

Status, 20.04.2021

Titel	Autors	Session	Date
Lacustrine oxygen isotope records from biogenic silica ($\delta^{18}\text{O}_{\text{BSi}}$) – a global compilation and review https://doi.org/10.5194/egusphere-egu21-12748	Philip Meister and the Project team: "Lacustrine oxygen isotope records from biogenic silica ($\delta^{18}\text{O}_{\text{BSi}}$) – a global compilation and review"	CL5.1.1 Novel and quantitative methods for reconstructing continental palaeoenvironments and palaeohydrology	Mon 26 Apr, 11:04–11:06
Sensitivity of the Antarctic ice sheets to the warming of MIS11c https://doi.org/10.5194/egusphere-egu21-4076	Martim Mas e Braga, Jorge Bernales, Matthias Prange , Arjen P. Stroeven, and Irina Rogozhina	CR1.1: The Antarctic Ice Sheet: past, present and future contributions towards global sea level	Mon, 26 Apr, 15:30–17:00
PalMod-II Data Management Plan: A FAIR-inspired conceptual framework for data simulation, inter-comparison, sharing and publication https://doi.org/10.5194/egusphere-egu21-5965	Swati Gehlot, Karsten Peters-von-Gehlen and Andrea Lammert .	ESS12.2: Find, access, share and use data across the globe: Infrastructure solutions for Earth System Sciences	Tue, 27 Apr, 11:31-11:33.
https://meetingorganizer.copernicus.org/EGU21/session/39703	Convener: Torge Martin	OS1.7: Under cover: The Southern Ocean's connection to sea ice and ice shelves	Wed, 28 Apr, 09:00–10:30
Southern control of interhemispheric synergy on marine carbon sequestration during glacial cycles https://doi.org/10.5194/egusphere-egu21-9623	Jinlong Du, Xu Zhang, Ying Ye, Christoph Völker , and Jun Tian	OS1.6 Drivers and impacts of the Southern Ocean exchange, export and	Wed, 28 Apr, 11:42–11:44

		storage of heat and carbon under past, present and future climates	
https://meetingorganizer.copernicus.org/EGU21/session/40689	Convener: Kira Rehfeld Co-conveners: Heather Andres, Julia Hargreaves	CL1.2: Palaeoclimate modeling: from time-slices and sensitivity experiments to transient simulations into the future	Tue, 27 Apr, 11:00–17:00
Dominant role of the global monsoon intensity on large-scale Holocene vegetation transitions https://doi.org/10.5194/egusphere-egu21-10640	Anne Dallmeyer, Martin Claussen, and Ulrike Herzschuh		Tue, 27 Apr, 11:13–11:15
Comparing temperature trends and variability over the Holocene in climate models of low and high complexity https://doi.org/10.5194/egusphere-egu21-1842	Christian Wirths, Elisa Ziegler, Matthew Toohey, Julie Christin Schindlbeck-Belo, Steffen Kutterolf, Heather Anders, and Kira Rehfeld		Tue, 27 Apr, 11:21–11:23
Global temperature and hydroclimate in warmer climates of the past and future: the Last Interglacial versus greenhouse scenarios https://doi.org/10.5194/egusphere-egu21-15417	Paolo Scussolini, Pepijn Bakker, Paolo De Luca, Dim Coumou, Joyce Bosmans, Gerrit Lohmann , Zoë Thomas, Chris Turney, Laurie Menviel, Takashi Obase, Ayako Abe-Ouchi, Pascale Braconnot, Bette Otto-Bliesner, Qiuzhen Yin, Matthias Prange , Chronis Tzedakis, Emilie Capron, Hans Renssen, Philip Ward, and Jeroen Aerts		Tue, 27 Apr, 13:30–13:32

