

















2nd Annual Meeting of IGCP 735 Marrakesh and Zagora, Morocco





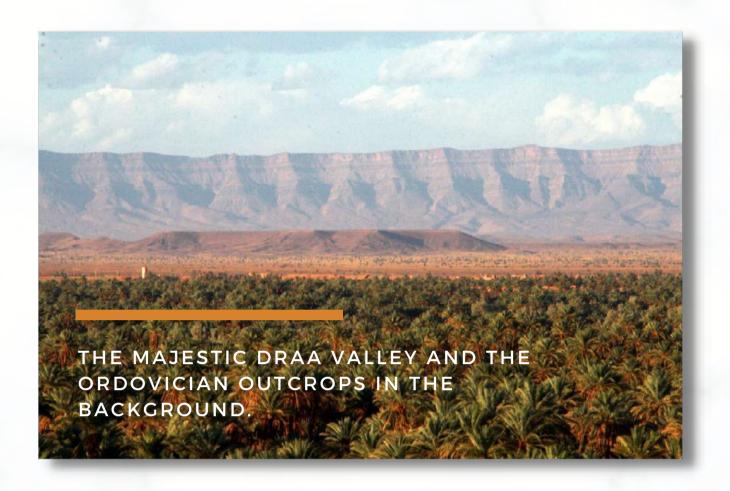


19-24 Oct. 2022









The 2nd Annual Meeting of IGCP 735 in Marrakesh and its associated workshop and field excursion in Zagora will be devoted to:

Filling knowledge gaps in the Early Palaeozoic Biodiversification and « Promoting Geological Heritage »

GENERAL PROGRAMME

Wed. 19 Oct. 2022: registration, opening ceremony, oral and poster sessions

Thu. 20 Oct. 2022: oral and poster sessions, workshop

Fri. 21 Oct. 2022: travel from Marrakesh to Zagora

Sat. 22 Oct. 2022: Workshop Zagora

Sun. 23 Oct. 2022: post-conference field excursion, Zagora Province

Mon. 24 Oct. 2022: travel from Zagora to Marrakesh

IGCP 735 ANNUAL MEETING, MARRAKESH (19-20 OCT. 2022)

The indoor sessions with keynote talks and regular lectures will take place in the new 'Cité de l'Innovation' of Cadi Ayyad University on the Campus. They are scheduled for Wednesday, October 19th and Thursday, October 20th.

Social activities are varied and will include a conference dinner at "Club chez Ali", that will take place on Wed. 19 October. Very interesting visits (by caleche) into the famous Jamaa El Fna Square, the Museum of Water Marrakesh and the Majorelle Gardens are also scheduledat the end of the second day of indoor sessions.



IGCP 735 WORKSHOP AND FIELD EXCURSION, ZAGORA (21-24 OCT. 2022)

A four-days workshop and post-conference excursion will be organized across the Marrakesh High Atlas and Central Anti-Atlas regions. It will be an opportunity to visit localities yielding exceptionally preserved assemblages of the Lower Ordovician Fezouata Biota and Hirnantian tunnel palaeo-vallleys. Regular and volunteer stops for panoramic views and cultural sites will be planned along the geotraverse of the Central High Atlas and Anti-Atlas.

Fri. 21 Oct. 2022: Marrakesh - Zagora via Tizi n'Tichka and Agdz. Geotraverse of the Central High Atlas and Anti-Atlas.

- Stop 1: panorama of the Marrakesh High Atlas from the Haouz plain (31.5631° N, 7.7101° W)
- **Stop 2:** middle Cambrian-Lower Ordovician transition at Tichka Pass (High Atlas) (31.2869° N, 7.3812° W)
- **Stop 3:** Late Neoproterozoic stromatolitesat Aït Saoune (Central Anti-Atlas) (30.7925° N, 6.7219° W)
- Stop 4: panorama (Jbel Kissane and Anti-Atlas), north of Agdz (30.7071° N, 6.5922° W)
- Stop 5: Cambrian Brèche à Micmacca at Ourika Wawrmas (30.7259° N, 6.5315° W)
- **Stop 6:** Sunset on Draa Valley (30.3979° N, 5.8624° W)

Night in Zagora

Sat. 22 Oct. 2022: workshop in Zagora

The aim of this workshop is to bring together, through discussions and oral presentations, scientists, the Geoparks, and the local civil society, decision-makers and representants from the city.

