



World Meteorological Organization  
Organisation météorologique mondiale

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Weather • Climate • Water  
Temps • Climat • Eau

جنيف، 22 تموز/ يوليو 2014

الرسالة رقم: ETR/CRS-1414

عدد المرفقات: 2 (متوافران بالإنكليزية فقط)

الموضوع: دورة تدريبية دولية بشأن "التنبؤات الموسمية لأغراض الزراعة في منطقة البحر المتوسط"، معهد الأرصاد الجوية الأحيائية التابع للمجلس الوطني للبحوث (CNR-IBIMET)، فلورنسا، إيطاليا، 22-26 أيلول/ سبتمبر 2014

الإجراء المطلوب: للعلم واتخاذ الإجراء الملائم

تحية طيبة وبعد،

يسرني أن أبلغكم أن مركز التدريب الإقليمي في إيطاليا سيعقد دورة تدريبية دولية بشأن "التنبؤات الموسمية لأغراض الزراعة في منطقة البحر المتوسط"، في مرافق معهد الأرصاد الجوية الأحيائية التابع للمجلس الوطني للبحوث (CNR-IBIMET)، في فلورنسا، في الفترة من 22 إلى 26 أيلول/ سبتمبر 2014.

وهذه الدورة موجهة لفنبي خدمات الأرصاد الجوية الزراعية وأخصائي علم المناخ وأخصائي الأرصاد الجوية الزراعية والباحثين في مجالي الزراعة والمناخ، من خلال تهيئة بيئة يمكن أن تتقاسم فيها الجهات الفاعلة في مجالي الزراعة والمناخ رؤية مشتركة وأن يستحدثوا لغة مشتركة.

والغرض من هذه الدورة التي تستمر أسبوعاً هو بناء القدرات على استخدام التنبؤات المناخية الموسمية في إدارة المياه والمحاصيل، مع التركيز بشكل خاص على نظم إنتاج المحاصيل في منطقة البحر المتوسط. وستجري فعاليات الدورة بالإنكليزية، ويرد في المرفق الأول معلومات تفصيلية عن الدورة، بما في ذلك شروط وإجراءات تقديم الطلبات.

ويرجى من المرشحين المهتمين استيفاء استمارة ترشيح المشاركين المرفقة (المرفق الثاني) وإعادتها مباشرة إلى المعهد (CNR-IBIMET) على البريد الإلكتروني: v.tarchiani@ibimet.cnr.it، في موعد لا يتجاوز 15 آب/ أغسطس 2014.

وتفضلوا بقبول فائق الاحترام،

  
(م. جارو)  
الأمين العام

إلى: الممثلين الدائمين لأعضاء المنظمة (أو مديري مرافق الأرصاد الجوية أو الأرصاد الجوية الهيدرولوجية التابعة لأعضاء المنظمة) (PR-6782)

صورة إلى: المستشارين الهيدرولوجيين للممثلين الدائمين

# **WORLD METEOROLOGICAL ORGANIZATION**

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**ETR/CRS-1414, ANNEX I**

## **COURSE INFORMATION**

**WMO - CNR-IBIMET**

### **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

## **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.

Climatic variability and related risks are affecting crop production with impacts rising particularly for smallholders farming systems. Since the late 90's seasonal forecasts experienced a growing role, despite the large uncertainties still present. Precipitation and temperature anomalies knowledge, available a few months early, could be useful for technical services and organizations on managing water resources, crop calendars and varieties to be used. At the same time, methods and scientific results are still underexploited and not easily accessible and comprehensible for potential users. According with the Global Framework for Climate Services, the course addresses the need to develop mechanisms for delivery of climate services for the agricultural community and for enabling risk mitigation strategies at various levels and identifying research and transfer demand by end-users. The training course wishes to contribute to the strengthening of existing regional networks for the application of seasonal forecast (MedCOF, PRESANORD, SEECOF) in agriculture.

## **Expected Learning Outcomes**

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.

## **Target Audience**

The course is addressed to agrometeorological services technicians, climatologists, agrometeorologists and agricultural and climate researchers, by creating an environment where agriculture and climate actors could share a common view and develop a common language.

## **Course Content**

- Current methods for seasonal forecasting;
- Downscaling of seasonal forecasts;
- Applications of seasonal forecast for water and crop management.

## **Course Format**

Lectures, group discussions, case studies.

## **Assessment**

An internal assessment will be performed using a double self-evaluation approach: from Trainees and from Trainers. Single interviews with trainers and trainees will be also collected for documenting the training activities.

## **Instructors' institution, tentative names and experience**

IBIMET-CNR, Massimiliano Pasqui, Numerical modeling and downscaling techniques  
IBIMET-CNR, Ramona Magno, applications of SF on agriculture  
IBIMET-CNR, Maurizio Bacci, applications of SF on agriculture  
AEMET, Ernesto Rodriguez Camino, MedCOF and related activities  
IC3 (Cataluña) Paco Doblas-Reyes, applications of SF on agriculture  
WMO, Paolo Ruti, Global and regional modeling for seasonal forecasting  
Arpa Emilia Romagna, Valentina Pavan, downscaling applications of SF on agriculture  
Aereonautica Militare, Filippo Maimone, downscaling for SF in Civil Protection activities  
CMCC, Silvio Gualdi, Global modeling for seasonal forecasting  
Florence University, Roberto Ferrise, applications of SF on agriculture

## **Language**

English

## **Participant Qualifications for Admission**

- *Education Level:* to be specialized in agrometeorology, climatology, agricultural sciences;
- *Position/Task:* from *National Hydrometeorological Services, National Agricultural Services, Agricultural Research Institutions from Mediterranean Countries;*
- *Experience:* At least 3 years of relevant working experiences;
- *Language:* To be proficient in English.

