

**Poster Session 1**

Meredith	Hastings	Evaluating sources and chemistry changes based on the isotopes of atmospheric nitrate in ice cores
Mary	Gagen	Changes in plant water use efficiency over the recent past reconstructed using palaeo plant records from the boreal forest
Thomas	Laepfle	The seasonal cycle as template for climate variability on astronomical time scales
Francis	Mani	$\delta^{15}N$ measurements of nitrogen gas trapped in ice cores during Marine Isotopic Stage 3 at Berkner Island, Antarctica
Jun	Tian	Reorganization of Pacific Deep waters at the end of the Monterey Carbon Isotope Excursion: Insights from Middle Miocene (~14 Ma) South China Sea Benthic Foraminiferal $d_{13}C$
Vidya	Varma	Solar activity: a reason for south westerly wind shift during the late Holocene?
Yi	Wang	The significance of Northern Peatlands in Global Carbon Systems During the Holocene
Jay	Alder	Investigating multi-decadal scale changes in ENSO variability using a coupled A/OGCM
Lewis	Collins	A high-resolution reconstruction of late Quaternary sea-ice history in the Atlantic sector of the Southern Ocean
Isabelle	Gil	Comparison of diatom records of the Heinrich Event 1 in the Western North Atlantic
Joe	Melton	Abrupt climate transitions and the $\delta^{13}CH_4$ record: New measurements and old corrections
Logan	Mitchell	New high-precision, high-resolution records of atmospheric methane from Greenland and Antarctic ice cores: 1000 A.D. – Present.
Mirjam	Pfeiffer	Response of terrestrial $N_2O$ and $NO_x$ emissions to abrupt climate change events
Jerome	Servonnat	Solar forcing and climate variability in the North Atlantic during the last millennium: comparison between models and reconstructions
Liang-Jian	Shiau	A high-resolution sea surface temperature record off the southeastern Papua New Guinea, tropical western Pacific of the past 320,000 years

**Poster Session 2**

Jennifer	Cumpston	Mid to Late Holocene seasonal SST records along coastal Peru and their implications for ENSO behavior and climate change
Pedro	DiNezio	Is El Niño an appropriate analogue for Tropical Pacific Climate Change?
Joelle	Gergis	RECONSTRUCTING pre-20th century temperature, rainfall and pressure for the Australian region using palaeo, documentary and early instrumental data
Cyril	Giry	Temperature and hydrologic variability in the Holocene documented in corals from the Southern Caribbean Sea
Marina	Gurskaya	Continentality of climate in tree ring chronologies in Western Siberia
Ines	Hessler	Response of Tropical African Vegetation to periods associated with North Atlantic Heinrich Events
Franz Gunther	Kuglitsch	Heat wave changes in the Mediterranean Region since 1900
Mariano H.	Masiokas	520 years of glacier mass balance proxy records in NW Patagonia reconstructed from instrumental climate data and tree-ring width series
Intan	Nurhati	Coral records of late 20th century warming and freshening in the central tropical Pacific
Lynda	Petherick	High resolution record of the Last Glacial Maximum in eastern Australia
Nick	Rackebrandt	An extraordinary diatom deposition event in the Pleistocene subtropical South Atlantic
Jessica	Conroy	Variable oceanic teleconnections to western North American drought over the last 1200 years
Claudia	Fensterer	Climate variability in the Caribbean area during the last 15.3 ka reconstructed from speleothems from western Cuba
Maria Eugenia	Ferrero	Identifying spatial and temporal variations in tree growth within subtropical montane forests in South America
Sarah	Truebe	The progression of precipitation: A scale analysis of controls on oxygen isotope variability in caves of the Southwest
Rocio	Urrutia	Multi-century tree-ring reconstruction of Maule river annual streamflow in South-Central Chile
Henry	Wu	Evaluating sea surface temperature variability using replicated $\langle i \rangle$ Porites lobata $\langle /i \rangle$ coral Sr/Ca records from Clipperton Atoll (1994-1894AD)

**Poster Session 3**

Patrick	Applegate	Extracting moraine ages from statistical distributions of cosmogenic exposure dates
Shaun	Marcott	A Latest Pleistocene and Holocene Chronology of Alpine Glaciation for the western United States
Lewis	Collins	The first high-resolution age-model for Southern Ocean glacial sediments south of the Antarctic Polar Front

