

MASHAV 60 Years

Aid From Israel

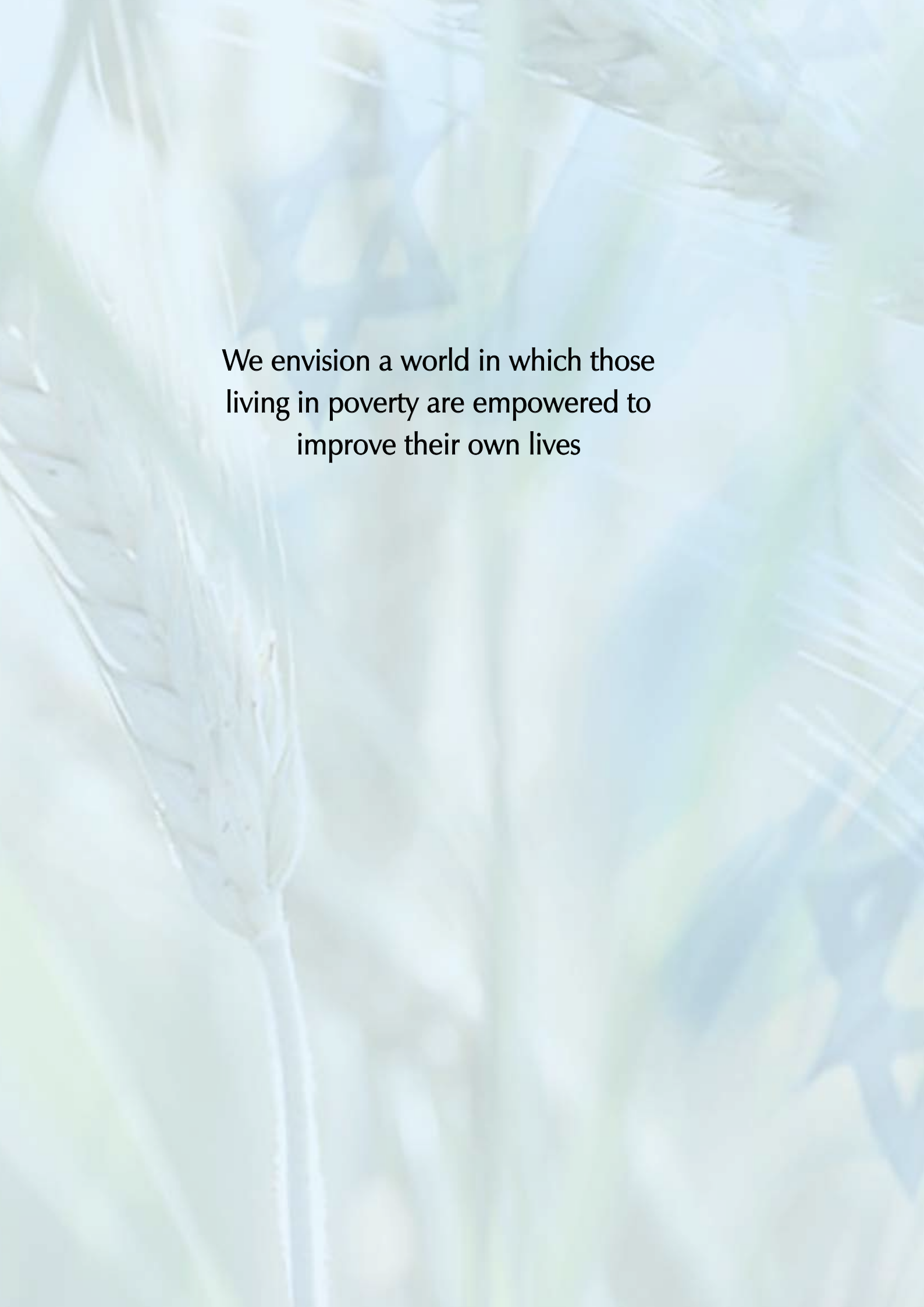


ANNUAL REPORT 2017

ISRAEL'S AGENCY FOR INTERNATIONAL DEVELOPMENT COOPERATION

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We envision a world in which those
living in poverty are empowered to
improve their own lives

MASHAV – Israel's Agency for International Development Cooperation, was established in 1958 following the vision of then Foreign Minister Golda Meir and Prime Minister David Ben Gurion, and exemplifies the Jewish value of *Tikun Olam*.

In December 2017 we launched in the presence of representatives from close to 50 countries, a yearlong celebration to mark MASHAV's 60th anniversary, in a series of expected events throughout Israel and around the world.

Over the course of 60 years since its establishment, MASHAV has been active in 140 countries worldwide, directly training more than 300,000 men and women in a broad variety of fields. Reflecting the spirit of Israel's international development cooperation program, MASHAV's ultimate goal is to bring change, hope and opportunity for every single human being, sharing knowledge, expertise and ideals to make our world a better place.

Our approach is to place *people at the heart of development*, based on the belief that development transcends the attainment of economic security and growth, and is rather defined by an individual's capability and freedom to choose and achieve the life they reason to value. To this end, MASHAV invests its efforts in human capacity building, working with local stakeholders and communities to develop innovative solutions to their own development challenges.

This report presents an overview of MASHAV's development activities in 2017, during which we trained more than 3,500 professionals from over 115 countries around the globe. Our experts were dispatched throughout the world on 103 short-term consultancies and humanitarian medical missions to 42 countries, and 5 long-term experts served in MASHAV's demonstration projects.



To maximize our effectiveness, and in accordance with the 2030 Agenda for Sustainable Development, MASHAV promotes and engages in development cooperation on a bilateral, trilateral and multilateral level to intensify development policy and strengthen global alliances. This is reflected in the numerous development cooperation agreements we have signed in 2017, as well as in the active dialogues for development, conducted with sister donor countries and fellow aid agencies. We had the honor of hosting distinguished leaders and are proud for having the opportunity to present our work and our vision during high-level international forums.

Since our establishment we have believed, and will keep on believing, that history calls upon us all to join hands to bring change, hope and opportunity for every single human being.

This is, and will continue to be the backbone of the State of Israel's international development cooperation philosophy, proudly implemented by MASHAV.

Ambassador Gil Haskel
Head of MASHAV

MISSION STATEMENT

**To lead Israel's efforts to empower
those living in poverty to improve their
own lives.**

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 global efforts to achieve sustainable development, in accordance with the 2030 agenda.

MASHAV, representing the State of 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.

Supporting those who face great development challenges goes to the heart of what it means to be a Jewish State. MASHAV is both a manifestation of Israel's political will, foreign policy and Development Diplomacy, as well as the ideological commitment of the Jewish State to the traditional Jewish ideals of *tikun olam* – repairing the world.

In the words of David Ben-Gurion, the founder and first Prime Minister of Israel: "For Israel, development cooperation is both a moral and a political issue, and from both aspects Israel must look upon such aid as a historic mission."

MASHAV's Development Program operates in accordance with the following guiding principles:

MASHAV's programming is based on capacity building, technical assistance, and the transferring of Israeli know-how, innovation, technologies, and expertise.

MASHAV maintains that the "training of trainers" approach and the exchange of knowledge are the most effective ways to achieve maximum impact.

MASHAV focuses its activities in sectors which Israel has accumulated expertise and a comparative advantage.

MASHAV believes that its greatest contributions are in the fields which Israel has relevant expertise accumulated during its own development experience. Through its own process of transformation, Israel has continued to be a laboratory for development solutions and innovation.

MASHAV's activities are based on demand-driven programming and active consultation with local partners.

MASHAV engages in programming based on the demands and needs of partner countries. We develop and implement projects in collaboration with local actors and in alignment with the national development priorities of those countries identified together through constant G2G bilateral engagements.

MASHAV's development approach is holistic, inclusive and integrative.

In line with the global development agenda, MASHAV strives to incorporate the economic, social and environmental dimensions of sustainable development into its policies and programming. It recognizes the interconnectivity between all three dimensions and endeavors to holistically address multiple areas within each of its activities.

MASHAV is guided by common universal principles and international instruments for the achievement of sustainable development (SDGs).

MASHAV places particular emphasis on the international agenda for development as set by the UN's "Transforming our World: the 2030 Agenda for Sustainable Development."

MASHAV actively engages in bilateral, trilateral and multilateral development cooperation.

MASHAV maintains that cooperation leverages the comparative advantages and expertise of each party and creates synergies between their complementary strengths, delivering greater results and impact on the ground. Beyond engaging in joint activities within the framework of its partnerships, MASHAV holds development dialogues with partner countries and agencies, providing a platform to shape global development policies and deepen alliances between the actors involved.

MASHAV recognizes the importance of pursuing multi-stakeholder partnerships with civil society and the private sector to achieve the SDGs.

