



World Meteorological Organization  
Organisation météorologique mondiale

Secrétariat

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Weather • Climate • Water  
Temps • Climat • Eau

Nuestra ref.: ETR/CRS-914

GINEBRA, 28 de marzo de 2014

Anexos: 2 (disponibles en inglés solamente)

Asunto: Curso internacional de formación sobre “Los efectos del cambio climático en los sistemas agrícolas en África”, Consejo Nacional de Investigación-IBIMET (Florencia, Italia, 9 a 13 de junio de 2014)

Finalidad: Para información y para que se adopten las medidas pertinentes

Estimado señor/Estimada señora:

Tengo el placer de informarle que el Centro regional de formación de Italia organizará un curso internacional de formación sobre “Los efectos del cambio climático en los sistemas agrícolas en África” en las instalaciones del Instituto de Biometeorología (IBIMET), que depende del Consejo Nacional de Investigación, en Florencia (Italia), del 9 al 13 de junio de 2014.

El propósito de este curso es crear capacidad para el análisis de los efectos del cambio climático en la producción agrícola, con especial atención a los sistemas agrícolas de África occidental y septentrional. El curso está destinado a técnicos, climatólogos, agrometeorólogos e investigadores en materia de agricultura y clima de los servicios agrometeorológicos, y se impartirá en inglés. En el anexo I se proporciona información detallada sobre la formación, con inclusión de los criterios de participación y el procedimiento de inscripción.

Los candidatos interesados deberán rellenar el formulario de designación de participantes adjunto (anexo II) y enviarlo directamente al CNR-IBIMET, Via G. Caproni 8 – 50145, Florencia, Italia, lo antes posible o, a más tardar, el **27 de abril de 2014**.

Le saluda atentamente.

(E. Manaenkova)  
por el Secretario General

A los Representantes Permanentes (o Directores de los Servicios Meteorológicos o Hidrometeorológicos) de los Miembros de la OMM (PR-6761)

copias: Asesores hidrológicos de los Representantes Permanentes

**COURSE INFORMATION FORM**

**INTERNATIONAL TRAINING COURSE ON  
CLIMATE CHANGE IMPACTS ON AGRICULTURAL SYSTEMS IN AFRICA**

**9-13 June 2014**

**Area di Ricerca CNR  
via Madonna del Piano, 10- 50019 - Sesto Fiorentino (Florence) - Italy**

**Course Description**

The purpose of this course is to build capacities for the analysis of climate change impacts on crop production, with a special focus on North and West Africa agricultural systems.

Climatic variability and climate change are hampering all developing countries to reach the Millennium Development Goals, particularly in Africa which is highly vulnerable to climate variability and climate change on account of its large rural population that remains highly dependent on rain-fed agriculture for food and its natural resource-based economy.

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 adaptation strategies at various levels and identifying research and transfer demand by end-users. In order to provide operational information and skill in the area of agricultural operational policies, climate services, research and transfer to identify appropriate actions, the module will concentrate on 2020-2030 climate prediction scenarios.

**Expected Learning Outcomes**

Through the course, participants will acquire theoretical and practical knowledge on current approaches to:

- Assess climate change trends on the short- and long-term;
- Evaluate changes and trends in crop production systems;
- Assess vulnerability and risks to climate change and to extreme hydrometeorological events;
- Evaluate and model climate change impacts on food production systems;
- Adopt agrometeorological and agricultural strategies for food production systems adaptation.

**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**

- Existing climate data sets: availability, differences and limitations for climate analysis on crop productivity;
- Sensitivity of specific crop phases to climate variability and extremes;
- Methodologies and tools for climatic analysis in relation to specific crops' phases;
- Integrating observed climate trends and climate projections for the short-term evaluation of climate change impacts on crop systems.

## Course Format

Lecture, group discussion, individual presentation, case studies.

## Assessment

An internal assessment will be performed using a double self evaluation approach: from trainees and from trainers.

## Instructor names and qualifications

Trainers from IBIMET-CNR:

- Maurizio Bacci, Msc in Applied Meteorology
- Massimiliano Pasqui, PhD in Physical Modelling
- Vieri Tarchiani, course coordinator

Trainers from the University of Florence, Agricultural Sciences Faculty

Trainers from the University of Sassari

Trainers from the University of Tuscia

## Language

English

## Participant Qualifications for Admission

- *Education Level:* to be specialized in agrometeorology, climatology, agricultural sciences;
- *Position/Task:* from National Meteorological Services, National Agricultural Services, Agricultural Research Institutions from North and West Africa;
- *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 at the following address: [v.tarchiani@ibimet.cnr.it](mailto:v.tarchiani@ibimet.cnr.it)

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 in Italy.

Admitted participants are requested to prepare:

- A 10-minutes presentation of their activities with particular emphasis on climate and agriculture;
- A case study to be proposed to the course for further analysis. The presented case study should be relevant for a specific area and on a specific crop production system. Participants should describe the context of the area and the crop production, problems and vulnerabilities potentially driven by climate change;
- Participants are also requested to collect and bring to the course climatic and agronomic data relevant case study analysis. During the course, two case studies, one for North and one for West Africa will be selected and analyzed.

## Costs

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

Fees for 7 participants are covered by course sponsors:

- 2 participants from Senegal will have their participation fees covered by the PAPSEN Project;
- 3 participants from Niger will have their participation fees covered by the ANADIA Niger Project;
- 4 participants from North Africa will have their participation covered by the DIPLOMATIA Project.

Other accepted participants from West and North Africa 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**

27 April 2014

For any question related to the training course, address to the following contact:

Vieri Tarchiani  
Researcher at IBIMET-CNR  
Via G. Caproni 8,  
50145, Florence, ITALY  
Tel +39 0553033734  
E-mail: [v.tarchiani@ibimet.cnr.it](mailto:v.tarchiani@ibimet.cnr.it)

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WORLD METEOROLOGICAL ORGANIZATION

ETR/CRS-914, ANNEX II



NOMINATION FORM

INTERNATIONAL TRAINING COURSE ON  
CLIMATE CHANGE IMPACTS ON AGRICULTURAL SYSTEMS IN AFRICA

9-13 June 2014  
CNR-IBIMET, Florence, Italy

**Section A: Personal Details**

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**

14. Qualifications (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
- Assessment of climate impacts on crop production
  - ☐ YES    ☐ NO
- Sensitivity of crops to climate variability and extremes
  - ☐ YES    ☐ NO

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

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 costs and Insurance***

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25. How your travel costs will be covered?

- ☐ Diplomazia Project
- ☐ ANADIA Niger Project
- ☐ PAPSEN Project
- ☐ 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.

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

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

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

**Endorsement of the Nominator**

*(for those not funded under Diplomazia Project, ANADIA Niger Project, or PAPSEN Project)*

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-CNR **not later than 27 April 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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