

Conference Programme

Monday August 27th, 2018

- 14:00-17:30 Arrival
- 16:00 Coach departs at Gdansk airport
- 18:00-20:30 Evening session
 Conveners: Christine Lane & Michał Słowiński
- 18:00-19:15 Welcome reception & registration (Buffet meal & drinks)
- 19:30-20:30 Keynote:
 The road from IGCP 253 to INTIMATE – personal reflections and memories
 Barbara Wohlfarth (Department of Geological Sciences, Stockholm University)

Tuesday August 28th, 2018

- 08:45-08:50 Introduction by Christine Lane
- 08:50-10:40 Theme 1: Integrating Palaeorecords (Orals)
 Convener: Christine Lane
- 08:50-09:40 Keynote:
 Integration of palaeorecords with the “cosmic ray clock”
 Raimund Muscheler (Department of Geology, University of Lund)
- 09:40-10:00 *Synchronized records of Dansgaard-Oeschger events 9 to 11 in Black Sea sediments and Central Greenland ice cores based on the ¹⁰Be synchronization tool*
 Marcus Czymzik (Leibniz Institute for Baltic Sea Research (IOW))
- 10:00-10:20 *High-precision radiocarbon dates for the Younger Dryas*
 Adam Sookdeo (Laboratory of Ion Beam Physics, ETH-Zürich)
- 10:20-10:40 *Refined timescale for the retreat of the main Loch Lomond Readvance icefield in Scotland using glaciolacustrine varves*
 Adrian Palmer (Department of Geography, Royal Holloway University of London)
- 10:40-11:00 Coffee/Tea break

INTIMATE – EGU Galileo Conference: The anatomy of abrupt climate change: dissecting the palaeo-record to trace the mechanisms of climate variability

Gniew, Poland, 27 – 31 August 2018

11:00-12:30	Theme 1: Integrating Palaeorecords (Orals) Convener: Eliza Cook	
11:00-11:20	<i>A comparison of varve counting methods from Svinstadsjön, Östergötland – implications for the construction of the Lateglacial Swedisch Timescale</i> Rachel Devine (Department of Geography, Royal Holloway University of London)	
11:20-11:40	<i>A tephra-based synchronization of a marine and ice core palaeo record spanning 32 – 40 ka b2k</i> Sarah Berben (Department of Earth Science and Bjerknes Centre for Climate Research, University of Bergen)	
11:40-12:00	<i>Extending the INTIMATE tephra event stratigraphy into the Eastern Mediterranean, the Levant, and North Africa: potential, challenges and new correlations</i> Simon Blockley (Department of Geography, Royal Holloway University of London)	
12:00-12:30	Panel Discussion	
12:30-13:30	Lunch	
13:40-12:10	Theme 1: Integrating Palaeorecords Convener: Christine Lane	
13:40-12:10	Topical: <i>New Tools for integrating chronologies with environmental data</i> Christopher Bronk Ramsey (Research Laboratory for Archaeology and the History of Art, University of Oxford)	
14:10-16:10	Break outs (Coffee/Tea available)	
14:10 – 15:40	Break out 1: Developing & populating the INTIMATE database Christopher Bronk Ramsey	
	Break out 2: Connecting North & South /global records Sune Rasmussen	
15:40-16:10	Break out reports	
16:10-18:00	Poster session 1 Convener: Sune Rasmussen	
16:10-16:30	90 second FLASH TALKS Florian Ott, Christine Lane, Sunniva Rutledal, Daniel Veres, Amy McGuire, Simon Blockley, Amy Walsh, Eliza Cook, Karolina Leszczynska, Alice Carter-Champion	
16:30-18:00	Posters	

18:30 Dinner

After dinner there will be an opportunity to join a guided tour of Gniew Castle

Wednesday August 29th, 2018

08:50-10:40 Theme 2: Resolving Proxy Signals (Orals)
Convener: Dirk Sachse

- 08:50 – 09:40 Keynote:
Constraining climate variability – towards a quantitative interpretation of paleoclimate proxy data
Thomas Laepple (Helmholtz centre for polar and marine research, Alfred Wegener Institute)
- 09:40 – 10:00 *Toward annual-decadal scale resolution of ecosystem changes in Europe and relevance for a future warmer world*
Daniele Colombaroli (Department of Geography, Royal Holloway University of London)
- 10:00 – 10:20 *Impact of the Younger Dryas cooling on the interaction between vegetation and morphogenetic processes*
Joanna Petera-Aganiacz (Department of Geomorphology and Palaeogeography, Faculty of Geographical Sciences, University of Łódź)
- 10:20 – 10:40 *Microbial communities and local vegetation responses to natural and anthropogenic disturbances in Sphagnum peatlands in northern Poland*
Katarzyna Marcisz (Laboratory of Wetland Ecology and Monitoring, Adam Mickiewicz University in Poznań)