Mobilizing Israeli civil society and the private sector to invest and collaborate in development activities can help generate greater resources and more innovative solutions to development challenges. MASHAV seeks to expand opportunities for public private-partnerships (PPPs) in order to achieve greater efficacy and impact in Israel's development programming and cooperation. Moreover, MASHAV endeavors to raise more awareness among the general Israeli public and the Jewish diaspora on the topic of international development and Israel's longstanding contributions in this field, while seeking partnerships with Israeli and Jewish organizations.

MASHAV believes that development cooperation should and can be used to forge bonds of peaceful cooperation between Israel and its neighbors.

Consequently, MASHAV implements bilateral and regional development projects and endeavors to be even more active throughout the Middle East regardless of the political climate.

PRIORITY SECTORS

In line with OECD recommendations, good practice of DAC members and as a part of a concerted donor effort to combat the challenges associated with the proliferation and fragmentation of aid, MASHAV

concentrates its aid on fewer countries and limits the number of sectors in which it operates.

MASHAV focuses its activities on areas in which Israel has a comparative advantage and accumulated expertise. These areas include:

- Food Security and Agriculture
- Education
- Medicine and Public Health
- Community Development
- Innovation and Entrepreneurship for Development
- Gender Equality and Women's Empowerment
- Regional Planning & Rural and Urban Development
- Research and Development
- Emergency Planning and Response
- Humanitarian Aid

FOOD SECURITY AND AGRICULTURE

MASHAV's activities are based on Israel's own agricultural and rural development experience to develop the agro-and rural sector under semi-arid and arid climatic conditions and management of limited natural production resources together with the integration of appropriate agro-technologies, water and irrigation, research and development and agricultural extension, and delivering know-how to farmers and to the rural areas at large, to enhance overall national employment and economic growth.

Subjects which fall under this sector include:

Dryland Agriculture; Land and Water Management; Irrigation and Water Management; Afforestation; Combating Desertification; Integrated Pest Management; Post Harvest and Storage; Aquaculture; Dairy Husbandry; Adaptation to Climate Change; Dry Land Development including the increase in food production in Dry Lands.

EDUCATION

Israel possesses a wealth of experience in the field of education and the development of civil society. Due to the fact that Israel needed to deal with massive waves of immigration, a multicultural population and a sectorally divided society, the Israeli educational system has made great strides in the field of education by integrating its various populations and fostering excellence. The Israeli experience can serve as a model of other countries as they attempt to deal with education and societal problems, including

socio-economic gaps, conflict or an urgent need for modernization.

Subjects which fall under this sector include: Early Childhood Education; Education for Sustainable Development; Education at the Service of National Projects; Curriculum Development; Training of Principals, Teachers and Educational Inspectors; Professional Development for In-Service Educators; New Millennium Learners and Innovative Learning Environments; Information and Communication Technologies (ICT) in Education; Science and Technology; Special Education and Inclusive Education; Innovation and Entrepreneurship in the Education System; Youth At-Risk: Preventing Student Dropouts and Facilitating Reintegration.

MEDICINE AND PUBLIC HEALTH

Israel has developed and implemented high standards for medical systems, technologies and medical know-how.

Activities which fall under this sector include:

The introduction of crucial medical facilities as pilot projects aimed to promote disciplines such as intensive care; emergency and trauma units; dialysis units; neo-natal units. MASHAV undertakes the planning, construction, provision of equipment and training.

COMMUNITY DEVELOPMENT

Rapid economic development and the necessity to absorb continuous waves of mass immigration enabled Israeli experts to acquire experience in rural development, community building, cooperation organization and micro-enterprise in an emerging economy of immigrant populations. Since the early days of statehood, Israel gave high priority to adopting policies, establishing support structures and encouraging initiatives aimed at generating economic growth and community building. Such conditions enabled Israeli experts to acquire experience in rural development, community building, cooperative organization and micro-enterprise in an emerging economy of immigrant populations.

Subjects which fall under this sector include:

Training for effective community development and the encouragement of collaborate action, networking and cooperation building; building and strengthening the civil society through encouraging the participation of women in social action in all areas of society; development of women leaders and providing support for their entrepreneurship; strengthening local NGOs by helping them develop, implement and

sustain programming; developing curricula for community leadership training; establishing basic social service centers to provide assistance to local communities.

INNOVATION AND ENTREPRENEURSHIP FOR DEVELOPMENT

Israel has more start-ups per capita than any other nation, an achievement which is the result of close collaboration between business and government, and a culture that rewards risk-taking, embraces innovation and entrepreneurship and encourages imagination.

Subjects which fall under this sector include:

Small and Medium Enterprises; Innovative Entrepreneurship – from an idea to starting a business; Support Systems for Entrepreneurs; the Use of ICTs in Support Systems to Advance Microenterprises.

GENDER EQUALITY AND WOMEN'S EMPOWERMENT

MASHAV consistently promotes the empowerment of women, considering women's empowerment as a critical component of development policy and planning, and central to sustainable development. Sustainable development is only possible when women and men enjoy equal opportunities to reach their potential. Unequal opportunities hamper women's ability to lift themselves from poverty and secure sustainable options to improve their lives. Economic and political empowerment of women, are powerful instruments for changing women's position in society and a most effective ways to reduce poverty.

Subjects which fall under this sector:

Empowering women in politics; Support systems for women entrepreneurs; Agribusiness – a tool for the empowerment of women; Violence against women and children; Economic empowerment for women; Rural women sustainable development.

REGIONAL PLANNING & RURAL AND URBAN DEVELOPMENT

MASHAV promotes the internationally recognized 'Rehovot Approach' for Integrated Regional Development, which aims at the eradication of poverty and the promotion of social-economic rural and urban development. The 'Rehovot Approach' views the region as the basic unit for development and planning and

has been applied in many less-developed areas of developing countries.

Subjects which fall under this sector include: Regional and Local Competitiveness; Local Economic Development and Strategies for Poverty Reduction; Income Generation Activities in Rural Areas; Strategic Planning for Local Development; Local Economic Development; Urban Rehabilitation Projects, Development Projects Formulation; Development of Sustainable Tourism; Entrepreneurship Promotion; Promoting Urban-Rural Sustainable Development; Poverty Alleviation Strategies.

RESEARCH AND DEVELOPMENT

Israel invests 4.5% of its GDP in research and development which is the highest ratio of any country in the world. The strong emphasis on research and development has been one of the key factors in Israel's development success, especially as it has been applied in the agricultural sector, but also in medicine and health and in hi-tech. The outputs of such research and development, particularly in the field of agriculture and food security, can be applied most aptly to developing countries which face similar climatic and geographic conditions.

EMERGENCY PLANNING AND RESPONSE

Israel has extensive experience in the field of urgent care medicine which led to the development and accumulation of extensive knowledge in trauma care and a highly developed system in preparation for and in response to mass-casualty incidents.

Subjects which fall under this sector include:

The Organization of a Trauma System, Managing Mass Casualty Situations.

HUMANITARIAN AID

MASHAV is the body responsible for coordinating Israel's official humanitarian assistance program, drawing on Israel's vast experience in crisis response in order to rapidly organize and dispatch needed supplies, medicines and medical assistance to countries in crisis. MASHAV conducts blindness prevention and eye-care missions in partner countries, designed to treat patients suffering from various degrees of blindness and ocular disease. The missions are undertaken by teams of Israeli ophthalmologists and operate on the premises of local hospitals or clinics. Hundreds of surgical procedures are performed by the Israeli teams which work together and professionally train local personnel.

MASHAV HIGHLIGHTS

Spotlight on 2017

In 2017 MASHAV's activities included a wide spectrum of international partnerships and programs for development. A total of 1,778 professionals from 109 countries participated in 88 activities offered in Israel, while 1,599 took part in 41 on-the-spot courses (in host countries) offered in a total of 26 countries. MASHAV experts were dispatched throughout the world on 103 short-term consultancies and humanitarian medical missions to 42 countries, and 5 long-term experts served in MASHAV's demonstration projects around the world. In 2017, MASHAV signed cooperation agreements for development, and organized and participated in many international conventions both in Israel and around the world. *The following are highlights of some of MASHAV's activities in 2017.*

MASHAV MARKS 60TH ANNIVERSARY



In December 2017 MASHAV launched a yearlong celebration marking its 60th anniversary in the presence of members of the diplomatic corps, MFA officials and over 300 trainees from 50 countries around the world. Since its establishment in late 1957, following the vision of then Foreign Minister Golda Meir and Prime Minister David Ben Gurion, MASHAV has been active in 140 countries worldwide, directly training more than 300,000 men and women in a broad variety of fields.

ECOWAS SUMMIT - LIBERIA

The Head of MASHAV accompanied Israel PM Benjamin Netanyahu to Liberia to attend the 51st Economic Community of West African States Conference. MASHAV's development cooperation was high on the agenda during the summit following the 2016 First MASHAV-ECOWAS Agricultural Ministerial Conference in Israel.

