



## Joint IDC 8 -LIPs 8 - Rodinia 2023 Conference

Faculty of Sciences Semlalia and Faculty Sciences and  
Technology-Guéliz <https://marrakech.sciencesconf.org/>



### **Joint International Dyke Conference (IDC 8)-Large Igneous Provinces (LIPs 8)- Rodinia 2023 Conference (Marrakech, Morocco)**

**Pre- Conference Field Trip A (6 days) 29 May- 3 June 2023.**

**The Variscan Belt of Morocco illustrated from the Geology of Jbilets and Rehamna**

**Leaders : Prof. El Mostafa MOUGUINA, Prof. Abderrahmane SOULAIMANI, Prof.  
Nasrddine YOUBI et al., (Cadi Ayyad University, Faculty of Sciences Semlalia)**

The Variscan/Hercynian-Alleghenian Orogenic Belt is one of the largest mountain ranges in the Earth's history. Its evolution is not only large on a spatial scale, but also on a temporal scale, as the geodynamic cycle that formed Pangea lasted over 250 Ma, transitioning from the Cadomian-Pan-African orogenies in the Ediacaran, to the rift-to-drift events in the Cambrian-Ordovician to the closure of several paleo oceans during the Silurian-Carboniferous which, finally, culminated in the amalgamation of Pangea.

The NW Africa Variscan belt is considered as an intraplate orogen, whose emplacement is largely due to the oceanic closure between Gondwana and Laurentia mainly from Carboniferous to Permian.

The 6-days pre-conference field trip (29 May- 3 June 2023) is dedicated to the key points of the geology of the Variscan Azegour, Jbilets and Rehamna massifs.

Regular and voluntary stops at panoramic and cultural attractions are arranged.

#### **1- Programme:**

- **29 May, 2023 Day 1 (J1):** Visean Layered intrusion of Kettara, Permo-Carboniferous granites and post-orogenic Permian dyke swarms (Night in Marrakech City )
- **30 May, 2023 Day 2 (J2):** Mine de Hajjar/Visean section (Night in Marrakech City )
- **31 May, 2023 Day 3 (J3):** Permian Azegour granite and associated dyke swarms/Granite of Had Ras El Ma (Night in Marrakech City )
- **1 June, 2023 Day 4 (J4):** Volcanics and sedimentary successions of the Permian of Mechraa Ben Abbou / Dome of Bled Mekrach (Night in Marrakech City )
- **2 June , 2023 Day 5 (J5):** Magmatism Visean and Paleoproterozoic metagabbros of Lalla Tittaf Formation (Night in Marrakech City )
- **3 June, 15, 2023 Day 6 (J6):** Dome of gneiss of Sidi Ali (end of the field trip)

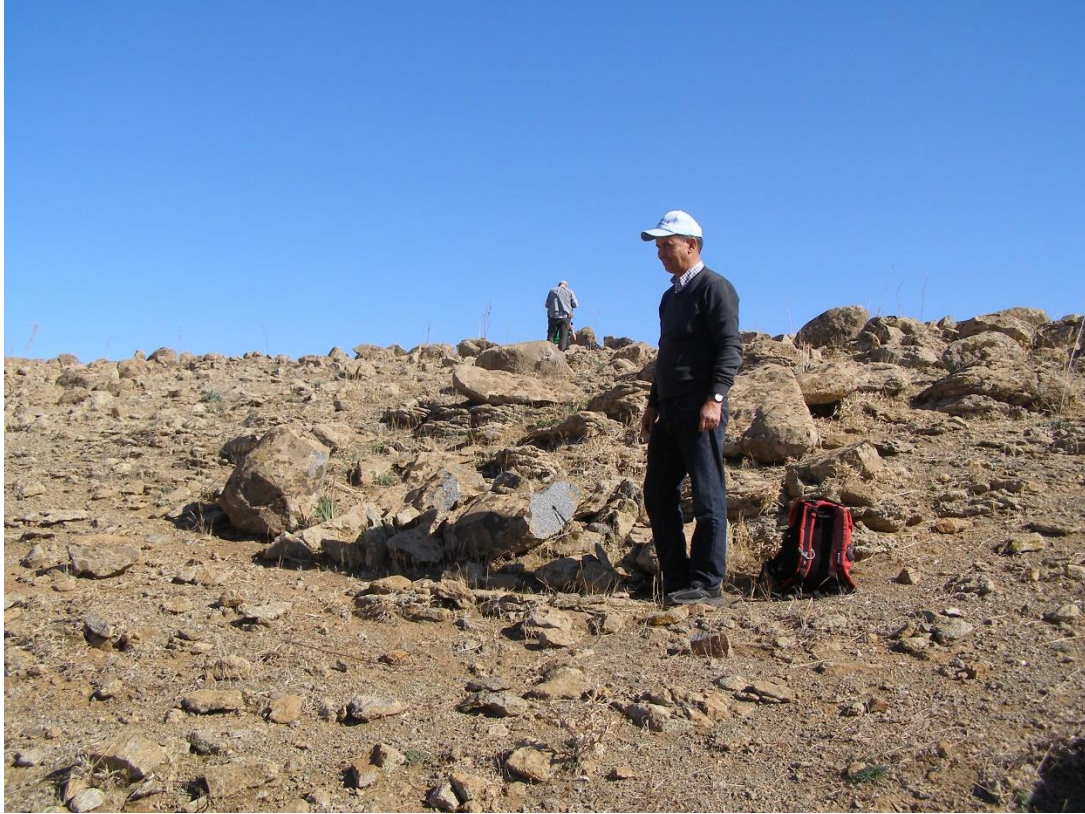
#### **2- Conditions of participation**

fees of the excursion	1100 € /\$
Minimum number of people to do the tour	20 persons
Registration and payment	Online reservation and payment of fees on the 1st day of the congress

### 3- Some pictures



*Plagiogranite (trondhjemite) dyke crosscutting the cumulate peridotites of the Carboniferous Kettara Layered Intrusion (Central Jebilet Massif). The dyke thickness is about 2 m.*



*The Paleoproterozoic metagabbros of Lalla Tittaf Formation (2136±17 Ma). Geologist:  
Prof. Moulay Ahmed Boumehdi and Prof. Ulf Linnemann*



*Hand specimen of the Paleoproterozoic metagabbros of Lalla Tittaf Formation.*



*Permian microgranitic dyke crosscutting the Palaeozoic basement (Azegour Massif).*



*Premian microdioritic dyke crosscutting Permian microgranitic dyke (Azegour Massif).*



*Rhyolite of the Bled Mekrach Dome of the Mechraa Ben Abbou Permian basin (Rehamna Massif)*



*Blocky peperites of the Mechraa Ben Abbou Permian basin (Rehamna Massif)*