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

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
Stjernsund, 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, Switerland)
*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** (Univsersity 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**

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**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)
*Llate 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**
### Session 8: MOCCHA
**Convenor: Dick Kroon**

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>09.00</td>
<td>Stefano Bernasconi (ET H Zurich, Switzerland)</td>
<td>Mediterranean climate and hydrographic variability in the last millennium from high-resolution oxygen and carbon isotope records from the Gulf of Taranto</td>
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<td>09.20</td>
<td>Gerard Versteegh (University of Bremen, Germany)</td>
<td>Lipid geochemistry and high resolution environmental reconstruction</td>
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<tr>
<td>09.40</td>
<td>Anna-Lena Grauel (ETH Zurich, Switzerland)</td>
<td>Temperature and Salinity reconstruction based on planktic foraminifera from a long core section from the Gulf of Taranto, Mediterranean Sea – Status report of the MOCCHA project</td>
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<tr>
<td>09.55</td>
<td>Marie-Louise Goudeau (Universiteit Utrecht, The Netherlands)</td>
<td>Geochemical composition of surface samples from the SW Adriatic Sea and the Gulf of Taranto (Southern Italy) and a comparison with sub-recent sediments.</td>
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<tr>
<td>10.10</td>
<td>Arne Leider (University of Bremen, Germany)</td>
<td>New insights: Biomolecular proxies and recent environmental conditions along the Southern Italian shelf</td>
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<td>10.25</td>
<td>Liang Chen (University of Bremen, Germany)</td>
<td>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</td>
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<td>10.40</td>
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<td>Coffee break</td>
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### Session 9: GLOW
**Convenor: Gert De Lange**

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

EuroMARC is financed by research agencies from 9 European countries: Belgium (FWO), France (CNRS), Germany (DFG), Ireland (IRCSET), The Netherlands (NWO), Norway (NFR), Portugal (FCT), Switzerland (SNF), United Kingdom (NERC), and the European Science Foundation (ESF) under the EUROCORES