



World Meteorological Organization
Organisation météorologique mondiale

Secrétariat

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Weather • Climate • Water
Temps • Climat • Eau

Our ref.: ETR/CRS-413

GENEVA, 5 February 2013

Annexes: 2 (available in English only)

Subject: Advanced Workshop on “Climate Change and Agriculture”, Shefayim, Israel,
27 May–7 June 2013

Action required: For your information and appropriate action, as necessary, but not later than
1 April 2013

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 a training workshop on “Climate Change and Agriculture” at the RTC Bet-Dagan, Israel, from 27 May 2013 to 7 June 2013.

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.B. 25, Bet-Dagan 50250, Israel, to rmtc@ims.gov.il and gershteing@ims.gov.il not later than **1 April 2013**.

Yours faithfully,

(E. Manaenkova)
for the Secretary-General

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-6685)

cc: Hydrological Advisers to Permanent Representatives

ETR/CRS-413, ANNEX I

ADVANCED WORKSHOP ON “CLIMATE CHANGE AND AGRICULTURE”

**Shefayim, Israel
27 May–7 June 2013**

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 also be used 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 workshop's curriculum 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

- a) **Effects of climate change on agricultural production:**
 - Precipitation distribution and changes,
 - Extreme Events – Floods, Droughts, Frost and Heat waves,
 - Phenological effects.
- b) **Agrometeorological techniques:**
 - Advanced irrigation methods,
 - Usage of marginal water,
 - Climate control in horticulture and livestock buildings.

c) 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 approximately \$200 per day (inc. insurance). The total for the whole period would be \$2,400.

5. Scholarships

Scholarships, covering accommodation at full board (two persons per room) during the duration of the workshop, tuition fees and field trip transportation will be provided by the Government of Israel – MASHAV – Israel's Agency for International Development Cooperation. A limited number of air travel grants may be available.

6. Criteria

The advanced workshop is designed primarily for meteorological staff of National Meteorological and Hydrological Services engaged and interested in the application of advanced agrometeorological methodologies and techniques in mitigating the effects 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.B. 25, Bet-Dagan 50250, Israel, to rmtc@ims.gov.il or to [gershteing@ims.gov.il](mailto:gershhteing@ims.gov.il) not later than **1 April 2013**.

WORLD METEOROLOGICAL ORGANIZATION

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ETR/CRS-413, ANNEX II

**ADVANCED WORKSHOP ON
CLIMATE CHANGE AND AGRICULTURE**

**Shefayim, Israel
27 May–7 June, 2013**

APPLICATION FORM

Applicants willing to take part in this workshop are requested to fill this form and send it to:

Mr Giora. G. Gershtein, IMS/WMO RTC Bet-Dagan, P.O.B. 25, Bet-Dagan 50250, Israel
E-mail: gershteing@ims.gov.ill; rmtc@ims.gov.il before **1 April 2013**.

Please print or type

Country _____ Date of Birth _____

Family Name: _____ Given Name: _____

Work Experience _____

Education _____

Academic degree (if available) _____

Place of employment _____

Position held _____

Posting address _____

Telephone: _____ Fax: _____

E-mail: _____

Financial assistance for required travel:

Yes ☐ No ☐

Applicant's signature _____ Date _____

Recommendation of Director of the Service:

Signature_____Date_____
