosh

S_003 | Isotopes, Bones, Genes, and Landscapes: Bridging Geochemistry with Genomics, Niche Model and Indigenous Science in Quaternary Human–Megafauna Dynamics | Clement P. Bataille, Matthew Wooller

S_004 | European Quaternary landscapes and climate evolution: how stratigraphy and correlations can get us into the future changes and challenges | Markus Fiebig, Pierluigi Pieruccini, Adele Bertini, Guzel Danukalova, Eva Mencin Gale

S_007 | Continental carbonates for understanding Quaternary environment and climate changes | Andrea Columbu, Yassine Ait Brahim

S_008 | Climate disruptions and human civilizations: Tracing the imprints of abrupt Holocene events across the globe | Alpa Sridhar, Archana Das

S_011 | Indian Ocean Circulation Over the Quaternary: Patterns, Drivers, and Climate Implications | Arvind Shukla, Partha Sarathi Jena, Deepak Kumar Rai, Arun Deo Singh

S_014 | Insights into Quaternary climate change through aeolian sediments and loess deposits | Christian Zeeden, Frank Lehmkuhl, Janina Nett, Zaniar Amiri, Mathias Vinnepand, Slobodan B. Marković, Zdzisław Jary, Shiling Yang

S_015 | Quaternary Glaciations: Processes, Sediments and Landforms | Lorna Linch, Danni Pearce, Jan Piotrowski, Matteo Spagnolo

S_016 | Quaternary soils: an important tool for paleoclimatic and archaeological reconstructions | Onn Crouvi, Andrea Zerboni, Rosa M. Poch

S_018/141/137 | Loess as a terrestrial palaeoclimate proxy for the Quaternary: methodological and technical developments | Kathryn Fitzsimmons, Gabriela Torre, Charlotte Prud'homme, Brett Lenz, Zdzisław Jary, Amin Ghafarpour, Jessica L. Conroy, Parth R. Chauhan, Aditi Buch

S_025 | Lakes as Quaternary Archives | Torsten Haberzettl, Antje Schwalb

S_028/S_019 | From Rock to Regolith: Integrating Weathering, Erosion, Sediment Transport, and Desert Environmental Change Across Timescales | Sohan Kumar, Stefano Costanzo, Kathleen Nicoll; Andrea Zerboni; Saptarshi Dey

S_032 | Recent advances and challenges in Tree-ring Studies: Climate, Ecology, Natural-Hazards and their linkages to societal perspectives | Jussi GieBinger, Parminder Singh Ranhotra

S_033 | The Quaternary record of large mammals from Eastern and Southern Africa: systematics, palaeobiology and palaeoecology | Marco Cherin, Beatrice Azzarà, Jean-Baptiste Fourvel, Camille Thabard

S_034 | Chronological Reconstructions of Himalayan Glaciers within Late Quaternary timeframe: Methods, Prospects and Limitations | Milap Chand Sharma, Manasi Debnath, Rakesh Saini, Dr. Pankaj Kumar

S_037 | Asian Monsoon Dynamics, Climate Events and Regime Shifts: Insights from Terrestrial Climate Archives | Ludvig Löwemark, Praveen Kumar Mishra, Sushma Prasad, Martina Stebich

S_042 | Innovative approaches to paleoclimate and paleoenvironmental reconstruction in lacustrine systems | Marta Marchegiano, Paula Echeverria Galindo, Carolina Rosca, Ilaria Mazzini, Benjamin Nettersheim

S_044 | Riverine Landforms and Processes: Sediment Erosion, Transportation and Transient Storage in the Mountains | Poonam Chahal, Ari Matmon

S_048 | Impact of climate and tectonics in developing landscapes in the mountainous system q | Anil Kumar, Rahul Devrani, Yogesh Ray

S_051 | Late Quaternary Mountain Glacier Fluctuations from the Local Last Glacial Maximum to the Present: A Focus on the Tibet-Himalaya Region | Vincent Jomelli, Lewis Owen, Olga Solomina, Rakesh Saini, Joanna Charton

S_053 | Reconstructing Quaternary ice sheets | Helen E. Dulfer, Benjamin M. Boyes, April S. Dalton, Bethan J. Davies, Esteban Andres Sagredo Tapia, Shashank Nitundil

S_054 | Unravelling timing and spatial distribution of geomorphic processes from the Quaternary sedimentary record | Ettore Valente, Ciro Cerrone, Francesco Pavano

S_055 | Applications of Diatoms in Quaternary Science: Reconstructing Past Landscapes, Climate, Water Systems and Human Settlements | Karthick Balasubramanian, Mital Thacker, Priyanka Joshi, Nagaraj Subramani

S_071 | Southern Ocean Circulation and Antarctic Ice Sheet Dynamics during the Quaternary: Climate Interactions, Feedbacks, and Global Implications | Manoj M. C, Frank Lamy, Minoru Ikehara

S_072 | Pyroscapes through time – ecological and cultural dimensions of long-term fire regimes | P. Ramya Bala, Haidee Cadd, Michela Mariani, Graciela Gil Romera, Simon Haberle, Rayees Malik, Raman Sukumar, Suresh HS, Yusuke Yokoyama, Kubota Kaoru, Sunil Kumar Shukla

S_077 | Common Era (~2k) hydroclimate: Advancing local and global scale understanding from proxy reconstructions | Anupam Samanta, Alyssa Atwood, Quentin Dalaiden, Georgy Falster, Ben Henley, Matt Jones, Lukas Jonkers, Nikita Kaushal, Nick McKay, Mariano Morales, Santosh K. Shah

S_078 | Middle Holocene deltas, Neolithic deltas | Kim M. Cohen, Alfred Vespremeanu Stroe, Wang Zhanghua

S_079 | Integrating long-term proxies to understand vegetation, climate, and land-use dynamics | Laurent Marquer, Andrea Seim

S_080 | Wildfire Through Time: Integrating Paleofire Records, Climate Models, and Ecosystem Dynamics | Natasha Sekhon, Emilie Beaudon, Micheline Campbell, Nicolò Ardenghi, Elena Argiriadis, Sumit Sagwal

S_089 | Dendroclimatology in Broadleaf: advances in tropical and subtropical regions | Trina Bose, Mayank Shekhar, Akhilesh K. Yadava

S_091 | Oceanic Tunnels and Atmospheric Bridges Connecting Polar Climate with Monsoons - Past, Present and Future | Manish Tiwari, Vikash Kumar, Avinash Kumar, Seong-joong Kim, Stephen Steinke, Raja Ganeshram

S_094 | SedaDNA-based reconstruction of paleoecosystems | Peter D. Heintzman, Scarlett Zetter

S_098/166 | Sedimentary Ancient DNA and Paleogenomics: Tracing Ecosystem Change and Climate Dynamics Through Time | Mikkel Winther Pedersen, Aditi Buch, Heike Zimmermann, Avinash Sharma, Kruti Mistry, Prabhin Sukumaran

S_102 | Limnogeological Records of the Quaternary: Archives of Environmental and Climate Change | Mohd Danish, Shah Parth, Ambili Anoop, Yadav Ankit, Rakesh Kumar Rout, Nicolas Waldmann

S_104 | Rivers as Archive of Sediments and Long-term Quaternary Landforms and Environment Change | Shyam Kanhaiya, Atul Kumar Singh

S_105 | Lacustrine sediments as archives of climate changes | Fagel Nathalie, Vartika Singh, Shravi Agarwal

S_106 | Quaternary Micromorphology: traditional, novel and unconventional ways to reconstruct micro-histories of natural and anthropogenic changes | Guido Stefano Mariani, Greta Brancaleoni, Susanna Cereda, Stefano Costanzo, Vito Hernandez

S_107 | Interplay of various forcings and their spatiotemporal impacts on the Indian Summer Monsoon | Som Dutt, Chhavi P. Pandey, Ponnusamy Saravanan

S_108 | From Bedrock to Biosphere: Deciphering Critical Zone Dynamics | Vimal Singh, Arkaprabha Sarkar

S_110 | Quantifying Landscapes: Morphometric Approaches in Quaternary Research | Rahul Devrani, Vimal Singh, Parv Singh

S_116/188 | Paleolimnology and Paleoclimate: Recent Advances in Proxy Development | Cellino Lorenzo, Marchand Lisa, Siqi Zhao, Franz Philip Kerschhofer

S_118 | Impact of sea-level change on climate during past warm and cold periods | Zhongshi Zhang, Qiuzhen Yin, Anne de Vernal, Gilles Ramstein

