

WMO Regional Training Center International Training Course on

Seasonal Forecasts for Agriculture in the Mediterranean



22-26 September 2014
Area di Ricerca CNR
via Madonna del Piano, 10 - 50019
Sesto Fiorentino - Florence - ITALY

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Funded by:

DIPLOMAzia

Course description

The purpose of this week-long course is to build capacities for the application of climate seasonal forecasts for water and crop management, with a special focus on the Mediterranean crop production systems.

Through the course, participants will acquire theoretical and practical knowledge on current approaches to use and apply seasonal forecast products on the Mediterranean Region, with particular emphasis on:

- Available products and existing networks (PRESANORD, MedCOF, SEECOF);
- Downscaling methods in seasonal forecasting;
- Management of seasonal forecasts uncertainty;
- Seasonal forecast use in crop and irrigation management.

Programme

Pre-course activities

Thanks to the kind availability of WMO to allow us using the ETRP Moodle System, a Course Moodle page has been developed at:

<http://etrp.wmo.int/moodle/course/view.php?id=41>

You have been registered as participant to the Course with the following credentials:

login: your email

pwd: your email

Please take care to review and complete your profile page and change your password at first login.

Through the Moodle page we will provide:

- 1) General and logistical information about the training course;
- 2) Scientific and didactical material;
- 3) Lessons that will be given at the course;
- 4) Tutorial for practical exercitations to be done in preparation of the front lessons;
- 5) Questionnaires in order to evaluate your background and the training course itself.

Thursday 18 September

From 10 to 12 am (Italian time UTC+2) and from 3 to 5 pm (Italian time UTC+2) PRE-COURSE PRACTICAL EXERCITATION will be carried out with the support of a tutorial available on the Moodle platform.

During the time indicated a teacher will be connected online and available to answer to any of your questions or requests for help.

We recommend to follow the exercitation to get familiar with data and tools that will be used during the practical exercitation in Florence.

Before Monday 22 September

Participants' pre-course self-evaluation questionnaire: Participants are kindly asked to complete the self-evaluation questionnaire available on the Moodle platform before attending the training course.

Participants are requested to prepare a 10 minutes presentation of their activities with particular emphasis on seasonal forecasts.

List of Acronyms

AEMET	Agencia Estatal de Meteorología	www.aemet.es/en/portada
ARPA-SIMC	ARPA - Servizio Idro-Meteo-Clima	www.arpa.emr.it/sim/
CMCC	Centro Euro-Mediterraneo sui Cambiamenti Climatici	www.cmcc.it/
CNMCA	Centro Nazionale di Meteorologia e Climatologia Aeronautica	www.meteoam.it/
CNR-IBIMET	Consiglio Nazionale delle Ricerche – Istituto di Biometeorologia	www.ibimet.cnr.it
CNR-ISAC	Consiglio Nazionale delle Ricerche – Istituto Scienze Atmosferiche e Climatiche	www.isac.cnr.it/
Consorzio LAMMA	Laboratorio di Monitoraggio e Modellistica Ambientale per lo sviluppo sostenibile	www.lamma.rete.toscana.it/en
Met Office	Meteorological Office	www.metoffice.gov.uk/
UniFi	Università degli Studi di Firenze	www.unifi.it/
WMO	World Meteorological Organisation	www.wmo.int

Front Lessons and exercitations

Monday 22

- 9:30** Registration of participants
- 10:00** Antonio Raschi – *IBIMET-CNR Director* – Opening of the Training School
Patrick Parrish – *WMO* – Education and Training Programme: Working with RTCs to meet Members' Needs
Marina Baldi – *RTC Director* – Presentation of the RTC
Vieri Tarchiani – *IBIMET-CNR* – Forecasting Seasonal Variability: a Strategic Challenge for the Mediterranean
- 11:30** **Coffee Break**
- 12:00** Massimiliano Pasqui – *IBIMET-CNR* – Introduction to the Training course on Seasonal Forecasts
Maurizio Bacci – *IBIMET-CNR* – Course Organisation and Logistic Information
Caterina Ricci – *IBIMET-CNR* – RTC Interviews and Media
- 13:00** Michele Zerbini – *Barilla G.&R. Fratelli S.p.A* – Practical Usage of Agro Meteorological Tools in Durum Wheat Supply Chain
- 14:00** **Lunch break**
- 15:00** Asunción Pastor – *AEMET* – The WMO MedCOF Initiative and Related Activities.
- 16:30** **Coffee Break**
- 16:45** Students Presentations

