

OC3 Workshop Covallis
Preliminary Schedule

Tuesday June 27, 2017

Modeling

- 9:00 Schmittner Introduction
9:20 Yamamoto Preliminary results of the changes in ocean circulation and ocean carbon cycle during Heinrich event
9:40 Ivanovic Heinrich Stadial 1 caused by acceleration of Eurasian deglaciation ~18.5 ka
10:00 Muglia The glacial ocean reconstructed: Weak overturning circulation and strong iron fertilization.
10:20 DISCUSSION

Coffee

Chronology

- 11:00 Lisiecki Comparing age models generated from radiocarbon data versus benthic $\delta^{18}\text{O}$ alignment
11:20
11:40 DISCUSSION

Lunch

Atlantic

- 1:20 Repschläger First analyses on the North Atlantic OC3 dataset
Mid-depth Atlantic carbon isotope minima on glacial-interglacial transitions: A common pattern spanning Marine Isotope Stages 1-6
1:40 Lund
2:00 Peterson Regional and global benthic $\delta^{13}\text{C}$ stacks of the last deglaciation
Holocene signatures of stadial productivity collapse from the NE Arabian Sea and their global teleconnection with north-Atlantic cold events
2:40 Azharuddin
3:00 DISCUSSION

Coffee

Pacific

- Martínez-
3:40 Méndez Last deglacial planktic and benthic foraminifera $\delta^{13}\text{C}$ records from the Southeast and Western Equatorial Pacific
Dueling Transects reveal enhanced $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ differences between the South Atlantic and South Pacific during the last glaciation: The deep gateway hypothesis
4:00 Sikes
4:20 Mix Progress on a Pacific deglacial $\delta^{13}\text{C}$ synthesis for OC3
4:40
DISCUSSION
6:30 Dinner (Schmittner)

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Atmosphere

- 9:00 Brook Evolution of atmospheric CO₂ and δ¹³C₂ during the last deglaciation and glacial period
- 9:20 Menking Stable Isotopes Reveal a Complex Trajectory for CO₂ Drawdown at the Last Glacial Inception (MIS 5/4)
Methane triple isotopes mass balance from ice cores to constrain the sources of abrupt methane increase during the Oldest Dryas-Bølling transition
- 9:40 Dyonisius
Martínez- PaleoView
- 10:00 Méndez DISCUSSION
- 10:20 Coffee
- 11:00 **Working Groups Set 1**
- 12:30 Lunch
- 2:00 **Working Groups Set 2**
- 3:30 Coffee
- 4:00 Khider The Future of Past Climates: LinkedEarth and 21st century paleoclimatology
- 4:30 Practice with LinkedEarth (Enter OC3 data?, Work on Ontology?)
- 6:30 Dinner (Mix)

Thursday June 29, 2017

Forward-Looking / Syntheses Discussions

- 9:00 Ivanovic Transient climate simulations of the deglaciation 21–9 thousand years before present (version 1) – PMIP4 Core experiment design and boundary conditions
- 9:30 Mix Synthesis Report Pacific
- 10:00 Repschläger Synthesis Report Atlantic
- 10:30 Coffee
- 10:40 Closing Discussion (Papers, Global Synthesis, Future of OC3, ...)
- 12:00 Lunch
- 1:30 Individual or group meetings if needed

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Pacific

Mix, Sikes, Martinez, Skinner, Muglia, Liesiecki,
Ivanovic, Schmittner, Yamamoto

Mix, Sikes, Martinez, Fehrenbacher Lund, Khider,
Dyonisis, Menking, Brook, Du

Atlantic

Repschlager, Peterson, Azharuddin, Fehrenbacher
Lund, Khider, Dyonisis, Menking, Brook, Du

Repschlager, Peterson, Azharuddin, Skinner, Muglia,
Liesiecki, Ivanovic, Schmittner, Yamamoto