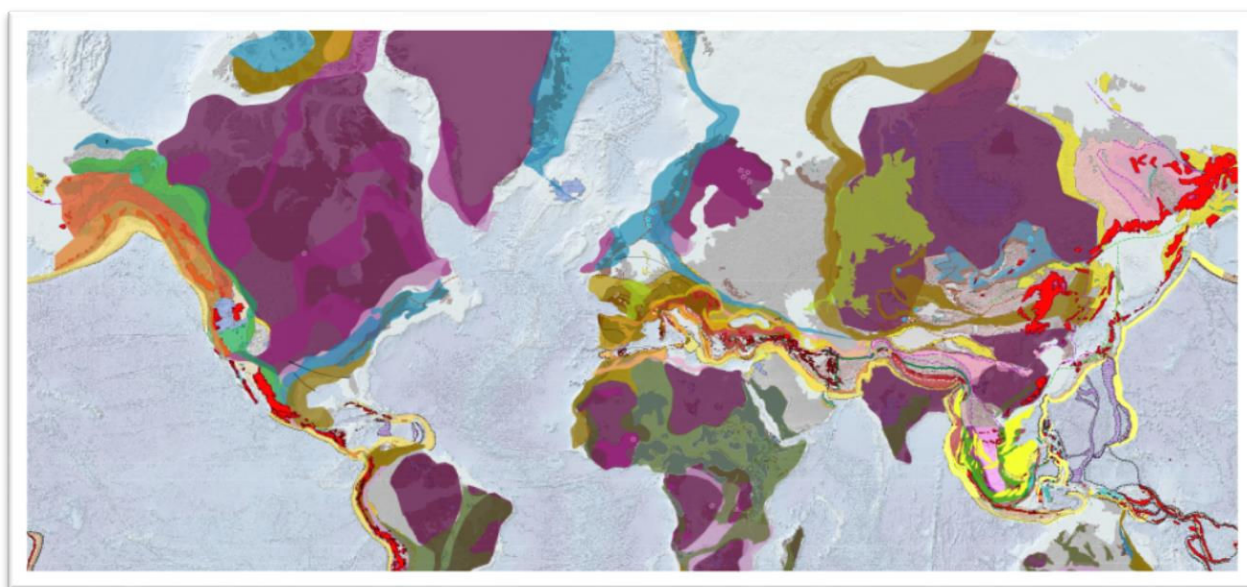




PROJECT NO. 667 WORLD MAP OF THE OROGENS WORKSHOP MEETING

Tervuren, Belgium, December 10th-12th, 2019

Last Circular



This meeting will include two days of meeting / conferences focused on African and European orogens and old cratons in collaboration with the Royal Museum for Central Africa, which is a major player in the geological investigations in Africa. After a first version of the world map already realized (including the main orogens of the different continents with their respective ages and a detailed legend), the main aim of this meeting will be to focus and finalize the design of the African continent and to present a sketch of the map in the other regions of the world.

This meeting would also include a one-day fieldtrip in the Meuse Valley, in the Belgian Brabant Massif, which displays a major unconformity between the Caledonian (Cambrian to Silurian) and Variscan (Devonian to Carboniferous) orogens.



Day 1 - Tuesday Dec 10 (Royal Museum for Central Africa, Building ME, new entrance building by Room 3, at level -1, see map below)

8:15: Departure from Montgomery station - (see map below)

9:00-9:30: Manuel PUBELLIER (CGMW, ENS, CNRS, Paris), Christian ROBERT (ENS, Paris), Nadine ELLOUZ (IFP, Paris), Romain BOUSQUET (Kiel Universität), Camille FRANÇOIS (CGMW, Paris): Introduction, meeting programme, History and Prospective of the project, Presentation of the start of the art of the map, What is an orogen? Some definitions and conventions adopted at the last meeting...

9:30-10:00: Coffee break

10:00-12:30: Scientific presentations (15min/participant)

Camille FRANÇOIS: How represent early geodynamics on the World Map of the Orogens?

Joseph-Martial AKAME (Université Libre de Bruxelles) : Strain partitioning in a long-lasting Archean transpression within the Nyabizian greenstone Belt, NW Congo Craton (South Cameroon)

Jean-Paul LIEGEOIS (Royal Museum for Central Africa, Tervuren): Nature and significance of the Pan-African orogeny; outcome for mapping the Tuareg orogen (Central Sahara).