Tuesday 23

- 9:30** Ramona Magno – *IBIMET-CNR* – Drought Monitoring and Forecasting at Monthly and Seasonal Time Scale
- 11:30** **Coffee break**
- 12:00** Silvio Gualdi – *CMCC* – The CMCC Seasonal Forecasting Activities and their Potential Applications in the Mediterranean Region
- 14:00** **Lunch break**
- 15:00** Carlo Buontempo – *MetOffice* – EUPORIAS: a First Step towards the Co-design of Climate Services in Europe.
- 16:30** **Coffee Break**
- 16:45** **Exercitation** – IRI Climate Data Library. Data download and real time observations – **Massimiliano Pasqui, Maurizio Bacci** – *IBIMET-CNR*

Wednesday 24

- 9:30** **Massimiliano Pasqui** – *IBIMET-CNR* – Statistical Seasonal Forecasts in the Mediterranean Basin
- 11:30** **Coffee break**
- 12:00** Valentina Pavan – *ARPA-SIMC* – Seasonal Predictability and its Relation to ENSO
- 14:00** **Lunch break**
- 15:00** Valentina Pavan – *ARPA-SIMC* – Seasonal Predictions and their Application: an Italian Case Study
- 16:00** **Coffee Break**
- 16:15** **Exercitation** – A case study – **Valentina Pavan** – *ARPA-SIMC*

Thursday 25

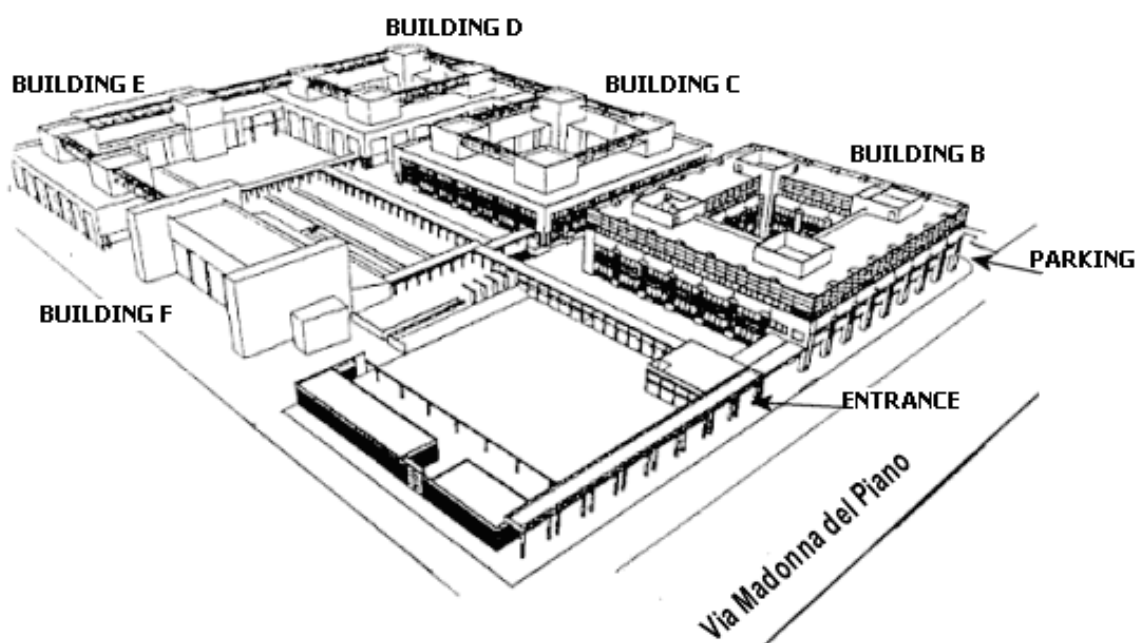
- 9:30** **Roberto Ferrise** – *UniFi* – Using Seasonal Forecasts for Predicting Durum Wheat Yield over the Mediterranean Basin: a Case Study
- 10:30** **Daniele Mastrangelo** – *CNR-ISAC* – The CNR-ISAC Monthly Forecasting System
- 12:00** **Coffee break**
- 12:30** **Filippo Maimone** – *CNMCA* – Statistical Downscaling at the Italian Air Force Met Service
- 14:00** **Lunch break**
- 15:00** **Exercitation** – Winter 2014 case study – **Massimiliano Pasqui, Maurizio Bacci** – *IBIMET-CNR*
- 16:30** **Coffee Break**
- 16:45** **Exercitation**– Winter 2014 case study – **Massimiliano Pasqui, Maurizio Bacci** – *IBIMET-CNR*

Friday 26

- 9:30** **Riccardo Benedetti** – *Consorzio LAMMa* – Notes on Forecast Verification Methods
- 11:30** **Coffee break**
- 12:00** **Closing Remarks** – - **Massimiliano Pasqui** – *IBIMET-CNR*
- 13:00** **Course evaluation**
- 14:00** **Lunch break**
- 15:00** **Diplomas**

