

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

**with**

The Arava Institute for Environmental Studies

invite professionals

to participate in the



STATE OF ISRAEL



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



Arava Institute for Environmental  
Studies

**International Course:**

**Environmental Management of Nature Parks  
and Reserves: focus on Ecosystem Services**

**June 10th – June 29<sup>th</sup>, 2018**



## About the Course

### Background

Ecosystem services are defined as the benefits provided by ecosystems to humans.

Ecosystem services are commonly valued in ecological, economic or social terms. They have emerged as a prominent conceptual link between environment and society. Ecosystem services have managed to bridge the gap between nature conservation for the sake of nature and the concern for people's welfare. The argument for the protection of species and ecosystems can also be made in terms of the role of ecological systems in sustaining people's livelihoods and quality of life. Understanding how protection and proper management of ecosystems benefits society is important to professionals who work in environmental management because it provides them with tools to communicate this importance to stakeholders and the public. It has been shown that when the public understands the value of ecosystems, it is easy to gain the support that is so vital to nature conservation.

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 to gain knowledge about the basics of environmental management and ecosystem services. The primary topics include the principles of ecosystem management, ecosystem services and their value. We will teach participants the vocabulary and tools to work with government offices and ministries. Our course will include lectures and seminars from ecologists, nature reserve rangers, economists, sociologists and representatives from the Israeli Ministry of Environmental Protection.

The training program will utilize the extensive knowledge of the Arava Institute Center for Hyper Arid Socio-Ecology. In this course we will explain how arid lands function and what services they provide. We will teach what ecosystem services are, give examples of how they benefit society and how better management of ecosystems benefits societies. We will discuss different management styles with an emphasis on biosphere reserves. We will show how ecosystem services can be assessed, valued, priced and be translated to management practices. We will focus on the differences in management between several types of eco-systems. The course format will also include elements of renewable energy use, sustainable agriculture and water resource management in the framework of the whole life cycle approach of the Arava Center for Sustainable Development.

## **Aims**

- Understand the concept of ecosystem services, its terminology, the division into categories, and its ecological, anthropological and economic aspects
- Learn how to build a management scheme based on the Ecosystems Services concept
- Assess Ecosystem Services values under different circumstances and scenarios of park management
- Learn the concept of a biosphere reserve and its management
- Learn about off-grid technologies as supporting tools in the operation and management of biosphere reserves
- Learn about the concept of ecosystem integrity
- Learn the DPSIR model and how to use it for management of nature reserves, parks and other public areas.
- Understand the structure and function of arid land ecosystems and use desert ecosystem integrity as a case study
- Understand the pressures and conflicts on arid lands
- Learn to teach rangers, government officers, and the public about Ecosystem Services
- Prepare a park management plan based on the Ecosystem Services Principle

## **Main Subjects**

- Review of the principles and concepts of Ecosystems
- Using an Ecosystem Services approach to understand the importance of nature to human society
- The study of human-nature interactions including the conflicts of nature conservation and management
- Looking at the Israeli model of nature reserves and biosphere reserves in solving human-nature tensions
- Gaining the necessary tools for the management of ecosystems, including financial aspects
- Using a life cycle approach to resolve human-nature tensions

## **Application**

### **Application Requirements**

The target audience for this training program is individuals who are interested in expanding their knowledge and initiatives into ecosystem management, environmental economics, and environmental management.

This training program is intended for mid-level professionals involved in nature preservation, working for government, non-governmental organizations, decision-making bodies, academia and the private sector.

It will be especially beneficial to heads of rural councils and environmental officers of rural councils, government officers of environment and tourism ministries, biosphere reserve managers, park managers and rangers.

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

Competition for the MASHAV Courses is merit-based and selection will be made on the basis of academic excellence, professional aptitude, leadership potential in the field of Environmental Management and Ecosystem Services, and knowledge of English.

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

Applications should be submitted no later than April 18<sup>th</sup>, 2018. A copy of the application should be sent to the **Israeli Embassy nearest to you** as well as to Ms. Tali Adini of the Arava Institute: [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

### Arrival and Departure

Arrival date: Sunday June 10<sup>th</sup>, 2018  
Opening date: Monday June 11<sup>th</sup>, 2018  
Closing date: Thursday June 28<sup>th</sup>, 2018  
Departure date: Friday June 29<sup>th</sup>, 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

**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.

The majority of the course will be held at the Arava Institute for Environmental Studies, situated at Kibbutz Ketura in the Arava Desert, a four hour drive from the center of Israel. Kibbutz Ketura is a collective community located approximately 50 kilometers from the Red Sea resort city of Eilat in the south of Israel. In June, the weather will be **very hot and dry**; temperatures will range from 35°- 40°C during the day and down to 25°C at night. For more information on Kibbutz Ketura, you can access the website at: <https://www.ketura.org.il/welcome/>

### 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.

## About MASHAV

MASHAV – Israel’s Agency for International Development Cooperation is dedicated to providing 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 for Environmental Studies

The Arava Institute is a leading environmental and academic institution in the Middle East, working to advance cross-border environmental cooperation in the face of political conflict. 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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