



In partnership with:



UNIVERSITÀ DI PISA

Università degli Studi di Palermo

INTERNATIONAL SCHOOL OF VOLCANOLOGY

“Working on active volcanoes: learning the tools of modern volcanology”

Field observations, data acquisition, reporting and response

17 June – 24 June, 2023: Lipari, Vulcano and Stromboli (Aeolian Islands, Messina)

Venue: Hotel Filadelfia, Lipari: <https://www.lafiladelfia.it/>

Duration: 7 days

Dates: Saturday 17 June – Saturday 24 June 2023

Organizing Committee:

Andrew Harris	(Université Clermont Auvergne)
Marco Pistolesi	(Università di Pisa)
Alessandro Aiuppa	(Università di Palermo)
Guillaume Boudoire	(Université Clermont Auvergne)
Dario delle Donne	(INGV - Osservatorio Vesuviano)
Giorgio Lacanna	(Università di Firenze)
Lydie Gailler	(Université Clermont Auvergne)

IMPORTANT DATES

Application deadline:	31 January 2023
Participant selection:	28 February 2023
Confirmation and final program:	17 April 2023

APPLICATION PROCEDURE

Please submit (in PDF format) the following:

1. A statement of interest giving your background relevant to the school and arguing why attendance of the school will be to your benefit (**max. 1 page**);
2. A current CV (**max. 1 page**);
3. Completed registration form (available at www.aivulc.it);
4. A statement of health and fitness (see below).

Documents need to be saved as follows: SURNAME_christian-name_<Document-type>.pdf

For example: BRADFORD_Geoff_Cover-Letter.pdf

Send the application package to school@aivulc.it with the Subject line:

Stromboli Summer School application 2023 – SURNAME Christian name

Deadline for applications is midnight (CET) 31 January 2023. All four documents must be included for the application to be considered.

PROVISIONAL PROGRAM

Day 1 Saturday 17 June (Lipari)

*Arrival and check-in, introductory sessions in the afternoon
(Ice-breaker)*

Day 2 Sunday 18 June (Lipari)

*General Geology, petrology & geochemistry of the Aeolian Islands
(Visit to the deposits of Lami/Monte Pilato)*

Day 3 Monday 19 June (Lipari-Vulcano)

*Introduction to volcano geophysics and gas chemistry
(Measurements at the Vulcano beach fumaroles)*

Day 4 Tuesday 20 June (Stromboli)

*Tsunami hazard and risk on an island volcano: monitoring and response (case: Stromboli)
(Installation of seismic array on Stromboli)*

Day 5 Wednesday 21 June (Stromboli)

*Hazard and Risk on an island volcano
(Recovery of the Stromboli seismic array)*

Day 6 Thursday 22 June (Vulcano)

*Eruption scenarios at Vulcano
(Gas and thermal measurements at the crater)*

Day 7 Friday 23 June (Lipari)

*Activity reporting and alert levels
(Civil Protection game)*

Day D Saturday 24 June (Departure)

GENERAL INFORMATION

Note that this summer school is designed for final year (graduated) Master's students, PhD students and Early Career Scientists

1. Language

The official language will be English.

2. Registration Fees

Our intention is to cover accommodation during the school (7 nights), as well as breakfast and evening meals, plus boat and bus fares during the school. The only fees will be:

- €15 for AIV membership (new or renewed membership);
- Lunch (pic-nic) every day;
- Transport to reach/leave Lipari at the beginning/end of the school.

Participants will have to fund their travel, and any costs incurred along the way, to and from Lipari

3. Accommodation

Classes will be held at the Hotel Filadelfia in Lipari. Accommodation will be in triple or quadruple rooms in the Hotel Filadelfia. Those with special accommodation requirements are kindly requested to inform the Organizing Committee at school@aivulc.it

The hotel is centrally located with a supermarket, bakery, *tavola calda* and other shops within a 2–5 minute walk. There is a hardware store next door, plus a post-office and bank machines (on the international circuit) within the same distance

4. Check-in.

Registration and the welcome reception will start at 7:00 am on Saturday 17 June this being the arrival time of the first boat from Sicily (more information will be provided once admission is confirmed).

5. Travel

Most international travelers reach Stromboli island from Catania (Sicily) or Naples (Campania). An overnight ferry connects Naples to Naples (car ferry: <https://carontetourist.it/it/siremar>). There is a local bus from Catania airport to Milazzo harbour (<https://giuntabus.com>) or a private taxi service (<http://www.alibrando.net/en/book-your-transfer/>). Hydrofoil and ferry services connect Milazzo to Lipari (hydrofoil: <https://www.libertylines.it/orari-tariffe.php>; ferry: <https://www.traghettilines.it>). A hydrofoil service also runs from Messina, which is also linked to Catania airport by bus.

6. Clothing

Participants must have the equipment normally used by geologists to work on volcanoes. Suitable mountain boots are mandatory. Enough clothing adequate for any weather changes, jacket for cold conditions, wind-proof and rain-proof jacket, sun glasses, sun hat/cap and sunscreen are also necessary. Swimming or ski goggles are useful in the event of high winds which can carry ash, plus a torch/head lamp and batteries.

HEAT AND SUN WILL BE THE MAIN ISSUE, WHERE TEMPERATURES MAY BE AT-LEAST IN THE MID-30'S AND THERE IS LITTLE SHADE, ESPECIALLY ON VULCANO.

Thus be prepared for very hot conditions and work under the sun. *If you have problems with working in such conditions we recommend that you do not apply for the school.*

7. Number of participants

Maximum number of participants admitted: 20–25

SELECTION CRITERIA

Admittance to the school is dependent on submitting the full application package to school@aivulc.it by midnight (CET) of 31 January 2023.

Should the application number exceed the places available, the organizing committee will make a selection on the basis of the application.

The candidate / applicant must meet at-least one of the following criteria:

- ✓ Have a basic knowledge in the principles of geophysics, geochemistry, petrology, remote sensing and physical volcanology, and their application to constrain volcano eruption dynamics;
- ✓ Be currently in, or preparing for a future in, volcano science, especially research or roles contributing to surveillance and monitoring, and/or hazard assessment, risk analysis or disaster management.

Considering the advanced level of the school, all participants should also:

- ✓ Be at the PhD, post-doc or early career scientists (within 6 years of PhD) level; applications of Graduate or MSc students may be considered in case of available positions;
- ✓ Have a level of English sufficient to allow participation in discussions within a multicultural and multilingual group.

Applications must be in English.

These requirements must be met through a one page statement of interest supported by a one page CV that demonstrates that the qualification criteria are met. The CV must include a listing of all courses taken (and level: undergraduate, master's, PhD, summer school...), field work completed and course teachers and project supervisors.

The candidate must also complete a statement as to level of fitness, which needs to be suitable to complete a 400 m ascent in about less than one hour carrying a load. The candidate must also be capable of working in hot, sunny, shade-free conditions.

For further information please contact the Organizing Committee at school@aivulc.it