S_121 | Late Pleistocene-Holocene Sea-Level Markers as Predictive Tools for Future Climate-Induced Coastal Change | Myriam Stelletti, Giulia Cossu, Mario De Luca

S_133 | Integrating Micromorphology and Multi-Proxy Approaches to Reconstruct Quaternary Environments and Cultural Dynamics | Opeyemi Adewumi, Maurizio Zambaldi, Irini Sifogeorgaki, Neetu Agarwal, Mital Thacker

S_135 | Sea-Level Dynamics During MIS 3: Global Perspectives, Regional Records, and Driving Mechanisms | Linto Alappat, Christopher Hein, Jessica Pilarczyk, Shaima MM

S_136 | Lake sediment archives as tracers of human impact and environmental change | Benjamin Gwinneth, Deepak Jha, Nathalie Dubois

S_140/198 | Interdisciplinary tree-ring research for spatio-temporal climate reconstruction | Santosh K. Shah, Krishna G. Misra, Narayan P. Gaire; Nivedita Mehrotra; Kelly Pena; Jayendra Singh

S_151 / 152 | Advances in Carbonate Geochemistry, Clumped and Triple Oxygen Isotopes for Quaternary Paleoclimate and Paleoenvironmental Reconstructions | Prasanna K, I V Satya Chanakya, Prosenjit Ghosh; Amzad Laskar; Sudhira R. Bhadra; Sambuddha Misra; Marta Marchegiano; Chloe Snowling

S_156 | Cave Archives and Climate Clues: Decoding Past Environments through Biotic and Abiotic Proxies | Sadhan Kumar Basumatary, Swati Tripathi, Biswajeet Thakur

S_163 | Lakes as Time's Barcode - Decoding Paleoclimate, Biodiversity and Human Impact | Natalia Rudaya, Xiaozhong Huang

S_168/173 | From Mountains to Poles: understanding earth system responses to climate-tectonics processes and understanding analogues for a warmer Polar region | Mark F.A. Furze and Aditi Bajpai, Gurumurthy GP; Anupam Sharma; Anders Schomacker; Wesley R. Farnsworth; Dr. Astrid Lyså

S_172 | Insights into the applications of Microfossils in palaeoceanography | Pawan Govil; Yusuke Yokoyama; Kubota Kaoru; Sunil Kumar Shukla

S_175 | Permafrost and Rock Glacier Assessment in the Hindu Kush Himalaya: Advancing Techniques and Knowledge | Sheikh Nawaz Ali, Milap Chand Sharma, Pratima Pandey, Anshuman Bhardwaj, Lydia Sam

S_184 | Unravelling ocean redox conditions and their climate linkage via isotopic and geochemical proxies | Mahboob Alam, Gurumurthy GP, Yoshiki Sohrin, Tripti Muguli, Faizan Ahmed Khan

S_187 | Putting the Paleoceanographic Records from the Northern Indian Ocean into the Framework of Global Climate System | Xuan Ding, Franck Bassinot, Kaustubh Thirumalai, Liping Zhou

S_189/130 | Arctic Climate Change: From past histories to future trajectories (ARCPac Network | Anna J. Pieńkowski, Anna Hughes, Wesley R. Farnsworth, Joseph Licciardi, Christof Pearce, Jochen Knies, Caroline Brand, Julie Lattaud, Karen Gariboldi, Kristaps Lamsters, Paulina Romel, Tiina Eskola, Walter Geibert, Georgia Melodie Hole, Helle Astrid Kjær, Erin McClymont

S_190 | Understanding the climate change and human impact in the Anthropocene | Bulbul Mehta, Anoop Ambili, Sunil Singh, Banasthali Vidyapith

S_201 | Insights on the drivers, magnitude, and rate of past ice sheet and sea-level change | Juliet Sefton, Roger Creel, Holly Han, Tamara Pico, Matteo Vacchi, Nicole Khan, Udit Mukherjee



SEDIMENTS, HUMANS AND HERITAGE

29 Sessions

Session ID | Session Title | Conveners

S_012 | Microlithic Technologies and Rock Art Traditions in South Asia: Cultural Trajectories and Environmental Adaptation during the Quaternary | Md. Zakir Khan, Sheila Mishra, Pradeep Kumar Behera, Hemant Kumar Vaishnav, Shimon Prakash

S_020 | Recent advancements and challenges in interpreting human–environment interactions within Quaternary lateritic contexts | Akiyala Imchen, Mihir Tanksale, Prabakar Paul, Rhutvij Apte

S_021 | Human–environment interactions and socio–ecological trajectories during the Quaternary from the Mediterranean basin to Central Asia | Luca Forti, Ella Egberts, Mathias Bellat, Greta Brancaloni

S_035 | Archaeological Heritage, Sustainability, and Natural Hazards – Challenges and Innovations for the Future | Alexandra Figueiredo, Cláudio Monteiro, Luana Campos

S_036 | Human landforms and landesque capital features: geoarchaeological records of land use changes and sustainability since Prehistory | Andrea Zerboni, Filippo Brandolini, Aayush Srivastava, Timothy Beach

S_049/060 | Landscapes, Climate, and Society: Interdisciplinary Perspectives on Holocene Environmental Change | Shalini Sharma, Alessia Masi, Anil K. Pokharia, Ryoma Hayashi, Satish Shivaji Naik, Katerina Kouli

S_057 | Late Pleistocene and Holocene climate change and Geoarchaeology of the Arabian Peninsula | Frans van Buchem, Nick Drake, Michael Petraglia

S_065 | Sacred Landscapes and Living Heritage: Evolving Ideas in Cultural and Geoheritage Preservation | Subodha Mendaly, Pankaj Singh, Sakir Hussain, Amita Gupta

S_073 | Reconstructing Submerged Landscapes: A Shared Research Frontier in Marine Geology, Prehistoric Archaeology, and many other Quaternary Sciences | Alar Rosentau, Jyoti Srivastava, Francesco Latino Chiochi

S_076 | Climate Extremes and Human Resilience Through the Quaternary: Environmental Shifts, Cultural Adaptations, and Lessons for a Changing World | Anjali Trivedi, Rathnasiri Premathilake, Sujit Nayan

S_084/145 | PalaeoHome and Beyond: Global Perspectives on the Lower Palaeolithic | Kumar Akhilesh, Shanti Pappu, Prachi Joshi, Yanni Gunnell, Anupama Krishnamurthy, Doris Barboni, Vandana Prasad, Mohamed Sahnouni, Sileshi Semaw, Razika Chelli Cheheb

S_101 | Domestication and Pastoralism in Inner Asia: Archaeological Perspectives on Social and Biotic Change | Natalia Égüez, William Taylor, Tuvshinjargal Tumurbaatar, Morgan Windle

S_112 | Geoarchaeology and Cultural Heritage in the Himalayan Borderlands: Human– Environment Interactions Across Time | Ekta Singh, Nagendra S. Rawat, Medha Bhatt

S_122 | On the Way to the Fluvial Anthroposphere – Interdisciplinary perspectives of an emerging field | Christoph Zielhofer, Monica Bini, Paolo Mozzi, Kathryn Fitzsimmons

S_125 | Stones of Death: Megalithic Burials, Settlement Patterns and Environmental Adaptation | Vinay Kumar, Virag Sontakke, Kasun S. Jayasuriya

S_129/176 | Human Behavioural Modernity in the Quaternary: Biological Roots and Cultural Expressions | Gyaneshwer Chaubey, Manish Kumar Rai, Sachin Kumar Tiwary, Pratik Pandey, Shailesh Dudhabhai Desai, Vijay Nath Mishra, Jose Tom Rapheal, Satyam Bharti

S_148 | Taphonomy and Neo-taphonomy in Prehistoric Contexts: Bridging Fossil Records with Actualistic Models | Anubhav Preet Kaur, Ningnung Jakoinao

S_158/206 | Scientific Studies in Rock Art as a Nexus of Mind and Environment: Interdisciplinary Insights into Human Cognition and Quaternary Ecology in Asia | Shubham Rajak, Neelam Singh, Parth R. Chauhan, Rhutvij Apte, Rajesh Anand Poojari, Nupur Tiwari, Prity Rawat, Tanusree Pandit, Sachin Kumar Tiwary

S_165 | Exploring the Geo-heritage, Geo-archaeological and Cultural Marvels in Middle Ganga Plain (Ganga, Varanasi, Mirzapur and Sarnath) | Vinay Kumar, Anil K. Pokharia, Biswajeet Thakur Vinay Kumar, Anil K. Pokharia, Biswajeet Thakur

