

Paleoproterozoic Birimian Geology for Sustainable Development

[Geodynamics and mineralizations of Birimian terrains (West African Craton) for a sustainable development]



IGCP638
Dec. 5-10, 2016
Dakar



INTRODUCTION

The first symposium of the IGCP638 on geodynamics and mineralizations within the West African Craton (WAC) will take place in Dakar on December 5-10, 2016.

It will join together the international scientific community working on the geology of the old formations (Paleoproterozoic) for two (2) days conference and four (4) days field trip. Indeed, one of the working privileged sites for the study of geodynamics in relation to mineralizations of the Precambrian, is the Paleoproterozoic (Birimian) province of West Africa. It represents one of the most vast orogenic areas of the planet. For this IGCP project, the sets of themes will relate to geodynamics, mineralizations, geochemistry, geochronology, geophysics, cartography, lithology, sedimentology, imagery, water and environment (pollution and deforestation related to mines) and other related subjects.

The objectives are to: (i) create a framework of active exchanges between the actors of the field (researchers from academic and mining co., administration); (ii) upgrade and product of scientific knowledge for the update of scholar and high school programs in term of geology of the WAC and facilitate mining exploration; (iii) reinforce the capacity of the participants on the geology of the Kédougou-Kéniéba Inlier (KKI) by means of a 4 days field trip (with possible rock sampling).

Registrations are open online (<http://igcp638.univ-rennes1.fr>)

TENTATIVE SCHEDULE

1- Conference

December 3-4, 2016

Welcome of the participants at LLS airport of Dakar and settling in their hotel and registrations.

December 5, 2016

8-9h: registrations (continuation)

9-9h30: installation of the guests

9h30-11h: protocolar short speeches

11h-12h: visit of the exhibitions and posters, and coffee break.

12h-13h: general session

13h-14h30: meal

14h30-18h: communications and posters session

December 6, 2016

8h-10h: communications and posters session

10h-10h30: coffee break

10h30-13h: communications and posters session

13h-14h30: meal

14h30-18h: communications and posters session

2 - Field trips

December 7, 2016

8h-17h: travel to Kédougou (~700 km from Dakar) with four stops for lunch and relaxation

17h: installation in a hotel of Kédougou (accommodation and dinner included)

December 8, 2016

7h-13h: field trip in the greenstones belt of Mako for observation and description of various lithologies (ultramafic, mafic, intermediate and felsic, etc.) and geodynamic characterization, and associated mineralizations

13h-14h: meal on the field

14h-16h: visit of the Dindiféllou fall

16h-18h: field trip in the sedimentary formations of Dialé for observation and description of various lithologies (marbles, schists, dolerites [sills/dykes], etc.) and geodynamic characterization, and associated mineralizations; visit of a quarry of marble exploitation; observation of the Paleoproterozoic-Neoproterozoic contact

18h-19h: back to the base (hotel or camping), dinner and night

December 9, 2016

7h-13h: excursion in the Paleoproterozoic formations of Dialé-Daléma for observation and description of various lithologies (pelites, sandstones, grauwakes, albitites, andesites, granitoids, iron skarns and hill of Falémé) and geodynamic characterization and associated mineralizations

13h-14h: meal on the field

15h-18h: continuation of the trip on Dialé-Daléma

18h-19h: back to the base (hotel or camping), dinner and night

December 10, 2016

Trip back to Dakar

7h-9h: travel camping of Dialé-daléma towards Mako

9h-12h: visit of the Niokolo-Koba National Park (lions, antelopes, panthers, hippopotamuses, monkeys, etc. can be observed)

12h-14h: meal in a restaurant of the Park

14h-19h: back to Dakar

December 11, 2016

Routing of the participants to the LSS airport of Dakar

or

Visit of the Dakar city and the Tertiary and Quaternary volcanism at the vicinity of Dakar

or

Visit of diatreme (volcanism) and the bedding of channels on the beach of Popoguine (30 mn from Dakar) and of the wildlife Park of Bandia (giraffes, buffaloes, antelopes, warthogs, monkeys and other animals can be observed);

December 12, 2016

Continuation of the routing of the participants to the LLS airport of Dakar

NB: The additional information concerning the detailed transport, accommodation and the scientific program will be specified soon on the website of the IGCP638.