Night in Zagora

Sun. 23 Oct. 2022: workshop in Zagora

- **Stop 1 (morning):** Hirnantian glacial deposits at Tizi n'Beni Sâlmane (GPS : 29.8995°N, 5.6178°W)
- Stop 2 (afternoon): Fezouata Shale Lagerstätte, Ternata Plain

Mon. 24 Oct. 2022: Zagora-Marrakesh via Aït Ben Haddou (UNESCO World Heritage Site)

- Stop J3.1: Taourirt Kasbah
- Stop J3.2: Ouarzazate Studio-Museum
- Stop J3.3: Lunch at Ksar of Aït Ben Haddou: UNESCO World heritage

Marrakesh: end of the field excursion

REGISTRATION FEES AND PAYMENT

The 2ndAnnual Meeting of IGCP 735 (Filling knowledge gaps in the Early Paleozoic Biodiversification and Promoting Geological Heritage) in Marrakesh and associated workshop and field excursion in Zagora are planned to be meetings in the spirit of the UNESCO, with low registration costs, in particular for attendants from developing countries and students, including all receptions and lunches during the indoor sessions.

ITEMS	PARTICIPANT CATEGORY	FEES
Conference registration	Full participants	• 350 €
	Student	• 150 €
Workshop & field excursion	All participants	• 490€

*Note that registration should be completed through the website of the meeting: http://ens-marrakech.ac.ma/projets/igcp735/

The total amount of registration fees will be given the registration is completed. The payment should be made by bank transfer (please do not forget to specify your name, when transferring money) to:

NAME OF BENEFICIARY: ASS FONDATION ATLAS DARK SKY

ACCOUNT NUMBER: 145450211163061036001413

PHONE NUMBER: +212 524308675

BANK NAME: Banque Populaire, MOULAY ABDELLAH Agency

SWIFT ADRESS CODE: BCPOMAMC

BANK ADRESS: RESIDENCE TAIBA IMM. B1, BD. MLY ABDELLAH

MARRAKECH, MOROCCO

Oral ternatively, on site, at the meeting. Please send by email the receipt of yourbanktransfer to: igcp735@uca.ac.ma. Credit card payment is not available.

CONFERENCE PUBLICATIONS

A volume of extended abstracts (conference proceedings) is planned to be published in the Journal of the Academy of Sciences and Technics Hassan II (both are regular journals with ISSN number).

A guide book of the excursion will be distributed to the participants of the workshop and field excursion in Zagora.

One or two special volume(s) in Journal of the Academy of Sciences and Technics Hassan II and/or in the Bulletin de la Société Géologique de France (BSGF) are scheduled (both journals are indexed). More informations soon.

IMPORTANT DATES

- 22 December 2021: Distribution of First Circular
- 7 February 2022: Opening of conference website for information and registration (http://ens-marrakech.ac.ma/projets/igcp735/)
- 20 March 2022: Distribution of Second Circular
- 1 May 2022: Deadline for extended abstracts submission on the website of the conference (http://ens-marrakech.ac.ma/projets/igcp735/) or by e-mail to: igcp735@uca.ac.ma
- 20 May 2022: Deadline for MS submission
- 15 September 2022: Distribution of Third (last) Circular

GENERAL INFORMATION

The International Geoscience Programme (IGCP) serves as a knowledge hub of UNESCO to facilitate international scientific cooperation in the geosciences. The IGCP mission includes promoting sustainable use of natural resources, advancing new initiatives related to geo-diversity, geo-heritage and geohazards risk mitigation.

https://youtu.be/0Esw4SQrs9k

Since 1972, the International Geoscience Programme (IGCP) has worked in partnership with the IUGS to bring together thousands of Earth scientists from around the world and allowed them to benefit from the cooperative spirit generated under the umbrella of UNESCO.

Deciphering the complex interactions between climate change, biodiversity and ecosystem structuration is a major societal issue for future generations. The geological record offers the unique opportunity to document the impact of environmental changes in the biosphere in the past, and thus to provide some clues for the future. In this context, the Early Palaeozoic is probably one of the most critical intervals to document such interactions between biotas and the Earth system.

This interval embraces major evolutionary events such as the Cambrian Explosion and the Great Ordovician Biodiversification Event, but also major shifts in climate with a dramatic impact on the biosphere. Recently, the development of large-scale collaborative palaeontological databases promoted high-resolution analyses of biodiversity patterns, which could be compared with different environmental proxies. However, most available data are so far strongly biased towards some geographic areas (Europe, North America) and time intervals (lower-middle Cambrian, Middle-Upper Ordovician).

