



STATE OF ISRAEL



MASHAV

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



Israel Meteorological Service
Ministry of Transport



CINADCO

Center for International Agricultural
Development Cooperation

Ministry of Agriculture and Rural
Development



**World
Meteorological
Organization**
Weather • Climate • Water

MASHAV - Israel's Agency for International Development Cooperation

with

Israeli Meteorological Service (IMS), CINADCO and the
WORLD Meteorological Organization (WMO)

invite professionals
to participate in the

International Course: Climate Change and Agriculture

April 3rd – April 15th, 2016



About the Course

Background

Since Israel was successful with developing a thriving agriculture, despite the negative impacts 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 Israeli and international knowledge in various fields.

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

Aims

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

Main Subject

Impacts of climate change on agricultural production:

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

Agrometeorological techniques:

- Evapotranspiration (Penman-Monteith) and advanced irrigation methods
- Usage of marginal water
- Climate control in agricultural buildings
- GIS, Satellite Imagery and other means of remote sensing as integrative tools for decision making
- Soil conservation (combating soil degradation)
- 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

After the workshop, participants will be able to:

- a) Communicate the existing and potential effects of climate change to the agricultural stakeholders in their country or region.
- b) Make recommendations to agricultural stakeholders on efficient water usage
- c) Use GIS and remote sensing for decision making
- d) Advise government officials on soil conservation and eco-agricultural strategies.
- e) Improve the work of the relevant units in their services and strengthen the provider-user relations between their staff (researchers, forecasters, extension officers, etc.) and other professional staff with the local farming communities.

Application

Application Requirements

The advanced workshop is designed primarily for meteorological and hydrological staff of National Meteorological and Hydrological Services engaged and interested in application of advanced agrometeorological methodologies and techniques in adapting and mitigating the possible impacts of climate change. 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 medical form, should be sent to the relevant Israeli mission in the respective country.

General Information

Arrival and Departure

Arrival date:	03.04.2016
Opening date:	04.04.2016
Closing date:	14.04.2016
Departure date:	15.04.2016

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

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. Health authorities recommend that visitors to Israel make sure they have been inoculated against tetanus in the last ten years. Subject to the full binding policy conditions. Participants are responsible for all other expenses.

The course will be held at CINADCO's International Training Centre 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).

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 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 CINADCO

The Center for International Agricultural Development Cooperation (CINADCO) is a part of Israel’s Ministry of Agriculture and Rural Development. Since 1958, CINADCO has been in charge of the international agricultural program conducted by MASHAV in Israel and abroad. CINADCO’s activities consist of: international, regional and country “tailor-made” courses in Israel, on-the-spot courses, long- and short-term project planning and advisory missions. Israeli experts have also been sent to different locations around the world to conduct projects and to share their expertise in various aspects of agricultural production, extension and project planning. <http://www.cinadco.moag.gov.il/cinadco>

About WMO

The World Meteorological Organization (WMO) is a specialized agency of the United Nations. It is the UN system’s authoritative voice on the state and behavior of the Earth’s atmosphere, its interaction with the oceans, the climate it produces and the resulting distribution of water resources. <https://www.wmo.int/>

For further information, please contact:

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