

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

**with**

The Arava Institute for Environmental Studies  
invite professionals  
to participate in the



STATE OF ISRAEL

**International Course:**

**Renewable Energy as a Catalyst for Regional  
Development**



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

**May 7th– May 23rd, 2017**



Arava Institute for  
Environmental Studies

Kibbutz Ketura, Israel



# About the Course

## Background

Energy is crucial for economic growth and social progress. Achieving sustainable growth requires solutions to today's environmental problems and call for long-term actions for sustainable development. In this regard, renewable energy resources are one of the most efficient and effective solutions. The use of renewable and clean energy is increasing and will be the effective and practical choice to guarantee future global development. Renewable energy sources such as solar, wind, biomass and geothermal offer solutions for various problems that challenge the development of many regions around the world. The vital role and the potential of renewable energy in regional development have been globally recognized, and should be implemented as rapidly as is needed.

This training program, to be held at the Arava Institute for Environmental Studies, located on Kibbutz Ketura in the south of Israel, provides an opportunity for mid-level professionals from the private and public sector to gain knowledge about the basics of renewable energies and how to use renewable energy sources as a catalyst for regional development. The training program will utilize the extensive knowledge of the Center for Renewable Energy and Energy Conservation at the Arava Institute and the Eilat-Eilat Renewable Energy Initiative.

The program will be composed of lectures by experts in their fields and workshops, as well as field trips to see technologies and renewable energy installations in action. Participants will be encouraged to share their own professional experiences, network, and work jointly in applying various solutions to their individual situations in their home countries.

## Aims

- To understand the current trends of traditional energy production and consumption locally, nationally, and on a global basis.
- To introduce the participants to renewable energy basics.
- To improve the participants' knowledge of efficient energy use.
- To provide participants with expert advice on specific questions they may have regarding renewable energy utilization in their home countries.
- To teach successful integration of renewable energy in sustainable development projects.
- To introduce the participants to off-grid technologies

## **Main Subjects**

Introduction to energy and renewable energy

Strategic role of renewable energy

- Policy tools
- Trends
- Energy security
- Economics

Renewable energy - small and large scale technologies

Bio-gas uses and applications

- Heating and cooking
- Refrigeration

Waste to energy

Entrepreneurship in the renewable energy field

Lab and fieldwork experiences

## **Application**

### **Application Requirements**

The target audience for this course is those who are interested in expanding their knowledge and initiatives into sustainable and renewable energy management in their communities.

This training program is intended for mid-level professionals, working for government, non-governmental organizations, decision-making bodies, academia and the private sector. Our expectation is that a program of this type will be especially appealing to professionals who work on alternative energy management, energy production and for those who work in sustainable community development.

The program will be conducted in English. It is essential that the participants have a high level of reading, writing and speaking in English.

Participants should have at least the equivalent of a university degree or professional diploma and a desire to leverage their knowledge in a field related to energy.

Competition for the MASHAV Courses is merit-based and selection will be made on the basis of applicants' achievements, interest, added value of the program to the participant, professional aptitude, leadership potential in the field of Renewable Energy, and knowledge of English.

Funding for the MASHAV Courses is limited and the program is highly competitive; not all qualified applicants will receive awards.

Applications should be submitted no later than March 3rd, 2017. A copy of the application should be sent to the Israeli Embassy nearest to you as well as Ms. Tali Adini at [tali@arava.org](mailto:tali@arava.org)

### **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**

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 spending allowance are not included in the scholarship.

### **Arrival and Departure**

|                 |                        |
|-----------------|------------------------|
| Arrival date:   | Sunday May 7, 2017     |
| Opening date:   | Monday May 8, 2017     |
| Closing date:   | Tuesday May 23, 2017   |
| Departure date: | Wednesday May 24, 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 the Arava Institute for Environmental Studies, situated at Kibbutz Ketura in the Arava Desert, four hours drive from the center of Israel. Kibbutz Ketura is a collective community, located in the Arava valley of Israel. It is approximately 50 kilometers from the Red Sea resort city of Eilat in the south of Israel. In May the weather will be hot; temperatures will range from around 35°- 40°C during the day and down to about 25°C at night. For more information on Kibbutz Ketura, you can access the website at: <http://ketura.org.il/>

### **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. Participants are responsible for all other expenses.

## 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 the Arava Institute

The Arava Institute for Environmental Studies is the premier environmental teaching and research program in the Middle East, preparing future Arab and Jewish leaders to cooperatively solve the region’s environmental challenges. Located in the heart of Israel’s Arava desert, the Arava Institute is a unique oasis of environmental education, research, and international cooperation.

Students and researchers at the Arava Institute explore a range of environmental issues from a regional, interdisciplinary perspective while learning peace-building and leadership skills. The studies are international in scope, with a student body comprised of Jordanians, Palestinians, Israelis, and North Americans, as well as other nationalities. The Arava Institute gives Jewish, Arab and other students and researchers a unique opportunity to study and live together for an extended period of time; building networks and understanding that will enable future cooperative work and activism in the Middle East and beyond. Here, the idea that nature knows no political borders is more than a belief. It is a fact, a curriculum, and a way of life.

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

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