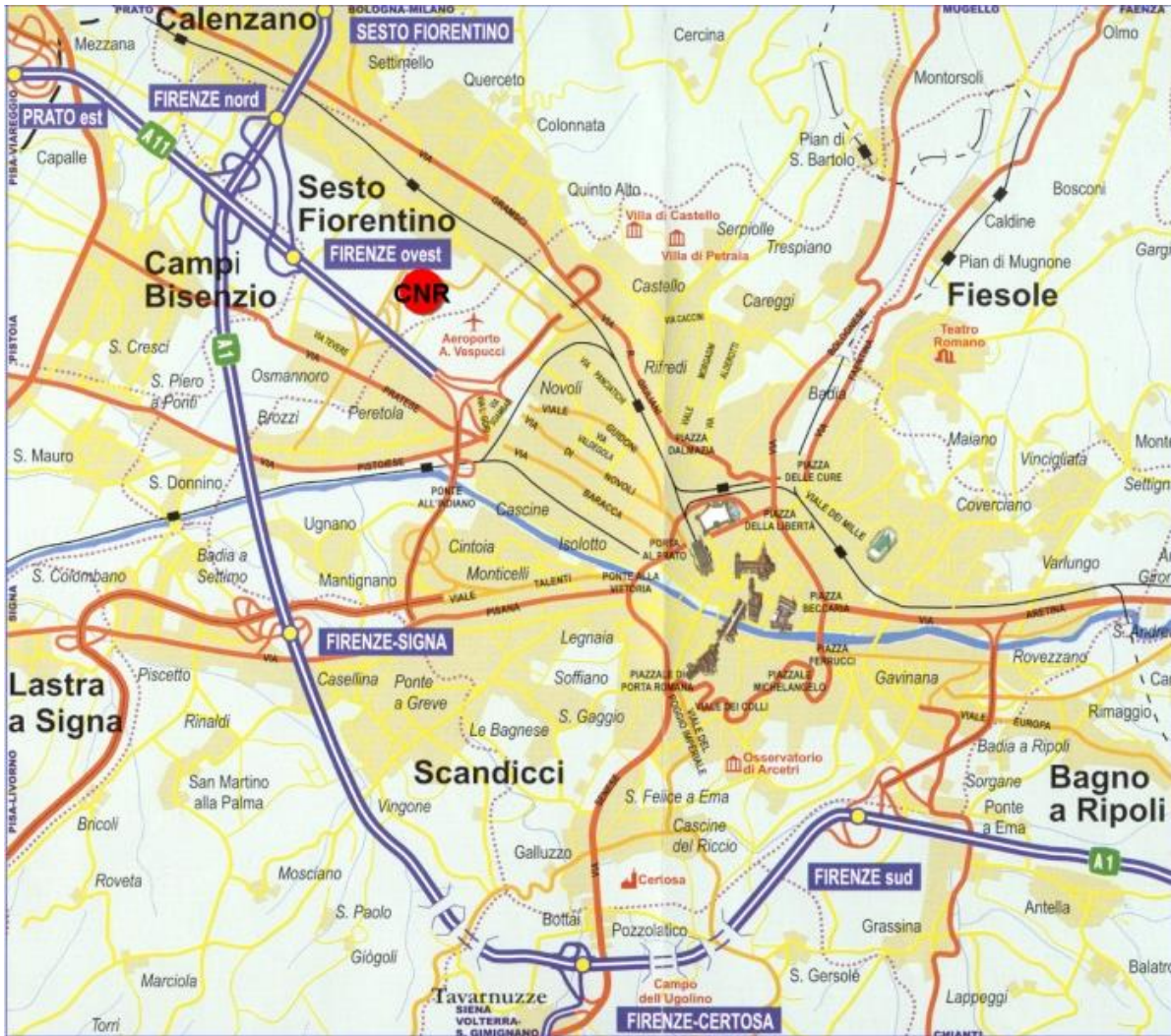
Course location

The course venue is the CNR Research Area of Sesto Fiorentino, Aula 1 - Building F. The CNR installation at the was completed in June 2005. In the five buildings that constitute it, the Florence Research Area houses 6 Institutes and 6 Territorial Sections, in addition to important scientific structures such as the Laboratory for Meteorology and the Design and Construction of Environmental Models (LAMMA), the Centre of Electronic Microscopies (CeME), and ELab Scientific Srl, a CNR spin-off Company.



FLORENCE RESEARCH AREA
Via Madonna del Piano, 10
50019 - Sesto Fiorentino, Florence
Tel. +39 055 52251

The Area has a total covered area of more than 23,000 m², is equipped with a Congress Centre with three halls and meetings rooms, a cafeteria and bar.



Contacts:

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Useful links:

CNR Research area: <http://www.area.fi.cnr.it/english/>

Urban mobility: <http://www.ataf.net/>

Railways information: <http://www.trenitalia.com/>

Florence Airport: <http://www.aeroporto.firenze.it/en/>

Bologna Airport: <http://www.bologna-airport.it/uk/?LN=UK>