



## 4<sup>th</sup> International Training School on

# “Convective and volcanic clouds detection, monitoring and modeling”

Nicolosi - Etna, Italy, 28 September – 6 October, 2018

*This training school is organized by researchers of Istituto Nazionale di Geofisica e Vulcanologia (INGV), the Institute of Atmospheric Sciences and Climate, National Research Council (ISAC-CNR), the World Meteorological Organization (WMO), the Belgian Institute for Space Aeronomy (BIRA-IASB), the Oxford University, the University of Sofia and the University of Trieste.*

The purpose of the School is to train students with outstanding research interest in the techniques allowing to detect, monitor, and model convective and volcanic clouds, to gain knowledge of the instruments and satellite missions (present and future) and to be able to support such kind of studies for **supporting policy makers, early warning systems and aviation safety**.

The extreme atmospheric event cloud detection is a **high multidisciplinary and challenging** topic since the same techniques and instruments can be used for meteorology, volcanic monitoring, atmospheric physics and climate purposes. Within all these fields there are still **many unsolved issues making this school fundamental** for creating a **new generation of scientists** able to use the synergy of several different instruments and techniques.

Each topic includes **keynote plenary lectures** with in-depth discussion. The school will consist of lectures combined with the **practical application** of the material covered in the lectures through introductory lab sessions and a set of research problems that will form the core of the School. Through the introductory keynotes invited lectures, the students will be introduced to all the issues and challenges of the convective and volcanic clouds detection, monitoring and modeling, gaining an overview of the state of the art and the future development.

All the participants are expected to give a short talk or to present a poster about their own research; the selection of the talks will be done through evaluation process as in a regular conference. The students will leave the school with an increased understanding of the cutting-edge research questions and with the perspective of creating some future projects in this field also thanks to the network created during the school with the lecturers and other students.

Keynote lecturers	Lecturers
<p><b>Roy Gordon Grainger</b> (Univ. of Oxford, UK)  <b>Fred Prata</b> (AIRES Ltd, UK)  <b>Dorinel Visoiu</b> (ROMATSA, Romania)  <b>Marcello Miglietta</b> (ISAC-CNR, Italy)</p>	<p><b>Riccardo Biondi</b> (INGV, Italy)  <b>Tatjana Bolic</b> (Univ. of Trieste, Italy)  <b>Hugues Brenot</b> (BIRA, Belgium)  <b>Elisa Carboni</b> (Univ. of Oxford, UK)  <b>Stefano Corradini</b> (INGV, Italy)  <b>Guergana Guerova</b> (Univ. of Sofia, Bulgaria)  <b>Claire Witham</b> (MetOffice, UK)  <b>Lorenzo Labrador</b> (WMO)  <b>Mario Montopoli</b> (ISAC-CNR, Italy)  <b>Simona Scollo</b> (INGV, Italy)  <b>Mark Woodhouse</b> (Univ. of Bristol, UK)</p>



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### Organizing committee

R. Biondi, T. Bolic, H. Brenot, E. Carboni, S. Corradini, G. Guerova, N. Kristiansen, L. Labrador, M. Miglietta, M. Montopoli, and G. Salerno.

### Local Organization

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[www.islandofmeetings.com](http://www.islandofmeetings.com)



### Applications

The School is open to all the researchers, pilots, air traffic managers and anybody interested on the topic giving priority to graduate students, PhD students and early career researchers. More info about this school and the previous editions are available at the website <http://www.CVCtrainingschool.org>

### Dates

Early bird registration deadline 15 May 2018  
 Registration deadline: 31 August 2018

### Contacts

[info@islandofmeetings.com](mailto:info@islandofmeetings.com)

### School fees and accommodation

It is possible to register for the convective clouds module (28 Sep – 1 Oct) or to the volcanic clouds module (3 Oct – 6 Oct) or for the whole training course (9 days). The simple registration fee includes coffee breaks and teaching material. The full board registration fee includes accommodation, meals, coffee breaks, excursion and teaching material. Every meal will be served in a different restaurant with typical local dishes, accommodation will be in B&B with quality and services equivalent to \*\*\* hotel or in a \*\*\* hotel.

Registration type	Simple (1 module)	Full board (1 module)	Simple (2 modules)	Full board (2 modules)
Early bird	200€	Soon available	300€	Soon available
Regular	300€	Soon available	400€	Soon available

### Excursions and fun-night

- Excursion to the Etna crater
- Ice cream night
- Fun-run in the morning before the school

### School Location

**Nicolosi (Italy)**, is a city located on the slopes of the Etna volcano, known as the gateway to Etna. On several occasions eruptions have highly damaged the city, 1669's notably devastating. Nicolosi has numerous buildings of architectural and historical interest such as The Mother Church, dedicated to the Holy Spirit and the the benedictine monastery of San Nicolò l'Areca. In Nicolosi, begins a nice road that stretches up to the Rifugio Sapienza, from where excursions to the crater start.



**CVC School  
 ETNA edition!**