

Program Overview

Venue: GFZ German Research Centre for Geosciences

Address: Albert Einstein Science Park, Telegrafenberg Haus H, Potsdam (Germany)

Sunday September 25, 2022	
10:00 - 16:30	Bicycle pre-conference excursion
16:30 - 19:00	Registration
17:00 - 20:00	Ice breaker
Monday September 26, 2022	
08:30 - 09:00	Registration
09:00 - 09:30	Opening / Welcome Notes Susanne Buiter (GFZ Scientific Executive Director & Spokesperson of Executive Board) Dirk Sachse (GFZ Director of Topic 5 "Future Landscapes") Frank Preusser (DEUQUA-President)
09:30 - 12:30	Session 1: <i>Climate variability and warmer climates</i> Convener: Claudia Wrozyna & Cécile Blanchet
09:30 - 10:00	KEYNOTE: Emilie Capron (Université Grenoble, France) Insights into our future from past interglacials
10:00 - 10:20	Christiane Richter (TU Dresden) What Quaternary gastropods tell us about the effect of climate changes on Canary ecosystems
10:20 - 10:40	Andreas Koutsodendris (Heidelberg University) Climate and ecosystem variability in SE Europe since the Early Pleistocene: The Tenaghi Philippon archive revisited
10:40 - 11:00	Vanessa Skiba (PIK) On the forcing of glacial abrupt climate transitions of the last 300,000 years
11:00 - 11:30 Coffee Break	
11:30 - 11:50	Peter Fischer (University Mainz) Millennial to centennial scale terrestrial ecosystem responses to Upper Pleistocene North Atlantic climatic oscillations in Central Europe
11:50 - 12:10	Johanna Lomax (University Giessen) Late Glacial and Holocene environmental change recorded at the gravel pit Niederweimar (Central Hesse)
12:10 - 12:30	Henning A. Bauch (AWI & GEOMAR) Asymmetric development of sub-Arctic temperature regimes during interglacial MIS 11
12:30 - 15:20	Session 4: <i>Anthropogenic activity recorded in geoarchives</i> Convener: Elisabeth Dietze & Julia Meister
12:30 - 13:00	KEYNOTE: Yoshi Maezumi (MPI Jena) Reconstructing past land use and cultural burning in the Amazon
13:00 - 14:00 Lunch break	
14:00 - 14:20	Hans von Suchodoletz (University Leipzig) Holocene human-environmental interactions and seismic activity in a Late Bronze to Early Iron Age settlement center in the southeastern Caucasus
14:20 - 14:40	Susanne Liebner (GFZ) Human impact on cyanobacteria during the Holocene revealed by sedimentary DNA from Lake Tiefer See

14:40 - 15:00	Antonia Reiß (University Mainz) Between land reclamation and storm surges – man-environment interactions in the Trendermarsch (North Frisia, Germany)
15:00 - 15:20	Sascha Krüger (National Museum of Denmark, Lyngby) Fire, fungi and forage - tracing palaeolithic human-environmental interactions in sediments from the Nahe palaeolake (Schleswig-Holstein)
15:20 - 15:40 Coffee Break	
15:40 - 18:00	Poster Session for Sessions 1 and 4 with oral introduction
18:00 - 19:00	Guided tour Telegrafenberg (in German and English)
19:15 - 20:15	Evening lecture: Jörg Pross (Universität Heidelberg): Die Rolle der Paläoklimatologie in der aktuellen Klimadebatte: Potenziale und Herausforderungen
Tuesday September 27, 2022	
08:30 - 10:00	Session 2: Abrupt climate change and extreme events Convener: Claudia Wrozyna & Cécile Blanchet
08:30 - 09:00	KEYNOTE: Monica Ionita-Scholz (AWI Bremerhaven) Response of the European hydroclimate to a slowdown of the Atlantic Meridional Overturning Circulation
09:00 - 09:20	Christopher Berndt (University Greifswald) Hurricane impacts on lake hydrogeochemistry as recorded by ostracod stable C and O isotopes in Lago Enriquillo, Dominican Republic
09:20 - 09:40	Blaise Gravier (University Leipzig & MPI Jena) Dust provenance analyses show changes in air-masses circulation over the North African desert margin during the Holocene
09:40 - 10:00	Ido Sirota (The Hebrew University of Jerusalem) A mechanistic approach for interpreting hydroclimate from halite-bearing sediments during abrupt climatic transitions
10:00 - 10:30 Coffee Break	
10:30 - 12:20	Session 3: Synchronization and dating of climate proxy records Convener: Achim Brauer & Daniela Müller
10:30 - 11:00	KEYNOTE: Siwan Davies (Swansea University, UK) The cryptotephra revolution: connecting, correlating and constraining chronologies
11:00 - 11:20	Rebecca Kearney (GFZ) The TephroMed project: Using tephra to precisely synchronising two key palaeoclimatic ICDP records of the eastern Mediterranean region
11:20 - 11:40	Markus Czymzik (IOW) Synchronizing the Baltic Sea and Lake Kälksjön sediment records using the cosmogenic radionuclide ¹⁰ Be
11:40 - 12:00	Daniel Wolf (TU Dresden) Connecting loess archives in the Western and Eastern Mediterranean
12:00 - 12:20	Nikolas Krauß (University Greifswald) Geochronological investigations at the Last Glacial Maximum of the Scandinavian Ice Sheet in NE-Germany
12:30 - 15:20	Session 5: Earth surface processes and environmental change Convener: Michael Dietze & Margret Fuchs
12:30 - 13:00	KEYNOTE: Sibylle Knapp (TU München) Landslide hazards in a changing alpine environment – the key role of lakes