S_171 | Pleistocene Environmental Dynamics and Hominin Dispersals Across Africa, Europe and Asia: Cultural and Technological Responses | Hemant Kumar Vaishnav, Deepak Kumar Jha, Janardhana B., Makarius Itambu, Hermine Xhaufleur, Michael D. Petraglia

S_177 | Human Adaptation during the Late Pleistocene and Early Holocene in India: A Micro-Regional Approach | Tosabanta Pradhan, Subodha Mendaly, Yogambar Singh Farswan, Khirasindhu Barik

S_179 | Late Quaternary Hunter-Gatherers-Forager-Fishers and Early Settlers: Adaptation, Technology, and Landscapes | Nupur Tiwari, Garima Khansili, Charusmita Gaddekar, Mutharasu Anbalagan, Pratik Pandey

S_182 | Past human-environment interaction along the ancient Silk Road in arid, dry and hypoxia regions of Asia | Xiaoyan Yang, Shalini Sharma, Rayees Ahmad Shah, Yu Gao, Jishuai Yang

S_183 | Adaptive Agricultural Landscapes in Drylands: Archaeological and Environmental Insights from the AGRI-DRY Network | Marco Madella, Nicki Whitehouse

S_194 | Geoarchaeology and Site Formation Process in Palaeolithic Sites of Asia | Tosabanta Padhan, Shubham Rajak

S_196/211 | Landscapes through the Quaternary: Geoparks as stewards of Geoconservation and sustainability

S_197 | Technological and Behavioural Adaptations from the Hunter-Gatherers to Early Farming Communities in South Asia | Swati Verma, Akash Pandey, Neelima Vasudevan, Shashi B. Mehra

S_208 | Impacts of Pleistocene Climate Change on the Evolution of Humans and Other Mammals | Jiaoyang Ruan, Thushara Venugopal, Michael Petraglia

S_212 | Environmental Change, Population Dynamics and Cultural Innovations in East Asia from MIS 4 to MIS 2 | Francesco d'Errico, Hao Li





ANTHROPOCENE

15 Sessions

Session ID | Session Title | Conveners

S_024 | Unraveling Late Holocene Climate Instability: Tracing Natural Variability and Human Influence | Swati Tripathi, Nivedita Mehrotra, Biswajeet Thakur

S_039 | Linking Past, Present, and Future: SDMs and Paleoecological Insights for Climate-Driven Biodiversity Conservation | Jyoti Srivastava, Pujarini Samal

S_040 | Human fingerprints on Earth-surface processes: past trajectories, current dynamics, future risks | Roberto Sergio Azzoni, Kathleen Nicoll, Luca Forti, Joanna Fidelus-Orzechowska

S_056/029 | Dryland landscape-climate dynamics from the Quaternary to the Anthropocene: novel methods, models and applications | Aditi Dave, Aayush Srivastava, Abi Stone, Joaquin Spinelli, Kathryn Fitzsimmons, Martin Hipondoka, Paul Hesse, Zhiwei Xu, Xiaoping Yang, James Blinkhorn, Julie Durcan

S_061 | Beyond the Anthropocene: Archaeology and Palaeoecology of Marginal Environments | Daniela De Simone, Anupama Krishnamurthy, Arjun Rao

S_097 | Patterns and Pace of Island Environment and Ecosystem Change during the Anthropocene | Simon Haberle, Sandra Nogué

S_100 | Ecosystems on the edge – a Quaternary perspective on ecosystem recovery | Pete Langdon, Richard Walton, Rong Wang

S_113 | Tracing human-environment interactions in mountain regions | Cristina Val-Peón, Aasif M. Lone, Juzhi Hou, Elodie Brisset, Hema Achyuthan, Debajyoti Paul, Vincent Rinterknecht

S_120 | Re-evaluating long term Human-Biodiversity Relationships | Jonathan D. Gordonm, Lindsey Gillson, Mathew Adeleye

S_123 | Island Legacies: Prehistoric Insular Ecosystems, Human Societies and Climate Change | Eleanor Scerri, Ilaria Patania, Mario Mata-González, Claudia Speciale, Dylan Gaffney, Vincenza Forgia, Nena Galanidou

S_127 | The Anthropocene epoch: geology, the Earth system, and relevance to society | Martin J. Head, Jan Zalasiewicz, Colin N. Waters, Simon Turner

S_160 | Evolution of coastal environments under natural and anthropogenic impacts | Sergio Cappucci, Toru Tamura, Duccio Bertoni, Stefano Andreucci

S_180 | Holocene abrupt climate changes: physical causes and social effects | Yama Dixit, Harvey Weiss

S_195 | From Sediments to Cities: Unravelling Subsidence in Coastal and Alluvial Environments | Daniela Ruberti, Wei-Chia Hung, Ashwani Raju, Pietro Teatini, Luigi Tosi, Naveed Ullah

S_205 | Island habitability and vulnerability: Geology, ecology, and socioeconomics | Pankaj Khanna, Rohan Arthur, Shradha Menon



CHRONOLOGY AND TECHNIQUES

11 Sessions

Session ID | Session Title | Conveners

S_026 | Carbon-Sulfur-Iron and trace metal biogeochemical cycles and microbiological processes in extreme aquatic environments: Present and deep time | Aninda Mazumdar, Wriddhiman Ghosh, Aditya Peketi

S_041 | Isotopic analyses of Quaternary mammals for the reconstruction of past ecosystems | Hervé Bocherens, Beniamino Meccozzi, Jiao Ma, Kantapon Suraprasit

S_047 | Connecting records from Land to Sea: towards a better understanding of Earth-systems and land-oceanic interactions | Rodrigo Martinez-Abarca, Arne Ulfers, Christian Zeeden, Mathias Vinnepand

S_062 | Radiocarbon in Quaternary sciences: Methodological innovations and expanding applications | Rajveer Sharma, Harsh Raj, Partha Sarathi Jena

S_074 | Applications of Quaternary tephrochronology across palaeoenvironmental, archaeological and volcanological research | Christine S. Lane, Paul Albert, Hugo Albaredes, Jayde Hirniak, Angesom Resom Kidane, Jinheum Park

S_083/088 | Chronology and Physico-chemical characterisation of the Quaternary River Terraces and Incision in South Asia | Manoj Kumar Jaiswal, Piyal Halder, Vineet Gahlaut; Anupam Sharma; Sayoni Mondal; Jayesh Mukherjee; Ayyappadas CS; Shashi Shekhar Shukla

S_086 | Advancements in Quaternary geochronology: constraining environmental change and patterns of human evolution | Janina J. Nett, Arindam Biswas, Melanie Kranz-Bartz, Svenja Riedesel, Gilles Rixhon

S_155/066 | How resilient should our societies be in an increasingly hazardous environment? | P. Morthekai, Karthick Balasubramanian, Shubhra Sharma, V. Rajesh, V. Selvakumar, C. Jerome Samraj, Adam Green

S_174 | Transformations and Resilience in Late Pleistocene and Early-Mid Holocene South Asia: Insights from Indigenous Knowledge and Adaptive Strategies from archaeology and ethnography | Kalangi Rodrigo, Wijerathne Bohingamwua, V. Selvakumar, Kaushik Gangopadhyay, Chandrima Shaha, Jeromi Petrishya

S_185 | Unresolved Issues in Quaternary Geochronology and Chronostratigraphy | Liping Zhou, Lewis Owen, Adele Bertini

S_199 | Recent Advances in Quaternary Dating Methods and Their Applications | Atul Kumar Singh, Manoj Kumar Jaiswal, Pankaj Kumar, A. J. Timothy Jull



