

**WMO OMM**

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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Annex: 1 (available in English only)

Subject: International Workshop on Flood Forecasting, RTC Bet Dagan, Shefayim, Israel,
from 22 to 30 October 2023

Dear Sir/Madam,

I have the pleasure to inform you that the Regional Training Centre (RTC) Bet Dagan in cooperation with Israel Hydrological Service, the Institute of Earth Sciences at the Hebrew University of Jerusalem, and Israel's Agency for International Development Cooperation (MASHAV) will hold a workshop on Flood Forecasting from 22 to 30 October 2023.

The workshop is aimed towards training meteorologists and hydrologists from the National Meteorological and Hydrological Services (NMHSs) in developing countries: forecasters with one to five years experience and researchers working in operational forecasting centres. The objectives of the workshop are building a common language between meteorological and hydrological organizations; providing meteorological and hydrological theoretical knowledge regarding flood forecasting and the uncertainties involved and; gaining best practices of operational flood forecasting and practical tools for supporting decision makers.

The workshop will be conducted in MASHAV's Training Centre in Shefayim, Israel in the English language. The detailed workshop information including the requirements and the procedures of application is given in the [annex](#).

Interested candidates are requested to complete the online participant [Application Form](#) for the workshop not later than **10 August 2023**.

Yours faithfully,

Prof. Petteri Taalas
Secretary-General

To: Permanent Representatives of Members with WMO
cc: Hydrological Advisers



International Workshop on Flood Forecasting Shefayim, Israel 22 to 30 October 2023

1. Introduction

Floods are among the world's deadliest natural hazards. Each year, flooding causes more deaths than any other natural hazard and has severe social, economic, and environmental impacts. Flood forecasting is a fundamental aspect in building the capacity of flood emergency management in order to save lives and minimize damage to infrastructure and property. Flood forecasting requires expertise in hydrology and meteorology combined with knowledge of local conditions. It also requires understanding the needs of forecast clients and stakeholders for best collaboration and procedures.

This workshop aims to give participants knowledge and practical tools for flood forecasting and early warning dissemination, as well as enhance collaboration between meteorologists, hydrologists, and other related emergency agencies. It will focus on how to establish a forecasting centre to achieve these goals.

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

2. Workshop Objectives

- Building a common language between meteorological and hydrological organizations
- Providing meteorological and hydrological theoretical knowledge regarding flood forecasting and the uncertainties involved
- Gaining best practices of operational flood forecasting and practical tools for supporting decision makers

After the workshop, participants will be able to:

- Use various methods and forecasting tools
- Effectively operate flood forecasting centres
- Collaborate with emergency authorities

3. Main Workshop Content

- Meteorological models for forecasting rain
- Theoretical background on hydrology
- Hydrological models for flood forecasting and ensemble tools
- Using Radar and Satellite for flood forecasting
- Hydrological observations
- Issue and disseminate warnings
- How to establish a forecasting centre
- Forecast centre operations

4. Participation cost

The airfare cost should be covered by the participant, by his/her employer, or by the granting institution.

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

6. Audience

The course is aimed for meteorologists and hydrologists from NMHSs in developing countries: forecasters with one to five years of experience and researchers, or people involved in operational forecasting centres.

7. 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.

8. Training Staff

The workshop will be conducted by senior staff of the IMS/WMO RTC Bet Dagan, Israel Hydrological Service, and the academy having extensive knowledge and experience in meteorology, hydrology, and forecasting in Israel and elsewhere. Invited guest lecturers, from Israel as well as from abroad will also participate in providing and sharing their knowledge and experience in specific fields of expertise.

9. 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.

10. Registration

Interested candidates are requested to complete the [online registration form](#) no later than **10 August 2023**.