13:00 - 14:00 Lunch Break	
14:00 - 14:20	Kathleen Stoof-Leichsenring (AWI Potsdam) Potential of sedimentary ancient DNA in reconstructing past arctic ecosystems
14:20 - 14:40	Mirosław Błaszkiwicz (IGSO, Polish Academy of Sciences) Permafrost evolution in the last glacial period in the North-Central European Lowlands
14:40 - 15:00	Christiaan Diemont (University of Sheffield) Non-climatic drivers of ice marginal shifts arising from the interplay of regional ice dynamics: A discussion in relation to moraines of the Southern Sector Scandinavian Ice Sheet
15:00 - 15:20	Fergus McNab (GFZ) Responses of alluvial river networks to periodic environmental change: Linking stratigraphic and geomorphic archives
15:20 - 15:40 Coffee Break	
15:40 - 18:00	Poster Session for Sessions 2, 3 and 5 with oral introduction
18:00 - 19:00	Junge DEUQUA Kick-off Meeting*
19:30	Conference Dinner
Wednesday September 28, 2022	
08:30 - 10:10	Session 6: Regional Quaternary geology Convener: Henrik Rother & Christian Hoselmann
08:30 - 08:50	Jaqueline Strahl (LBGR Brandenburg) Die Karte der Holstein-zeitlichen Ablagerungen von Brandenburg 1 : 300 000
08:50 - 09:10	Jürgen M. Reitner (Geologische Bundesanstalt, Wien) Begriffskataloge der Geologischen Landesaufnahme für Quartär und Massenbewegungen in Österreich: Grundlage und Praxis
09:10 - 09:30	Felix Martin Hofmann (University Freiburg) Zeitpunkt des spätpleistozänen Vergletscherungsmaximums und Chronologie der Gletscherveränderungen am Ende der letzten Deglaziation des Südschwarzwaldes, Deutschland: vorläufige Ergebnisse
09:30 - 09:50	Ulrike Wielandt-Schuster (Regierungspräsidium Freiburg, Landesamt für Geologie, Rohstoffe und Bergbau) Die Sedimentabfolgen im Oberrheingraben: Litho- und Biostratigraphie in einer tektonisch aktiven Umgebung
09:50 - 10:10	Philipp Stojakowits (LBEG Niedersachsen) Ergebnisse pollenanalytischer Untersuchungen an saalespätglazialen bis weichselpleni-glazialen Sedimenten aus dem Quakenbrücker Becken (Niedersachsen)
10:10 - 10:30 Coffee Break	
10:30 - 12:00	Award ceremony and DEUQUA meeting
12:00 - 13:00	Poster Session for Session 6 with oral introduction
13:00 - 14:00 Lunch break	

* We want to discuss the possibilities of establishing a group for young scientist in DEUQUA. We kindly invite all interested students, PhD students or young postdocs to join this meeting, as an opportunity to get to know each other and to exchange your ideas.

14:00 - 15:00	Poster Session for Session 6 with oral introduction
15:00 - 15:30 Coffee Break	
15:30 - 16:30	Renate Treffeisen & Klaus Grosfeld (AWI) From science to society – on the importance of knowledge transfer in modern science – examples of products and tools (Impulsvortrag und Diskussion)
16:30 - 16:45	Closing remarks
17:00 - 18:30	Short course K1: Overcoming challenges in publishing research data
Thursday September 29, 2022	
08:30 - ca 19:00	Post-conference bus excursions and XRF course
09:00 – ca 16:00	Day course K2: Advanced XRF data analyses using Xelerate