PROFESSIONAL ISSUES AND OUTREACH

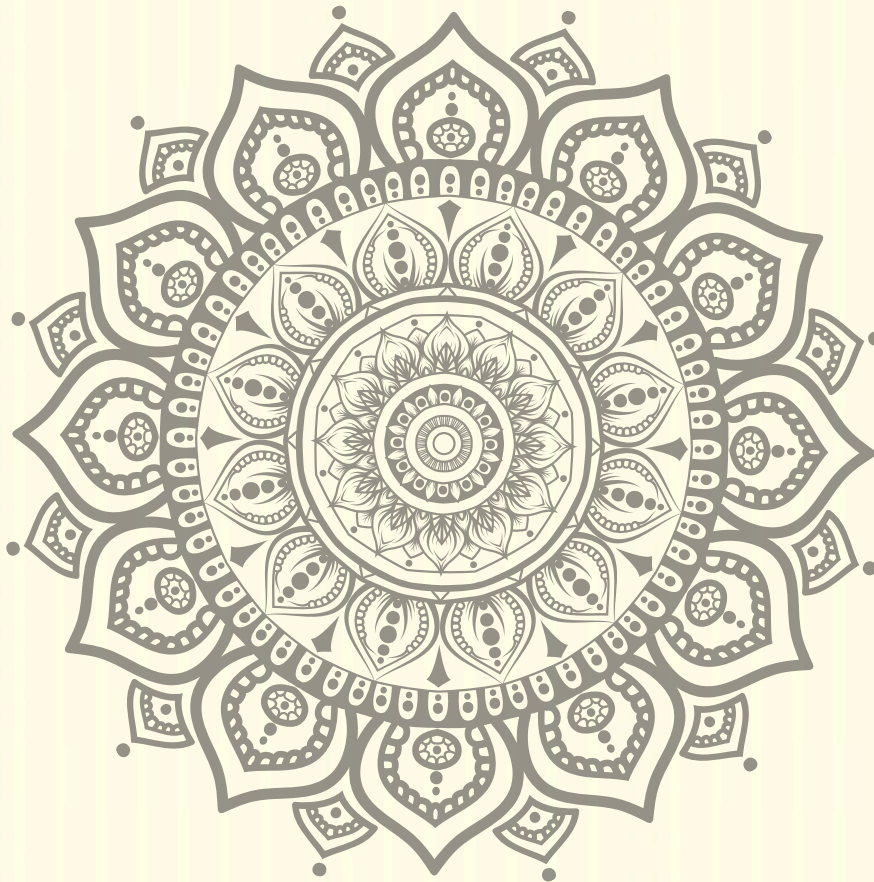
3 Sessions

Session ID | Session Title | Conveners

S_009 | Global south" perspective: past, present, and future | Bishnu Pada Bose, Diptasri Ghosh

S_046/119 | Breaking Boundaries: Geoscience outreach for education, inclusion, and social change | Rodrigo Martinez-Abarca, Karla Rubio-Sandoval, Sofía Barragán-Montilla, Romina Achaga, Kathleen Wils, Lisa Feist, Elena Robakiewicz, Rodrigo Martínez-Abarca, Marta Marchegiano

S_167 | Bridging time: communication, storytelling, and new ideas and practices in Quaternary science dissemination and public engagement | Guido Stefano Mariani, Opeyemi Adewumi, Kathleen Nicoll





SYNTHESIS-DATA AND MODELLING

20 Sessions

Session ID | Session Title | Conveners

S_043 | Warm intervals in the Southern Hemisphere (WiSH) from MIS 5 to 1 | Jasper Knight, Jamie Shulmeister, Kathryn Fitzsimmons, Lydia Mackenzie, Elizabeth Rudolph, Javiera Carraha

S_045 | Palaeomagnetic and rock magnetic signatures in the reconstruction of global climatic, environmental and tectonic changes | Satish J, Sangode, Debarati Nag, Sarvendra Pratap Singh, Arvind Tiwari, Shirish Verma

S_059 | Paleosols as indicators of past environments and human impacts | Brad Sion, Francisco Ladeira, Maria Bronnikova, Elizabeth Solleiro Robollo

S_067 | Quaternary history of South America's ecosystems: Drawing future perspectives from long term records | Paula A. Rodríguez-Zorro, Raquel Franco Cassino

S_068 | Can Artificial Intelligence speed up paleo-sciences? Lessons from fossil pollen, phytoliths and micro-charcoal from across the world | Meghna Agarwala, Lewis Owen, Adele Bertini

S_070 | Understanding hydroclimate variability using records from speleothems, marine sediments, and data-model comparison approaches | Nitesh Sinha, Natasha Sekhon, Dildi Dildi, Nikita Kaushal, Anupam Samanta

S_096 | Recent Advances in Environmental Magnetic Applications in Quaternary Environments | Joju George Sebastian, Fabio Florindo, Anish Kumar Warriar, Priyeshu Srivastava

S_128 | Mid-Pleistocene and Mid-Brunhes Transitions: observations and forcing mechanisms | María F. Sánchez Goñi, Qiuzhen Yin, Xiaowen Quan, Zhipeng Wu, Stefanie Kaboth-Bahr

S_132/147 | Sub-millennial to Milankovitch time scale extreme climate (including monsoon) and associated events during the Quaternary | Raj Kumar Singh, Rajeev Saraswat, Shabnam Choudhary

S_134/093 | The Coastal Landscape in the Digital Era: AI-Driven Solutions for Climate Change and Coastal Vulnerability | Prof. Giovanni Scardino, Alok Kushabaha, Divya Sardana, Mahima Lakra, Ankit Agarwal

S_144/117 | Tropical hydroclimate variability during the Quaternary (TROPQUA): Insights from proxy records and climate model simulations | Ignacio A. Jara, Sudhira R. Bhadra, Shivangi Tiwari, Jeanne Millot-Weil, Feng He, Yama Dixit, Ilham Bouimetarhan, William Defliese

S_149 | Bridging Proxy Records and Climate Models: Toward Robust Paleoclimate Insights Across Timescales | Sayak Basu, Annabel Wolf, Kyungsook Yun, Sarthak Mohanty

S_150 | Challenges of Quaternary Mapping, Correlation and Modelling on- and offshore | Kristine Asch, Markus Fiebig

S_154 | Unravelling Asian Monsoon evolution through multiproxy Marine and Terrestrial Archives | Imran Khan, Syed Azharuddin, Rayees Ahmad Shah, Arindam Chakraborty

S_159 | Unravelling the Quaternary Evolution of Asian Monsoon Dynamics: Insights from Terrestrial and Oceanic Proxies, Paleoclimatic Simulations, and Model-Data Integration | Naveen Gandhi, Kaustubh Thirumalai, T. P. Sabin, Rupa Kumar Kolli, Amzad H. Laskar

S_169 | Quantifying climate change in Australasia: challenges and opportunities | Timothy Barrows, Lydia Mackenzie, Kat Fitzsimmons, Teresa Dixon, Calla Gould-Whaley, Juliet Sefton

S_178 | Questing the Climate Change: Impinged Heritage, Vulnerable Communities, and Indigenous Knowledge in Quaternary Landscapes | B.R. Mani, Tishyarakshita Nagarkar, Rajiv Nigam, Alemseged Beldados Aleho, C.J. Sonowal, Chiamaka Mangut, Ekta Singh

S_202 | The southern African Quaternary: environments, ecology and humans | Michael Meadows, Brian Chase, Lynne Quick, Juzhi Hou

S_209 | Quaternary biodiversity records: the role of repositories and legacy data | Debahuti Mukherjee, Subhronil Mondal

S_210 | From Layers to Landscapes: Quaternary Mapping and Data Integration for Strategic Planning | PK Singh, BN Mahanta

WORKSHOPS



Workshops

22 Workshops during Mid conference break (31st January 2027)

Workshop ID | Workshop Title | Conveners

W_001 | Reconstructing Megafauna Mobility with Isotopes | Clement P. Bataille

W_002 | State-space methods for testing hypotheses about environmental drivers and biotic interactions in community and paleoecological time series | Quinn Asena, Jack Williams, Anthony Ive

W_003 | Introduction to Flotation for Archaeobotany and Archaeobotanical Sorting and Identification | Jennifer Bates

W_006 | Writing and submitting journal articles for Quaternary science | Lewis Owen

W_007 | Training Workshop on Diatom Taxonomy and Ecology: Tools for Quaternary Environmental Reconstruction | Karthick Balasubramanian, Mital Thacker, Priyanka Joshi, Nagaraj Subramani, Yogeshwaran Murugesan

W_009 | People Past and Present (P3): Palaeoscience, Communication, and Society | Shanti Pappu, Kumar Akhilesh, Prachi Joshi, Sutonuka Bhattacharya, K. Anupama, Yanni Gunnell, R. Premathilake

W_010 | Modern aquatic biogeochemical processes and interpretation of past-records | Aninda Mazumdar, Wriddhiman Ghosh

W_011 | Sediments for Society: clues for assessing hydrological environments and landscape change | Sujay Bandyopadhyay, Priyank Pravin Patel, Subhjit Sinha

W_013 | Softskills, digital drawing, vector graphics | Michaela Falkenroth, Udite Mukherjee, Rebecca Brice

W_014 | Microfossils and Environmental Change: A Hands-on Training in Palaeoecological Techniques | Biswajeet Thakur, Md. Firoze Quamar, Swati Tripathi, Nivedita Mehrotra