**Poster Session 4**

Kevin	Anchukaitis	Tropical cloud forest dendroclimatology and the demise of the Monteverde Golden Toad
Jonathan	Barichivich	Identifying changing climate responses of boreal forest trees in northwestern Canada: an integrated empirical and process-based approach
Caroline	Cleroux	Evidence for calcification depth change of <i>G. truncatulinoides</i> between Deglaciation and Holocene or Why to be careful in transposing modern observations back in time.
Caroline	Cleroux	Monitor the past subsurface Subtropical Cells activity by upper ocean temperature and salinity gradients reconstruction
Julien	Emile-Geay	Imputation of missing values in geophysical datasets: an improved, data-adaptive regularization scheme
Jennifer	Fehrenbacher	Foraminiferal Mg/Ca as a Proxy for Deep-sea Carbonate Ion Concentration
Robert	Hatfield	The particle size-specific nature of magnetic assemblages: implications for sediment tracing and palaeo-environmental reconstruction.
Nancy Grumet	Prouty	Coral proxy record of reduced groundwater input from Molokai, HI
Branwen	Williams	Proxy records from western tropical Pacific black corals and soft corals
Vladimir	Matskovskiy	Exploring climatic signal in pine ring width chronologies at the high elevation sites in the Northern Caucasus, Russia
Jessica	Vanstone	Potential of multiple dendroclimatic proxies for the Prairies?

**Poster Session 5**

Feng	He	Simulating transient climate evolution of the last deglaciation with CCSM3
Jung-Eun	Lee	Tropical precipitation during the Last Glacial Maximum: An analysis of the "amount effect" with a water isotope-enabled General Circulation Model
Francesco Salvatore Rocco	Pausata	Changes in atmospheric variability in a glacial climate and the impacts on proxy data: a model intercomparison
Summer	Rupper	Spatial patterns of Central Asian glacier advance and retreat during the last glacial cycle
Catherine	Brennan	Modelling isotopic signatures of cryospheric variability
Lydia	Olaka	East African Lakes sensitivity to climate change: Modeling

**Poster Session 6**

— —

#### Poster Session 7

Jessica L.	Black	A paleoenvironmental reconstruction of Pingualuit Crater Lake sediments: A long-term record in the terrestrial Canadian arctic spanning more than 200,000 years
Cristiano	Chiessi	Precipitation variability over southeastern South America: From orbital- to decadal-scale processes
Maureen	Davies	Marine observations of deglaciation and the Bölling-Alleröd/Younger Dryas transitions from the SE Alaskan margin
Michael	Griffiths	Postglacial climate evolution of the southern sub-equatorial tropics from speleothems in Flores, Indonesia
Ryoma	Hayashi	Millennial-scale vegetation response to the East Asian monsoon for the last 40,000 years based on a pollen record of Lake Biwa, the central Japan.
Peter	Hopcroft	Modelling climate evolution through the last interglacial
Kana	Nagashima	Millennial-scale oscillations in westerly jet path and their linkage with East Asian monsoon
Rajev	Saraswat	Deep water circulation changes in the equatorial Indian Ocean during the last ~350 kyr BP: The north Atlantic connection
Nicolas	Van Nieuwenhove	Delayed development of fully marine surface water conditions in the Norwegian Sea and Fram Strait during the last interglacial (MIS 5e)
Yoganandan	Veeran	Late glacial-holocene indian monsoon changes: a sediment core record from the southeastern Arabian Sea
Shiling	Yang	Migration of the Mu Us desert and its implications for advance/retreat of the East-Asian summer monsoon rainfall belt during the last two glacial-interglacial cycles: Evidence from particle size of Chinese loess
Xiaoyan	Zhu	A comparison of stalagmite records of Asian Monsoon climate changes since 7000aB.P.
Andreas	Born	Sea ice induced changes in ocean circulation during the Eemian
Cristiano	Chiessi	South Atlantic interocean exchange as the trigger for the Bölling warm event
Elizabeth	Farmer	Variability of the subpolar North Atlantic during Marine Isotope Stage 5
Sophie	Lewis	Water isotopes records of Australian palaeomonsoon dynamics over the last ~ 30 kyr: integrating speleothem reconstructions and GCM results
Christopher	Somes	Modeling nitrogen isotopes in a global marine ecosystem model: Constraints on the coupling between N fixation and denitrification

