

5TH SERPENTINEDAYS 2024



23 - 25 SEPTEMBER 2024, GRANADA, SPAIN

Serpentinites fascinate with the variety of important processes they are involved in. We invite researchers from any discipline to share their results about serpentinites, including field-work, scientific drilling projects, petrology, geochemistry, geo-microbiology, experiments, mechanical and microstructural studies, thermodynamic/numerical modelling, innovative applications or any other approach.

Venue: Carmen de la Victoria, Cta. del Chapiz 9, 18010 Granada, Spain

Topics

Serpentinization, fluids and life

Serpentinite-hosted hydrothermal systems are important sites of (bio-)geochemical cycling and may have fostered the emergence of life. We welcome studies about any active or fossil serpentinization settings such as the ocean floor, hyperalkaline springs, or extra-terrestrial.

Physical properties of serpentinites

Understanding the physical properties of serpentinites (e.g., rheology, magnetism, etc.) is fundamental to predict the mechanical consequences of peridotite alteration in different tectonic contexts, like oceanic transform faults, oceanic core complexes, passive margins, and during subduction and ophiolite obduction.

Serpentinite in subduction zones

Due to their high volatile content serpentinites play a pivotal role in subduction zones. We will address topics such as high pressure devolatilization, long-term geochemical cycling, redox fluxes, deep fluid flow mechanisms, and mantle wedge hydration.

Serpentinite and society

Various aspects of serpentinites are highly relevant to society, including their role in H₂ production, CO₂ storage, sulphide and metal mineralization, and as a potential geohazard.

Keynote Speakers

Frieder Klein

Woods Hole Institute of Oceanography, USA

Anne-Line Auzende

ISTERRE Grenoble, France

Atsushi Okamoto

Tohoku University, Japan

Greg Dipple

University of British Columbia, Canada

Field Trips

(optional, limited capacity)



Field trip 1

Low-T serpentinization

Ronda peridotite

21 - 22 September 2024



Field trip 2

Serpentinite subduction

Almirez massif

26 - 27 September 2024

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Important Dates

15 January - 15 February 2024

Pre-inscription

15 March 2024

Communication of acceptance, 2nd circular

01 April 2024

Registration deadline

01 June 2024

Abstract deadline

Registration Fees and Procedure

Registration for the meeting will be about 325 €, which includes conference material, icebreaker, lunch and coffee breaks. Field trips are not included. The characteristics of the venue limit the number of participants to 65. In case of more interest, participants will be selected by the committee with a focus on scientific quality and to assure a good mix of topics, personal backgrounds and career stages.

Travel, Accommodation & Climate

Granada can be reached via the international airport of Malaga (2 hrs from Granada by public transport), the domestic airport of Granada, or by high-speed train. Granada offers a wide range of hotels and tourist accommodations. A number of shared rooms with full board for early-career researchers have been secured for a discount fee at Carmen de la Victoria.

You can expect warm and sunny weather around these days, but without the summer heat typical for July and August.

Organizing/scientific committee

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