## **Application and Selection Process**

Candidates are requested to submit the Application Form to IBIMET-CNR. Applications will be evaluated in collaboration with WMO and the course Sponsors. Admission Notices will be issued to the accepted participants by e-mail by IBIMET-CNR. With the Admission Notices, the participants are requested to go through all the necessary formalities for entering into Italy.

Admitted participants are requested to prepare a report/presentation on their (or their service's) experience on the themes of the course for the purpose of exchanges.

## **Costs**

Tuition is free for all the accepted participants that receive the endorsed Admission Notices by IBIMET-CNR.

Fees covered by Course Sponsors:

- 6 participants from North Africa will have their participation covered by the DIPLOMATIA project;
- 1 participant will have his participation covered by the VOPA Project.

Other accepted participants from Mediterranean countries shall be responsible for their own local and travel costs.

The expenses of visa, medical care, insurances (mandatory) and domestic salaries for the participants should be borne by the participants.

IBIMET-CNR will provide support for booking accommodation in Florence and will provide local transportation.

**Deadline for Application**

15 August 2014

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ETR/CRS-1414, ANNEX II

## NOMINATION FORM

**International Training Course**  
**Seasonal forecasts for agriculture in the Mediterranean**  
*Florence, Italy*  
22-26 September 2014

### ***Section A: Personal Details***

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1. Country : \_\_\_\_\_
2. Title : Mr/Ms/Miss/Dr/Prof/ : \_\_\_\_\_
3. First Name (Given) : \_\_\_\_\_
4. Family Name (Surname) : \_\_\_\_\_
5. E-mail : \_\_\_\_\_
6. Telephone No : \_\_\_\_\_
7. Fax No : \_\_\_\_\_
8. Official Address : \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
9. Date of Birth : \_\_\_\_\_
10. Nationality : \_\_\_\_\_
11. Gender : ☐ Female ☐ Male
12. Passport Number : \_\_\_\_\_
13. Do you need an entry visa for Italy?: ☐ No ☐ Yes

### ***Section B: Qualification***

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14. Qualification (Certificates, diplomas, degrees, etc.):

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15. Please indicate your English language skills:

	Excellent	Good	Fair	Poor	Nil
Speaking					
Reading					
Writing					

16. What other WMO courses have you attended in the last 5 years?

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### **Section C: Work Experience**

17. Present work:
- ☐ National Meteorological and/or Hydrological Service (NMHS)
  - ☐ WMO Regional Training Center (RTC)
  - ☐ Other National Technical Service: \_\_\_\_\_
  - ☐ University/Research Institution: \_\_\_\_\_
  - ☐ Other (Please specify): \_\_\_\_\_

18. What is your job title? \_\_\_\_\_

19. How long have you been in this position? \_\_\_\_\_

20. Your qualification:
- ☐ Meteorologist
  - ☐ Agronomist
  - ☐ Other (Please specify) \_\_\_\_\_

21. Do you have experience on?

- Climate analysis/modelling  
☐ YES    ☐ NO
- Production of Seasonal forecasts  
☐ YES    ☐ NO
- Use of Seasonal forecasts  
☐ YES    ☐ NO
- Sensitivity of crops to climate variability and extremes  
☐ YES    ☐ NO

***Section D: Rationale for Applying***

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22. How are you involved in Climate/Meteorological applications for agriculture in your position?

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23. Why do you want to attend this course? Be specific about how it will help you in your work.

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24. Statement by candidate on how she/he anticipates using the knowledge and skills from this course in the work after the course?

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***Section E: Travel and local costs and Insurance***

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25. How your travel and local costs will be covered?

- ☐ Your Administration: \_\_\_\_\_
- ☐ WMO
- ☐ Other: \_\_\_\_\_

26. Insurance

I fully understand that the course organizer does not take any responsibility for risks such as loss of life, accidents, illness, loss of property etc.

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***Personal statement***

I hereby declare that the information given above is true, correct and complete. I shall bear the responsibility for the above information. I pledge to observe all the Italian laws and will respect the local customs and follow the seminar regulations during my stay in Italy for the training seminar.

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Place: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of the Candidate: \_\_\_\_\_

***Endorsement of the Nominator***

1. Name of Organization \_\_\_\_\_

\_\_\_\_\_

2. Name and Signature of the Permanent Representative with WMO:

Name \_\_\_\_\_

Signature \_\_\_\_\_

3. Official Seal \_\_\_\_\_

4. Date \_\_\_\_\_

To be completed and returned as soon as possible by e-mail to IBIMET-CNT **not later than 15 August 2014** to:

Vieri Tarchiani  
E-Mail: [v.tarchiani@ibimet.cnr.it](mailto:v.tarchiani@ibimet.cnr.it)

**Include a short CV (last 5 years) with the present form**

**Contacts:**

Vieri Tarchiani  
IBIMET-CNR  
Via G.Caproni 8 – 50145  
Florence, ITALY  
Tel. +390553033711  
E-Mail: [v.tarchiani@ibimet.cnr.it](mailto:v.tarchiani@ibimet.cnr.it)

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