

Day 1 - Wednesday 7th July

9:00 - 10:20 Registration and coffee

10:20 Welcome

Creating a Cenozoic record of atmospheric CO₂

10:30 Mark Pagani - "Creating a Cenozoic record of atmospheric CO₂"

11:10 Gretta Bartoli - "Atmospheric CO₂ decline during the Pliocene intensification of Northern Hemisphere Glaciations"

11:30 Aradhna Tripathi - " B/Ca ratios in planktonic foraminifera from Sites 806 and 588: Systematics, climate implications, and questions"

11:50 Gavin Foster - "Miocene to Pleistocene pCO₂ change - a comparison between Boron isotope and alkenone based pCO₂ records"

12:10 Barbel Honisch - " Comparison of surface ocean carbonate chemistry proxies"

12:30 - 13:30 lunch

13:30 Peter Bijl - " The Middle Eocene Climatic Optimum and pCO₂: warming the doubthouse."

13:50 Paul Pearson - " Boron isotope pCO₂ reconstructions from the Eocene / Oligocene transition of Tanzania"

14:10 Jim Zachos - " Cyclical and Transient pCO₂ change during the Paleocene and Eocene as inferred from coupled sediment geochemical records "

14:30 - 16:30 coffee + discussion + break-out groups

16:30 Eric Wolff - " CO₂ from ice cores – what we know and what we can hope for"

17:00 - 18:00 wine reception + posters (see final page of program)

Day 2 - Thursday 8th July

What is the impact of CO₂ on the Earth System?

9:00 Rob DeConto - "What is the impact of CO₂ on the Earth System?"

10:00 Malte Heinemann - "High climate sensitivity to pCO₂ during the Paleocene-Eocene "

10:20 Gilles Ramstein - "Inferring thresholds in evolution of Cenozoic CO₂ using climate models"

10:40 Paul Valdes - "Climate response to CO₂ - the role of model parameters"

11:00 - 11:30 coffee

What are the ultimate drivers of past greenhouse gas change?

11:30 Maureen Raymo - "What are the ultimate drivers of past greenhouse gas change?"

12:00 Damon Teagle - " Does seafloor weathering play an important role in the global carbon cycle?"

12:20 Toby Tyrrell - " Could the Rise in Coccolithophores have Lead to Global Cooling via Loss of Calcium from the Oceans?"

12:40 Albert Galy - "Erosion, climate and atmospheric CO₂: insight from the Taiwan orogen"

13:00-14:00 lunch

14:00 Helen Coxall - "CCD deepening, ocean fertilization and CO₂ during the E-O climatic transition"

14:20 Ros Rickaby - " Unbalancing the carbonate system during glaciation"

14:40 Phil Sexton - " Late Pliocene atmospheric CO₂ drawdown from a stronger low latitude biological pump"

15:00 Richard Zeebe - " Long-term carbon cycle controls on atmospheric CO₂ over the Cenozoic: The fine mass balance and the role of organic carbon"

15:20 - 16:30 coffee + discussion + break-out groups

16:30 - 17:00 **Panel discussion meeting** and close

Posters

Cecily Chun - " The role of methane in PETM warming"

Malcolm Hart - " Modern acidification of benthic foraminifera: understanding events at the PETM"

Hayley Manners - " Understanding the Sensitivity of the Earth's Climate to CO₂ forcing: Comparative Organic Geochemistry of Hyperthermal Events"

Luke Handley - " Pronounced surface water warming in the Cretaceous subtropical North Atlantic across Oceanic Anoxic Event 1a "

Diederick Liebrand - " Early Miocene episodes of enhanced climate instability paced by multiples of long-term (400 kyr) eccentricity cycles"

Sindia Sosdian - " North Atlantic Climate Evolution across Plio-Pleistocene Climate transitions"

Catherine Bradshaw - " Constraining paleo-CO₂ estimates for the Late Miocene through the use of model-data comparisons "

Martin Butzin - "Marine carbon cycle changes according to Miocene climate simulations"

Ariane Kujau - " Organic-geochemical characterization of sediments deposited during a time of severe carbon cycle perturbations during the lower Cretaceous (SE France). "

Edward Gasson - " Exploring uncertainties in the relationship between temperature and sea level over the past 50 million years."

Michael Henehan - " Ground-truthing the Boron Isotope Proxy "

George Swann - " Carbon dynamics in the Subarctic North Pacific Ocean during the intensification of major Northern Hemisphere Glaciation "

Erin McClymont - " Glacial-interglacial $\delta^{13}\text{C}_{\text{alkenone}}$ results across the mid-Pleistocene transition: preliminary results from the SE Atlantic "

Joe Stewart - " Lithium isotope proxy for silicate weathering rates across the Oligocene-Miocene boundary "

James Rae - " Boron isotopes in benthic foraminifera and palaeo-CO₂ in the deep ocean"

Samantha Gibbs - " Was there surface water acidification at the PETM?"

Tim Elliott - "Li isotope variations in seawater over the last 60Ma; speculations on changing weathering intensity of CO₂ drawdown"