



STATE OF ISRAEL



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



Arava Institute for
Environmental Studies

Kibbutz Ketura, Israel

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

with

The Arava Institute for Environmental Studies

invite professionals

to participate in the

International Course:

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

November 18th – December 7th , 2018



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 renewable energy projects they may want to implement 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 sources

Strategic role of renewable energy

- Policy tools
- Trends
- Energy security
- Economics

Renewable energy - small and large scale technologies for power and heat generation

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, August 31st 2018 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

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 November 18, 2018 |
| Opening date: | Monday November 19, 2018 |
| Closing date: | Thursday Dec 6, 2018 |
| Departure date: | Friday Dec 7, 2018 |

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. Participants are housed two to a room throughout the course.

In Nov/Dec the weather will be comfortable; temperatures will range from around 25°- 30°C during the day and down to about 15°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 a leading environmental studies and research program in the Middle East. It houses academic programs in partnership with Ben Gurion University, research centers, and international cooperation initiatives focusing on a range of environmental concerns and challenges.

With a student body comprised of Jordanians, Palestinians, Israelis, and students from around the world, the Arava Institute offers students an exceptional opportunity to learn from leading professionals while forming friendships and developing skills that enable them to lead the region and the world in solving today’s most pressing environmental challenges.

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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