PRESIDENT OF ISRAEL REUVEN RIVLIN VISITS MASHAV PROJECTS IN VIETNAM

During their state visit to Vietnam, President Rivlin and the First Lady visited MASHAV's Dairy Demonstration Farm. The aim of the project is to support modern and intensive dairy farming in Vietnam by serving as a center of excellence combining demonstration, technologies and training. During the official visit, Mrs. Rivlin met with leading Vietnamese women, all graduates from MASHAV training courses.

MASHAV Hosts Ethiopia's Prime Minister



MASHAV was honored to welcome H.E. Hailemariam Desalegn and First Lady Roman Tesfaye in Israel in June. During his visit, PM Desalegn met with Ethiopian course participants at MATC - MASHAV Agricultural Training Center.

HEADQUARTERS VISIT TO INDIA

The Head of MASHAV conducted an official visit to India in December. During his visit he launched the 3-year action plan for the Indo-Israeli Agricultural Project and inaugurated a new Center of Excellence for cut flowers in Thally, Tamil Nadu. IIAP is MASHAV's biggest project outside of Israel, and is accompanied by a long-term agricultural expert.

EVALUATION MISSION IN KENYA



Two leading Israeli experts arrived in Kenya to evaluate the ongoing project on Education for Sustainable Development, conducted in Kenya since 2010 by MASHAV through its Educational Training Center-METC in cooperation with Kenya's Ministry of Education, KEPSHA-Kenya Primary Schools Head Teachers Association, and the Israeli Embassy in Kenya. Close to 800 Kenyan educators from over 90 schools and institutions have taken part in training activities conducted both in Israel and in Kenya during the 2010-2016 period. The mission defined six main issues that were examined in the different schools, analyzed as strengths, challenges and detailed recommendations regarding future potential, continuous dissemination and empowerment.

AGREEMENTS FOR DEVELOPMENT COOPERATION

MASHAV signs development cooperation agreements with its partners in order to achieve maximum coordination and cooperation in the implementation of international development activities. The following (in chronological order) are some of the agreements signed by MASHAV and international partners in 2017:

JICA



A cooperation agreement was signed in January between MASHAV and Japan's International Cooperation Agency-JICA in Jerusalem on joint development work in the Middle East.

ISRAEL-ETHIOPIA-ITALY



A trilateral MOU was signed in January between the parties for cooperation in the field of public health and ICTs in health and medicine, including training and capacity building of health care personnel. The agreement is part of the ongoing cooperation between MASHAV and Directorate General for Development Cooperation of the Italian Ministry of Foreign Affairs for trilateral development cooperation in partner African countries.

POLISH AID

MASHAV and Poland's Department of Development Cooperation-Polish Aid signed in June in Warsaw a development cooperation agreement stating bilateral and trilateral cooperation between the agencies in various fields.

KENYA'S MINISTRY OF EDUCATION

MASHAV and Kenya's Ministry of Education signed in July an MOU on Teachers Professional Development & ICT to be carried out by MASHAV's Educational Training Center - METC.

FIJI MINISTRY OF AGRICULTURE

The MOU signed between MASHAV and the Ministry of Agriculture of Fiji in July establishes a framework of cooperation to contribute to human capacity building in the areas of agriculture, water, food security and sustainability.

COLOMBIA'S DEVELOPMENT AGENCY

An agreement was signed between MASHAV and APC Colombia in July for cooperation in the areas of agriculture, education and health.

Togo



MASHAV and Togo's Ministry of Health signed a MOU for the establishment and installation of an Emergency & Trauma Unit including training of local medical staff.

MEXICO

Israel Prime Minister Benjamin Netanyahu and Mexican President Enrique Peña Nieto signed a development cooperation agreement during the PM historic visit to Latin America in September. The MOU, to be implemented by MASHAV and AMEXID, is designed to facilitate trilateral cooperation that will focus on water, agriculture, entrepreneurship & innovation.

GUINEA CONAKRY

An MOU was signed in November between MASHAV and The Ministry of Health of Guinea Conakry with the aim of creating a framework for the development and upgrading of the medical and health care services in the country.

MULTILATERAL DEVELOPMENT COOPERATION

MASHAV emphasizes the importance of creating effective partnerships for development and of implementing cooperative projects both in Israel and abroad with a wide range of partners with each side contributing its strengths and unique experience and expertise. Following are some multilateral activities which took place in 2017.

CAMEROON

MASHAV-GIZ

The aim of the trilateral cooperation between MASHAV and Germany's International Development Cooperation Agency (GIZ) in Cameroon is to improve the mango value chain, and is carried out by within the framework of the Israel-Germany Africa Initiative.

MASHAV- AFD

The joint project between MASHAV, AFD-Agence Française de Développement, and the Ministry of Agriculture of Cameroon includes the establishment of three demonstration plots for vegetables and open field crops in Obala, Garoua and Sanmalima, focusing on sustainable soil and water management and irrigation techniques.



ITALY-BURKINA FASO



Policy makers from Burkina Faso took part in a tailor-made study tour on Entrepreneurship in Agriculture in Israel. The program is part of the ongoing cooperation between MASHAV and Italy's Development Cooperation Directorate.

MASHAV-FAO



Professionals from 14 African countries participated in a tailor-made course on Sustainable Livestock Feed Development and Breeding Techniques in Resource Constrained Situations in Africa, jointly organized in Israel by MASHAV in partnership with the UN Food and Agriculture Organization. The course addressed key

issues of breeding livestock in drought situations such as the ones existing in Sub-Saharan Africa.

MASHAV-UNWOMEN

Israel was elected to serve a 3-year term on UN Women Executive Board. The appointment presents an opportunity to further cooperation between MASHAV and UN Women, especially in terms of outreach to developing countries in areas including women's empowerment and professional training for female leaders.

MASHAV-KAZ-ODA-UNDP IN KAZAKHSTAN

The first regional seminar for professionals from Central Asian countries on Innovative Irrigation and Water Management Technologies was held in Kazakhstan in cooperation with Kazakhstan's Official Development Assistance and UNDP Kazakhstan.

MASHAV-UNIDO

A joint MASHAV and the United Nations Industrial Development Organization course addressed empowering women in rural areas through agricultural entrepreneurship. Conducted in Israel by two of MASHAV's training centers: MCTC and MATC, it focused on gender equality and the empowerment of women, as well as increasing attention to economic and social development strategies within rural areas.

MASHAV-JICA IN MYANMAR

Cooperation between MASHAV, JICA, the Embassy of Israel in Myanmar and the local Ministry of Agriculture and Livestock and Irrigation included a workshop on Water Management held at Yezin Agricultural University in Myanmar with the aim of sharing Israel's knowledge and experience the field.

THAILAND'S MEKONG INSTITUTE

A regional course on Promoting Innovative Entrepreneurship was conducted in Thailand by MASHAV in partnership with Mekong Institute and Thailand's International Institute for Trade and Development (ITD) for participants from Cambodia, China, Laos, Myanmar, Thailand and Vietnam. Innovative entrepreneurship is a stimulant in advancing economies by creating job opportunities, reducing poverty and contributing to address social challenges.

ISRAEL AND CANADA COOPERATION IN UKRAINE

An agricultural cooperation project is taking place in Ukraine to empower small and medium farmers in the regions of Zaporizhzhya, Mikolayev, Odessa, and Kherson in the areas of horticulture growing, storage and marketing of agricultural products as well as at introducing new agricultural technologies. The implementing partners are MASHAV, MEDA – The Mennonite Economic Development Associates of Canada, Global Affairs Canada, and the Ukrainian Horticulture Business Development Project.

DEVELOPMENT DIALOGUES

In accordance with the 2030 Agenda for Sustainable Development, MASHAV establishes active dialogues for development with other donor countries and with fellow donor agencies to map out the strengths and development challenges to maximize effectiveness and proven results. Following is a chronological review of several development dialogues which took place in 2017.

CENTRAL AFRICAN REPUBLIC



Head of MASHAV met in Jerusalem with the President of Central African Republic during his first official visit to Israel. Discussions involved examining possible ways of development cooperation between MASHAV and CAR in different fields.

GERMANY



The annual development dialogue between MASHAV and BMZ - the German Federal Ministry for Economic Development and Cooperation took place in Bonn. The parties discussed the existing partnership within the framework of Israel-Germany Africa Initiative as well as widening cooperation to work together for the benefit of developing countries.

TOGO



Deputy Head of MASHAV led an experts' delegation to Togo to establish an action plan for cooperation in the areas of agriculture and health.

GHANA

The Minister of Food and Agriculture of Ghana met in Jerusalem with MASHAV officials during his official visit to Israel. Discussions covered possible areas of cooperation including agricultural development.