W_015 | Age-depth models: Best practice and challenges | Christian Zeeden

W_016 | Working with multi-proxy paleoecological data using the Neotoma Paleoecology Database | Simon Goring

W_017 | Mastering Species Distribution Modelling: From Theory to Practice | Jyoti Srivastava, Pujarini Samal, Jereem Thampan

W_019 | Communicate to Connect: Science Communication for Early Career Researchers | I V Satya Chanakya, Sudhir Bhadra, Marta Marchegiano, Romina Achaga

W_020 | Tracing molecular signatures in Quaternary archives: useful tools to understand climate, ecosystems dynamic and the Anthropocene changes | Ankit

W_022 | Hands on training on Quantification of Vegetation in Modern Landscapes: Methods, Tools, and Applications | Anjali Trivedi

W_023 | Visualising the Quaternary Science: A Hands-On Workshop in Science communication using Photography and Filmmaking | Rakesh Rao

W_024 | Beyond the Surface: Unlocking Archaeological Insights Using 3D Digital Models and Geometric Morphometric Analyses | Malavika Chatterjee, Frederick Foulds

W_025 | Decoding Quaternary Landscapes, Memory, and Mankind Across Millennia: Ethnography as Archival Practice and a Proxy for Archaeological, Environmental and Cultural Reconstruction | Tishyarakshita Nagarkar, C.J. Sonowal, Lipika Nath

W_026 | Understanding and practicing ethical research in the paleosciences | Parth R. Chauhan, Prabhin Sukumaran, Ekta Gupta

W_029 | Tracing and Tracking Geological Processes Using Stable Isotope Technology | A S Maurya, D P Singh



FIELD TRIPS



Field Trips

Field excursions are a hallmark of the XXII INQUA Congress 2027, offering participants an opportunity to experience India's exceptional Quaternary landscapes, geological heritage, archaeological sites, and diverse ecosystems. The Congress features an exciting programme of pre-Congress, mid-Congress, and post-Congress field trips, led by experts in their respective disciplines. List with some details are provided here and soon the field guides will be available on the *Congress website*.

Pre-Congress Field Trips

Field Code | Title | Pls/CoPIs | Email | Mobile

INPRE-01

Investigate tectonics, palaeoseismology, coastal evolution, and Quaternary deposits in western India | PI: Gaurav D. Chauhan, Co-PI: Siddharth Prizomwala | gdc.dew@gmail.com | +91 9925640656



INPRE-02

Trace Late Quaternary environmental change and early human migration along the Thar Desert margin | PI: Hema Achyuthan, Co-PI: Sudhesh Kumar Wadhawan | hachyuthan0@gmail.com | +91 9382849662

INPRE-03

Geoheritage and Archaeology of Rajasthan Visit important geological monuments, archaeological sites, and cultural heritage locations of Rajasthan | PI: J. S. Kharakwal, Co-PI: Ravindra Devra | jskharakwal66@gmail.com | +91 8003636352



INPRE-05

Explore the world's largest inhabited river island and its dynamic fluvial environment | PI: Manasi Debnath, Co-PI: Dr. Manoj Kumar Phukan | manasi.jnu2012@gmail.com | +91 7407947801

INPRE-06

Discover the geoheritage, archaeology, and cultural landscapes of the Middle Ganga Basin | PI: Vinay Kumar, Co-PI: Kuldeep Prakash | vinaykumar166@yahoo.com | +91 9811473663



INPRE-07

Examine India's largest brackish lagoon, coastal evolution, and lagoonal ecosystems | PI: Raj Kumar Singh, Co-PI: Pitambar Pati |
rksingh@iitbbs.ac.in | +91 8895381431



INPRE-08

Humans, Landscapes and Animals of the Narmada Valley: One Million Years of Paleoanthropology | PI: Parth Chauhan, Co-PI: Prabhin Sukumaran |
parthrc@iisermohali.ac.in | +91 8837611380

INPRE-09

Study cave systems, Quaternary landscapes, and prehistoric archaeological sites | PI: Naveen Gandhi, Co-PI: Rajani Panchang |
naveen@tropmet.res.in | +91 9405112720



INPRE-10

Signatures of 2004 Sumatra-Andaman and past transoceanic tsunamis and mega-subduction Zone Earthquakes from Andaman Island |
PI: Javed Malik, Co-PI: Mahendrasinh S. Gadhavi | javed@iitk.ac.in |
+91 9956300101

INPRE-11

Lithics and Landscapes Prehistory and Quaternary Palaeoenvironments in Southeast India | PI: Linto Alappat, Co-PI: Kumar Akhilesh |
alappatlinto@christcollegeijk.edu.in | +91 8547201311



INPRE-12

Explore igneous terrains, karst landscapes, caves, waterfalls, and Quaternary fluvial systems of southern India | PI: Anish Kumar Warrier, Co-PI(s): Aditya Udayraj Joshi, K. Balakrishna and Saurodeep Chatterjee |
anish.warrier@manipal.edu | +91 8217613284

Mid-Congress (31 January 2027)

These one-day excursions introduce delegates to the geological, geomorphological, archaeological, ecological, and cultural heritage of Lucknow and nearby destinations.

Field Code | Title | Pls/CoPls | Email | Mobile

INMID-01

A Field-Based Study of Agra Archaeological Site and its adjoining areas |
PI: Pawan Govil, Co-PI (s): Srinivas Bikkina, Sadhan K. Basumatary |
pawan_govil@bsip.res.in | +91 9568007219



INMID-02

Sunrise to Sunset of Long-term Human Climate Interactions in the Oldest Living City of Varanasi | PI: Trina Bose, Co-PI (s): Akhilesh K Yadava, Ishwar Chandra Rahi | trinabose@bsip.res.in | +91 8896220620

INMID-03

Cultural and Architectural Significance of Sacred Sites in Ayodhya: A Historical and Religious Perspective | PI: Kamlesh Kumar Verma, Co-PI: Anurag Maurya | kamlesh_kumar@bsip.res.in | +91 9453436487

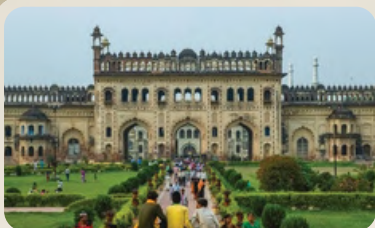


INMID-04

Archaeological Insights into Hulas Khera: Cultural Evolution from the Pre-NBPW to Medieval Periods | PI: Anju Saxena, Co-PI: Arif Husain Ansari | anju_saxena@bsip.res.in | +91 9415582686

INMID-05/06

Quaternary Geology, Fluvial Geomorphology and Geoheritage of Gomti River, Lucknow: A field transect through Chandrika Devi Temple, the Loni Nadi and Dilkusha Kothi of central Ganga Plain | PI: Manoj M.C., Co-PI (s): K G Misra, Niteshkumar Khonde | manoj_mc@bsip.res.in | +918004931255



INMID-07

Architectural and Geomorphological Significance of Shaan-e-Awadh: Imambara, Bhulbhuliya, and Tilewali Masjid on the T2 Surface of Lucknow | PI: S. Nawaz Ali, Co-PI: Mayank Shekhar | snawazali@bsip.res.in | +91 9554955511

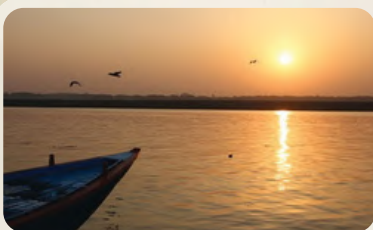


INMID-08

Heritage in Layers: From Ancient Egyptian Mummies to Modern Fauna-Lucknow & State Museum, Natural History Gallery and Zoological Gardens | PI: Gaurav Srivastava, Co-PI (s): Hukam Singh, Sanjai Singh | gaurav_srivastava@bsip.res.in | +91 9792704022

INMID-09

Quaternary Geology, Fluvial Geomorphology, Geoarchaeology, and Landscape Evolution of the Middle Ganga Plain: A Field-Based Study of Nawabganj Wetland Bird Sanctuary | PI: Suresh Pillai, Co-PI: Abhijit Mazumder | ssureshk_pillai@bsip.res.in | +919450297991



INMID-10

Archaeological Heritage of Jajmau and Bithoor and Fluvial Geomorphology of the Ganges at Bithoor, Uttar Pradesh | PI: Shailesh Agarwal | shailesh_agrawal@bsip.res.in | +918795589667

INMID-11

Lithostratigraphy and Paleoenvironmental structure of the Kalpi Cliff Section along the Yamuna River | PI: Ansuya Bhandari | ansuya12@bsip.res.in | +9194120 52571