10:40 – 11:20 Coffee/Tea break

11:20 – 12:20 Theme 2: Resolving Proxy Signals (Orals)
Convener: Daniel Veres

- 11:20 – 11:40 *Ecosystem Responses to Abrupt Late Quaternary Climate Changes in Southern Siberia*
Poppy Harding (Department of Geography, University College London)
- 11:40 – 12:00 *How many abrupt climatic oscillations occurred during the Last glacial to interglacial transition (16-8ka)?*
Ian Matthews (Department of Geography, Royal Holloway University of London)
- 12:00 – 12:20 *The palaeoclimate n-alkane biomarker record of two adjacent lakes in northern Poland during the Younger Dryas*
Theresa Grunwald (GFZ German Research Centre for Geosciences – 5.1: Geomorphology, Potsdam)

INTIMATE – EGU Galileo Conference: The anatomy of abrupt climate change: dissecting the palaeo-record to trace the mechanisms of climate variability
Gniew, Poland, 27 – 31 August 2018

- 12:30 – 13:30 Lunch
- 13:30 – 14:40 Theme 2: Resolving Proxy Signals (Orals)
Convener: Daniel Veres
- 13:30 – 13:50 *The Palynological Signal of Heinrich Event 1*
Irina Delusina (UC Davis)
- 13:50 – 14:10 *A 5-year, daily resolved $d^{18}O$ precipitation record from Krabi, Thailand: atmospheric controls and implications for paleoclimatic studies*
Ludvig Löwemark (Department of Geosciences, National Taiwan University)
- 14:10 – 14:40 Panel Discussion
- 14:40 – 16:20 Break outs (Coffee/Tea available)
- 14:40- 16:00 Break out 1: Connecting isotope proxy archives and models
Didier Roche
- Break out 2: Defining transitions in our proxy archives, case study of the Younger Dryas
Stefan Engels
- 16:00 – 16:20 Break out reports
- 16:20 – 18:00 Poster session 2
Convener: Florain Ott
- 16:20 – 16:40 90 second FLASH TALKS
Stefan Engels, Christin Lindemann, Daniela Müller, Agnieszka Mroczkowska, Mateusz Plóciennik (2x), Daniel Veres, Irina Delusina, Marta Wojewódka, Francesco Muschitiello
- 16:50 – 18:00 Posters
- 18:30 Dinner

Thursday August 30th, 2018

- 09:10 -10:40 Theme 3: Global Climate Mechanisms (Orals)
Convener: Francesco Muschitiello
- 09:10 -10:00 Keynote:

INTIMATE – EGU Galileo Conference: The anatomy of abrupt climate change: dissecting the palaeo-record to trace the mechanisms of climate variability

Gniew, Poland, 27 – 31 August 2018

Validating Mechanisms of Abrupt Climate Change: Towards the Convergence of Theory and Observations

Guido Vettoretti (Centre for Ice and Climate, Niels Bohr Institute, University of Copenhagen)

10:00 – 10:20 *New insights into the anatomy of abrupt climate changes based on high-resolution records from the Greenland NEEM and NorthGRIP ice cores*

Sune Olander Rasmussen (Centre for Ice and Climate, Niels Bohr Institute, University of Copenhagen)

10:20 – 10:40 *Volcanic synchronization of abrupt climate events in Greenland and Antarctic ice cores during the last glacial period*

Anders Svensson (Centre for Ice and Climate, Niels Bohr Institute, University of Copenhagen)

10:40 – 11:10 Coffee/Tea break

11:10 – 12:10 Theme 3: Global Climate Mechanisms (Orals)
Convener: Sarah Berben

11:10 – 11:30 *The impact of H-events on the structure of DO-stadials*

Kerim Nisancioglu (Department of Earth Science, University of Bergen and the Bjerknæs Centre for Climate Research)

11:30 – 11:50 *The role of the Scandinavian Ice Sheet in controlling the European climate during the Younger Dryas: New insights from the dual biomarker approach*

Marc-André Cormier (GFZ German Research Centre for Geosciences – 5.1: Geomorphology, Potsdam)

11:50 – 12:10 Title TBC

Dider Roche (Lab. Sci. Climat & Env., CNRS)

12:20 Group picture

12:30 – 13:45 Lunch

14:00 – 15:30 Theme 3: Global Climate Mechanisms
Convener: Francesco Muschitiello

14:00 – 14:30 Topical:
Abrupt climate change – perspectives from MIS 3: are they relevant for the future?

Eystein Jansen (Department of Earth Science, University of Bergen and the Bjerknæs Centre for Climate Research)

14:30 – 15:00 Topical:
Sea ice changes and stratification changes in the Nordic Seas during MIS 3

INTIMATE – EGU Galileo Conference: The anatomy of abrupt climate change: dissecting the palaeo-record to trace the mechanisms of climate variability

Gniew, Poland, 27 – 31 August 2018

Trond Dokken (Uni Research and Bjerknes Centre for Climate Research)

15:00 – 15:30	Panel Discussion
15:30 – 15:50	Coffee/Tea break
15:50 – 16:30	INTIMATE business meeting Convener: Christine Lane
16:30 – 17:00	Key info: evening events, departure times and field trip Convener: Michał Słowiński
18:30	Conference Dinner

Friday August 31st, 2018

06:00	Coach departs for Gdansk
08:00	Field trip departs