SIERRA LEONE

Head of MASHAV, Ambassador Gil Haskel, met in Jerusalem with President of Sierra Leone Ernest Bai Koroma, who visited Israel accompanied by his Foreign, Agriculture, Communications and Water ministers. The dignitaries discussed possible areas of cooperation between the two countries.

TOGO

Head of MASHAV met in Jerusalem with Togo's Foreign Minister, Robert Dussey, during his official visit to Israel. Discussions included development cooperation in general as well as future MASHAV activities in Togo.

KENYA

The annual Israel-Kenya development dialogue took place in Nairobi. It concluded with the announcement about the establishment of KIDRAC – the Kenya Israel Drought Resilience Agriculture Center. The Center will deal in capacity building and share the latest Israeli irrigation and water resources management knowhow.

PANAMA

Deputy Head of MASHAV met with Panama's Minister of Agriculture to discuss further development

cooperation and the establishment of a Center of Excellence in Agriculture.

ETHIOPIA

A development dialogue was held in Jerusalem between Israel and Ethiopia to explore different possibilities for expanding development cooperation.

CAMBODIA

Deputy Head of MASHAV met with Cambodia's Minister of Agriculture to discuss enhancing cooperation to

develop the agricultural sector. Cooperation is also taking place between MASHAV and the Royal University of Agriculture of Cambodia (RUA). The parties are in the process of formulating a capacity building program to share Israel's experience in irrigation technologies and modern agricultural practices.

MONGOLIA

Head of MASHAV and Foreign Minister Tsend Munkh-Orgil met in Jerusalem to discuss strengthening Israel-Mongolia development cooperation.

CONFERENCES and SYMPOSIA

International conferences and forums provide exceptional opportunities to exchange information with international development professionals from around the world. Following is a short overview of some of the International Conferences in which MASHAV participated in 2017.

CIVIL SOCIETY

MASHAV ascribes great importance to the involvement of the civil society in the field of international development and encourages Israeli organizations to work in developing countries. A successful meeting between over 50 Israeli NGOs involved in international development and Israel's

Ambassadors to Africa was held at the Foreign Ministry in Jerusalem. The main goal was to strengthen the ties with the civil society to explore future joint activities and join forces to create synergies for international development cooperation.

MASHAV-FAO SYMPOSIUM ON CLIMATE CHANGE



High-level delegates of the UN Food and Agriculture Organization from 15 African countries arrived in Israel to take part in the Symposium on Climate Change

Adaptation in Arid Zones & Green Growth. The 5-day professional program focused on adapting, innovating and improving agricultural productivity.

MASHAV OVERSEAS STAFF



The first conference for MASHAV's local staff serving at Israeli Embassies all over the world took place in Israel. The 30 participants represented Albania, Angola, Belarus, Cameroon, China, Colombia, Costa Rica, Cote d'Ivoire, Egypt, El Salvador, Ethiopia, Georgia, Guatemala, Haiti, India, Kazakhstan, Kenya, Nigeria, Panama, Philippines, Peru, Republica Dominicana, Thailand, Turkey, Turkmenistan, Ukraine, Uruguay, Uzbekistan, and Vietnam.

CSW61

MASHAV in cooperation with MCTC, Israel's Mission to the UN and UNECE – the Economic Commission for Europe hosted a Panel on "Transforming Women's Leadership through Innovative Entrepreneurship" during the 61st session of the Commission on the Status of Women.

INDIA 2017 ONE MEGA EVENT

MASHAV was represented at the Israeli Pavilion during India's 2017 One Mega Event. The exhibition presented innovative technologies for all aspects of urban life under the theme "Smarter Solutions for a Better Tomorrow." Israel's national pavilion gathered 10 exhibiting companies showcasing Israeli innovative smart cities and water solutions.

INTERNATIONAL DRYLANDS, DESERTS AND DESERTIFICATION CONFERENCE

A special session on Enhancing Food Security, Adaptation to Climate Change and Combating Desertification, was organized by MASHAV during the 6th International Conference on Drylands, Deserts and Desertification-Theory and Practice. Close to 100 professionals taking part in 4 MASHAV courses in Israel participated in the conference.

WOMEN IN DIPLOMACY

A unique Conference on "Women in Diplomacy: Breaking the Glass Ceiling" was held at the the Golda Meir MASHAV Carmel Training Center with the participation of members of the diplomatic corps, representatives of the Ministry of Foreign Affairs and of Haifa Municipality.

ATLANTIC COUNCIL

The Vice Director General and Head of Multilateral Affairs Directorate at Israel's Ministry of Foreign Affairs and the Head of MASHAV took part on a Roundtable with African Ambassadors on Israel-Africa Relations at the Atlantic Council in Washington.

THE CAUCUS FOR ISRAEL-AFRICA RELATIONS

MASHAV participated in the Caucus for Israel-Africa Relations during its annual meeting at the Knesset, Israel's Parliament. The Caucus brought together ambassadors from African countries and representatives from several sectors of the Israeli society, to discuss bilateral relations and ongoing activities.

OECD-HDL

MASHAV took part at the OECD-DAC High Level Meeting on Innovations for the 2030 Agenda in October. The HLM defined innovation as an essential enabler for both improved development cooperation practices and quick and effective responses to development cooperation challenges.

UN GSSC TURKEY

The Head of MASHAV addressed the UN GSSC in Antalya, Turkey, stressing the importance MASHAV sees in South-South cooperation and trilateral partnerships.

WATEC



MASHAV brought together over 100 experts from 34 countries to take part on a professional Seminar on “Israeli Water Technologies as a Solution for the Challenges of the Developing World” held during WATEC Israel 2017, the renowned water technologies and environmental control international event.

THE 5TH INTERNATIONAL PHOTOGRAPHY FESTIVAL

A photo exhibition depicting MASHAV’s humanitarian missions around the world, taken by MASHAV’s medical advisor Dr. Yossef Baratz, was inaugurated in Tel Aviv within the framework of the International Photography Festival.

REGIONAL COOPERATION

MASHAV implements regional, bilateral, and multilateral development cooperation programs with Israel’s neighbor countries in partnerships with government ministries, the civil society, academia and the private sector in order to address development issues. Working together to meet common challenges contributes significantly to fostering personal and professional ties, as well as promoting better understanding between neighboring countries.

REGIONAL AGRICULTURAL PROGRAM

MASHAV, Jordan and the Palestinian Authority participate in a joint regional agricultural program with the Japan International Cooperation Agency (JICA) acting as a sponsoring partner. The program benefits the advancements of the Palestinians in agriculture. Training activities focus on techniques related to vegetables, mangoes, beekeeping and stone fruit. The program’s MOU, signed in 2016, includes on-site and regional training programs. The program is governed by a steering committee that meets regularly. In 2017, eleven activities in the various subjects were conducted in Israel. The program incorporates a subject matter specialist (SMS) training model. Three extension agricultural officers from the aforementioned fields accompany their Israeli counterparts in trainings. These sessions comprise both activities in the fields and workshops on various related issues.

MASHAV-JICA AGRICULTURAL COOPERATION IN JORDAN

The joint cooperation project between MASHAV and JICA started in 2008, and includes professional training in the areas of irrigation, fertilization, organic agriculture and post-harvest care. The program is in its third phase that was renewed for the 2016-2019 period.

PROFESSIONAL SEMINARS

In 2017, 2 regional workshops on “Management of Health Systems” for professionals from the Palestinian Authority were conducted in Israel, within the framework of cooperation between MASHAV and the Green Land Society for Health Development. A course in Arabic on Women’s Empowerment was conducted in cooperation with the Jordan Red Crescent for Jordanian women.

PROFESSIONAL DELEGATIONS

CHINA



Head of MASHAV hosted in Jerusalem a senior delegation from Heilongjiang Province, China, to discuss the ongoing Dairy Demonstration Project. The aim of the project is to share Israeli know-how and agro-technologies to

contribute to the development and upgrading of the province's dairy sector as part of the local government's initiative to improve the level and quality of milk production in the region.

LATIN AMERICA MPs



MASHAV hosted a distinguished delegation of Members of Parliament from Argentina, Dominican Republic, El Salvador, Guatemala, Mexico, Panama, Paraguay and Uruguay. The parliamentarians were the guests of MATC

where they were introduced to MASHAV's development activities. During their visit they met 25 professionals from 12 Latin American countries, taking part in the course on Irrigation and Fertigation for Intensive Agriculture.

PARLIAMENTARIANS FROM AFRICA



MASHAV was honored to host a distinguished delegation of parliamentarians from 6 African countries. MASHAV's Head of Training Division presented an overview of MASHAV vision, activities, and international partnerships in Africa.

