



World Meteorological Organization
Organisation météorologique mondiale

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Weather • Climate • Water
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Our ref.: ETR/CRS-814

GENEVA, 28 March 2014

Annexes: 2 (available in English only)

Subject: Advanced Workshop on Climate Change and Agriculture, RTC Bet-Degan, Shefayim, Israel, 6–19 June 2014

Action required: For information and appropriate action

Dear Sir/Madam,

I have pleasure to inform you that the RTC Bet-Dagan in cooperation with Israel's Agency for International Development Cooperation (MASHAV) will hold an advanced training workshop on Climate Change and Agriculture at the RTC Bet-Dagan, Israel, from 6 to 19 June 2014.

The objective of the workshop is to enhance the capabilities of the participants in the efficient use of agrometeorological methods and techniques as well as other tools for mitigating the different effects of climate change on agriculture. The course is part of the climate services provided by IMS in accordance with the objectives of GFCS. The workshop will be conducted in English.

The Government of Israel will provide scholarships, covering the expenses of lodging at full board (two persons sharing a room) for the duration of the workshop, tuition fees and transportation for applicants from developing countries. The scholarship, however, does not cover airfare expenses to and from Israel or per diem or pocket money. A limited number of air travel grants may be available for the participants. Detailed workshop information, including the requirements and the procedures of application, is given in Annex I.

Interested candidates are requested to complete the attached Participant Application Form (Annex II) for the workshop and return it directly to RTC Bet-Dagan, Israel Meteorological Service, P.O. 25 Bet-Dagan 50250 Israel, to rmtc@ims.gov.il and gershteing@ims.gov.il not later than **21 April 2014**.

Yours faithfully,

(E. Manaenkova)
for the Secretary-General

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-6759)

cc: Hydrological Advisers to Permanent Representatives



ADVANCED WORKSHOP ON CLIMATE CHANGE AND AGRICULTURE

Shefayim, Israel
6–19 June 2014

1. Introduction

The IMS/WMO RTC Bet-Dagan of the Israel Meteorological Service has provided training at a post-graduate level since 1967. Several thousands of participants from all over the world, mainly from developing countries, have taken advantage of the opportunities provided by our RTC to study the application of meteorology to various aspects of economic activity.

The topics of this workshop are in accordance with the concept of the Global Framework for Climate Services (GFCS), where agriculture is one of the four key areas selected by the High Level Taskforce of the GFCS.

Since Israel was successful with developing such agriculture, despite the negative impact of its climate and water resources scarcity on its agricultural production, many of the methodologies developed during the years could be used also for mitigating the results of climate change and increasing the agricultural production.

This workshop will demonstrate advanced methodologies and techniques developed in order to compensate for the impact of unfavorable climate conditions on agricultural production. It will introduce Israel's knowledge in various fields such as: (i) irrigation under changing climate conditions; (ii) microclimate control in agricultural buildings; (iii) forecaster-farmer interaction; and (iv) cultivation of crops resistant to climate change, etc.

The curriculum of the workshop will include a combination of classroom lectures, discussions, exercises, demonstrations, field trips and round-table discussions.

2. Workshop Objectives

- a) To discuss the effects of climate change on different fields of agriculture and agricultural production;
- b) To demonstrate modern agrometeorological techniques and methods for mitigating the effects of climate change.

3. Main Workshop Content

Effects of climate change on agricultural production:

- Precipitation distribution and changes
- Extreme Events – Floods, Droughts, Frost and Heatwaves
- Phenological Effects

Agrometeorological techniques:

- Advanced irrigation methods
- Usage of marginal water
- Climate control in horticulture and livestock buildings

Forecast and risk management for improving agricultural production:

- Short- and medium-range weather forecasts and their impact on agriculture
- Usage of Economical Tools for mitigating the impact of climate change

4. Participation cost

- The airfare cost should be covered by the participant, by his/her employer, or by the granting institution;
- The total cost of lodging at full board for single in a double room during the duration of the workshop, including tuition fees and field trips transportation will amount to app. 200\$ per day (inc. insurance). Total for the whole period 2400\$.

5. Scholarships

Scholarships, covering accommodations at full board (two persons per room) during the duration of the workshop, tuition fees and field trip transportation will be provided for participants from developing countries, by the Government of Israel – MASHAV – Israel's Agency for International Development Cooperation.

6. Criteria

The Advanced Workshop is designed primarily for meteorological staff of National Meteorological and Hydrological Services engaged and interested in application of advanced agrometeorological methodologies and techniques in mitigating the effect of climate change.

7. Language

The workshop will be held in English. A working knowledge of English is mandatory.

8. Training Staff

The workshop will be conducted by senior staff of the IMS/WMO RTC Bet Dagan having extensive knowledge and experience in Climatology, Agrometeorology and Agronomy, in Israel and elsewhere. Invited guest lecturers will also participate in providing and sharing their knowledge and experience in specific fields of expertise.

9. Registration

Interested candidates are requested to complete the attached Participant Application Form for the workshop and return it directly to RTC Bet-Dagan, Israel Meteorological Service, P.O. 25 Bet-Dagan 50250 Israel, with an e-mail to rmtc@ims.gov.il or to [gershteing@ims.gov.il](mailto:gershsteing@ims.gov.il) not later than the **21 April 2014**.



ADVANCED WORKSHOP ON CLIMATE CHANGE AND AGRICULTURE
SHEFAYIM, ISRAEL
6–19 June 2014

APPLICATION FORM

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. Do you need an entry visa for Israel? No Yes

Section B: Qualification

13. Qualification (Certificates, diplomas, degrees, etc.):
- _____
- _____
- _____
- _____
- _____

14. Please indicate your English language skills:

	Excellent	Good	Fair	Poor	Nil
Speaking					
Reading					
Writing					

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

Section C: Work Experience

16. I work in
- National Meteorological and/or Hydrological Service (NMHS)
 - WMO Regional Training Center (RTC)
 - NMHS Training Center
 - University
 - Other (Please specify) _____

17. What is your job title? _____

18. How long have you been in this position? _____

19. I am a
- Meteorologist
 - Hydrologist
 - Other (Please specify) _____

Section D: Rationale for Applying

20. How are you involved in Hydrometeorology in your position?

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

22. Statement by candidate on how she/he anticipate using the knowledge and skills from this workshop in the work after the workshop?

Place: _____ Date: _____

Signature of the Candidate: _____

To be completed and returned as soon as possible to the Organization Committee **not later than 20 April 2014** to:

Mr Giora. G. Gershtein,
IMS/WMO RTC Bet Dagan, Bet Dagan 50250, POB 25, Israel
E-mail: gershteing@ims.gov.il; rmtc@ims.gov.il
Phone: +97239403134; Mobile: +9720506212099

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