



4th International Geologica Belgica Meeting 2012

# MOVING PLATES AND MELTING ICECAPS Processes and Forcing Factors in Geology

11-14 September 2012 - Brussels, Belgium

## SOCIAL PROGRAM

11/09/12

Ice Breaker party will take place at the Royal Belgian Institute of Natural Sciences, Geological Survey of Belgium. A visit to the RBINS exhibitions will be organized during the meeting.

## SCIENTIFIC SESSION

12-14/09/12

The scientific program consists of 4 themes, including 16 sessions. The organizing committee will possibly decide, after the deadline for abstract submission, to update the scientific program taking into account contributions to each session.

### Theme 1. On Greenhouses & Icehouses

#### Topic 1. Polar Realm: Evolution and Perspectives

- Session 1.** Antarctica's contribution to past and future sea-level change
- Session 2.** Greenland's contribution to past and future sea-level change

#### Topic 2. Earth at Extremes

- Session 3.** Magnetic susceptibility: a high resolution stratigraphic tool during greenhouse periods
- Session 4.** Black shales formation during anoxic event: climate and biodiversity variations
- Session 5.** Paleocene-Eocene Thermal Maximum: sedimentology, geochemistry and the biotic response

#### Topic 3. Environmental change since the Last Glacial Maximum

- Session 6.** Event-scale and permanent flooding of coasts, floodplains and continental shelves
- Session 7.** Geohazards and environmental changes in an archaeological context

### Theme 2. Drifting Plates: Mechanism & Effects

#### Topic 4. Moving plates & Moving biotas

- Session 8.** Dispersal of land vertebrates during the Paleogene
- Session 9.** Micro-organisms, palynomorphs and paleogeography
- Session 10.** Evolution of eukaryotes through time

#### Topic 5. Tectonics

- Session 11.** Geodynamics, metamorphism and magmatism
- Session 12.** The Brittle-Ductile record of earthquakes

### Theme 3. Georesources: Present & Future Challenges

- Session 13.** Ore geology: new advances and interdisciplinarity
- Session 14.** A future with geo-energy
- Session 15.** Sustainable use of natural resources

### Theme 4. New frontiers: interdisciplinary advances in geological science

- Session 16.** (open session)

## FIELD TRIPS

15-17/09/12

The following post-conference fieldtrips are confirmed:

- Quartz veins in the High-Ardenne slate belt, a proxy for hydrotectonic coupling at the base of the seismogenic crust?  
M. SINTUBIN (K.U.Leuven, Belgium)
- Sedimentology, Magnetic Susceptibility, Gamma-Ray Spectrometry in Devonian to Carboniferous rocks of the Ardennes.  
X. DEVLEESCHOUWER (Royal Belgian Institute of Natural Sciences, Geological Survey of Belgium)
- Streets and facades of Brussels, image building in natural stone.  
M. DE CEUKELAIRE (Royal Belgian Institute of Natural Sciences, Geological Survey of Belgium)

## KEYNOTE LECTURES

The following keynote speakers are confirmed:

- Karl FOELLM (University of Lausanne, Switzerland)
- Philip GINGERICH (University of Michigan, USA)
- Glenn MILNE (University of Ottawa, Canada)
- Dorit SIVAN (University of Haifa, Israel)
- Trond TO RSVIK (University of Oslo, Norway)

## VENUE

Royal Belgian Institute  
of Natural Sciences  
Rue Vautier, 29  
B1000 Brussels Belgium

## REGISTRATION FEE

Early registration until June 15th 2012.  
Non students 160 € / students 75 €.  
Regular registration until July 1st 2012.  
Non students 250 € / students 200 €.

Information: [www.geologicabelgica.be/GB2012](http://www.geologicabelgica.be/GB2012)  
Contact: [geologicabelgica2012@naturalsciences.be](mailto:geologicabelgica2012@naturalsciences.be)



## IMPORTANT DATES

- April 1, 2012** Opening of early registration and payment of registration fees
- May 1, 2012** Deadline for abstract submission
- June 1, 2012** Evaluation of abstracts and e-mail of acceptance sent to authors
- June 15, 2012** Deadline for payment for early registration
- July 1, 2012** Deadline for payment for regular registration

