



STATE OF ISRAEL



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



CINADCO - Centre for  
International Agricultural  
Development Cooperation,  
Ministry of Agriculture and  
Rural Development



ARO – Agriculture Research  
Organization, the Volcani  
Center, Ministry of Agriculture  
and Rural Development

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

**with**

**CINADCO - Centre for International Agricultural  
Development Cooperation and the ARO – the Volcani Center,  
Ministry of Agriculture & Rural Development**

invite professionals  
to participate in the

**International Course:**  
**The 21<sup>st</sup> Century Challenge –  
Improving Production of Animal  
Husbandry**

**In cooperation with the Research Institute of Animal  
Sciences**

**10-29 June, 2018**



## About the Course

### Background

The subject and content of the course are consistent with the U.N. Sustainable Development Goals - To end hunger, achieve food security and improved nutrition and promote sustainable agriculture (SDG No. Two).

Despite the remarkable progress made in increasing food production worldwide, approximately half of the population in the developing countries does not have access to adequate food supplies; thus the food security problem is worsening and a major challenge of the 21st century is food supply

Domesticated animals supply a significant portion of the world's population protein consumption. Assuming that food production must increase by 50% until 2030, in order to supply enough food for 10 billion people by 2050, the agriculture research faces crucial challenges.

Livestock systems are a significant global asset with a value of at least \$1.4 trillion. The livestock sector is increasingly organized in long market chains that employ at least 1.3 billion people globally and directly support the livelihoods of 600 million poor smallholder farmers in the developing world. Keeping livestock is an important risk reduction strategy for vulnerable communities, and livestock are important providers of nutrients and traction for growing crops in smallholder systems. Livestock products contribute 17 per cent of kilocalorie consumption and 33 per cent of protein consumption globally, but there are large differences between rich and poor countries.

The main goal of modern research is to improve production, efficiency and profit. To this end, the Volcani Center in Israel is a world leading institute in livestock research including research on ruminants, aquaculture, and poultry. To enhance the livestock production, the institutes' research uses multiple approaches including improving breeding using modern genetics and epigenetics, improving nutrition and management, implementation of advanced and modern technologies, and reducing illnesses.

### Aims

Toward sustainable agricultural systems in the 21st century, the aim of the course is to teach how to improve animal production and profit by the development of adjusted optimal animal breeds to the environment, improve the nutrition and management and address the quality of product.

### Main Subjects

- Demonstrating methods to improve performance of fish, poultry, cattle and sheep using multidisciplinary approaches.
- Teaching how to maintain performance and welfare under abiotic and biotic stresses.
- Improving the quality of products.
- Developing and applying genomic, statistic and bio-informatics techniques in order to selectively breed domestic animals.

## **Application**

### **Application Requirements**

This course is designed for professionals from governmental institutions, universities and research institutes, extension workers, private companies and non-governmental organizations involved in agricultural research and/or extension programs. Candidates should hold an academic degree in related disciplines with at least a three- year 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: [click here](#).

Completed application forms, including the medical form, should be sent to the relevant Israeli mission in the respective country by or before [April 15<sup>th</sup>, 2018](#).

## **General Information**

### **Arrival and Departure**

Arrival date:	June 10 <sup>th</sup>
Opening date:	June 11 <sup>th</sup>
Closing date:	June 28 <sup>th</sup>
Departure date:	June 29 <sup>th</sup>

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 **Volcani Center campus in Bet-Dagan**, situated **10 km east of Tel Aviv, Israel**. Participants will be accommodated at **Neve Shalom Hotel, Latrun**, 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>; [MASHAV Facebook](#)

## About CINADCO

The Center for International Agricultural Development Cooperation (CINADCO) is a part of the Israel 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 and country “tailor-made” courses in Israel, on-the-spot courses, long- and short-term projects 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.

[CINADCO Facebook](#)

### **For further information, please contact:**

CINADCO

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## About ARO

The Agricultural Research Organization (ARO), the Volcani Center, is the research arm of the Ministry of Agriculture and Rural Development and is responsible for most of the agricultural research conducted in Israel. The scientists of the ARO collaborate with the regional R&D Stations and with the Agricultural Extension Service of the Ministry of Agriculture. Research at the ARO aims to improve existing agricultural production systems and introduce new products, processes and equipment on which Israel's future agricultural efforts will be based. ARO website: [Click here](#)