



World Meteorological Organization
Organisation météorologique mondiale

Secrétariat

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Weather • Climate • Water
Temps • Climat • Eau

Nuestra ref.: ETR/CRS-1613

GINEBRA, 3 de septiembre de 2013

Anexos: 2 (disponibles en inglés solamente)

Asunto: Curso avanzado sobre “Hidrometeorología: efectos de la variabilidad del clima y del cambio climático en los recursos hídricos”, Centro regional de formación Bet Dagan, Israel (2 a 12 de diciembre de 2013, Shefayim, Israel)

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

Estimado señor/Estimada señora:

Cúmpleme informarle de que el Centro regional de formación (CRF) Bet Dagan de la Organización Meteorológica Mundial (OMM), dependiente del Servicio Meteorológico de Israel, acogerá un Curso internacional sobre “Hidrometeorología: efectos de la variabilidad del clima y del cambio climático en los recursos hídricos” del 2 al 12 de diciembre de 2013, en las instalaciones del Centro regional de formación (CRF) en Shefayim (Israel).

El Curso se ha concebido fundamentalmente para el personal meteorológico cuya ocupación e interés principales son la aplicación de técnicas y métodos hidrometeorológicos avanzados de gestión de los recursos hídricos. Su objetivo es proporcionar a los participantes una visión general e información sobre los efectos del cambio climático en aspectos del ciclo hidrológico y la disponibilidad de los recursos hídricos, así como técnicas y métodos hidrometeorológicos modernos para una gestión eficaz de los recursos hídricos. El Curso se impartirá en inglés.

El Gobierno de Israel, a través de su Agencia de Cooperación Internacional para el Desarrollo (MASHAV), otorgará becas a candidatos adecuados de países en desarrollo únicamente. Las becas cubrirán los gastos de alojamiento en régimen de pensión completa (dos personas por habitación) para toda la duración del Curso, los derechos de matrícula y los gastos de transporte de las visitas sobre el terreno.

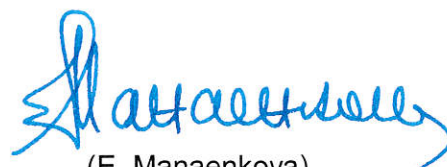
Los gastos del viaje internacional, entre ellos los billetes de ida y vuelta y los gastos de tránsito, correrán por cuenta del participante o de su gobierno. Se adjunta información sobre el Curso y el formulario de designación de participantes.

A los Representantes Permanentes de los Miembros de la Asociación Regional I (AFR-774)
Representantes Permanentes de los Miembros de la Asociación Regional II (ASE-629)
Representantes Permanentes de los Miembros de la Asociación Regional VI (EUR-730)

Copias: Asesores Hidrológicos de los Representantes Permanentes de las Asociaciones Regionales I, II y VI

Se ruega a los participantes designados que completen el formulario de designación adjunto, que deberá aprobar el Representante Permanente de su país, y que lo envíen directamente al Centro regional de formación Bet Dagan de Israel, a la dirección indicada, a más tardar el **15 de octubre de 2013**.

Le saluda atentamente.

A handwritten signature in blue ink, appearing to be 'E. Manaenkova', written in a cursive style.

(E. Manaenkova)
por el Secretario General

**ADVANCED TRAINING WORKSHOP ON HYDROMETEOROLOGY: IMPACT OF CLIMATE
VARIABILITY AND CHANGE ON WATER RESOURCES**

**Shefayim, Israel
2–12 December 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 water is one of the four key areas selected by the High Level Taskforce of GFCS.

Since Israel was successful with developing an efficient Water Management System, despite its inherent water scarcity, the growing demands of the population and the possible impact of climate change and variability, many of the methodologies and techniques developed during the years could be used also to support development and improvement of existing and planned water resources management systems in other parts of the world. These methodologies and techniques will be presented to the participants in 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 aspects of the hydrological cycle and availability of water resources;
- b) To demonstrate modern hydrometeorological techniques and methods for efficient water resources management.

3. Main Workshop Content:

Precipitation measurements:

- Observational Network
- Data Management and Quality Control

Precipitation Diagnostics and Prediction/Projection:

- Mapping
- Trends
- Statistical Analysis of Extreme Events (rainfall, floods, peak discharge)
- Sub-seasonal to Seasonal Prediction
- Climate change projections

Water Resources Management:

- Climate Change impact on the hydrological cycle (evaporation, infiltration and surface flow)
- Climate variability and change and water resources (rainfall – runoff relationship, spring flow and reservoirs recharge)
- Tools for water management under precipitation deficit conditions

- Hydrological and hydrometeorological models for water balance calculations under climate change scenarios
- Impact of land use changes on water resources
- Role of Rain Radar in Flash Flood Management

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 one person 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).

5. Scholarships

Scholarships, covering full board accommodation (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 for suitable applicants from developing countries only.

6. Criteria

The Advanced Training Workshop is designed primarily for meteorological staff of National Meteorological and Hydrological Services engaged and interested in the application of advanced hydrometeorological methodologies and techniques of water resources management.

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 and other Institutes having extensive knowledge and experience in climatology, hydrology and meteorology 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

to rmtc@ims.gov.il or to gershteing@ims.gov.il not later than the **15 October 2013**.

WORLD METEOROLOGICAL ORGANIZATION

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ETR/CRS-1613, ANNEX II

ADVANCED WORKSHOP ON CLIMATE CHANGE AND AGRICULTURE

SHEFAYIM, ISRAEL

2-12 December 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.il; rmtc@ims.gov.il

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** _____