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he Institute of Biometeorology (IBIMET) belongs to the

National Research Council (CNR), the largest Italian public research institution. IBIMET mission is to study the interactions between climate, environment and human activities in order to define strategies, develop technologies and explore practical solutions to contribute to the resilience and sustainability related to food, climatic, meteorological and energy emergencies.

IBIMET is leading the Regional Training Centre of the World Meteorological Organization (WMO-RTC) in Florence - Italy, since mid-nineties. The Italian Centre is part of the Global Network of the RTCs, established in 1958, on which the WMO Education and Training Programme framework is based.

Currently the RTCs Network is formed by 27 RTCs with 39 institutions as components, which help to identify and serve regional needs with some of the centres serving members



outside their associated regions. The Italian RTC is serving WMO Members in RA-VI (Europe) and RA-I (Africa) in key areas of agrometeorology, climate change response and urban meteorology. It also provides logistical solutions for students, with financial support through grants.

The Italian RTCs courses' methodology includes face-to-face lectures, e-learning activities and on the job training, thanks to the collaboration of the Environmental Modelling and Monitoring Laboratory for Sustainable Development (LaMMA Consortium), that assure high level weather forecasting courses, including specific hands-on activities. In addition, a number of distinguished professors and experts from Italy and abroad are invited to give lectures, and educational material is prepared by leading scientists and experts.

Trainers of RTC-IBIMET participate to WMO Commissions and Working Groups and to International Expert Teams, and cooperate with Universities and National and International Research Centres, therefore assuring the competences needed to deliver WMO compliant courses.

In 2014, RTC-IBIMET run three courses on: "Climate change impacts on agricultural systems in Africa", "Seasonal forecasts for agriculture in the Mediterranean", "Water footprint application for water resources".

In order to meet the demand of Members on Urban Climate, Water Resources and Climate Extremes, the courses offered at RTC-IBIMET cover a number of topics ranging from climate change impacts on agriculture and water resources to seasonal forecast, climate extremes, and urban climate.

**RTC on Climate Change Impact on Agricultural Systems in Africa, Florence 9-13 June 2014**

WMO assists in developing a coordinated approach to the activities of Members. One of its primary aims is to encourage training in meteorology and operational hydrology, and to assist in coordinating the international aspects of this training. The main purpose of the WMO Education and Training Programme (ETRP) is to help its Members, especially in developing countries and in countries with economies in transition, develop human resources through training, the provision of educational material and the awarding of fellowships, and its Regional Training Centres contribute to the global effort. The training of personnel specialized in internationally agreed standards and procedures allow NMHSs to carry out the activities and operations required at the global, regional and national levels for the efficient provision of meteorological and hydrological services in support of sustainable development of Member countries.



#### RTC-Italy courses in programme

2015	Seasonal forecasts and water management in the Mediterranean Basin: integrated approaches
2016	Urban Climatology
2016	CIMO Guide: How to Measure the Atmosphere
2016	Climate Change and Extremes

**WMO-RTC CNR-IBIMET**  
**Via Giovanni Caproni, 8 – 50145 Florence – Italy**  
**Phone: +39 055 3033711 Fax: + 39 055 308910**  
<http://www.fi.ibimet.cnr.it/rtc/>

## The World Meteorological Organization Regional Training Centre Italy **WMO-RTC – IBIMET-CNR**

