



WGAAL2023

International Workshop on  
Geosciences

in Active Areas

Lanzarote, 16-20 October 2023

Canary Islands - Spain

1<sup>st</sup> Circular

We are pleased to announce the **INTERNATIONAL WORKSHOP ON GEOSCIENCES IN ACTIVE AREAS**, which is organized by the Institute of Geosciences (IGEO, CSIC-UCM) and the House of Volcanoes in Lanzarote (HoV, CIL). The workshop is supported by the International Union of Geodesy and Geophysics (IUGG), the International Association of Geodesy (IAG) and the International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI).

#### **WORKSHOP**

The workshop aims to gather scientist from a wide range of Earth's science disciplines (such as geophysics, geodesy, geology, seismology, volcanology, geochemistry, geomicrobiology, rock mechanics and tectonics) to exchange of

ideas on a broad range of topics focused on volcanic and seismic active areas of the Earth.

### **PRELIMINARY SCIENTIFIC PROGRAM AND SESSIONS**

Several sessions will be arranged. Any contributions to the general subject are welcome. The main topics (although not restricted to) are:

- Geosciences applied to study of volcanic, tectonic and geodynamic processes of the Earth
- Space and ground based geodetic and geophysical techniques in Earth Sciences. Monitoring and imaging volcanic and tectonic active areas
- Potential fields, geophysical exploration and georesources in active areas
- Structural geology of volcanic regions and tectonic active areas
- Seismicity in active volcanic areas
- Risk management and hazard assessment in volcanic and seismically active areas
- Geomorphology, geomicrobiology and geological heritage in volcanic areas

### **CALL FOR ORAL PRESENTATIONS AND POSTERS**

The workshop will be held from Monday, October 16 to Friday, October 20, 2023. We kindly invite you to give oral and poster presentations during the workshop. Talks should be limited to 10 + 5 min duration. Posters will be on display during the whole workshop. You may also have more than one presentation. Please email the title and authors of your presentation(s) using the registration form, and give your preference of presentation as follows (talk, poster). In the next circular, important dates (abstract and early registration opening, abstract deadline, registration closure) will be yielded.

Presenters will be required to submit 4-page proceedings papers for each contribution prior to the workshop. The papers will be published by the Publications Service of the Cabildo Insular de Lanzarote with peer review process and ISBN.

### **ABSTRACT SUBMISSION AND REGISTRATION**

The abstract submissions and online registration will be hosted at the website <https://wgaal2023.csic.es/>. More instructions, registration fee and proceedings submission will be announced in next Circular.

### **GENERAL INFORMATION**

The Canary Islands archipelago is located in the North Atlantic Ocean between 27° to 29.5°N latitude and 18.5° to 13°W longitude, about 100 km west of the

African continent. The archipelago is comprised of eight volcanic islands (El Hierro, La Palma, La Gomera, Tenerife, Gran Canaria, Fuerteventura, Lanzarote and La Graciosa) and various smaller islets, spread along a ~500-km-long W–E trend on the Africa plate. The Canary archipelago is volcanically active and each island has independent history and starting activity at different times. The last eruption occurred on La Palma in 2021. The island of Lanzarote is located to the northeast of the archipelago, about 140 km off the Moroccan coast. Although the last volcanic activity there was in 1824, the most relevant eruption in the island took place during 1730 to 1736, giving rise to numerous volcanic cones and extensive lava flows. The climate in Lanzarote is arid with little rain that falls mainly in winter. The average temperature in October is of 23 degree Celsius. For more general information about WGAAL2023 please visit the website.

### **LOCAL ORGANISING COMMITTEE**

Arnosó, José (Chair) (IGEO-CSIC)

Arranz, Jaime (HoV)

Brandon, Rainero (CIL)

García-Romero, Emilia (IGEO-UCM)

Vélez, Emilio (Chair) (IGEO-CSIC)

### **VENUE**

The workshop will be held in a centre located at *Islote de Fermina* (<https://cactlanzarote.com/en/centre/islote-de-la-fermina/>), an islet that can be reached via 175 m long bridge next to Gran Hotel, situated in the city of Arrecife, the capital of Lanzarote Island.

### **FIELD TRIPS**

The workshop program includes a guided visit to the Geosciences Laboratory of Lanzarote and to the National Park of Timanfaya.

### **USEFUL INFORMATION FOR YOUR TRIP TO LANZAROTE**

Practical information: <https://turismolanzarote.com/en/plan-your-trip/practical-information/#1504779938475-ab00261f-f461>

General information: <https://turismolanzarote.com/en/discover-lanzarote/>

### **ACCOMMODATION**

It will be provided information in next Circular.

## CONTACT

Please, send you general inquiry to [info@wgaal2023.csic.es](mailto:info@wgaal2023.csic.es)

The dedicated <https://wgaal2023.csic.es/> will regularly include more information and updates.

Feedback is also welcome.

## ORGANIZERS



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