

**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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Anexo: 1 (disponible en inglés solamente)

Asunto: Taller en línea sobre el uso de herramientas mundiales para la predicción de crecidas y sequías

Estimado señor/Estimada señora:

Tengo el placer de informarle que el Centro Regional de Formación (CRF) de Israel, en cooperación con el Organismo de Cooperación Internacional para el Desarrollo (MASHAV) de Israel, organizará un taller introductorio sobre el uso de herramientas mundiales para la predicción de crecidas y sequías que se celebrará en línea del 8 al 11 de diciembre de 2025.

Esta actividad está destinada a pronosticadores, climatólogos, hidrólogos e investigadores de Servicios Meteorológicos e Hidrológicos Nacionales (SMHN) de países en desarrollo. Los objetivos del taller son analizar las herramientas mundiales para la predicción de crecidas y sequías y, al mismo tiempo, familiarizar a los participantes con herramientas y técnicas esenciales de análisis y predicción de crecidas y sequías disponibles de fuentes de acceso libre.

Los diversos temas del taller se abordarán tomando en consideración las competencias requeridas para la prestación de servicios climáticos que figuran en la publicación *Compendium of WMO Competency Frameworks* (WMO-No. 1209) (Compendio de los marcos de competencias de la OMM).

El taller se impartirá en línea únicamente en inglés. En el [anexo](#) a la presente carta figura información detallada sobre esta actividad, en particular, el procedimiento de inscripción y los requisitos que deben cumplirse.

Se ruega a los candidatos interesados en participar en el taller que completen el [formulario de inscripción en línea](#) no más tarde del **26 de septiembre de 2025**.

Le saluda atentamente.

Profesora Celeste Saulo  
Secretaria General

A los Representantes Permanentes de los Miembros ante la OMM

Copias: Asesores Hidrológicos

**ONLINE WORKSHOP ON**  
**USING GLOBAL TOOLS FOR FLOOD AND DROUGHT PREDICTIONS**  
**8–11 December 2025**

## **1. Introduction**

In line with the WMO *Early Warnings for All initiative*, floods and drought remain among the most challenging hazards to forecast, particularly flash floods. Flash floods account for approximately 85% of all flood events and have the highest mortality rate of any flood type. They occur suddenly, with less than six hours between the triggering event and the onset of flooding, making real-time forecasting (nowcasting) critical. These floods are typically short in duration but extremely intense, often featuring a high peak discharge. Their destructive force is immense, capable of altering river courses, burying structures in mud, and sweeping away everything in their path.

Drought is one of the most devastating natural hazards worldwide, with far-reaching impacts on agriculture, water resources, ecosystems, economies, and human health. It has caused billions of dollars in economic losses and triggered severe indirect consequences, including malnutrition, disease outbreaks, and population displacement.

Floods and drought are complex hydrometeorological events that are difficult to predict. Effectively preparing for them requires expertise in both hydrology and meteorology, along with a deep understanding of local conditions.

This short workshop aims to provide participants with both theoretical knowledge and practical tools to predict floods and drought, issue early warnings, and enhance collaboration among forecasters, and other emergency response personnel. The workshop is a joint initiative of the Israeli Meteorological Service (IMS) and Israel's Agency for International Development Cooperation (MASHAV), with contributions from WMO, the European Commission's Joint Research Centre (JRC) and the European Centre for Medium-Range Weather Forecasts (ECMWF). It is designed for postgraduate-level meteorologists or hydrologists working in National Meteorological and Hydrological Services (NMHSs) in developing countries.

## **2. Workshop objectives**

An introduction to key global tools and techniques for forecasting floods and drought, with an emphasis on developing practical proficiency in their application.

## **3. Workshop outcomes**

- Participants will gain practical knowledge of online free tools for floods and drought forecasts
- Participants will understand the limitations and challenges faced by NMHSs in providing flood and drought forecasts
- Participants will understand the impact of climate change on floods and drought frequency of occurrence and severity
- Armed with knowledge about flood and drought forecasting tools and their limitations, participants will make informed decisions related to issuing early warnings for all

**4. Course format**

Synchronous lectures and practical exercises.

**5. Participation cost**

The workshop is free of charge.

**6. Training staff**

The workshop will be conducted by senior staff from IMS, WMO, JRC and ECMWF, who will share their knowledge and experience.

**7. Audience**

The workshop is aimed at forecasters, climatologists, hydrologists, and researchers from NMHSs in developing countries.

**8. Language**

The workshop will be held in English. A working knowledge of English is mandatory. All candidates will be interviewed online before the course.

**9. Student assessment**

- A minimum of 90% attendance is required
- The participants should have all technical accessories for a complete and active participation throughout the course
- The students will have mandatory and non-mandatory assignments
- A final project will be conducted

**10. Registration**

Interested candidates are requested to complete the [online application form](#) not later than **26 September 2025**.

**11. For further information**

Please contact [leviyo@ims.gov.il](mailto:leviyo@ims.gov.il) from RTC in Israel.

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