

Monday September 13th

Session 1. Palaeo ice sheets and their mass balance

Starting at 8.30 AM EDT - [Find time in your timezone](#)

Time (EDT)	Speaker	Title
8.30		Welcome and Introduction
8.40	Marie-France Loutre	Past Global Changes celebrating its 30th Anniversary
8.55	Lauren Gregoire (invited)	Simulating past ice sheet collapse to prepare for the future
9.15	Benoit S. Lecavalier	History matching analysis of the Antarctic ice sheet evolution over the last glacial cycle
9.35	Natalya Gomez	Resolving GIA in response to modern and future ice loss at marine grounding lines in West Antarctica.
9.55	Sophie Coulson	The Global Fingerprint of Modern Ice-Mass Loss on 3-D Crustal Motion
10.15		Discussion
10.25		Break
10.50	Christopher Halsted	Rapid Laurentide Ice Sheet mass loss (and associated sea level rise) during the Bølling/Allerød constrained by ¹⁰ Be elevation transects in the northeastern United States
11.10	Oliver Pollard	Reconstructing the MIS 6 Eurasian Ice Sheet to Improve Our Understanding of Last Interglacial Sea-Level Change
11.30	Ana Carolina Moraes Luzardi	Effect of topography and isostatic adjustment on Antarctic Ice Sheet evolution using a simple ice sheet model
11.50	Anna Glueder	Paleo ice history of Petermann Glacier, NW Greenland, constrained by relative sea level and isostatic adjustment modeling
12.10		Discussion
12.30		End of day 1

Tuesday September 14th

Session 2. Palaeo sea-level and ice sheet data

Starting at 8.30 AM EDT - [Find time in your timezone](#)

Time (EDT)	Speaker	Title
8.30	Tanghua Li	Deglacial relative sea-level changes and Glacial Isostatic Adjustment modelling in the Russian Arctic
8.50	Danielle LeBlanc	Northern Hemisphere ice sheet persistence across Pleistocene interglacials
9.10	Udita Mukherjee	Partitioning early Holocene North American v. Antarctic ice melt from high-resolution reconstructions of sea-level rise and glacial isostatic adjustment modeling
9.30	Andrew Christ	Resolving the global mean sea level budget during MIS 11: direct terrestrial evidence for an ice-free northwest Greenland in the Camp Century subglacial sediment
9.50		Discussion
10.00		Break
10.20	Kerry Callaghan (invited)	Incorporating lake and groundwater volumes into global sea-level estimates during the deglaciation
10.40	Surendra Adhikari (invited)	Reconciliation of the Paleo Sea-level Record with Modern Crustal Uplift of Greenland
11.00		Poster overview 1
11.30		Virtual poster session 1
12.30		End of day 2

Wednesday September 15th

Session 3. Glacial Isostatic Adjustment

Starting at 8.30 AM EDT - [Find time in your timezone](#)

Time (EDT)	Speaker	Title
8.30	Matt King	Geodetic evidence for spatially-varying upper mantle viscosity along a 1000 km transect of the Antarctic Peninsula
8.50	Caroline van Calcar	The effect of GIA feedback on the evolution of the Antarctic Ice sheet over the last glacial cycle using a coupled 3D GIA - Ice Dynamic model
9.10	Wouter van der Wal	Stress-dependent viscosity in GIA models for Greenland and Antarctica
9.30	Parviz Ajournalou	Inference of 3D Earth structure beneath Greenland and eastern Canada using a joint inversion of regional datasets
9.50		Discussion
10.00		Break
10.20	Linda Pan	Rapid postglacial rebound amplifies global sea level rise following West Antarctic Ice Sheet collapse
10.40	Joerg Schaefer	GreenDrill Project overview and update
11.00		Poster overview 2
11.30		Virtual poster session 2
12.30		End of day 3

Thursday September 16th

Session 4. Glacial Isostatic Adjustment

Starting at 8.30 AM EDT - [Find time in your timezone](#)

Time (EDT)	Speaker	Title
8.30	Glenn Milne	Quantifying the influence of glacial isostatic adjustment on current and future sea-level change using 3-D Earth models
8.50	Andrew J Lloyd	3D Viscosity Inversions of Post-Glacial Deformation as Recorded by Relative Sea Level: Proof of Concept
9.10	Evelyn Powell	Exploring the Resolving Power of Antarctic Datasets Using the Adjoint Method: A Novel Route to Improving GIA Models
9.30	Rene Gassmoeller	Benchmarking and output sharing - lessons learned from the geodynamics community
9.50		Benchmarking discussion
10.20		Break
10.40	Kaixuan Kang	The Effects of Non-Newtonian Rheology in the Upper Mantle on Relative Sea Level Change and Geodetic Observables Induced by Glacial Isostatic Adjustment Process
11.00	Shijie Zhong	Can non-Newtonian rheology help reconcile far-field and near-field relative sea-level observations?
11.20	Erik R. Ivins	Island Subsidence During Melt Water Pulse Events and the Extended Burgers Model of Transient Mantle Rheology
11.40	Harriet Lau (invited)	Frequency Dependent Mantle Viscoelasticity via the Complex Viscosity: cases from Antarctica
12.00		Code and output sharing discussion
12.30		End of day 4