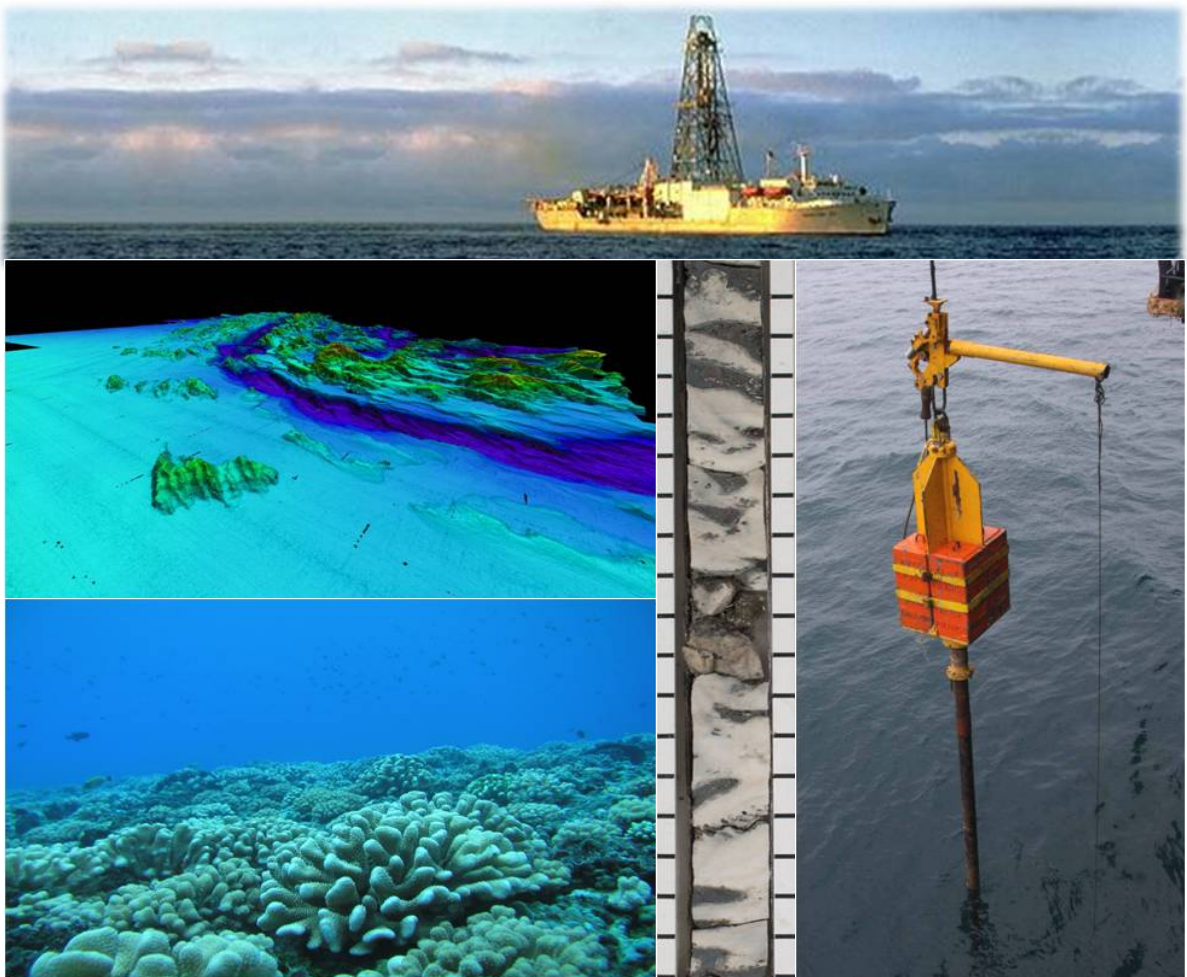


SECOND EUROMARC CONFERENCE

14-16 September 2009

Presqu'île de Giens, France



SECOND EUROMARC CONFERENCE

13-16 September 2009

Club Belambra, Presqu'Île de Giens, France

FINAL PROGRAMME

last update: 4 September 2009

online at <http://www.esf.org/euromarc>

Sunday 13 September 2009

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|-------|---|
| 18.00 | Registration at the hotel and at the ESF desk |
| 19.00 | Welcome drink |
| 20.00 | Dinner |

Monday 14 September 2009

08.45 **Conference Opening**
Shane Murphy (EUROCORES Programme Coordinator, ESF)

Session 1: CHECREEF

Convenor: Andy Wheeler

- 09.00 **Thomas Felis** (Universität Bremen, Bremen, Germany)
Pronounced interannual ENSO variability in tropical Pacific temperatures at the end of the last glacial
- 09.30 **Nicolas Durand** (CEREGE, Aix-en-Provence, France)
New chronological constraints on the radiocarbon calibration: 14C and U-series dating of corals drilled offshore Tahiti (IODP Expedition 310)
- 09.50 **Alexander Thomas** (Oxford University, United Kingdom)
The timing of termination II: Results from IODP Expedition 310 "Tahiti Sea Level"
- 10.10 **Claire Seard** (CEREGE, Aix-en-Provence, France)
Microbialite development patterns of last deglacial reefs of Tahiti (French Polynesia)
- 10.30 Coffee break