KENYA

A professional delegation from Kenya arrived in Israel to participate in a study tour on Sustainable Management of Water Resources & Water Quality Conservation. The program was organized within the framework of the trilateral cooperation project between Kenya's Water Resources Management Authority, Germany's Society for International Cooperation (GIZ) and MASHAV aimed at protecting Lake Victoria.

ECOWAS

A professional program for high-level ECOWAS representatives on the Linkage between Applied Research, Extension and the Farmer, was organized in Israel in September. The program counted with the participation of 20 representatives from ECOWAS countries including Benin, Burkina Faso, Cape Verde, Cote d'Ivoire, Gambia, Ghana, Niger, Nigeria, Senegal and Togo. The distinguished delegation was headed by ECOWAS Commissioner for Agriculture, Environment and Water Resources.

CAMEROON

MASHAV hosted a delegation from Cameroon's Youth Agro Pastoral Entrepreneurship Program, to discuss upcoming activities within the framework of cooperation between

MASHAV, PEA-Jeunes, and IFAD - the International Fund for Agricultural Development. The aim of the project is to give young men and women in rural areas sustainable employment opportunities through the implementation of profitable initiatives integrated in promising agro-pastoral sectors.

INDIA

A senior delegation from India, headed by Haryana State's Agriculture Minister arrived in Israel to take part in a professional study tour on Advanced Technologies in Dairy Cattle organized by MASHAV and CINADCO.

ETHIOPIA



A high-level delegation from Ethiopia headed by Deputy State Minister of Agriculture arrived in Israel to take part in the tailor-made study tour on Avocado Crop Value Chain. The training program is part of the long term cooperation between USAID, MASHAV and Ethiopia's Ministry of Agriculture.

HUMANITARIAN ASSISTANCE

Israel is often called upon to dispatch aid in the wake of earthquakes, floods, famine and other natural disasters. MASHAV is the body responsible for coordinating Israel's official humanitarian assistance program, using its vast experience in crisis response in order to rapidly organize and dispatch needed supplies, medicines and medical assistance to countries in crisis. In many cases, MASHAV cooperates with Jewish organizations and local NGOs, creating partnerships to maximize effectiveness. Following is a brief overview of some of the humanitarian aid missions which took place in 2017.

CAMEROON



The Embassy of Israel in Cameroon and MASHAV made a large medical donation to support the efforts of the United Nations High Commissioner for Refugees, UNHCR-Cameroon, to improve the living conditions of Central African Republic refugees living in Cameroon's eastern region.

SOUTH AFRICA

The State of Israel through MASHAV provided emergency relief to the city of Knysna in South Africa following devastating fires.

PARAGUAY

In wake of severe flooding, the Embassy of Israel in Paraguay donated over 1,000 pairs of colorful rain boots and winter coats to the children of Ñeembucú flooded areas to enable easier access to school.

SRI LANKA



The government of Israel provided immediate disaster relief in wake of severe floods and landslides which affected hundreds of thousands in Sri Lanka delivering much needed power generators, drinking water and other emergency supplies, as well as a letter from President Reuven Rivlin expressing Israel's solidarity with the people of Sri Lanka.

SOUTH SUDAN



MASHAV organized an emergency food relief shipment to drought stricken communities in South Sudan.



PERU

The unusual heavy rains powered by El Niño conditions drenched parts of Peru with 10 times more rainfall than normal, causing the worst flooding hitting the country in 20 years. The Embassy of Israel immediately answered the request of assistance of the Peruvian Government organizing and delivering food rations and potable water to the communities affected by the disaster. MASHAV also dispatched Israeli epidemiology and emergency medicine experts to share their experience in the prevention of health crises in the aftermath of natural disasters.

SIERRA LEONE



An Israeli medical mission arrived in Sierra Leone to establish the country's first dialysis unit. MASHAV donated the unit in 2012 and training of the local medical teams commenced in Israel. However, when the Ebola crisis hit the country, the set up phase came to a halt. The dialysis unit is now fully operational, and Israeli experts continue training local medical staff. Later in 2017, Israel provided assistance to victims of the devastating mudslides which hit the country, in accordance with instructions by Israel prime Minister to extend assistance immediately and in every way possible.

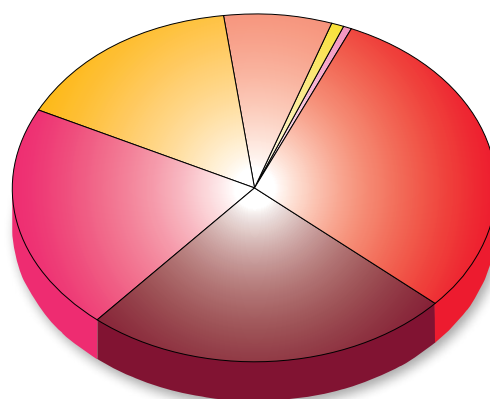
MASHAV AT A GLANCE

PARTICIPANTS IN ISRAEL: 1,778

In 88 Training Activities from 109 countries

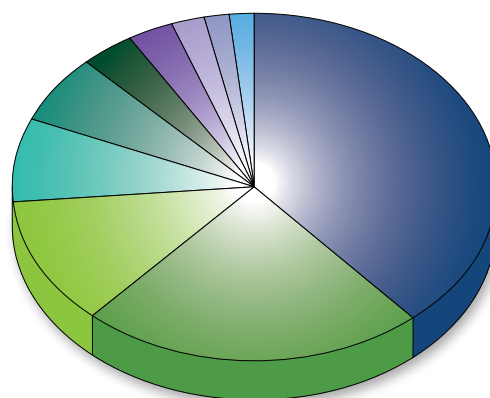
According to Region

■ Africa	(36 countries)	536
■ Asia and Oceania	(21 countries)	278
■ Central Europe & Eurasia	(17 countries)	375
■ Latin America & the Caribbean	(24 countries)	440
■ Mediterranean Basin	(2 countries)	6
■ Middle East & North Africa	(2 countries)	130
■ International Partners	(7 countries)	13



According to Subject

■ Agriculture	689
■ Community Development	210
■ Education	412
■ Environment Issues	116
■ Gender Issues	40
■ Management	30
■ Medicine and Public Health	61
■ Rural and Urban Development	58
■ Science and Technology	25
■ Small and Medium Enterprises	137

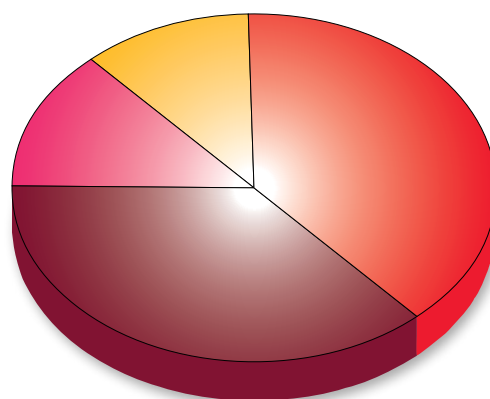


PARTICIPANTS IN COURSES ABROAD ("ON-THE-SPOT"): 1,599

In 41 courses in 26 countries

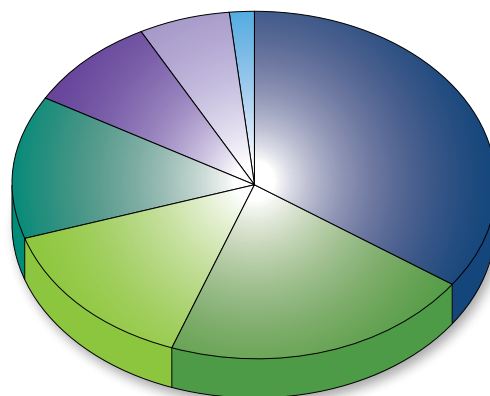
According to Region

■ Africa	(6 countries)	212
■ Asia & Oceania	(6 countries)	621
■ Central Europe & Eurasia	(5 countries)	178
■ Latin America & the Caribbean	(9 countries)	588



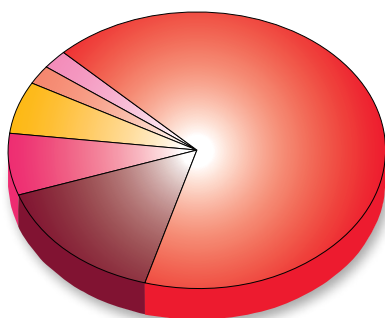
According to Subject

■ Agriculture	556
■ Community Development	141
■ Education	216
■ Medicine and Public Health	98
■ Gender Issues	24
■ Rural and Urban Development	336
■ Small and Medium Enterprises	228



