



International Remote Sensing Summer School 5th edition

Integrated techniques of remote and proximal sensing for the cryosphere

**07-11 September 2026, Courmayeur,
Aosta Valley, Italy**

Organisation & Aim

➔ Organisation

The Fondazione Montagna sicura (FMS), the National Institute of Geophysics and Volcanology (INGV) and the Department of Chemical and Geological Sciences of the University of Cagliari (DSCG-UNICA), jointly with the Italian Association of Remote Sensing (AIT), organize the fifth edition of the International Remote Sensing Summer School: Integrated techniques of remote and proximal sensing for the cryosphere.

➔ Aim

The School aims to approach the study of mountains area by using hyper/multi spectral satellite data introducing also ground based instrumentation for monitoring the cryosphere.

During the school, through the collection of radiometric, atmospheric and topographic data from direct measures and proximal sensing (field spectral radiometer, optical, and radar sensors and UAVs), the site will be characterised.

The program will begin with an explanation of the site's geological and physiographic characteristics, immediately followed by direct sample collection for spectral characterization. Finally, guided activities will introduce students to the principles of radiometric data processing, helping them effectively handle and understand the data acquired in the field.



Program



The School is organised in 5 days of activities, starting on Monday 07th September 2026 at 2:00 pm and closing on Friday 11th September 2026 at 2:00pm. The activities are based on the collection of suitable data in the field and its first processing. During each day, in the morning the activities dedicated to the measures with sensors (e.g. on-board of UAVs and field spectral instrumentation) will be carried out, and in the afternoon the students will be guided on the processing of the data collected in the field. Lectures will complete the hands-on data processing practical exercises.



Attendance

The school is open to early career scientists or employers, such as Ph.D. students, young postdoctoral scientists, technicians with base knowledge in Earth Sciences and Remote Sensing disciplines, wishing to expand and improve their skills in Earth Observation. Participation is limited to a maximum of 20 students: a selection based on CVs and motivation letters will be applied. Selected students are expected to attend the school equipped with their own Laptop. Satellite images, instrumentations (e.g. spectralradiometers, sensors, UAVs, etc) for the in-field activities are provided by the organisation.



Venue

Courmayeur - Italy

Participants will be welcomed in Courmayeur on Monday 07 and taken to the School in:

Fondazione Montagna sicura - "Villa Cameron"

Località Villard de la Palud, 1

Application procedure

Download the Application Form:

www.fondazionemontagnasicura.org, www.ingv.it,
www.unica.it, www.aitonline.org

- Fill it with your personal data
- Save it in PDF format

Send it with a Curriculum Vitae and a Motivation Letter by e-mail to:

- Simone Gottardelli sgottardelli@fondms.org
- Maria Teresa Melis titimelis@unica.it
- Massimo Musacchio massimo.musacchio@ingv.it
- Simone Marzorati simone.marzorati@ingv.it

KEY DATES AND DEADLINES

Date: 07 - 11 September 2026

The School will start at 2:00pm on Monday 07th September 2026 and will end at 2:00pm on Friday 11th September 2026.

Application deadline

The deadline for the submission is 28th February 2026.

Admission to the school

The acceptance of the application will be communicated by 15th March 2026.

Full payment due by 31th March 2026.



Fees

The cost is 800,00 Euro, VAT included, to be paid to Fondazione Montagna sicura by March 31, 2026.

Fees include attendance to all the Summer School activities (Field surveys, lectures, and laboratories), transfers for the planned fieldtrips (Skyway cable car tickets, Van renting) and the accommodation (hotel, breakfast, dinner & pocket lunch) at Courmayeur.

Travel costs from personal residences are not included.



Contact Information



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