<p>From the last interglacial to the future – new insights from modeling the last glacial-interglacial cycle in PalMod https://doi.org/10.5194/egusphere-egu21-11083</p>	<p>Kerstin Fieg, Mojib Latif, Michael Schulz, and Tatjana Ilyina</p>	<p>Tue, 27 Apr, 13:32–13:34</p>
<p>Methane in the climate system -- from the last glacial to the future https://doi.org/10.5194/egusphere-egu21-12440</p>	<p>Thomas Kleinen, Sergey Gromov, Benedikt Steil, and Victor Brovkin</p>	<p>Tue, 27 Apr, 13:36–13:38</p>
<p>Sensitivity of simulated oxygen isotopes in ice cores and speleothems to Last Glacial Maximum surface conditions https://doi.org/10.5194/egusphere-egu21-2305</p>	<p>André Paul, Alexandre Cauquoin, Stefan Mulitza, Thejna Tharammal, and Martin Werner</p>	<p>Tue, 27 Apr, 13:40–13:42</p>
<p>Last Glacial to present-day variability of surface climate from oxygen isotope signatures in speleothems and model simulations https://doi.org/10.5194/egusphere-egu21-9847</p>	<p>Janica Buehler, Nils Weitzel, Jean-Philippe Baudouin, Martin Werner, and Kira Rehfeld</p>	<p>Tue, 27 Apr, 13:44–13:46</p>
<p>Towards model-data comparison of the deglacial temperature evolution in space and time https://doi.org/10.5194/egusphere-egu21-9683</p>	<p>Nils Weitzel, Heather Andres, Jean-Philippe Baudouin, Oliver Bothe, Andrew Dolman, Lukas Jonkers, Marie Kapsch, Thomas Kleinen, Maximilian May, Uwe Mikolajewicz, Andre Paul, and Kira Rehfeld</p>	<p>Tue, 27 Apr, 13:50–13:52</p>
<p>Model-data comparison challenges in paleo-climate analyses: Towards an evaluation toolbox for transient climate model simulations https://doi.org/10.5194/egusphere-egu21-5716</p>	<p>Jean-Philippe Baudouin, Oliver Bothe, Manuel Chevalier, Nils Weitzel, Anne Dallmeyer, Chris Brierley, and Kira Rehfeld</p>	<p>Tue, 27 Apr, 13:52–13:54</p>
<p>State-dependency of temperature variability in transient simulations of the last Deglaciation from models of varying complexity https://doi.org/10.5194/egusphere-egu21-11006</p>	<p>Elisa Ziegler, Heather Andres, Beatrice Ellerhoff, Marie-Luise Kapsch, Steffen Kutterolf, Uwe Mikolajewicz, Julie Christin Schindlbeck-Belo, Matthew</p>	<p>Tue, 27 Apr, 13:56–13:58</p>

	Toohey, Christian Wirths, Nils Weitzel, and Kira Rehfeld		
Northern hemispheric biome changes synthesized from taxonomically harmonized and temporally standardized fossil pollen record since the Last Glacial Maximum in comparison to MPI-ESM simulations https://doi.org/10.5194/egusphere-egu21-12224	Chenzhi Li, Anne Dallmeyer, Thomas Böhmer , Alexander Postl, and Ulrike Herzschuh		Tue, 27 Apr, 13:58–14:00
The last deglaciation simulated with a coupled atmosphere/ocean/ice sheet/solid earth model. https://doi.org/10.5194/egusphere-egu21-2278	Uwe Mikolajewicz , Olga Erokhina, Marie-Luise Kapsch, Clemens Schannwell , and Florian Ziemer		Tue, 27 Apr, 15:47–15:49
Towards more physically constrained freshwater injection via eddy permitting simulations of the last glacial cycle. https://doi.org/10.5194/egusphere-egu21-10357	Love, R., Andres, H. , Condrón, A., Zhang, X., Lohmann, G. , and Tarasov, L		Tue, 27 Apr, 15:57–15:59
Variations of ocean biogeochemistry in a transient deglacial simulation with MPI-ESM https://doi.org/10.5194/egusphere-egu21-3073	Bo Liu , Katharina D. Six, Tatiana Ilyina , and Thomas Extier		Tue, 27 Apr, 15:59–16:01
Impact of land-sea organic matter fluxes on the ocean biogeochemistry during the Last Deglaciation https://doi.org/10.5194/egusphere-egu21-6230	Thomas Extier , Katharina Six, Bo Liu , and Tatiana Ilyina		Tue, 27 Apr, 16:01-16:03
Impact of Low-Degree Stokes Coefficients and Spatial Leakage on Barystatic Sea-Level Rise from GRACE/GRACE-FO https://doi.org/10.5194/egusphere-egu21-11684	Maik Thomas , Henryk Dobslaw, Meike Bagge , Robert Dill, Volker Klemann , Eva Boergens , Christoph Dahle, and Frank Flechtner	G3.1: Geodesy for Climate Research	Thu, 29 Apr, 09:04–09:06
Evaluating a method for reconstruction of global, zonal and regional mean temperatures from sparse proxy data https://doi.org/10.5194/egusphere-egu21-4361	Maximilian May, Nils Weitzel , Lukas Jonkers , and Kira Rehfeld	NP4.2: Analysis of complex geoscientific time series: linear, nonlinear, computer science perspectives	Thu, 29 Apr, 09:41–09:43