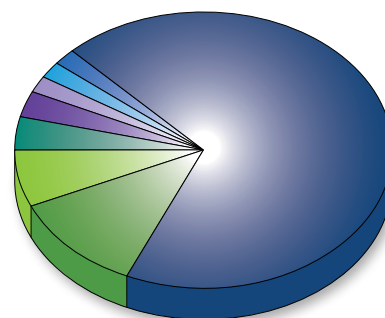
SHORT-TERM CONSULTANCIES ABROAD: 103

In 42 countries



According to Region

■ Africa	(14 countries)	36
■ Asia & Oceania	(8 countries)	31
■ Central Europe & Eurasia	(6 countries)	12
■ Latin America & the Caribbean	(9 countries)	15
■ Middle East and North Africa	(1 country)	4
■ International Partners	(4 countries)	5

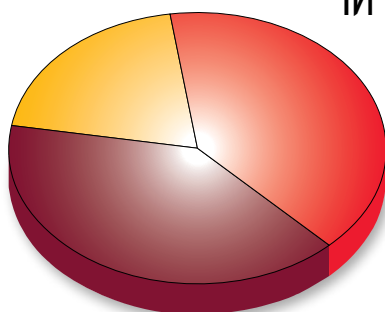


According to Subject

■ Agriculture	71
■ Community Development	2
■ Education	4
■ Gender Issues	2
■ Medicine and Public Health	12
■ Regional Planning	3
■ Rural and Urban Development	2
■ Small and Medium Enterprises	7

LONG-TERM CONSULTANCIES ABROAD: 5

In 5 countries



According to Region

■ Africa	2
■ Asia Oceania	2
■ Latin America & the Caribbean	1

According to Subject

■ Agriculture	5
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Language	Percentage
English	61
Spanish	13
Russian	7
French	5
Arabic	2

Region	Number of people in the top 10% of income
Africa	6
Asia & Oceania	10
Central Europe & Eurasia	6
Latin America & the Caribbean	19

Sector	Number of Projects
Agriculture	39
Community Development	9
Education	18
Environment Issues	6
Gender Issues	2
Management	1
Medicine and Public Health	4
Rural and Urban Development	3
Science and Technology	1
Small and Medium Enterprises	5

Sector	Number of Projects
Agriculture	14
Community Development	5
Education	5
Gender Issues	1
Medicine and Public Health	3
Rural and Urban Development	5
Small and Medium Enterprises	8



Angola

PARTICIPANTS IN ISRAEL	1
Management	1



Burundi

PARTICIPANTS IN ISRAEL	1
Agriculture	1



Benin

PARTICIPANTS IN ISRAEL	10
Agriculture	8
Community Development	2



Cameroon

PARTICIPANTS IN ISRAEL	65
Agriculture	32
Medicine and Public Health	1
Education	12
Community Development	8
Rural and Urban Development	1
Management	1
Small and Medium Enterprises	5
Environment Issues	5

ON-THE-SPOT COURSES	1
Education	1

TOTAL NUMBER OF PARTICIPANTS	50
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SHORT-TERM CONSULTANCIES	7
Agriculture	7



Botswana

PARTICIPANTS IN ISRAEL	18
Agriculture	6
Education	9
Community Development	3

MASHAV-AFD

The joint project between MASHAV, AFD-Agence Française de Développement, and the Ministry of Agriculture of Cameroon includes the establishment of three demonstration plots for vegetables and open field crops in Obala, Garoua and Sanmalima, focusing on sustainable soil and water management and irrigation techniques.

Humanitarian Assistance

The Embassy of Israel in Cameroon and MASHAV made a large medical donation to support the efforts of the United Nations High Commissioner for Refugees, UNHCR-Cameroon, of improving the living conditions of Central African Republic refugees living in Cameroon's eastern region.



Cape Verde

PARTICIPANTS IN ISRAEL	3
Agriculture	3



Burkina Faso

PARTICIPANTS IN ISRAEL	16
Agriculture	12
Education	2
Community Development	1
Environment Issues	1

SHORT-TERM CONSULTANCIES	1
Agriculture	1

Burkina Faso

Policy makers from Burkina Faso conducted a tailor-made Study Tour on Entrepreneurship in Agriculture in Israel in July. The program is part of the ongoing cooperation between MASHAV and Italy's Development Cooperation.

Cameroon

Trilateral Cooperation

MASHAV emphasizes the importance of creating effective partnerships for development and of implementing cooperative projects with a wide range of partners with each side contributing its strengths and unique experience and expertise.

MASHAV-GIZ

The aim of the trilateral cooperation between MASHAV and Germany's International Development Cooperation Agency (GIZ) in Cameroon, is to improve the mango value chain, and is carried out by within the framework of the Israel-Germany Africa Initiative. Within this framework, a delegation of 24 experts from Cameroon arrived in Israel to take part in a professional course on Irrigation and Fertilization of Mango Trees at MATC.



Chad

PARTICIPANTS IN ISRAEL	6
Agriculture	4
Community Development	2



Comoros

PARTICIPANTS IN ISRAEL	1
Agriculture	1



Côte d'Ivoire

PARTICIPANTS IN ISRAEL	28
Agriculture	10
Medicine and Public Health	1
Education	3
Community Development	9
Management	1
Small and Medium Enterprises	2
Environment Issues	2

SHORT-TERM CONSULTANCIES	3
Agriculture	1
Medicine and Public Health	2



Ethiopia

PARTICIPANTS IN ISRAEL	49
Agriculture	26
Education	7
Community Development	2
Rural and Urban Development	1
Science and Technology	2
Management	1
Small and Medium Enterprises	3
Environment Issues	7

ON-THE-SPOT COURSES	1
Medicine and Public Health	1
TOTAL NUMBER OF PARTICIPANTS	20

SHORT-TERM CONSULTANCIES	7
Agriculture	7

LONG-TERM CONSULTANCIES	1
Agriculture	1

Ethiopia

MASHAV-Netherlands Cooperation

Within the framework of cooperation between the parties in the field of development of small-scale irrigation and horticulture in Ethiopia, a joint workshop on Irrigation Management was held in Butajira in July.

MASHAV-USAID-MoARD Cooperation

The IV Phase of the Joint Cooperation Program in Smallholder Horticulture focuses on the development of horticultural plant propagation in Ethiopia

through nursery cultivation and tissue culture propagation and is coordinated by a MASHAV's long-term agricultural expert. The stated goals of the projects are achieved by introducing and supplying improved facilities, equipment and materials as well as intensive capacity building activities. The joint program demonstrates large-scale plant production with timely production planning and quality control inspections. The project marks over a decade of successful agricultural development partnership between Israel, the United States, and Ethiopia.

MASHAV-Ethiopia-BMZ Germany Tripartite Agricultural Project

Ethiopia, Israel, and Germany tripartite agricultural development project was launched to enable Ethiopia to enhance small-scale irrigation development activities in different parts of the nation. Expected to benefit over 1,000 small-holder farmers, the project is being implemented in the regions of Amhara, Tigray, Oromia, and South Ethiopia Peoples' States. In these regions, the land, soil and agro-ecological natural resource base, if complemented with irrigation-water, would materially alter the agricultural production system and help the farmers cope with climate change events. The direct project beneficiaries are the regions' subsistence farmers with small and medium sized farms. The project complements the government's efforts geared toward ensuring food security and self-sufficiency.

Israel-Ethiopia-Italy

A trilateral Memorandum of Understanding (MOU) was signed in January between the parties for cooperation in the field of health and medicine. Main areas of cooperation are Public Health and ICTs in health and medicine, and include training and capacity building of health care personnel. The agreement is part of the ongoing cooperation between MASHAV and Directorate General for Development Cooperation of the Italian Ministry of Foreign Affairs for trilateral development cooperation in partner African countries. Within this framework, a course on Pediatric Emergency Medicine took place in Ethiopia, conducted by a medical team from Hadassah Hospital Pediatric Unit. The Israeli experts shared with the local professional medical teams the fundamentals of pediatric emergency medicine.



Gabon

PARTICIPANTS IN ISRAEL	1
Agriculture	1



Gambia

PARTICIPANTS IN ISRAEL	6
Agriculture	3
Education	2
Environment Issues	1



Ghana

PARTICIPANTS IN ISRAEL	31
Agriculture	13
Education	10
Community Development	4
Rural and Urban Development	2
Environment Issues	2

ON-THE-SPOT COURSES	1
Education	1
TOTAL NUMBER OF PARTICIPANTS	54

SHORT-TERM CONSULTANCIES	2
Agriculture	2

Ghana

Early Childhood Education (ECD)

Cooperation between MASHAV, its training extension, MASHAV Carmel International Training Center (MCTC) and the Millennium Cities Initiative (MCI). The projects was established in Accra, Kumasi and Tamale with the goal of introducing change in ECD in Ghana, through training to shape a nucleus of pedagogical mentors to integrate the teaching program and to accompany the newly-trained teachers in their practical work in the field. The program focuses on using proven Israeli knowledge and experience in the field of ECE and training qualified teachers in Ghana focusing on the approach of "Learn through Play" approach.