INMID-12

Ecological Conservation at the Kukrail Reserve Forest and Scientific Advancements at the CSIR - Central Institute of Medicinal and Aromatic Plants (CIMAP), Lucknow | PI: Shilpa Pandey, Co-PI (s): Parminder Ranhotra, Anumeha Shukla | shilpa.pandey@bsip.res.in | +918127767930

INMID-14

Janeshwar Mishra Park and Gomti Riverfront: Insights into the Quaternary Geology and Fluvial Evolution of the Middle Ganga Plain | PI: Abha Singh, Co-PI: Prem Raj Uddandam | abha.singh@bsip.res.in | +919235838683



INMID-15

Geographical, Architectural, and Historical Significance of NBRI Botanical Garden, Chattar Manzil, and the Residency in Lucknow | PI: Poonam Verma, Co-PI (s): Shreya Mishra, Suman Sarkar | poonam_verma@bsip.res.in | +919839072591

Post-Congress Field Trips

(4-9 February 2027)

Field Code | Title | Pls/CoPls | Email | Mobile

INPOST-01

Bhimbetka Rock Shelters: Tracing the Footsteps of Early Peopling of South Asia | PI: Niraj Rai, Co-PI: Ravi Korisettar | nirajrai@bsip.res.in | +91 9550235839



INPOST-02

Nature's Wonders and Ancient Mysteries: Lonar, Ajanta-Ellora, Maharashtra | PI: Mohammad Arif, Co-PI: Amar Agarwal | mdarifkrl@gmail.com, arif@bsip.res.in | +91 7652015189



INPOST-03

Quaternary Landscape Evolution, Geoarchaeology and Saline Basin Development in Northwestern India: A Field Excursion to Rakhigarhi, Kalibangan and Sambhar Lake | PI: Bharti Sharma, Co-PI (s): R.P. Singh, Kumar Gaurav, Dr. Pradeep Mawar, Dr. Ravi Kumar Vendavulla, Ms. Sandhya Sharma, Ms. Veenita Rani | bhartilove1994@gmail.com | +91 9996625015



INPOST-04

Late Quaternary Continental Sequences in the Semi-Arid Alluvial Plains of Gujarat, Western India | PI: D.M. Maurya, Co-PI: Alpa Sridhar | dmmaurya@yahoo.com | +91 9824438424



INPOST-05

The Quaternary Chronology of the Beas and Chandra Basins, Himachal Pradesh | PI: Milap C. Sharma, Co-PI: Sheikh Nawaz Ali | milap@jnu.ac.in | +91 9968717571



INPOST-06

Karewas of Kashmir – Decoding Quaternary Climate Archives of the Western Himalaya | PI: Rayees Ahmad Shah, Co-PI: Irfan Maqbool Bhat | shahrayees04@gmail.com | +91 7006366411



INPOST-07

Quaternary Landscape Evolution, Active Tectonics and Drainage Reorganization at the Himalayan Mountain Front, NW Himalaya | PI: Vimal Singh, Co-PI: Ananya Divyadarshini | vimalgeo@gmail.com | +91 9560714063

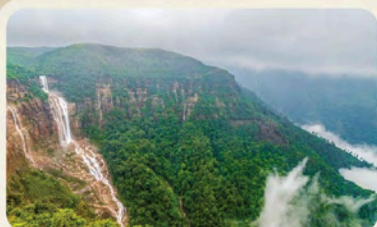


INPOST-08

Late Quaternary sedimentation pattern in the Alaknanda valley: climate-tectonic interaction | PI: Anil Kumar, Co-PI (s): Yogesh Ray, Yashpal Sundriyal | anilwihg@gmail.com | +91 9045179890

INPOST-09

Paleo-earthquake Signatures – Active Fault Topography from NW Himalaya: A Field Excursion in the Mesoseismal Zone of 1905 Kangra earthquake – Mw7.8, NW Himalaya | PI: Javed N. Malik, Co-PI: Saptarshi Dey | javed@iitk.ac.in | +91 9956300101

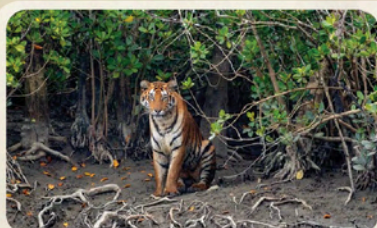


INPOST-10

Exploring the Geoheritage and Paleoclimate Archives of Meghalaya | PI: Atul Kumar Singh, Co-PI: Devesh Walia | aksingh21sep@gmail.com | +91 9415092558

INPOST-12

Paleoseismic Investigation along the foothill zone of Assam Himalaya (Nameri Tiger Reserve), NE India | PI: Priyanka Singh Rao, Co-PI: R. Jayangondaperumal | raopriyankasingh@gmail.com | +91 7890061789



INPOST-13

Mangrove response to climate and sea-level changes: Palaeoecological insights from the Sundarbans Biosphere Reserve, India | PI: Shilpa Pandey, Co-PI: Abhijit Mitra | shilpa.pandey@bsip.res.in | +91 8127767930

INPOST-14

Unveiling the Quaternary archives of the Western Bengal Basin | PI: Sujay Bandyopadhyay, Co-PI (s): Subhajit Sinha, Priyank Pravin Patel, Manoj Kumar Jaiswal | sujay.bandyopadhyay@knu.ac.in | +91 9474916027





INPOST-15

Late Quaternary landscape evolution in the Southern Ganga Plain, India: implication for paleoclimate and forebulge tectonics |

PI: Anupam Sharma, Co-PI: U. K Shukla | ukshukla1965@gmail.com, anupam.sharma@bsip.res.in | +91 9474916027

INPOST-16

Unveiling the Geomorphological Evolution Mysteries of the Yamuna-Chambal Badlands: An Exploration of Quaternary Landscapes |

PI: Padmini Pani, Co-PI (s): S.N. Mohapatra, Shashi Shekhar Shukla | padminipani.jnu@gmail.com | +91 9810137437



Registration for all field trips will be available through the Congress registration portal. Participation is subject to availability and confirmation after receipt of payment. Delegates are advised to register early, as several excursions have limited capacity.

*Scan, to know more
about the field trips*



Scientific Programme at a Glance

Time/Date	28 January	29 January	30 January	31 January	01 February	02 February	03 February
08:30 - 09:00	Registration			Mid Congress Workshops 			

*PD : Panel Discussion

Congress Dinner: A Congress dinner will be hosted on the 29th January 2026.