#### Poster Session 8

Pamela	Collins	Did prehistoric anthropogenic soil erosion cause a shift in Mediterranean biomes over the Holocene?
Jun	Inoue	Fire history in central Japan reconstructed from sedimentary charcoal
Diego	Navarro	Examining the mid-late Holocene environments of west-central Argentina
Julian	Odhiambo	DIATOMS OF ONDIRI SWAMP, KIKUYU-KENYA
Cindy	Palinkas	Anthropogenic impacts on ecosystem dynamics in nearshore Chesapeake Bay environments
Michael	Stambaugh	Long-term drought variability in the Central United States: signal detection and agricultural connection
Michal	Woszczyk	Recent sedimentary processes in a coastal Lake Sarbsko (northern Poland) and their paleoenvironmental implications
Enlou	Zhang	Fossil midges (Diptera:chironomidae) as paleoecological indicators in Chinese lakes
Yazdhi	Bamutaze	The effect of land use and land cover changes on runoff fluxes and soil losses on Mt. Elgon in Uganda
Ignacio A.	Mundo	Fire and climate variations inferred from Araucaria araucana chronologies in northern Patagonia
Michael	Stambaugh	Climate forcing of historic and future fire frequency in the continental United States

#### Talk Session A

Catalina	González	Tropical salt-marsh evidence for rapid sea-level changes associated with Heinrich events
Alberto	Reyes	The response of permafrost to last interglacial warming constrains projections of future thaw
Jeremy	Shakun	Forcing of deglacial climate change and implications for greenhouse warming
Akitomo	Yamamoto	Modeling of methane bubbles released from sea-floor gas hydrate

#### Talk Session B

Elizabeth	Farmer	Surface and thermocline records of Mg/Ca derived temperatures in the Holocene subpolar North Atlantic
Yao	Liu	Antiquity and turnover of North American terrestrial ecosystems since the Last Glacial Maximum
Raphael	Neukom	Multiproxy climate field reconstructions for southern South America back to AD 1000
Martin	Tingley	A Bayesian approach to reconstructing climate fields from proxy data

#### Talk Session C

Yusuke	Suganuma	Delayed acquisition of paleomagnetic record in marine sediments inferred from offset Be-10 flux anomaly
--------	----------	---

#### Talk Session D

Duncan	Christie	Aridity changes in the Temperate-Mediterranean transition of the Andes since A.D. 1346 reconstructed from Austrocedrus chilensis tree-rings
Julie	Ferguson	Glacial seasonal-resolution sea surface temperature records from paired $\delta^{18}O$ and Mg/Ca in limpet shells from Gibraltar
Amanda	Robertson	Genomic-level DNA sequence data as a testable proxy for paleo-environmental reconstructions and species responses to historical global change

#### Talk Session E

Fanny	Adloff	Modelling changes in eastern Mediterranean ocean climate for the early Holocene
Steven	Phipps	Understanding ENSO dynamics through the exploration of past climates

#### Talk Session F

Jessica	Tierney	Coherence between the Asian monsoon and Indonesian hydrology during the past two millennia
Andreas	Born	The 8k event: abrupt transition of the subpolar gyre towards a modern North Atlantic circulation
Yanjun	Cai	An absolute-dated and high-resolution Indian Monsoon record over the past 245 kyr from Xiaobailong Cave, southwest China
Björn	Machalett	Long term seasonality changes and abrupt climate shifts recorded in highly resolved dust/loess sequences across Eurasia

#### Talk Session G

Robert	Hatfield	Sediment sourcing and environmental reconstruction using particle size-specific magnetic fingerprinting: Bassenthwaite Lake, UK
Tyhra Carolyn	Kumasi	Land cover change in the Barekese River Basin of Ghana
Mariano	Morales	Seven centuries of precipitation variations in the Bolivian Altiplano inferred from the world's highest-elevation tree-ring records: Environmental and sociocultural implications
Megan	Walsh	Natural and anthropogenic influences on the Holocene fire and vegetation history of the Willamette Valley, northwest Oregon and southwest Washington