

## WMO OMM

WEATHER CLIMATE WATER  
TEMPS CLIMAT EAU



World Meteorological Organization  
Organisation météorologique mondiale  
Organización Meteorológica Mundial  
Всемирная метеорологическая организация  
المنظمة العالمية للأرصاد الجوية  
世界气象组织

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Our ref.: 24035/2017/DRA/ETR/CRS-1317

10 July 2017

Annexes: 2 (available in English only)

Subject: Advanced Workshop on "Meteorological Warnings", RTC Bet-Dagan, Shefayim, Israel, 6-16 November 2017

Action required: For information and appropriate action, as necessary

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 "Meteorological Warnings" at the RTC Bet-Dagan, Israel, from 6 to 16 November 2017.

The objective of the workshop is to discuss the possible effects of severe weather events on different sectors, to demonstrate modern techniques for issuing weather warnings and their disseminations, and to discuss ways to improve the cooperation between the different key players in disaster risk reduction (DRR). The workshop will be conducted in English.

The Government of Israel will provide scholarships for applicants from developing countries, covering the expenses of lodging at full board (two persons sharing a room) during the duration of the workshop, tuition fees and transportation. The scholarship, however, does not cover airfare expenses to and from Israel or pocket money. Detailed workshop information, including the requirements and the procedures of application is given in Annex 1.

Interested candidates are requested to complete the attached Participant Application Form (Annex 2) for the workshop and return it directly to RTC Bet-Dagan, Israel Meteorological Service, P.O. 25 Bet-Dagan 50250 Israel, or email [rmtc@ims.gov.il](mailto:rmtc@ims.gov.il) and [gershteing@ims.gov.il](mailto:gershteing@ims.gov.il) **no later than 7 August 2017**.

Yours faithfully,

(E. Manaenkova)  
for the Secretary-General

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

cc: Hydrological Advisers to Permanent Representatives

Ref.: 24035/2017-12 DRA/ETR

## Advanced Workshop on Meteorological warnings

**Shefayim, Israel  
6-16 November 2017**

Ref.: 24035/2017-12 DRA/ETR

### 1. Introduction

The IMS/WMO RTC Bet-Dagan of the Israel Meteorological Service, in cooperation with Israel's Agency for International Development Cooperation (MASHAV), 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 public weather services (PWS), where disaster risk reduction practices (DRR) play a major role.

Each year, the impacts of severe hydrometeorological events around the world give rise to multiple casualties and significant damage to property and infrastructure, with adverse economic consequences for communities that can persist for many years. Many of these severe events can be well forecasted, and accurate warning information could be disseminated in a timely fashion by the responsible National Meteorological and Hydrological Service (NMHS). Unfortunately, even when there is an understanding of what the weather might be, there is often a lack of understanding of what the weather might do. Thus, for significant impact on the safety of the population, the NMHS should not only master the production of warnings of severe hydrometeorological events, they should also pursue the understanding of their potential impacts and the uncertainties involved, both by the authorities responsible for civil protection/emergency management and by the population at large.

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

### 2. Workshop Objectives

- To discuss the possible effects of severe weather events on different sectors
- To demonstrate modern techniques for issuing weather warnings and their disseminations
- Introduction to impact-based warning services
- To discuss ways to improve the corporation between the different key players in DRR

### 3. Learning Outcomes

#### **After the workshop, participants will be able to:**

- To build a modern warning and dissemination systems
- to understand the basics of the Common Alerting Protocol (CAP) standard, its use and how they could implement the standard
- To adjust the system standards according to international and national requirements
- To facilitate the corporation and collaboration between the NMHSs and the main users of warnings
- To create and improve the verification and validation of warnings

**4. Main Workshop Content:****Forecasts, Detection and Warning**

The role of the Warnings system

- Warning types
- International requirements and standards
- Definitions of thresholds for warnings
- Forecaster Tools for the forecasting of dangerous conditions and timely issue of warnings

**Dissemination and Communication**

- Vulnerability and Risk
- Adjusting the Communication Channel to the user needs
- Methods and technologies for warning provision and dissemination
- Common Alerting Protocol (CAP)

**Response**

- Cooperation between the key players
- Follow ups
- Warnings verification

**5. 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. 270\$ per day (incl. insurance). Total for the whole period is 2970\$.

**6. 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. These scholarships would be provided in accordance with MASHAV's requirements and procedures.

**7. Audience**

The advanced workshop is designed primarily for meteorological staff of National Meteorological and Hydrological Services engaged and interested in preparing, issuing and disseminating warnings.

**8. Language**

The workshop will be held in English. A working knowledge of English is mandatory. As a mandatory part of the acceptance procedure, all relevant candidates will have to be interviewed by local representatives of MASHAV in their countries.

**9. Training Staff**

The workshop will be conducted by senior staff of the IMS/WMO RTC Bet-Dagan having extensive knowledge and experience in Meteorology and Climatology, in Israel and elsewhere. Invited guest lecturer, from Israel as well as from abroad, will also participate in providing and sharing their knowledge and experience in specific fields of expertise.

**10. Visa Information**

Most of the participants will require a visa in order to enter Israel. For additional information <http://mfa.gov.il/MFA/ConsularServices/Pages/Visas.aspx>

The required time for obtaining a visa varies from country to country, but might take up to a few weeks. For participants flying through other countries, an additional entrance visa for these countries may be required.

**11. 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 5025001  
Israel

Email: [rmtc@ims.gov.il](mailto:rmtc@ims.gov.il) or [gershteing@ims.gov.il](mailto:gershteing@ims.gov.il) **no later than the 7 August 2017.**

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## Advanced Workshop on Meteorological Warnings

Shefayim, Israel  
6-16 November 2017

Ref.: 24035/2017-1.2 DRA/ETR

### APPLICATION FORM

1. Country : \_\_\_\_\_
  2. Title: \_\_\_\_\_ Mr/Ms/Miss/Dr/Prof/ \_\_\_\_\_
  3. First Name (Given): \_\_\_\_\_
  4. FAMILY NAME (SURNAME): \_\_\_\_\_
  5. E-mail: \_\_\_\_\_
  6. Telephone: \_\_\_\_\_
  7. Fax No: \_\_\_\_\_
  8. Official Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  9. Date of Birth: \_\_\_\_\_
  10. Nationality: \_\_\_\_\_
  11. Gender:  Female  Male
  12. What other WMO courses have you attended in the last 5 years? :  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- Place: \_\_\_\_\_ Date: \_\_\_\_\_

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

Statement by the Permanent Representative with WMO on why this nominee should be selected for this course.

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Signature of the Permanent Representative with WMO

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Ref.: 24035/2017-1.2 DRA/ETR

To be completed and returned as soon as possible to the Organization Committee **no later than 7 August 2017** to:

Mr Giora G. H. Gershtein  
IMS/WMO RTC Bet-Dagan  
Bet-Dagan 50250  
POB 25, Israel

E-mail: [gershteing@ims.gov.il](mailto:gershteing@ims.gov.il); [rmtc@ims.gov.il](mailto:rmtc@ims.gov.il); [rtc.bet.dagan@gmail.com](mailto:rtc.bet.dagan@gmail.com)  
Phone: +97239403102; Mob: +9720506212099

For those willing to receive a scholarship from MASHAV, please attach the filled in MASHAV Application Form. The Form can be found here:  
<http://mfa.gov.il/MFA/mashav/Courses/Documents/ENGLISH-Application%20Form-Updated.pdf>

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