Session 2: CARBONATE

Convenor: Thomas Felis

- 11.00 **Andy Wheeler** (University College Cork, Ireland)
Cold-water coral carbonate mounds as palaeoenvironmental recorders: an analysis of the lithic record
- 11.20 **Nina Joseph** (Friedrich-Alexander University Erlangen-Nuremberg, Germany)
Palaeo-environmental variability in Holocene cold-water coral reefs in Stjernesund, Northern Norway
- 11.40 **Henk de Haas** (Royal Netherlands Institute for Sea Research, The Netherlands)
West Rockall Trough carbonate mounds; what are they made of and how did they get there?
- 12.00 **Anneleen Foubert** (Catholic University of Leuven, Belgium)
The early diagenetic behaviour of cold-water carbonate mound systems in deep environments
- 12.30 Lunch

Session 3: H2DEEP

Convenor: Mara Weinelt

- 14.00 **Fernando Barriga** (University of Lisboa, Portugal)
Mineralogy and Geochemistry of Loki's Castle Arctic Vents: significance to the Deep Biosphere
- 14.30 **Kirsten Müller** (University of Bergen, Norway)
Transition metal isotope fractionation in hydrothermal iron-sulphide deposits
- 14.50 **Tamara Baumberger** (ETH Zurich, Switzerland)
Geochemistry of hydrothermal fluids and rift valley sediments of the Loki's Castle vent field at the ultra-slow spreading southern Knipovich Ridge
- 15.10 **Steffan Jorgensen** (University of Bergen, Norway)
Microbial Diversity in Deep-Sea Sediments: Influence of Volcanism and Hydrothermal Activity
- 15.30 Coffee Break

Session 4: Poster presentation

- 16.00 **Presentation of posters**
1 or 2 slides by each poster presenter
- 16.30 **Official Poster Session** (with authors in attendance)
- 19.30 Dinner
- 21.00 **Poster session / Free Time**

Tuesday 15 September 2009

Session 5: AMOCINT

Convenor: Trond Dokken

- 09.00 **Silvia Nave** (Instituto Nacional de Engenharia Tecnologia e Inovação, Portugal)
High-resolution productivity changes during MIS 5 at mid-latitudes and its relation to Meridional Overturning Circulation

- 09.30 **Mara Weinelt** (University of Kiel, Germany)
Variability of the Azores Current over the Holocene, last glacial termination and at the end of the last interglacial
- 10.00 **Helga Flesche Kleiven** (University of Bergen, Norway)
Rapid centennial scale reductions in North Atlantic deep water during the peak of the last interglacial period recorded in sediments from the Eirik Drift
- 10.30 Coffee break

Session 6: RETRO

Convenor: Eystein Jansen

- 11.00 **Trond Dokken** (University of Bergen, Norway)
Progress and further plans in RETRO
- 11.30 **Stefan Mulitza** (University of Bremen, Norway)
Late Quaternary evolution of the African rain belt: Relation to ocean circulation and Saharan dust emissions
- 12.00 **David Hodell** (University of Cambridge, United Kingdom)
Surface and deep water hydrography on Gardar Drift (Iceland basin) during the last interglacial period
- 12.30 Lunch

Session 7: Parallel Sessions

- 14.00 **Atlantic Overturn / Circulation / Atmospheric Influence**
Chairs: G. DeLange; T. Dokken
- Accessing palaeo archives in carbonated systems**
Chairs: A. Wheeler; H. Westphal
- 15.30 Coffee break
- 16.00 **CRP Meetings**
- 17.30 Free Time
- 19.30 Dinner
- 21.00 **Scientific Committee Meeting / Poster session**

Wednesday 16 September 2009

Session 8: MOCCHA

Convenor: Dick Kroon

- 09.00 **Stefano Bernasconi** (ETH Zurich, Switzerland)
Mediterranean climate and hydrographic variability in the last millennium from high-resolution oxygen and carbon isotope records from the Gulf of Taranto
- 09.20 **Gerard Versteegh** (University of Bremen, Germany)
Lipid geochemistry and high resolution environmental reconstruction
- 09.40 **Anna-Lena Grauel** (ETH Zurich, Switzerland)
Temperature and Salinity reconstruction based on planktic foraminifers from a long core section from the Gulf of Taranto, Mediterranean Sea – Status report of the MOCCHA project
- 09.55 **Marie-Louise Goudeau** (Universiteit Utrecht, The Netherlands)
Geochemical composition of surface samples from the SW Adriatic Sea and the Gulf of Taranto (Southern Italy) and a comparison with sub-recent sediments.
- 10.10 **Arne Leider** (University of Bremen, Germany)
New insights: Biomolecular proxies and recent environmental conditions along the Southern Italian shelf
- 10.25 **Liang Chen** (University of Bremen, Germany)
How dinoflagellate cysts from the Po-river discharge plume provide information about annual variations in temperature and precipitation in the Italian region during the last two centuries
- 10.40 Coffee break

Session 9: GLOW

Convenor: Gert De Lange

- 11.00 **Dick Kroon** (Vrije Universiteit, The Netherlands)
First results of the GLOW cruise offshore Tanzania
- 11.30 **Tracey Aze** (Cardiff University, United Kingdom)
A biostratigraphic report from the GLOW site survey cruise of the S.W. Indian Ocean
- 12.00 **Jeroen van der Lubbe** (Vrije Universiteit, The Netherlands)
African climate change as evidenced in sediments from Lake Turkana
- 12.30 Lunch

Session 6: General Discussion

- 14.00 *Sedimentary paleoclimate projects*
Chairs: *D. Kroon, T. Dokken, G. De Lange, E. Jansen*
- 15.30 Coffee break
- 16.00 **General discussion**
- 17.30 Free time
- 20.00 Conference Dinner

Thursday 17 September 2009

- 07.30 Breakfast and departure

All posters will be on display during the whole duration of the conference

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