Damien DELVAUX (Royal Museum for Central Africa, Tervuren): Kibarian in the Great Lake Region

Blaise KABAMBA BALUDIKAY (Université de Kinshasa): The influence of the Kibarian orogeny on the deposit of the Mesoproterozoic Mbuji-Mayi Supergroup (RDCongo)

12:30-14:00: Lunch (Tembo restaurant, same building, first floor, free of charge for all the registered participants)

14:00-17:00: Scientific presentations:

Igor POSPELOV (VSEGEI) : Tectonic of Central and Northern Asia

Ender SARIFAKIOGLU (Cankiri Karatekin University) : Pontides in northern Turkey affected by Variscan and Cimmerian orogenies.

Jeroen SMITT (Utrecht University) : The Thor suture zone: From Early Paleozoic subduction to Mesozoic intraplate basin setting



Jean-Paul LIEGEOIS (Royal Museum for Central Africa, Tervuren): The Brabant and Ardenne massifs (Belgian Avalonia): behavior of two contrasted basements with similar sedimentary sequences during Cambrian rifting, Caledonian and Variscan orogenies; relations with Gondwana.

Matthieu GALVEZ (ETH, Zürich) : links between geodynamic structures and climate/carbon cycle

Cédric BULOIS (Université Nice Sophia-Antipolis) : Active normal faulting along the compressional margin of the Santa Elena Peninsula region (Ecuador) : inheritance processes of extensional settings related to active orogens

19:00: Dinner in the Brussels Center (location to be confirmed)

Day 2 - Wednesday Dec 11 (Royal Museum for Central Africa, Building ME, new entrance building by Room 3, at level -1, see map below)

8:45: Departure from Montgomery station

9:30-10:00: define regional/orogen/geological age workgroups for the Map

10:00-10:30: Coffee break

10:30-10:45: (to be confirmed) **DA SILVA Anne-Christine** (Université de Liège): Presentation of the projects: IGCP-652: Reading geologic time in Paleozoic sedimentary rocks: the need for an integrated stratigraphy & IGCP-580: Application of magnetic susceptibility on Paleozoic sediments.

10:45-12:30: work on the Map

12:30-14:00: Lunch (Tembo restaurant, same building, first floor, free of charge for all the registered participants)

14:00-15:30: work on the Map

15:30-17:00: Visit of the Mineralogy Museum (Florias MEES)

19:00: Dinner in the Brussels Center (location to be confirmed)



Day 3 - Thursday Dec 12: the Meuse Valley Field trip (by Damien DELVAUX & Daniel BAUDET)

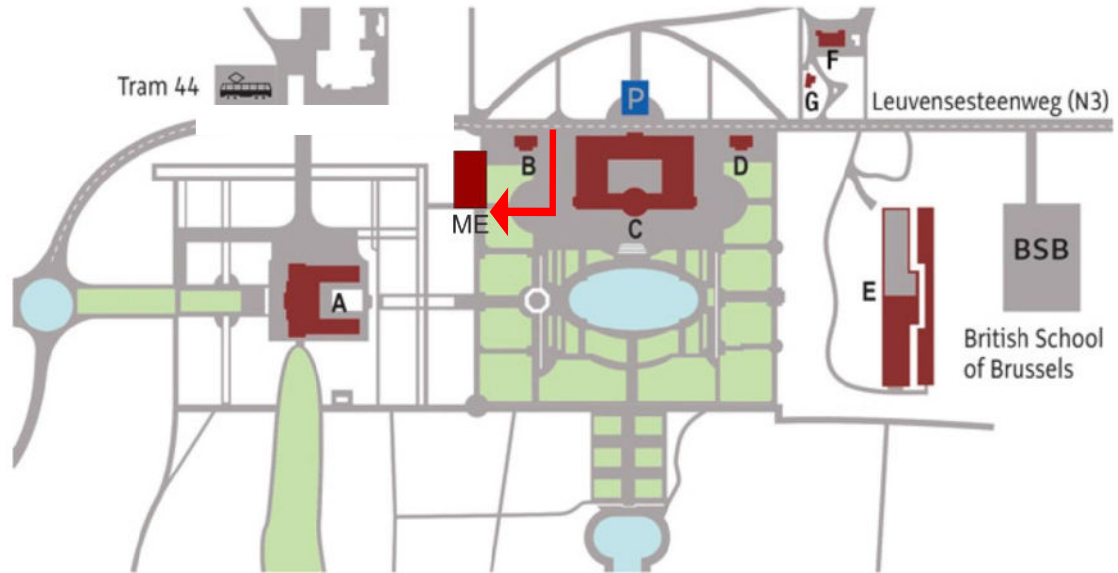
8:00: Departure from Bruxelles-Montgomery station