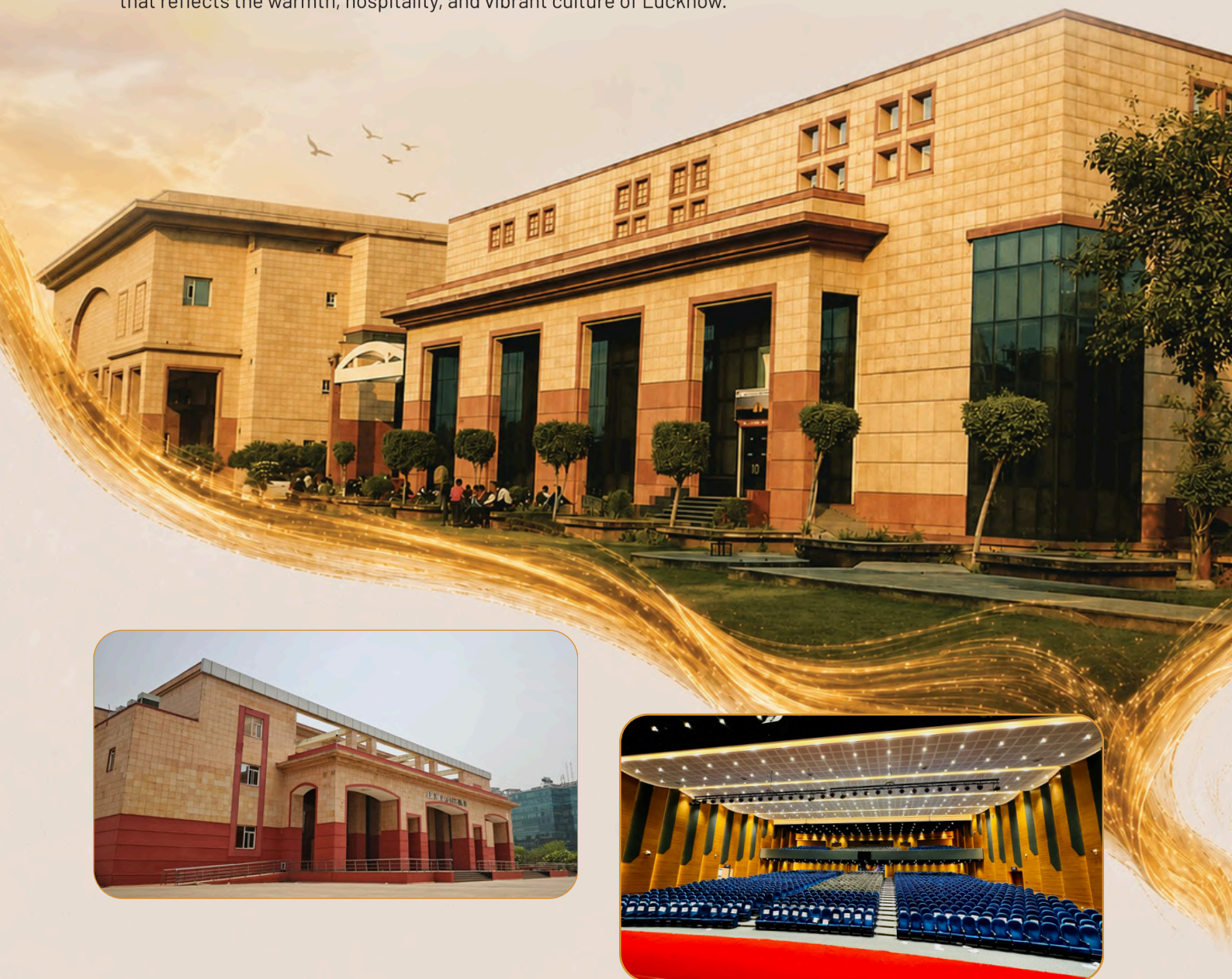
Venue

The XXII INQUA Congress 2027 will be hosted at the **Indira Gandhi Pratishthan (IGP), Lucknow**, one of northern India's premier convention centres. Located in the modern township of Gomti Nagar, the venue offers an ideal setting for a large international scientific congress, combining contemporary facilities with easy access to hotels, restaurants, shopping centres, and the city's cultural attractions.

The Congress programme will be spread across multiple well-equipped auditoriums and meeting halls, enabling the smooth conduct of plenary lectures, 12-14 parallel scientific sessions, workshops, business meetings, exhibitions, and poster presentations. Spacious networking areas and exhibition spaces will provide ample opportunities for interaction among delegates, exhibitors, and sponsors throughout the Congress.

Designed to host major international events, the venue offers a comfortable and accessible environment with modern audiovisual facilities, high-speed internet connectivity, dedicated registration areas, dining spaces, and comprehensive delegate services. The campus is fully accessible for participants with disabilities, and additional assistance will be provided upon request.

The Organizing Committee is committed to ensuring a seamless and memorable Congress experience in a venue that reflects the warmth, hospitality, and vibrant culture of Lucknow.



Childcare Facility

To support delegates attending the Congress with young children, a supervised childcare facility will be available at the Congress venue during the official Congress hours for children between 1 and 12 years of age. The facility will operate only during the main scientific programme and will not be available during the pre- and post-Congress events or the mid-week field trips.

The childcare area will provide a safe, comfortable, and engaging environment with age-appropriate toys, books, creative activities, and supervised play under the care of trained childcare personnel. Basic amenities, including a resting area, changing facilities, and child-friendly refreshments, will also be available.

Parents or guardians wishing to avail of this facility are requested to indicate their requirement during the online registration process, including the child's age and any special medical, dietary, or care requirements.



Schedule & Key Dates

Event	Deadline / Date
Notification of acceptance of abstracts	25 May 2026
Request for financial support opens	30 May 2026
Request for financial support closes	10 July 2026
Formal notification of financial support	25 July 2026
Early bird and field trip & workshops registration opens	25 July 2026
Second circular	31 July 2026
Early bird Registration closes, and field trip registration closes	15 September 2026
Regular registration and accompanying person registration open	16 September 2026
Deadline for payment of fees to secure presentation	30 October 2026
Regular Registration Closes	30 October 2026
Third circular	15 December 2026
Delayed and onsite registration continues	Up to the closing date of the Congress

Registrations

The registration fees as tabled below will cover lunches, morning and afternoon tea/coffee/refreshments (excluding during the mid-Congress excursion), the icebreaker party,. Additionally it will include an abstract booklet (on Pen drive) and a free Congress Mobile App, which will also be downloadable for tablets and smartphones and allow users to create their personalised programmes.

Registration for accompanying person will cover lunches, morning and afternoon tea/coffee/refreshments.

Conference dinner fee will comprise a full buffet meal with a range of Indian and International cuisines. Non-alcoholic drinks will be available.

Category	Early Bird fee Till 30 August 2026	Regular Fee Till 30 October 2026	Registration Fee Late Fee / Onsite
Full Registration	€550	€650	€750
Student Registration ECR* and DCR**	€350	€450	€500
One Day Registration	€250	€250	€250
Registration for Accompanying Person	€300	€300	€300
Congress Dinner	€60	€60	€60

*ECRs are people that are still within 8 years max after PhD conclusion

**Developing Countries Researchers are defined following the world bank economic criteria given at <https://data.worldbank.org/country>

Terms & Conditions, Privacy, Cancellation and Refund Policies

All participants are requested to carefully read and comply with the **Terms & Conditions**, **Privacy Policy**, **Cancellation Policy**, and **Refund Policy** available on the INQUA India 2027 website

(<https://www.inquaindia2027.in>) before completing their registration. These policies outline the conditions governing the use of the Congress website and registration portal, abstract submission, participation in the Congress, collection and protection of personal information, as well as procedures related to registration cancellation, refunds, and other administrative matters. By registering for the Congress, participants acknowledge and agree to abide by these policies. Delegates are encouraged to review the latest versions of these documents on the official website, as they form an integral part of the Congress registration process.

Normally, once the registration fee is paid, it shall not be refunded, except in exceptional situations for example medical emergencies and loss of life. However, in case of cancellation of the Congress due to unforeseen circumstances (such as a pandemic), registration fee amounts will be refunded after deducting the bank transfer charges. It will be in the interest of the participants that they keep full details of bank transfer and share these when needed.

Visa Requirements

The entry formalities and vaccination requirements for India vary according to the country of origin. The website of the Indian Ministry of External Affairs provides information about visa requirements and can be accessed [here](#). It will be the delegate's responsibility to investigate the visa requirements for India and obtain a visa by taking into account the time needed for visa processing. The organizing committee will inform the Indian embassies / consulates about the congress, and update them with the registered participants with their details. Please note that, in some cases, a typical visa processing time could be 3-4 months and therefore a prior consultation with local Indian Embassy is recommended.



Food Options

A diverse and inclusive dining experience will be available for all participants throughout the Congress. A wide range of vegetarian, non-vegetarian, vegan, and other dietary options will be served during the conference, along with tea, coffee, and refreshments during scheduled breaks.

As the host city, **Lucknow** offers delegates an opportunity to experience one of India's most celebrated culinary traditions. Renowned as the City of Nawabs, Lucknow is famous for its rich **Awadhi cuisine**, known for its delicate flavours, slow-cooked delicacies, aromatic biryanis, succulent kebabs, traditional breads, and delectable sweets. Selected regional specialties will be featured alongside a variety of Indian and international cuisines, allowing participants to savour the city's unique gastronomic heritage.

Recognizing the diverse dietary preferences of our international delegates, special meal requirements, including vegan, gluten-free, lactose-free, and other medically or religiously prescribed diets will be accommodated, subject to prior requests. Participants are requested to indicate their dietary preferences, food allergies, or dietary restrictions while completing the online registration payment form.

Every effort will be made to ensure that all meals are prepared and served following the highest standards of hygiene, quality, and food safety.





Dr. B.R Ambedkar Memorial Park

Travel to Lucknow

Lucknow, being the capital city, is also one of the largest cities of Uttar Pradesh. Therefore, visitors would find no problem in seeking the means of transports for travelling from Airport and around the city. The local transportation in Lucknow is affordable. Metro, Buses, Auto rickshaws, E-Rikshaw and Taxis are the main modes of getting around the city.

By Air

Lucknow, the capital city of Uttar Pradesh, is conveniently located is an hour's flight away from New Delhi, the capital of India, which is one of the major aviation hubs in India.

