

VENUE

ISSAOS 2018 will be held in L'Aquila and is organized by CETEMPS – Center of Excellence for the Forecast of Severe Weather by Remote Sensing and Numerical Modeling.



L'Aquila is a Middle Age town, rich of art, history and wild nature. It is the capital city of Abruzzo and is located at an elevation of 2.341 feet (714 meters), in a valley dominated by the highest mountain of the Appennines, the Gran Sasso d'Italia. L'Aquila is located between the National Park "Parco Nazionale del Gran Sasso e Monti della Laga" and the Regional Park "Parco Naturale Regionale del Sirente-Velino". It is about 100 km East of Rome.



ISSAOS 2018

CETEMPS c/o Department of Physics and Chemistry
Università degli Studi dell'Aquila, via Vetoio snc
(Fraz. Coppito)

Phone: +39 0862433012 +39 0862433073

Fax: +39 0862433089

E-mail: issaos@aquila.infn.it

REGISTRATION FEES

	Before June 20, 2018	After June 21, 2018
Students*	€ 350,00	€ 450,00
Non Permanent staff	€ 425,00	€ 525,00
Permanent staff	€ 500,00	€ 600,00

(*) M.S. or Ph.D students are requested to provide their status before the registration. Registration includes: Lunch and coffee breaks, Social events (including ice breaker, city tour, and social dinner), Teaching materials (the school online content will be accessed by personal account)

HOW TO APPLY

The application form should be submitted online through the ISSAOS 2018 website:

<http://cetemps.aquila.infn.it/issaos>

ORGANIZED BY



Center of Excellence
CETEMPS
Telesensing of Environment and
Model Prediction of Severe events



Università degli Studi
dell'Aquila

PATRONAGE



SPONSOR



**International
Summer
School on
Atmospheric
Oceanic
Sciences**



27-31 August 2018 L'Aquila, ITALY

**Climate Changes:
Regional Modeling,
data analysis
and uncertainties**

DIRECTOR

Prof. J. Hesselbjerg Christensen

LOCAL ORGANIZING COMMITTEE

V. Colaiuda, R. Ferretti, B. Tomassetti, G. Curci, G. Redaelli

Department of Human Studies, Viale Nizza 14, 67100 L'Aquila

cetemps.aquila.infn.it/issaos

The purpose of the summer school is to **illustrate the progress that has been made in the scientific ability to generate detailed climate projections at the regional scale.**

The main objectives of the school are thus to **provide students with an insight into climate changes and impacts**, as well as to associated uncertainties and their communication.

Assessments on the most recent techniques for climate data analysis, for regional climate modeling techniques, for climate impact on hydrology and for quality assessment and validation of the observations will be provided.

The **theoretical lectures** will be complemented by **practical sessions** on real environmental data analysis, and there will be ample opportunity to exchange ideas and questions among the students and the lecturers.

PURPOSE

TOPICS



Global Change

overview of the climate system



Climate change impacts

analysis of the impacts at global and regional scale



Climate Change uncertainties and their communication

overview of the uncertainties and role of communication



Regional Climate Modeling

RCM techniques



Climate impact on hydrology

impacts of the climate changes on hydrology



Climate data analysis

techniques for climate data analysis

LECTURERS

Jens Hesselbjerg Christensen

University of Copenhagen, Denmark

Martin Drews

Technical University of Denmark, Denmark

Markku Rummukainen

University of Lund, Sweden

Erika Coppola

International Centre for Theoretical Physics
ICTP, Italy

Melissa Bukovsky

National Center for Atmospheric Research NCAR,
USA

Tim Carter

Finnish Environment Institute
SYKE, Finland

Stefan Fronzek

Finnish Environment Institute
SYKE, Finland

Eleanor Blyth

Centre for Ecology & Hydrology, UK