

INTERNATIONAL SCHOOL OF VOLCANOLOGY 2026

TEPHRA

Training in Eruptive Processes, Hazards and Risk Assessment

Naples, 22–26 October 2026

AIV Associazione Italiana di Vulcanologia

ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA

IAVCEI

Programme

Naples, Italy | 22-26 October 2026
Venue: INGV - Osservatorio Vesuviano

This is the final programme, subject to minor changes.

School activities will take place from 22 to 26 October 2026, concluding with the closing dinner on 26 October. Accommodation includes the night of 26 October, with departure on 27 October.

ORGANIZING COMMITTEE

Roberto Isaia (INGV - Osservatorio Vesuviano)
Ilenia Arienzo (INGV - Osservatorio Vesuviano)
Federico Di Traglia (INGV - Osservatorio Vesuviano)
Alessandro Vona (Università di Roma Tre)
Tullia Uzzo (INGV - Osservatorio Vesuviano)

Day 1 - Thursday 22 October

Morning

10:00-10:30 Registration and welcome
Organizing Committee and Dr. L. Pappalardo, Director of the Vesuvius Observatory

10:30-11:00 Introduction to the school and overview of the programme
Prof. A. Vona

11:00-12:00 Participant introductions
2-3 minutes per participant

12:00-13:00 Volcanic hazard and risk in the Neapolitan area
Dr. R. Isaia

13:00-14:30 Lunch

Afternoon

14:30-16:30 Lectures

Pyroclastic deposits as a key to interpreting explosive volcanic processes - *Prof. G. Giordano*

Secondary processes in volcanic settings - *Dr. F. Di Traglia*

Petrological monitoring and tephra geochemistry - *Dr. I. Arienzo*

16:30-17:30 Coffee break and poster session

17:30-18:30 Visit to the laboratories of the Vesuvius Observatory Research Infrastructure and the surveillance room
Dr. I. Arienzo, Dr. G. Buono, Dr. D. Sparice, Dr. R. Isaia and Dr. L. Pappalardo

Day 2 - Friday 23 October

Field trip

Field trip leaders: Prof. G. Giordano, Dr. G. González and Dr. R. Isaia

Morning: Large eruptions and PDC dynamics at Campi Flegrei - proximal facies

Afternoon: Large eruptions and PDC dynamics at Campi Flegrei - distal facies

Day 3 - Saturday 24 October

Field trip

Field trip leaders: Dr. R. Isaia, Dr. F. Di Traglia and Dr. D. Sparice

Morning: The Campi Flegrei caldera: recent volcanism and its relationship with episodes of unrest

Afternoon: The Museum of the Osservatorio Vesuviano and the Vesuvius crater

Day 4 - Sunday 25 October

Field trip

Field trip leaders: Prof. R. Sulpizio, Dr. D. Doronzo and Dr. A. Falasconi

Morning: Pyroclastic fallout and flows associated with Plinian and sub-Plinian eruptions

Afternoon: Lahar deposits and the Herculaneum archaeological site

Day 5 - Monday 26 October

Morning - Lectures

09:00-09:45 Geographical data analysis and processing
Dr. M. Bisson

09:45-10:30 PDC hazard assessment
Prof. R. Sulpizio

10:30-11:00 Coffee break

11:00-11:45 Lahar hazard assessment
Dr. D. Doronzo

11:45-12:30 Tephra fall hazard assessment
Dr. G. Macedonio

12:30-14:00 Lunch

Afternoon - Lectures

14:00-14:45 Integrated volcanic hazard assessment and mapping
Prof. J. Selva

14:45-15:30 Risk and impact scenario assessment in volcanic areas
Prof. G. Zuccaro

15:30-16:00 Coffee break

16:00-17:00 From long-term to short-term volcanic hazard assessment and emergency planning
Prof. G. Giordano

17:00-18:00 General discussion

20:00 Closing dinner

Tuesday 27 October

Departure of participants.