

InterRidge international Workshop Circum-Antarctic Ridges

28 – 30 September 2011

PROGRAMME

WEDNESDAY, SEPTEMBER 28

- | | |
|------------------------|---|
| 7 :15 onwards | Excursion on Lherzolites (Etang de Lhers, French Pyrenees) ; back around 16 :00 |
| 16 :00 – 16 :30 | Registration |
| 16 :30 – 17 :00 | Presentation of the objectives of the workshop
<u>Debbie MILTON, Sung-Hyun PARK, Anne BRIAIS</u> |
| 17 :00 – 18 :00 | Posters |
| 18 :00 | <i>Ice breaker</i> |

THURSDAY, SEPTEMBER 29

Focus of the day : Diversity of ridge structure and dynamics around Antarctica, important scientific issues on ridges and hotspots, tectonics and mantle processes

8 :30 – 10 :30 **State of the art – SWIR RTJ SEIR**

- 8 :30 Daniel Sauter
The Southwest Indian Ridge
- 9 :00 Hidenori Kumagai
Heterogeneous sub-seafloor structure near RTJ: Seismic reflection and dive observation
- 9 :30 Jean-Yves Royer
Results from a hydroacoustic experiment in the Southern Indian Ocean
- 10 :00 Henry Dick
Ocean Drilling on the Circum-Antarctic Plate Boundary

10 :30 – 10 :45 **Coffee break**

10 :45 – 13 :15 **State of the art – PAR – Chile Ridge – Aust.Ant.R**

- 10 :45 Dave Graham
Geochemical signals along the Southeast Indian Ridge
- 11 :15 Anne Briaes & Cédric Hamelin
The Pacific-Antarctic Ridge
- 11 :45 Sung-Hyun Park
Preliminary Results of a Recent Expedition to the Australian-Antarctic Ridge
- 12 :15 Donna Blackman
Southern Chile Rise - influences of east flank subduction on axial processes
- 12 :45 Yoshifumi Nogi
Japanese Marine Geophysical Activities in the Antarctic Ocean under the Japanese Antarctic Research Expedition

13 :15 – 14 :30 **Lunch and posters**

14 :30 – 16 :30 **Tectonics and Mantle processes**

- 14 :30 Henry Dick
Thin Crust Over the Marion Rise: Remelting the African Superplume
- 15 :00 Barry Hanan
The Southeast Indian Ridge : Scale and source origin of heterogeneity
- 15 :30 Christophe Hémond
The Southeast Indian Ridge : detailed study of 1600km of an isotopically peculiar ridge and thermally intermediate between MAR and EPR ridges.
- 16 :00 Marcia Maia
SEIR near the St Paul-Amsterdam hotspot
- 16 :30 Charlie Langmuir
Indian Ocean MORB in a global context

17 :00 – 17 :30 **Coffee break and Posters**

17 :30 – 18 :30 **General discussion on main tectonic issues**

Workshop dinner

FRIDAY, SEPTEMBER 30

Focus of the day : Hydrothermal processes and vent biology around Antarctica, important scientific issues and major technical challenges

9 :00 – 10 :30 State of the art – Hydrothermal processes and vent biology

- 9 :00 Ed Baker
Circum-Antarctic Ridges: The forgotten--or avoided--hydrothermal frontier
- 9 :30 Jian Lin
First active hydrothermal vents discovered on the ultraslow-spreading Southwest Indian Ridge
- 10 :00 Jeff Hawkes & Catherine Cole
Hydrothermal plume chemistry at the East Scotia Ridge, Antarctica
- 10 :30 Alfred Aquilina
Hydrothermal flow through a sediment hosted volcanic ridge in the Central Bransfield Basin

11 :00 – 11 :15 Coffee break

11 :15 – 13 :15 State of the art – Hydrothermal processes and vent biology

- 11 :15 Douglas Connelly
Venting in high latitudes: Hydrothermal activity in the Antarctic
- 11 :45 Valérie Chavagnac
Kerguelen Island vents
- 12 :15 Yong-Jin Won
Application of Next Generation Sequencing Technology for Studying Deep-Sea Hydrothermal Vent Organisms
- 12 :45 Christopher Sweeting
Biology of the East Scotia Ridge hydrothermal vents: Biogeographic and trophic perspectives

13 :15 – 14 :00 Lunch and posters

14 :00 – 15 :00 Main scientific issues – General discussion on hydrothermal processes and biology

15 :00 – 16 :00 2 Group discussions Hydrothermal processes and biology / Tectonics

16 :00 – 16 :15 Coffee break

16 :15 – 18 :00 Group syntheses – General discussion - Conclusions