IN COLLABORATION WITH

PROTEZIONE CIVILE
Presidenza del Consiglio dei Ministri
Dipartimento della Protezione Civile

International School of Volcanology

"Working on active volcanoes: learning the tools of modern volcanology"

Field observations, data acquisition, reporting and response

Aims

The Aeolian Islands are one of the best-known places for studying volcanic geology and activity. Spectacular basaltic explosions occurring continuously at Stromboli has made the island the target of many international experiments which have driven the way volcanologists are working today and have made the island one of the best volcano-laboratories in the world. At Lipari and Vulcano, perfectly-exposed outcrops and continuous gas emissions represent a unique opportunity to observe the variability of volcanic activity styles, from fumarolic through effusive to explosive; from Vulcanian to Plinian eruptions, and from basaltic to rhyolitic activity.

Students will be introduced to the state-of-the-art of physical volcanology, remote sensing, geophysics and geochemistry as carried out at active volcanoes, from tephra studies to instrumentation, data acquisition and processing, to application of data for reporting, monitoring and communication duties. Volcanological studies and monitoring tools will be integrated to define eruptive dynamics and volcanic alert levels. Moreover, there will be a specific focus on volcanic risk management procedures, with a practical example on how scientists and decision makers interact during a crisis.

Organization

The school is organized with short lectures and field applications. The school is strongly field-based, where lectures and discussion on volcano dynamics, and the use of the instruments, will be made in a hands-on manner rather than in theory. Multi-parametric experiments and outcrop observations will be carried out during the school and used to support learning through implementation.

Further details on application procedure and school program will be available in the second circular and on the AIV website (www.aivulc.it) - Official contact: school@aivulc.it

Target

The target of the school will primarily PhD students and Early Career Scientists, especially those with observatory experience.

Maximum number of participants: 20

When

15–23 June 2024

Where

Venue: Lipari, Aeolian Islands (Hotel Filadelfia)

Measurement trips: Vulcano and Stromboli

https://www.youtube.com/watch?v=7xeZ8NvsKss

Fees and registration

There is no registration fee & full board is provided for the duration of the program

Application deadline: **20th Feb 2024**

Participant selection: **20th Mar 2024**

Confirmation and program: **20th Apr 2024**

Organizing commitee

Andrew Harris	(University Clermont Auvergne)
Marco Pistolesi	(University of Pisa)
Guillaume Boudoire	(University Clermont Auvergne)
Dario Delle Donne	(INGV-OV)
Giorgio Lacanna	(University of Florence)
Lydie Gailler	(University Clermont Auvergne)
Diego Coppola	(University of Turin)
Giancarlo Tamburello	(INGV-Bologna)