



## 1<sup>st</sup> International Training School on

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

Castiglione del Lago, Italy, 4 –10 October, 2015



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.

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>Francesco Cairo</b> (ISAC-CNR, Italy)  <b>Jean Pierre Chaboureau</b> (Univ. of Toulouse, France)  <b>Fred Prata</b> (NILU, Norway)  <b>Adrian Tompkins</b> (ICTP, UNESCO) (to be confirmed)</p>	<p><b>Riccardo Biondi</b> (Wegener Center – UniGraz, Austria)  <b>Hugues Brenot</b> (BIRA, Belgium)  <b>Stefano Corradini</b> (INGV, Italy)  <b>Federico Fierli</b> (ISAC-CNR, Italy)  <b>Guergana Guerova</b> (Univ. of Sofia, Bulgaria)  <b>Nina Kristiansen</b> (NILU, Norway)  <b>Marcello Miglietta</b> (ISAC-CNR, Italy)</p>



<p><b>Organizing committee</b></p> <p>Riccardo Biondi (Wegener Center – UniGraz, Austria)          Stefano Corradini (INGV, Italy)          Nina Iren Kristiansen (NILU, Norway)          Rita Nogherotto (ICTP, UNESCO)</p>	<p><b>Local Organization</b></p> <p>Island Of Meetings by ER srls          Phone: +39 3931302769          Email: <a href="mailto:info@islandofmeetings.com">info@islandofmeetings.com</a>  <a href="http://www.islandofmeetings.com">www.islandofmeetings.com</a></p> 
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### Applications

The School is open to graduate students, PhD students and early career researchers.  
 More info available at the website <http://biondiriccardo.it/training/index.htm>

### Dates

**Pre-registration is appreciated since there will be a limited space available.**

Pre-registration deadline: March 15, 2015

Applications deadline: June 15, 2015

### Contacts

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### School fees

- **The school registration fee is 330€ including coffee breaks and teaching material.**
- **Full board registration fee 630-700€**, thanks to the agreement with the local hotels and restaurants we can offer a full board discounted arrangement depending on the accommodation (sharing room or single room), including **accommodation in 3\* hotel, breakfasts, lunches, dinners, coffee breaks, teaching material and excursions.**

### School Location

**Castiglione del Lago (Italy)**, medieval town located on a peninsula on the coast of Trasimeno Lake, mid-way between Rome and Florence and easily reachable by train and by car from both cities.



Norsk institutt for luftforskning  
 Norwegian Institute for Air Research



Istituto Nazionale di  
 Geofisica e Vulcanologia