



Notre réf.: 08607/2025/SI/ETR/CRS-3525

4 juillet 2025

Annexe: 1 (disponible en anglais seulement)

Objet: Atelier en ligne sur l'utilisation d'outils mondiaux pour la prévision des inondations et des sécheresses

Madame, Monsieur,

J'ai le plaisir de vous informer que le Centre régional de formation professionnelle en Israël organisera, en collaboration avec l'Agence israélienne de coopération pour le développement international (MASHAV), l'atelier d'introduction en ligne mentionné en objet du 8 au 11 décembre 2025.

Cet atelier s'adresse aux prévisionnistes, climatologues, hydrologues et chercheurs des Services météorologiques et hydrologiques nationaux (SMHN) de pays en développement. Il vise à permettre aux participants d'étudier les outils mondiaux de prévision des inondations et des sécheresses et de se familiariser avec les techniques et outils fondamentaux disponibles gratuitement pour analyser et prévoir les inondations et les sécheresses.

Les thèmes de cet atelier se fondent sur les compétences requises pour la prestation de services climatologiques, telles qu'elles figurent dans le [Compendium of WMO Competency Frameworks](#) (WMO-No. 1209) (*Recueil des cadres de compétences de l'OMM*).

Vous trouverez dans l'[annexe](#) de plus amples informations sur cet atelier en ligne, qui se déroulera en anglais, notamment les conditions de participation.

Les candidats intéressés sont priés de remplir le [formulaire d'inscription en ligne](#) au plus tard le **26 septembre 2025**.

Veuillez agréer, Madame, Monsieur, l'expression de ma considération distinguée.

Celeste Saulo
Secrétaire générale

Aux: Représentants permanents des Membres de l'OMM

cc: Conseillers en hydrologie

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

Ref.: 08607/2025-1.4 SI

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 from RTC in Israel.