Chaudhary Charan Singh International Airport (Category III) is the primary airport serving Lucknow. It is well-connected to major cities within India and select international destinations, making it a convenient entry point for conference attendees. Existing terminals are handling 8.5 per million passengers per annum and by 2027 the handling capacity will increase to 14.5 million passengers per annum as the airport is under extension.

Location & Accessibility

- The airport is located approximately 15 km from the city centre and the conference venues.
- It is easily accessible by taxis, app-based cabs (Ola, Uber), and airport shuttle services.

Domestic & International Connectivity

- The airport operates regular flights to major Indian cities such as Delhi, Mumbai, Kolkata, Bengaluru, Hyderabad, Chennai, and Ahmedabad.
- International flights connect Lucknow to destinations like Dubai, Abu Dhabi, Jeddah, Muscat, and Bangkok, with more connections via Delhi and Mumbai.

Facilities & Services

- Terminals: The airport has two terminals:
 - Terminal 1: Primarily for domestic flights.
 - Terminal 2: Handles international operations.
- Transport Options: Prepaid taxi services, car rentals, and ride-hailing apps are available at the airport.
- Other Amenities:
 - Duty-free shopping and retail outlets
 - Food courts and lounges
 - ATMs, currency exchange counters
 - Free Wi-Fi in designated areas

For more information, please visit the official website of the airport:

<https://www.aai.aero/en/airports/lucknow>

By Train

46 trains run Delhi (Countries Capital City) to Lucknow

<https://www.irctc.co.in/nget/train-search>

By Car

Delhi and Lucknow are connected through the Yamuna and Taj Expressway through Agra. It takes 7 hours to drive between the two cities.

By Bus Coach

There are many buses also runs from Delhi to Lucknow daily covering an approximate distance of 493 km
www.redbus.in

Other General Information

Travel insurance

It is must for every Congress participant to obtain travel and health insurance. Such insurance should cover payment for medical care in the case of hospitalisation as well as the cost of repatriation to home country. The organizers will ensure availability of ambulance service and hospital information and onsite emergency medical help will be available.

Weather

Lucknow has a humid subtropical climate. The winter season starts from November and extends up to end of February. This is followed by the summer season which lasts till about June, when monsoon arrives over the region. The temperatures in Lucknow during end of January to early February are comfortable with low of 15°C (59°F) and high up to 28° C (82° F).

Phone Connectivity

India is well connected with phone operators providing 4G and 5G Networks. The country code for India is +91 followed by 10 digit mobile number. Local SIM cards is easily available at all Airports and cities. For Landline: International access code (+91) followed by STD code 522) and then the landline number.

Power Supply

Standard voltage is 220-240 volts, 50Hz. Most hotels are equipped with transformers for 110-120 volts, 60Hz, round pin sockets only. Some hotels may provide adaptors for 110 Volts appliances on request, however it is advisable to carry universal adaptors.

Time Zone

The whole of India operates to a single time zone and referred to as Indian Standard Time (IST), which is 5 Hours 30 Minutes ahead of the Greenwich Mean Time (GMT + 05:30)

Currency

The currency in Indian Rupee (represented as ₹ of INR). Currency notes come in denominations of 10, 20, 50, 100, 200 and 500. The Currency may be exchanged at the airport on arrival. Most bank ATMs honour Visa, Visa Electron, Master and Maestro Cards, and you may use these ATMs also to withdraw money. ATMs will also be available at the conference venue. Most hotels, shops and other establishments accept credit cards. Masters and VISA cards are accepted at almost all such establishments; some accept Diner and American Express cards as well. We are also planning to provide a currency exchange at the venue of the congress.

Exhibition and Sponsorship Opportunities

Exhibitors Category (EC)

 EC3 €10000 (₹10 Lakhs)	 EC2 €8000 (₹8 Lakhs)	 EC1 €5000 (₹5 Lakhs)
✓ Booth size 20 Sqm ✓ 2 Registration free	✓ Booth size 15 Sqm ✓ 2 Registration free	✓ Booth size 9 Sqm ✓ 1 Registration free

Sponsorship Categories

 Platinum €106,000+ (₹1 Crore)	 Gold €53,000+ (₹50 Lakhs)
✓ Free registration for 6 delegation members. ✓ Display posters and standees at designated places. ✓ Stall size 20 Sqm for deeper interactions and displays. ✓ Representatives part of National Advisory Board. ✓ Invitation to Congress Dinner.	✓ Free registration for 4 delegation members. ✓ Display posters and standees at designated places. ✓ Stall size 15 Sqm for deeper interactions and displays. ✓ Invitation to Congress Dinner.
 Silver €27,000+ (₹25 Lakhs)	 Bronze €10,550+ (₹10 Lakhs)
✓ Free registration for 2 delegation members. ✓ Display posters and standees at designated places. ✓ 9 Sqm space provided ✓ Invitation to Congress Dinner.	✓ Free registration for 1 delegation member. ✓ Display posters and standees at designated places. ✓ Invitation to Congress Dinner.

Sponsorship Opportunities: <https://www.inquaindia2027.in/sponsorship>
Sponsor Registration Form: <https://www.inquaindia2027.in/sponsorform>

Exhibition and Sponsorship Opportunities

INDIRA GANDHI PRATISHTHAN SATURN HALL



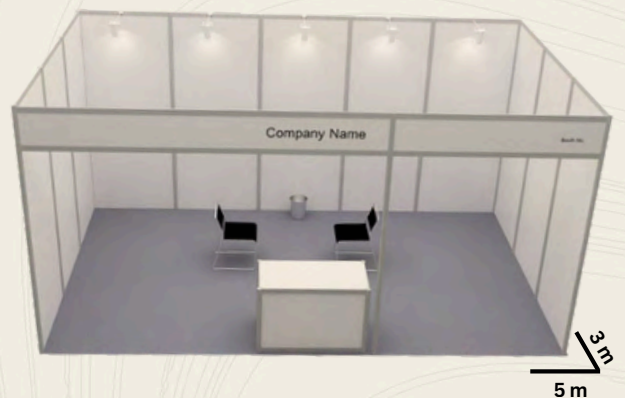
3m x 3m Stalls
(47 Nos)



4m x 3m Stalls
(2 Nos)



5m x 3m Stalls
(1 Nos)



Each exhibition stall will be equipped with standard amenities, including an Octonorm stall structure, a table, chairs, basic lighting, carpet flooring, power socket, and a dustbin. Any additional or specific requirements beyond the standard provisions may be arranged directly with the designated vendor and will be subject to additional charges.

Social Media

We will be using social media platforms to keep you connected to **XXII INQUA Congress** both before, during and after the Congress. Please use the hashtag on Twitter, Facebook and Instagram, **#INQUAIndia2027**.

Check for our accounts



@inqua2027india

and follow the congress online to stay current with all the latest developments, plans and deadlines.

Listen to our
INQUA India
Podcast
on



Logo



The INQUA India 2027 logo symbolizes India's remarkable Quaternary heritage, integrating its geological, climatic, ecological, and cultural history within the iconic framework of the INQUA emblem.

The logo retains the distinctive INQUA logo – the snowflake, symbolizing the ice ages, glaciation, and climate variability that shaped the Quaternary Period.

At the base of the logo is Nanda Devi (7,816 m), India's second-highest mountain and one of the most iconic Himalayan peaks. The Himalaya represents the dynamic landscapes, glaciers, rivers, and oceans (Arabian Sea, Indian Ocean and the Bay of Bengal), the environmental archives that are central to Quaternary research. The surrounding forests, river, and valley reflect India's extraordinary biodiversity and the intimate relationship between climate, landscapes, and ecosystems through time. The silhouette of Lucknow's architectural skyline, positioned above the word India, celebrates the host city of the XXII INQUA Congress and showcases India's rich cultural and historical heritage.

The word "India" is rendered in the colours of the Indian National Flag, emphasizing the country's identity while symbolizing unity, diversity, and its first opportunity to host the International Quaternary Congress.

On the left, the silhouettes of early humans represent India's deep human history and the evolution of our ancestors during the Quaternary. They highlight the country's rich archaeological record and the story of human adaptation to changing environments.

Together, these elements also acknowledge the origins and development of agriculture in the Indian subcontinent—one of the defining transformations of the Holocene—linking environmental change with the rise of human civilizations.

Overall, the logo reflects the interconnected themes of glaciation, climate change, landscapes, biodiversity, human evolution, archaeological heritage, and agricultural history, embodying the scientific spirit of INQUA while celebrating India's unique contribution to Quaternary research. It symbolizes the congress theme of exploring the past to better understand the present and prepare for the future.



www.inquaindia2027.in

Contact Details:

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Phone: +9163866 96896 | +916392507990