Israel-Canada-Ghana Trilateral Cooperation

Three demonstration plots established in Ghana's northern region for growing soybeans during the dry season. The project is being held by MASHAV in cooperation with the Canadian International Development Agency and the local authorities. Within this framework, three irrigation kits were purchased in Israel and installed in Ghana to demonstrate modern irrigation and fertilization technologies.



Guinea

PARTICIPANTS IN ISRAEL	1
Agriculture	1

SHORT-TERM CONSULTANCIES	1
Medicine and Public Health	1

Guinea

Guinea Conakry

An MOU was signed in November between MASHAV and The Ministry of Health of Guinea Conakry with the aim of creating a framework for the development and upgrading of the medical and health care services in the country.



Guinea-Bissau

PARTICIPANTS IN ISRAEL	1
Agriculture	1



Kenya

PARTICIPANTS IN ISRAEL	127
Agriculture	50
Medicine and Public Health	5
Education	22
Community Development	9
Rural and Urban Development	6
Science and Technology	2
Management	1
Small and Medium Enterprises	9
Environment Issues	23

SHORT-TERM CONSULTANCIES	4
Agriculture	3
Education	1

Kenya

Establishing the Kenya-Israel Drought Resilience Agriculture Center

The Head of MASHAV and Kenya's Minister of Water and Irrigation announced in March the establishment of KIDRAC – the Kenya Israel Drought Resilience Agriculture Center. The Center will deal in capacity building and share the latest Israeli irrigation and water resources management knowhow. The new center is a manifestation of the strong relations existing between the two countries and their desire to promote mutual cooperation.

Teachers Professional Development and ICT

MASHAV and Kenya's Ministry of Education signed in July an MOU on Teachers Professional Development & ICT to be carried out by MASHAV's Educational Training Center – METC.

Evaluation Mission

Two leading Israeli experts arrived in Kenya to evaluate the ongoing project on Education for Sustainable Development, which is being conducted in since 2010 by MASHAV through its Educational Training Center-METC in cooperation with Kenya's Ministry of Education, KEPSHA- Kenya Primary Schools Head Teachers Association, and the Israeli Embassy in Kenya. Close to 800 Kenyan educators from over 90 schools and institutions have taken part in training activities conducted both in Israel and in Kenya during the 2010-2016 period.

The mission defined six main issues which were examined in the different schools, analyzed as strengths, challenges and detailed recommendations regarding future potential, continuous dissemination and empowerment.

Israel-Kenya-Germany Trilateral Cooperation in Lake Victoria

With the goal of increasing the income of fish farmers' households, eradicating poverty in the region and improving the Lake Victoria ecosystem, Kenya, Germany and Israel joined hands in a trilateral cooperation to improve the farmed tilapia value chain in Kenya. The three parties signed in July 2015 an 3-year agreement to implement the Phase II of the Trilateral Tilapia Cooperation, to enhance sustainable ways of protecting Lake Victoria environment by creating alternative livelihoods for the communities living around the lake. The cooperating partners include Kenya's Ministry of Agriculture, Livestock and Fisheries (MoALF), the Israeli Ministry of Foreign Affairs through MASHAV, and the German Cooperation Implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

Education for Sustainable Development

The Republic of Kenya, through its Ministry of Education and MASHAV are implementing a plan towards the implementation of Education for Sustainable Development (ESD) in the curricula of learning institutions. The program is a joint-directive between Kenya's Ministry of Education, MASHAV, the Ofri International Training Center, and the Organization of School Principals in Kenya –KEPSHA.



Liberia

PARTICIPANTS IN ISRAEL	2
Education	1
Environment Issues	1

ON-THE-SPOT COURSES	1
Education	1
TOTAL NUMBER OF PARTICIPANTS	40

SHORT-TERM CONSULTANCIES	1
Agriculture	1



Madagascar

PARTICIPANTS IN ISRAEL	6
Agriculture	3
Education	2
Community Development	1



Malawi

PARTICIPANTS IN ISRAEL	6
Agriculture	1
Education	3
Community Development	2
ON-THE-SPOT COURSES	1
Agriculture	1
TOTAL NUMBER OF PARTICIPANTS	30



Mali

PARTICIPANTS IN ISRAEL	3
Agriculture	3



Mauritius

PARTICIPANTS IN ISRAEL	1
Agriculture	1



Mozambique

PARTICIPANTS IN ISRAEL	1
Small and Medium Enterprises	1



Niger

PARTICIPANTS IN ISRAEL	6
Agriculture	6



Nigeria

PARTICIPANTS IN ISRAEL	33
Agriculture	16
Medicine and Public Health	1
Education	3
Community Development	1
Rural and Urban Development	3
Science and Technology	2
Management	1
Small and Medium Enterprises	2
Environment Issues	4



Rwanda

PARTICIPANTS IN ISRAEL	12
Agriculture	3
Community Development	1
Rural and Urban Development	2
Small and Medium Enterprises	4
Environment Issues	2
SHORT-TERM CONSULTANCIES	2
Agriculture	2
LONG-TERM CONSULTANCIES	1
Agriculture	1

Rwanda

Center of Excellence for Advanced Horticulture

A three-year agreement signed in December 2016 in Kigali presented the framework for the establishments of a Center of Excellence in Agriculture. The bilateral initiative was conceived in support of Rwanda's national plan to modernize its agricultural sector, to stimulate agricultural growth and alleviate

rural poverty. Special emphasis is given on building local capacities in agriculture and agricultural entrepreneurship, and will conduct applied agricultural R&D in order to adapt Israeli agricultural experience, technologies and innovations to local needs, serving all stakeholders in the horticultural sector, from small-holders to large commercial farmers.



Senegal

PARTICIPANTS IN ISRAEL	8
Agriculture	8



Seychelles

PARTICIPANTS IN ISRAEL	11
Agriculture	3
Education	6
Community Development	2



Sierra Leone

PARTICIPANTS IN ISRAEL	5
Agriculture	1
Community Development	2
Environment Issues	2
SHORT-TERM CONSULTANCIES	2
Medicine and Public Health	2

Sierra Leone

Dialysis Unit in Sierra Leone

Following an Israeli medical mission kidney patients in Sierra Leone have access to the country's first dialysis unit. MASHAV donated the unit in 2012 and training of the local medical teams commenced in Israel. However, when the Ebola crisis hit the country, the set up phase came to a halt. The dialysis unit is now fully operational, and Israeli experts continue training local medical staff.



South Africa

The State of Israel through MASHAV provided emergency relief to the city of Knysna in South Africa following devastating fires. The area was declared a disaster and dozens of emergency centers were set up to help over 10,000 residents unable to return home.



SHORT-TERM CONSULTANCIES	2
Small and Medium Enterprises	2

South Sudan

MASHAV dispatched food relief to drought stricken communities in South Sudan. The shipment was personally coordinated and distributed by the Ambassador of Israel in South Sudan.



TOTAL NUMBER OF PARTICIPANTS 18

TanzaniaTogo

SHORT-TERM CONSULTANCIES	3
Medicine and Public Health	2
Education	1

Togo

MASHAV and Togo's Ministry of Health signed a MOU in October for the establishment and installation of an Emergency & Trauma Unit including training of local medical staff.

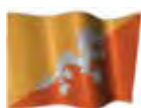


Zambia

Zimbabwe

PARTICIPANTS IN ISRAEL	4
Agriculture	4

ASIA & OCEANIA



Bhutan

PARTICIPANTS IN ISRAEL	1
Education	1



Cambodia

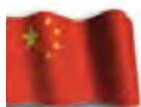
PARTICIPANTS IN ISRAEL	6
Agriculture	1
Education	5

SHORT-TERM CONSULTANCIES	3
Agriculture	3

PARTICIPANTS ABROAD (REGIONAL)	3
Agriculture	3

Cambodia

Deputy Head of MASHAV met with Cambodia's Minister of Agriculture in June to discuss enhancing cooperation to develop the agricultural sector. Cooperation is also taking place between MASHAV and the Royal University of Agriculture of Cambodia (RUA). The parties are in the process of formulating a capacity-building program to share Israel's experience in irrigation technologies and modern agricultural practices.



China

PARTICIPANTS IN ISRAEL	25
Agriculture	24
Management	1

ON-THE-SPOT COURSES	4
Agriculture	2
Rural and Urban Development	2
TOTAL NUMBER OF PARTICIPANTS	373

SHORT-TERM CONSULTANCIES	2
Agriculture	1
Rural and Urban Development	1

LONG-TERM CONSULTANCIES	1
Agriculture	1



Cook Islands

PARTICIPANTS IN ISRAEL	1
Education	1



East Timor

PARTICIPANTS IN ISRAEL	1
Community Development	1

PARTICIPANTS ABROAD (REGIONAL)	2
Agriculture	2



Fiji

PARTICIPANTS IN ISRAEL	3
Agriculture	1
Medicine and Public Health	1
Education	1

Fiji

MASHAV-Fiji Ministry of Agriculture Agreement

The MOU signed between the parties in July establishes a framework of cooperation to contribute to human capacity building in the areas of agriculture, water, food security and sustainability.



