World Meteorological Organization
Organisation météorologique mondiale

Secrétariat
7 bis, avenue de la Paix – Case postale 2300 – CH 1211 Genève 2 – Suisse
Tél.: +41 (0) 22 730 81 11 – Fax: +41 (0) 22 730 81 81
wmo@wmo.int – www.wmo.int

Weather • Climate • Water
Temps • Climat • Eau

الرسالة رقم: ETR/CRS-914 جنيف، 28 آذار/ مارس 2014

عدد المرفقات: 2 (متوافران بالإنكليزية فقط)

الموضوع: حلقة التدريب الدولية بشأن "آثار تغير المناخ على النظم الزراعية في أفريقيا"، معهد الأرصاد الجوية الأحيائية التابع للمجلس الوطني للبحوث (CNR-IBIMET)، فلورنسا، إيطاليا، 9-13 حزيران/ يونيو 2014

الإجراء المطلوب: للعلم واتخاذ الإجراء الملائم

تحية طيبة وبعد،

يسرني أن أبلغكم أن مركز التدريب الإقليمي في إيطاليا سيعقد دورة تدريبية دولية بشأن "آثار تغير المناخ على النظم الزراعية في أفريقيا"، في مرافق معهد الأرصاد الجوية الأحيائية التابع للمجلس الوطني للبحوث (CNR-IBIMET)، في فلورنسا، في الفترة 9-13 حزيران/ يونيو 2014.

والغرض من هذه الدورة التدريبية هو بناء القدرات على تحليل آثار تغير المناخ على إنتاج المحاصيل، مع التركيز بشكل خاص على النظم الزراعية في شمال أفريقيا وغرب أفريقيا. وهذه الدورة موجهة للفنيين في مجال خدمات الأرصاد الجوية الزراعية، وخبراء علم المناخ، والراصدين الجويين الزراعيين، والباحثين في مجال الزراعة والمناخ، وستجري باللغة الإنكليزية. ويرد في المرفق الأول معلومات تفصيلية عن الدورة، بما في ذلك شروط وإجراءات تقديم الطلبات.

ويرجى من المرشحين المهتمين استيفاء استمارة الترشيح المرفقة (المرفق الثاني) وإعادتها مباشرة إلى المعهد (CNR-IBIMET)، Via G.Caproni 8 – 50145, Florence, Italy، في أقرب وقت ممكن، على ألا يتجاوز ذلك **27 نيسان/ أبريل 2014**.

وتفضلوا بقبول فائق الاحترام،

(إ. ماناينكوفا)
عن الأمين العام

إلى: الممثلين الدائمين لأعضاء المنظمة (أو مديري مرافق الأرصاد الجوية أو الأرصاد الجوية الهيدرولوجية التابعة لأعضاء المنظمة) (PR-6761)

صورة إلى: المستشارين الهيدرولوجيين للممثلين الدائمين

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
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

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.):

_____

_____

_____

_____

_____

_____

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?

_____

_____

_____

_____

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?

_____

_____

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

_____

_____

_____

_____

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

_____

_____

_____

_____

Section E: Travel costs and Insurance

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.

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

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