<p>Pattern and time-scale dependencies of temperature-precipitation correlations in the Northern Hemisphere extra-tropics https://doi.org/10.5194/egusphere-egu21-15935</p>	<p>Ulrike Herzschuh, Thomas Böhmer, Xianyong Cao, Raphael Herbert, Anne Dallmeyer, Richard Telford, and Stefan Kruse</p>	<p>NP3.4: Climate Variability Across Scales and Climate States</p>	<p>Thu, 29 Apr, 13:53–13:55.</p>
<p>https://meetingorganizer.copernicus.org/EGU21/session/39134</p>	<p>Convener: Raphael Hébert Co-conveners: Mathieu Casado, Shaun Lovejoy, Tine Nilsen, Kira Rehfeld</p>	<p>NP3.2 EDI Climate Variability Across Scales and Climate States</p>	<p>Thu, 29 Apr, 13:30–15:00</p>
<p>Characterising Dansgaard-Oeschger cycles: from MIS3 to today https://doi.org/10.5194/egusphere-egu21-13778</p>	<p>Andres, H. and Tarasov, L.</p>		<p>Thu, 29 Apr, 13:43–13:45</p>
<p>Timescale-dependent stability of surface air temperature and the forced temperature response https://doi.org/10.5194/egusphere-egu21-1939</p>	<p>Beatrice Ellerhoff and Kira Rehfeld</p>		<p>Thu, 29 Apr, 14:03-14:05</p>
<p>https://meetingorganizer.copernicus.org/EGU21/session/39063</p>	<p>Convener: Meike Bagge Co-conveners: Torsten Albrecht, Evelyn Powell, Kira Rehfeld, Ricarda Winkelmann</p>	<p>CR3.9 EDI Characterizing interactions between ice sheets, solid Earth and sea level by observations, data assimilation and coupled modelling</p>	<p>Thu, 29 Apr, 15:30–17:00</p>
<p>Validating GIA models based on an ensemble of 3D Earth structures with present-day GPS uplift rates https://doi.org/10.5194/egusphere-egu21-9558</p>	<p>Volker Klemann, Eva Boergens, and Meike Bagge</p>		<p>Thu, 29 Apr, 15:47–15:49</p>
<p>Inferring mantle viscosity through data assimilation of relative sea level observations in a glacial isostatic adjustment model https://doi.org/10.5194/egusphere-egu21-1261</p>	<p>Reyko Schachtschneider, Jan Saynisch-Wagner, Volker Klemann, Meike Bagge, and Maik Thomas</p>		<p>Thu, 29 Apr, 15:51–15:53</p>

3D glacial-isostatic adjustment models using geodynamically constrained Earth structures https://doi.org/10.5194/egusphere-egu21-13479	Meike Bagge, Volker Klemann, Bernhard Steinberger, Milena Latinović, and Maik Thomas		Thu, 29 Apr, 15:57–15:59
Coupled solid Earth – Antarctic ice sheet simulations with VILMA and PISM https://doi.org/10.5194/egusphere-egu21-8050	Torsten Albrecht, Meike Bagge, Ricarda Winkelmann, and Volker Klemann		Thu, 29 Apr, 16:09–16:11
Simulating Interactive Ice Sheets in the Multi-Resolution AWI-ESM: A case study using the SCOPE Coupler https://doi.org/10.5194/egusphere-egu21-15682	Paul Gierz, Lars Ackermann, Christian Rodehacke, Uta Krebs- Kanzow, Christian Stepanek, Dirk Barbi, and Gerrit Lohmann	CR3.9: Characterizing interactions between ice sheets, solid Earth and sea level by observations, data assimilation and coupled modelling	Thu, 29 Apr, 15:55–15:57
Identifying drivers controlling the synchronicity of Heinrich-type ice sheet surges from the European and North American ice sheets. https://doi.org/10.5194/egusphere-egu21-4051	Clemens Schannwell, Marie-Luise Kapsch, Uwe Mikolajewicz, and Florian Ziemer	CR3.1 Ice-sheet and climate interactions	Fri, 30 Apr 09-10:30