Through a multidisciplinary approach, and in close collaboration with the International Sub-commission on Ordovician Stratigraphy, the project aims at filling the numerous knowledge gaps in most regions of the world (e.g. Africa, Asia and South America), with a special focus on less-documented time intervals (e.g. late Cambrian to Early Ordovician).

The 2022 Marrakesh Annual Meeting 'Filling knowledge gaps in the Early Palaeozoic Biodiversification and "Promoting Geological Heritage" will attempt to fill some of the gaps in the currently available datasets. In collaboration with the Subcommission on Ordovician Stratigraphy (SOS), it is planned to provide the most complete picture of Ordovician data from all regions of the world, and for all fossil groups.

A post-conference field trip to Zagora-M'Hamid, Anti-Atlas, Morocco, is scheduled from Friday to Tuesday, October 21th-23th. A special event is scheduled to take place in Zagora, which will host civil society, decision-makers and local representatives from the city and Geoparks.

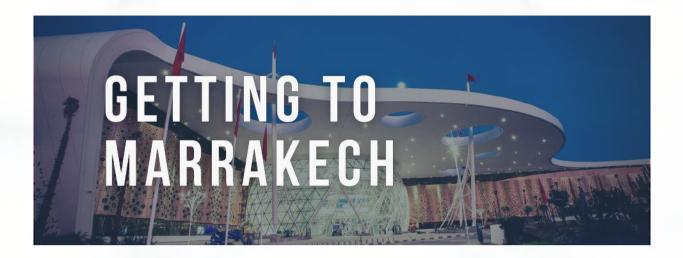
Social activities are varied with a conference dinner at « Club Chez Ali » that will be organised on Wednesday, October 19th. Very interesting visits are scheduled at the end of the second day of the indoor sessions, at the « majestic Jamaa El-Fna Place », ...by «calèche», the Museum of water Marrakesh, « Majorelle Gardens »...











Marrakesh is the fourth largest city and one of the four Imperial cities of Morocco. Marrakesh is also the capital of the Marrakesh-Safi region. The city is situated west of the foothills of the Atlas Mountains.

Marrakesh was founded in 1070 as the imperial capital of the Almoravid Empire. The Almoravids stablished the first major structures in the city and shaped its layout for centuries. The red city walls and various buildings constructed with red sand stones afterwards have given the city its nicknames of the "Red City" or "Ochre City". The old city of Marrakesh (medina) is a UNESCO World Heritage Site. Today, itis one of the busiest cities in Africa and it serves as a major economic center and touristic destination.

https://www.visitmorocco.com/en/travel/marrakesh

Marrakesh is served by the Menara International Airport and by the Marrakesh railway station, which connects the city to Casablanca and northern Morocco.



USEFUL INFORMATION

ACCOMMODATION

Each participant is responsible for his/her own hotel accommodation. Marrakesh has a very wide range of hotels and other types of accommodation such as youth hostels and guest houses. We advise you to make your booking through recognized websites such as www.booking.com. It is strongly recommended to choose an accommodation close to the event location.

We suggest the following nearby hotels:

Le Sémiramis : located at about 850 m from the Faculty of Science and Technology of Marrakesh. Hotel's website.

Mogador Opera Marrakech: located at about 1,8 km from the Faculty of Science and Technology of Marrakesh. <u>Hotel's website</u>.

Imperial Plaza: located at about 250 m from the Faculty of Science and Technology of Marrakesh. Hotel's website.



DOCUMENTS AND REQUIREMENTS TO ENTER MOROCCO

Each visitor to Morocco must have a valid passport and a visa, if required. Foreign participants whose countries are subject to visa requirements should contact the Moroccan Embassy or Consulate in their country. Be sure to allow sufficient time to apply for your visa before your departure date.

Here is the list of countries whose nationals are exempted from the visa to enter Morocco on this <u>link</u>.

Due to the current sanitary conditions related to COVID-19, travelers have access to The Moroccan territory, under certain conditions, if they have a vaccination pass or a negative PCR test at least 48 hours before the date of entry into Morocco. The conditions of access to the Moroccan territory change according to the country of origin. We recommend that you check with the Moroccan embassy in your country before traveling. It should also be noted that the conditions of access to Morocco maybe updated regularly and at very short notice.

The directory of Moroccan embassies in the world can be found on this link.

Airlines may require additional formalities, we also recommend that you check the conditions of travel on their flights, directly on the website of each carrier.

YOUR ARRIVAL TO MARRAKESH

Participants can take direct flights from their home countries to Marrakesh-Menara Airport or make a stop-over at Mohammed V International Airport in Casablanca.

