



STATE OF ISRAEL

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

together with

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



MASHAV

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

invite professionals

to participate in the

International Course:

Climate Change and Agriculture



Israeli Meteorological Service

14th - 26th May, 2017

Shefayim – Israel

MATC

MASHAV's International
Agricultural Training Center



World Meteorological
Organization



About the Course

Background

The topics of this workshop are in accordance with the concept of the Global Framework for Climate Services (GFCS), where agriculture is one of the four key areas selected by the High Level Taskforce of GFCS.

Since Israel was successful with developing agriculture, despite the negative impact of its climate and water resources scarcity on its agricultural production, many of the methodologies developed during the years could be used also for mitigating the results of climate change and increasing the agricultural production.

This workshop will demonstrate advanced methodologies and techniques developed in order to compensate for the impact of unfavorable climate conditions on agricultural production. It will introduce Israel's knowledge in various fields such as: (i) Irrigation and water management under changing climate conditions (ii) Implementation of agro-technologies for microclimate control, (iii) Cultivation of crops resistant to climate change (iv) User-Provider Interaction, etc.

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

Aims

- a) To discuss the effects of climate change on different fields of agriculture and agricultural production.
- b) To demonstrate modern agrometeorological techniques and methods for mitigating the effects of climate change.

Main Subjects

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

Climate change and its effects on agricultural production:

- Precipitation distribution and changes
- Extreme events – floods, droughts, frost and heatwaves
- Phenological effects
- Pest and disease effecting agricultural yields

Agrometeorological techniques:

- Water management and implementation of irrigation systems:
 - Evapotranspiration estimation (Penman-Monteith)
 - Usage of marginal water
- Micro climate control
- GIS, Satellite Imagery and other means of remote sensing as integrative tools for decision making
- Soil management
- Eco-Agriculture (the coexistence between the agriculture and natural environment)

Forecast and risk management for improving agricultural production:

- Weather and climate forecasts and their impact on agriculture
- Usage of economical tools for mitigating the impacts of climate change

Application

Application Requirements

The advanced workshop is designed primarily for meteorological staff of National Meteorological and Hydrological Services engaged and interested in application of advanced agrometeorological methodologies and techniques in adapting and mitigating the possible effects of climate change. Candidates should hold an academic degree in related disciplines and at least two years of professional work experience. A full command of English is 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 28th February, 2017**.

General Information

Arrival and Departure

Arrival date:	14.05.2017
Opening date:	15.05.2017
Closing date:	25.05.2017
Departure date:	26.05.2017

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 (two participants per room), 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 (SDGs).

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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