

INQUA Summer School 2023 on Active Faults and Volcano-Tectonics



25 – 28 September 2023, Naples (Italy)

First Circular



Lectures topics:

- Earthquake geology of active faults
- Integrated approaches for investigating active faults
- Introduction to fault-based seismic hazard assessments
- Volcano-Tectonics analysis
- Volcanism of Italy and of the Neapolitan volcanic province

Field trips:

- ❖ Geology and coseismic faulting of the Mw 6.9 1980 Irpinia earthquake
- ❖ Volcano-Tectonics of the Campi Flegrei caldera

Registration fee: 200 Euro

Registration link: <https://forms.gle/ew9NAxXwg7frQ67X7>

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Travel and accomodation grant:

Application for students, Early Career researchers and researchers from developing countries :

- One page CV;
- Short motivation letter;
- Travel and accomodation expenses (indicative);
- Required support (short budget).

The application should be uploaded in **one PDF file** in the registration link.

Organized by:

INQUA – TERPRO commission

DiSTAR – Department of Earth Sciences, Enviroment and Resources, University of Naples «Federico II»

Venue:

DiSTAR, University of Naples «Federico II» - Via Vicinale Cupa Cintia, 21, Napoli

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The Summer School will host up to 30 students and is organized in **two parts**.

The first part (25th-26th September) includes lectures by experienced researchers who will present state-of-the-art studies on active faults (**Day 1**) and volcano-tectonics (**Day 2**).

The second part (27th-28th September) includes two field trips in crucial areas for understanding active faults and the interplay between tectonics and volcanic activity.

The first trip (**Day 3**) will visit the epicentral area of the Mw 6.9 1980 Irpinia earthquake, outlining the geological structure and the surface effects of coseismic faulting.

The second trip (**Day 4**) will be held in Naples metropolitan area and will tour through the Campi Flegrei volcanic system that represents the highest-risk caldera in the world.

The attendees are invited to share their research through a short presentation (max. 5 minutes).