The Marrakesh-Menara airport is located approximately 6 km south of the city center. To get to the hotel you can take bus 19 to the city centre and then take a cab to your hotel. You canal so take a cab directly from the airport to your hotel.

Do not hesitate to contact your hotel, they may offer free shuttle services or at negotiated rates.

It is recommended to have a small amount of cash (500 MAD) with you upon arrival, or to have Euros or Dollars. Cabs and buses do not accept credit cards.

It should be noted that the current pandemic situation makes it mandatory to wear a mask at the airport and on public transportation.

SANITARY MEASURES

Wearing a mask remains mandatory throughout the Kingdom of Morocco. The vaccination certificate is required for access to all enclosed areas: hotels, cafes and restaurants, movie theaters,

Everyone is required to comply with the mandatory measures provided for under the state of emergency, under penalty of sanctions provided for in the penal code. It is advisable to respect the instructions of the Moroccan authorities.

MONEY

The local currency is the Moroccan dirham (MAD): **1 USD = 9 MAD** and **1 Euro = 11MAD** (approximately).

You can find the current exchange rate on websites such as :

https://countryeconomy.com/currencies/morocco https://www.xe.com/currencyconverter/convert/?Amount=10&From=USD&To=MAD

OTHER DETAILS

- The electrical outlets used in Morocco are two-pin and operate on 220V/55Hz. Adapters are hard to find, so it is best to bring your own.
- October in Marrakesh is mostly sunny. Average rainfall is 21 mm, with 29 days without rain. Minimum temperatures average 17°C and maximums 28°C.
 Temperatures are generally cool in the morning and evening and warmer during the day.
- The average temperature in October in Zagora is 20°C and the average rainfall is 13 mm. At night, temperatures drop to 13°C and during the day they can reach 27°C.
- It is recommended that participants to the excursion bring all the necessary equipment for a field trip (shoes, hammer, magnifying glass, ...).
- Participants are also asked to inform the organisers in advance of any medical or dietary problems they may have.

PLACES TO BE VISITED



SCIENTIFIC COMMITTEE



CANDELA, YVES (EDIMBOURG, ROYAUME-UNI)



DALEY ALLISON (LAUSANNE, SUISSE)



HARPER DAVID (DURHAM, ROYAUME-UNI)



EL ALBANI, ABDERRAZAK (POITIERS, FRANCE)



EL HARIRI, KHADIJA (MARRAKECH, MAROC)



GHIENNE, JEAN-FRANÇOIS (STRASBOURG, FRANCE)



GHOBADI POUR, MANSOUREH (GORGAN, IRAN)



GUTIERREZ-MARCO, JUAN CARLOS (MADRID, ESPAGNE)



LEFEBVRE, BERTRAND (LYON, FRANCE)



ORTEGA
HERNANDEZ,
JAVIER
(CAMBRIDGE,
ETATS-UNIS)



RAEVSKAYA, ELENA (SAINT-PETERSBOURG, RUSSIE)



SERVAIS, THOMAS (LILLE, FRANCE)



TINN, OIVE (TARTU, ESTONIE)



WAISFELD, BEATRIZ (CORDOBA, ARGENTINE)



WANG, WENHUI (CHANGSHA, CHINE)

ORGANIZING COMMITTEE



AZIZI,
ABDELFATTAH
(MARRAKECH,
MAROC)



BENNANI, OUMAIMA (MARRAKECH, MAROC)



BELAQZIZ, MOHAMMED (MARRAKECH MAROC)



BOUGADIR, BELAID (MARRAKECH, MAROC)



CANDELA, YVES (EDIMBOURG, ROYAUME-UNI)



CHAYEB, FATIHA (MARRAKECH, MAROC)



EL ALBANI, ABDERRAZAK (POITIERS, FRANCE)



EL HARIRI, KHADIJA (MARRAKECH, MAROC)



FRANÇOIS (STRASBOURG, FRANCE)



GUTIERREZ-MARCO, JUAN CARLOS (MADRID, ESPAGNE)



HACHAD, NADIA (MARRAKECH, MAROC)



LEFEBVRE, BERTRAND (LYON, FRANCE)



SOULAIMANI, ABDERRAHMANE (MARRAKECH, MAROC)



TAOURIRTE MOHA (MARRAKECH, MAROC)



WITAM, OMAR (MARRAKECH, MAROC)

ROCKS N' ROL'S ANNUAL MEETING OF IGCP 735 - 2ND CIRCULAR

CONTACT INFORMATION

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EVENT'S WEB SITE:

http://ens-marrakech.ac.ma/projets/igcp735

MARCH 2022

OFFICIAL EVENT PARTNERS









