



STATE OF ISRAEL



Israel's Agency for International  
Development Cooperation  
Ministry of Foreign Affairs



MASHAV International Agricultural  
Training Center



## MASHAV - Israel's Agency for International Development Cooperation

together with

Israel Meteorological Service – IMS

Israel Hydrological Service – HIS

Institute of Earth Sciences , The Hebrew University  
of Jerusalem

in cooperation with

World Meteorological Organization - WMO

invite English-speaking professionals to participate in the

International Workshop on

## FLOOD FORECASTING

22<sup>nd</sup>– 30<sup>th</sup> October, 2023

Shefayim, Israel



## Background

Floods are among the world's deadliest natural hazards. Each year, flooding causes more deaths than any other natural hazard and have severe social, economical 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 forecasts 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 center to achieve these goals.

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

## About the program

### Aims

- ✓ 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.

### Main Subjects

The program will include professional lectures and practical exercises on: Meteorological models for forecasting rain; Theoretical background on hydrology; Hydrological models for flood forecasting and ensemble tools; Using Radar & Satellite for flood forecasting; Hydrological observations; Issue and disseminate warnings; How to establish a forecasting center and; Forecast center operation.

## General Information

### Arrival and Departure

Arrival date: 22<sup>nd</sup> October, 2023

Official opening: 23<sup>rd</sup> October, 2023

Official closing: 30<sup>th</sup> October, 2023

Departure date: 30<sup>th</sup> October, 2023

Participants must arrive at the training center on the arrival date, and leave on the departure date. Early arrivals/late departures, if required, must be fully coordinated in advance. Participants will have to cover any additional costs that may be incurred from early/late arrival/departure.

### Location and Accommodations

The program will be held at MATC - MASHAV's International Agricultural Training Center in Kibbutz Shefayim, situated 20 km north of Tel Aviv and near the coastal city of Netanya. Participants will be accommodated at the Hotel of Kibbutz Shefayim in double rooms.

MASHAV awards a limited number of scholarships. The scholarship covers the cost of the training program including lectures and field visits, full board accommodation in double rooms, health insurance and transfers to and from the airport. Airfares and daily allowance are not included in the scholarship.

### Application Requirements

The target audience for the workshop are meteorologists and hydrologists, forecasters with 1-5 years experience. A full command of English is required.

### Application forms

Candidates must complete the [online application form](#) not later than **10<sup>th</sup> August, 2023**.

### General Health Services:

**MASHAV'S Medical insurance** covers only medical services and hospitalization in case of emergency. It does not cover the treatment of chronic or existing conditions, specific medications taken by the participant on a regular basis, dental care and eyeglasses. Participants will be responsible for all other expenses, which are not covered by the insurance policy. Israeli Health authorities recommend that all visitors to Israel make sure they **have been vaccinated against tetanus in the last ten years**.

### About MASHAV

**MASHAV** – Israel's Agency for International Development Cooperation is dedicated to providing developing countries with the best of Israel's experience in development and planning. As a member of the family of nations, The State of Israel is committed to fulfilling its responsibility to contribute to the fight against poverty and to the global efforts to achieve sustainable development. **MASHAV**, representing Israel and its people, focuses its efforts on capacity building, sharing relevant expertise accumulated during Israel's own development experience to empower governments, communities and individuals to improve their own lives. **MASHAV's** approach is to ensure social, economic and environmental sustainable development, and is taking active part in the international community's process of shaping the Post-2015 Agenda, to define the new set of the global Sustainable Development Goals (SDG).

**MASHAV's** activities focus primarily on areas in which Israel has a competitive advantage, including agriculture and rural development; water resources management; entrepreneurship and innovation; community development; medicine and public health, empowerment of women and education. Professional programs are based on a "train the trainers" approach to institutional and human capacity building, and are conducted both in Israel and abroad. Project development is supported by the seconding of short and long-term experts, as well as on-site interventions.

Since its establishment, **MASHAV** has promoted the centrality of human resource enrichment and institutional capacity building in the development process – an approach that has attained global consensus.

<https://www.facebook.com/MASHAVisrael>;

## About WMO/IMS RTC Bet-Dagan

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.

## About MATC

**MATC** - MASHAV's International Agricultural Training Center - specializes since 1963 in human capacity building and training programs in the fields of agriculture, water management, environment and rural development. **MATC** conducts international, regional and country tailor made training programs as well as professional visits, workshops and conferences based on Israel's development experience, sharing both agricultural know-how, and Israel's unique spirit of innovation. MATC's training programs conducted in English, Spanish, French, Russian and Arabic, are specifically designed to improve agricultural production in developing countries, to promote food security and to create partnerships through ongoing international cooperation, for enhancing global sustainable development. To this purpose, **MATC** works in close cooperation with Israel's Ministry of Agriculture and Rural Development and its Agricultural Research Organization (ARO), as well as with Israel's universities, agricultural organizations, farmers and the private sector.

<https://matc.mfa.gov.il/>

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<https://www.youtube.com/c/MASHAVMATC>