



STATE OF ISRAEL



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



Israeli Meteorological Service

MATC

MASHAV's International
Agricultural Training Center



World Meteorological
Organization

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

together with

**the Israeli Meteorological Service – IMS and
the World Meteorological Organization -WMO**

invite professionals

to participate in the

International Course:

Meteorological Warnings

5th- 17th November, 2017

Shefayim – Israel



About the Course

Background

The topics of this course 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 hydro-meteorological 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 hydro-meteorological 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

Aims

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

It is expected that participants will be able to:

- To build a modern warning and dissemination systems
- To define a common alert protocol (CAP)
- 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

Main Subjects

The course will include professional lectures and visits on the following subjects:

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 Alert Protocol (CAP)

Response

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

Application

Application Requirements

The workshop is designed primarily for meteorological and hydrological professional staff of National Meteorological and Hydrological Services engaged in development and implementation of hydro-meteorological warning systems and disaster risk reduction practices. Academic background as well as at least five years' experience in relevant fields and English proficiency are required.

Application forms

Application forms and other information may be obtained at the nearest Israeli mission or at MASHAV's website: <http://mashav.mfa.gov.il/MFA/mashav/Courses/Pages/default.aspx>.

Completed application forms, including the health declaration, should be sent to the relevant Israeli mission in the respective country until **25th August, 2017**.

General Information

Arrival and Departure

Arrival date: 5.11.2017
Opening date: 6.11.2017
Closing date: 16.11.2017
Departure date: 17.11.2017

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 arranged by the participants themselves, directly with the hotel/center, and must be paid for by the participant him/herself.

Location and Accommodation

The course will be held at **MATC - MASHAV's** International Agricultural Training Center at Kibbutz Hotel Shefayim, situated 20 km north of Tel Aviv near the coastal city of Netanya.

Participants will be accommodated at Hotel Kibbutz Shefayim in double rooms (two participants per room).

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 (see below) and transfers to and from the airport. Airfares and daily allowance are not included in the scholarship.

Health Services

Medical insurance covers medical services and hospitalization in case of emergency. It does not cover the treatment of chronic or serious diseases, 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 policy conditions. Health authorities recommend that 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 which has attained global consensus.

<http://mashav.mfa.gov.il>

<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 specific courses as well as professional study-tours, workshops and conferences based on Israeli agricultural know-how, innovation, and development experience. Its 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 as well as ongoing international cooperation for sustainable development. **MATC** works in close cooperation with Israel's Ministry of Agriculture and Rural Development and its Center for International Agricultural Development Cooperation - CINADCO.

<https://www.facebook.com/MATCShefayim>

For further information, please contact:

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