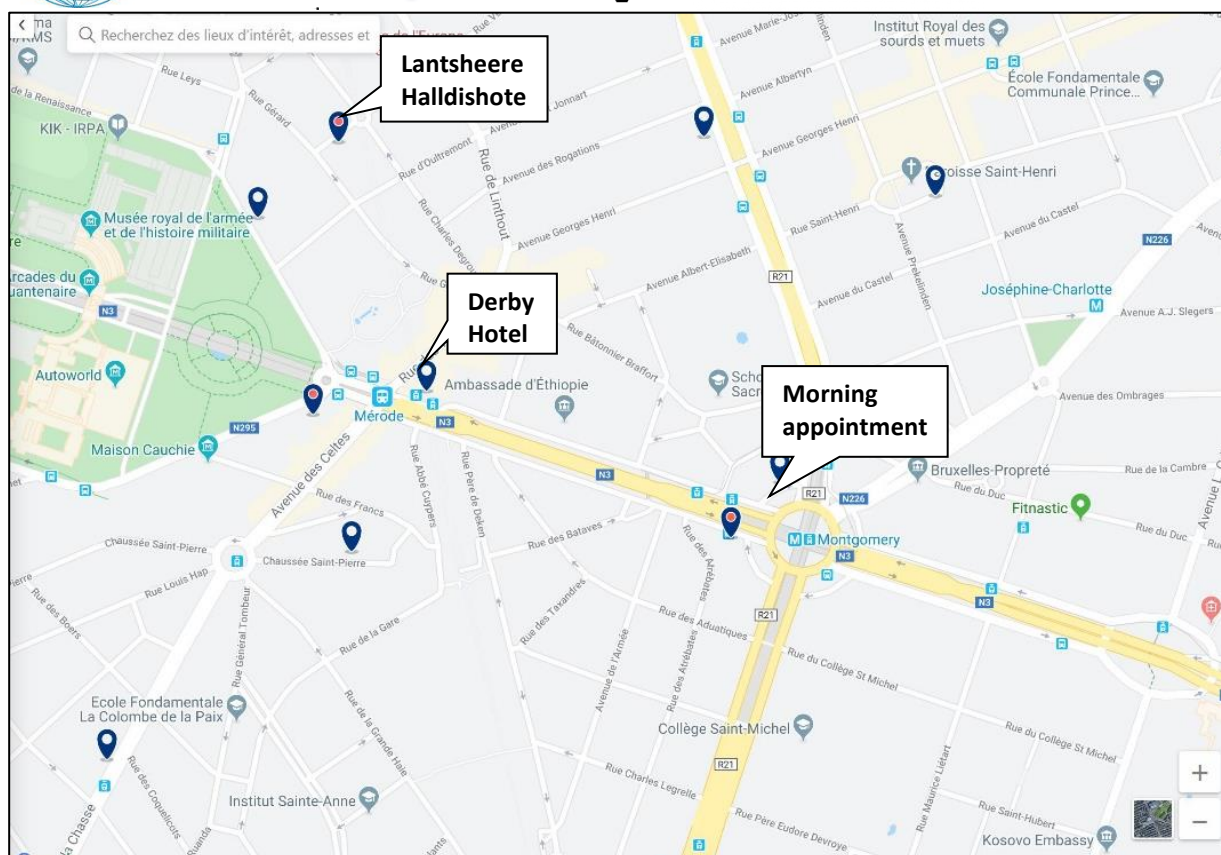
17 registered participants (Manu, Bruno, Christian, Philippe, Nadine, Camille, Romain, Daniel, Igor, Roli, Damien, Thierry, Ender, Blaise, Cédric, Vinciane, Joseph-Martial)

STOPS (to be confirmed):

- Stop 1: Unconformity at Tournavaux (Roche à Corpias)
- Stop 2: Bogny-sur-Meuse, 4 Fils Aymond rock: asymmetric boudinage in Devillian quartzites, slaty cleavage in Revinan slates (Cambrian)
- Stop 3 : Revin : foliation boudinage in Revinian black slates
- Stop 4 : Fepin unconformity
- Stop 5: Waulsortian reefs at Freyr
- Stop 6 : Anseremme / rocher Bayard
- Stop 7 : Synclinal of Profondeville
- Stop 8: Citadelle of Namur (D. Baudet)
- Stop 9: Maredsous

Back to Brussels





-Lantsheere Halldis Apartments (Manu, Christian, Bruno, Philippe, Romain, Nadine, Camille)

Rue Leon de Lantsheere 11, Etterbeek, 1000 Bruxelles,

-Hotel Derby Bruxelles (Blaise, Igor, Cédric, Matthieu, Ender, Roli)

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