



Convective and Volcanic Clouds (CVC) detection, monitoring and modelling

6-18 September 2021

The purpose of the School is to train students with primary research interest in:

- techniques to detect, monitor, and model convective and volcanic clouds
- state-of-the-art instruments and satellite missions (present and future)
- early warning systems and aviation safety for supporting policymakers

CONVECTIVE



- Theory of convection
- Convection from satellite
- Weather prediction
- Convection from radar
- Convection from GNSS-

Modules

VOLCANIC



- Volcanic clouds detection and retrievals from satellite and ground
- Volcanic clouds transport and inverse modelling
- Volcanic Hazard Monitoring

AVIATION



- Decision support tools for ATM
- Severe weather and flight trajectories
- Provision of early warnings on convective and volcanic

Lecturers

- [M. Miglietta](#) (ISAC-CNR, Italy)
- [L. Labrador](#) (WMO)
- [A. Parodi](#)
- [M. Montopoli](#) (ISAC-CNR, Italy)
- [G. Guerova](#) (Univ. of Sofia, Bulgaria)
- [F. Prata](#) (AIRES Ltd, Australia)
- [F. S. Marzano](#) (Univ. La Sapienza, Italy)
- [G. Salerno](#) (INGV, Italy)
- [M. Pavolonis](#) (NOAA, USA)
- [N. Kristiansen](#) (MetOffice, UK)
- [Dorinel Visoiu](#) (ROMATSA, Romania)
- [Tatjana Bolic](#) (Univ. of Trieste, Italy)
- [M. Soler](#)

Because of the COVID-19 pandemic the 6th CVC training school will be organized with virtual sessions, live presentations and daily meetings with lecturers.

The CVC 2021 will offer to students a theoretical introduction to the main issues and challenges of convective and volcanic clouds detection, monitoring and modelling through keynote lectures for each module.

Registration fee: 100€ Deadline:

Website: www.islandofmeetings.com

Contacts

info@islandofmeetings.com

Phone: +39 3931302769



....the virtual sessions of the CVC 2021 will be complemented by the in-person CVC 2022 in Sicily, on Mt Etna!



Special discount (100 €) is available for students who attend the CVC 2021 and apply for the CVC 2022.

2022 CVC School Location: Nicolosi (Italy)

Nicolosi is a small city located on the slopes of the Etna volcano, known as the gateway to Etna. Nicolosi will fascinate students with its architectural, historical and natural wonders.

2022 CVC School Lectures and Labs : the 7th CVC school will offer labs, training sessions and fieldwork

Applications: The CVC school is open to researchers, pilots, air traffic managers and anybody interested in the topics with priority to graduate students, PhD students and early career researchers. More info about this school and the previous editions are available in the website <http://www.CVCtrainingschool.org>

New The participation to the 2021&2022 CVC schools will allow students to take part into discussion meetings about the new SESAR call with EU meteo agencies, organisations dedicated to supporting European aviation (e.g Eurocontrol) and aerospace companies (e.g Leonardo)

Extra Activities CVC 2022: Excursions to Etna with a volcanological guide, early morning fun-run and ... gastronomical meetings!