India

PARTICIPANTS IN ISRAEL	108
Agriculture	64
Education	10
Community Development	6
Rural and Urban Development	6
Science and Technology	2
Management	2
Small and Medium Enterprises	5
Environment Issues	13

ON-THE-SPOT COURSES	1
Community Development	1
TOTAL NUMBER OF PARTICIPANTS	35

SHORT-TERM CONSULTANCIES	12
Agriculture	12

LONG-TERM CONSULTANCIES	1
Agriculture	1

India

The Indo-Israel Agriculture Cooperation Project

Israel and India marked in 2017, 25 years of ongoing partnership. New Centers of Excellence were inaugurated in Talala-Gujarat; in Ramnagar-Haryana (beekeeping); and in Thally-Tamil Nadu (cut flowers). The ongoing cooperation includes establishing over 30 Centers of Excellence in Agriculture in 9 states across India. It has become a strong sustainable platform for addressing challenges via applicable research and introduction of relevant, innovative Israeli agro-technologies. Professional training takes place both in India and in Israel, including courses and consultation missions. A long-term MASHAV agricultural expert accompanies the program.



Kiribati

PARTICIPANTS IN ISRAEL	3
Education	2
Small and Medium Enterprises	1



Laos

PARTICIPANTS ABROAD (REGIONAL)	4
Education	4

ASIA & OCEANIA



Micronesia

SHORT-TERM CONSULTANCIES	1
Medicine and Public Health	1



Myanmar

PARTICIPANTS IN ISRAEL	26
Agriculture	5
Medicine and Public Health	2
Education	6
Community Development	4
Rural and Urban Development	4
Science and Technology	1
Small and Medium Enterprises	3
Environment Issues	1

ON-THE-SPOT COURSES	1
Agriculture	1
TOTAL NUMBER OF PARTICIPANTS	20

SHORT-TERM CONSULTANCIES	3
Agriculture	3

PARTICIPANTS ABROAD (REGIONAL)	3
Agriculture	3

Myanmar

MASHAV-JICA Cooperation in Myanmar

A workshop on Water Management was conducted at Yezin Agricultural University in Myanmar with the aim of sharing Israel's knowledge and experience the field, within the framework of cooperation between MASHAV, JICA, the Embassy of Israel in Myanmar and the local Ministry of Agriculture and Livestock and Irrigation.



Nauru

PARTICIPANTS IN ISRAEL	1
Agriculture	1



Nepal

PARTICIPANTS IN ISRAEL	25
Agriculture	9
Medicine and Public Health	1
Education	9
Community Development	3
Rural and Urban Development	1
Small and Medium Enterprises	1
Environment Issues	1



Palau

PARTICIPANTS IN ISRAEL	2
Environment Issues	2



Papua New Guinea

PARTICIPANTS IN ISRAEL	2
Agriculture	2

SHORT-TERM CONSULTANCIES	1
Medicine and Public Health	1

Papua New Guinea

MASHAV experts conducted an Emergency Situation Preparedness workshop in Papua New Guinea for professionals representing PNG's National Disaster Center and emergency response and relief organizations. The workshop included theoretical, practical and simulation activities in relevant areas, among them: disaster management, triage, risk assessment, teamwork, search and rescue, guidelines for policy development, and more.



Philippines

PARTICIPANTS IN ISRAEL	10
Agriculture	1
Education	5
Community Development	1
Rural and Urban Development	1
Management	1
Environment Issues	1

ON-THE-SPOT COURSES	2
Medicine and Public Health	2
TOTAL NUMBER OF PARTICIPANTS	78

PARTICIPANTS ABROAD (REGIONAL)	4
Agriculture	4



Solomon Islands

PARTICIPANTS IN ISRAEL	1
Small and Medium Enterprises	1

SHORT-TERM CONSULTANCIES	1
Small and Medium Enterprises	1

Solomon Islands

A pilot training program on Small and Medium Enterprises took place in the Solomon Islands with the aim of sharing knowledge and skills to promote economic growth and build an overall entrepreneurial training program for young people and community development.



Sri Lanka

PARTICIPANTS IN ISRAEL	4
Education	1
Rural and Urban Development	2
Science and Technology	1

ASIA & OCEANIA

Sri Lanka

Humanitarian Assistance

The government of Israel provided immediate disaster relief in wake of the floods and landslides that affected hundreds of thousands in Sri Lanka.

Assistance included delivery of power generators, drinking water and other emergency supplies.



Vanuatu

PARTICIPANTS IN ISRAEL	1
Agriculture	1



Vietnam

PARTICIPANTS IN ISRAEL	38
Agriculture	10
Education	12
Community Development	3
Science and Technology	2
Management	1
Small and Medium Enterprises	3
Environment Issues	7

ON-THE-SPOT COURSES	1
Rural and Urban Development	1
TOTAL NUMBER OF PARTICIPANTS	91

SHORT-TERM CONSULTANCIES	7
Agriculture	6
Small and Medium Enterprises	1

PARTICIPANTS ABROAD (REGIONAL)	3
Agriculture	3



Thailand

PARTICIPANTS IN ISRAEL	15
Agriculture	6
Education	6
Community Development	1
Management	1
Environment Issues	1

ON-THE-SPOT COURSES (REGIONAL)	1
Agriculture	1

TOTAL NUMBER OF PARTICIPANTS	5
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SHORT-TERM CONSULTANCIES	1
Agriculture	1



Tonga

PARTICIPANTS IN ISRAEL	2
Agriculture	1
Medicine and Public Health	1



Tuvalu

PARTICIPANTS IN ISRAEL	1
Agriculture	1

Vietnam

Dairy Demonstration Farm in Vietnam

Established near Ho Chi Minh City the project includes the construction of a state-of-the-art milking parlor with a herd of 100 milking cows (pure Holstein Frisian cows) and 80 replacement heifers, as well as computerized recording systems; modern and intensive cooling systems; and veterinary care, including preventative treatments. All the machinery and equipment, as well as computerized software, is Israeli made. An MOU states cooperation in the field of dairy farming between the two countries until 2018.

In 2017, Israeli's President Reuven Rivlin and the First Lady visited MASHAV's Dairy Demonstration Farm during their state visit. Mrs. Rivlin also met with leading Vietnamese women graduates from MASHAV training courses.

CENTRAL EUROPE & EURASIA



Albania

PARTICIPANTS IN ISRAEL	5
Agriculture	1
Education	1
Community Development	1
Management	1
Small and Medium Enterprises	1



Armenia

PARTICIPANTS IN ISRAEL	37
Agriculture	17
Medicine and Public Health	2
Education	9
Community Development	1
Rural and Urban Development	2
Small and Medium Enterprises	6



Azerbaijan

PARTICIPANTS IN ISRAEL	18
Agriculture	8
Education	4
Community Development	1
Small and Medium Enterprises	2
Environment Issues	3

SHORT-TERM CONSULTANCIES	1
Agriculture	1



Belarus

PARTICIPANTS IN ISRAEL	20
Agriculture	4
Education	6
Community Development	4
Management	1
Small and Medium Enterprises	5

ON-THE-SPOT COURSES	1
Community Development	1
TOTAL NUMBER OF PARTICIPANTS	25



Bosnia Herzegovina

PARTICIPANTS IN ISRAEL	2
Agriculture	1
Community Development	1



Croatia

SHORT-TERM CONSULTANCIES	1
Education	1



Georgia

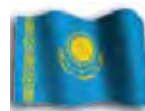
PARTICIPANTS IN ISRAEL	38
Agriculture	16
Education	12
Community Development	5
Management	1
Small and Medium Enterprises	4

SHORT-TERM CONSULTANCIES	2
Agriculture	2



Hungary

PARTICIPANTS IN ISRAEL	1
Small and Medium Enterprises	1



Kazakhstan

PARTICIPANTS IN ISRAEL	66
Agriculture	23
Medicine and Public Health	1
Education	10
Community Development	19
Rural and Urban Development	1
Science and Technology	2
Management	1
Small and Medium Enterprises	5
Environment Issues	4

ON-THE-SPOT COURSES (REGIONAL)	1
Agriculture	1
TOTAL NUMBER OF PARTICIPANTS	26

Kyrgyzstan

MASHAV-Kaz-ODA-UNDP in Kazakhstan

The first regional seminar for professionals from Central Asian countries on Innovative Irrigation and Water Management Technologies was held in Kazakhstan in cooperation with Kazakhstan's Official Development Assistance and UNDP Kazakhstan.



Kyrgyzstan

PARTICIPANTS IN ISRAEL	20
Agriculture	6
Medicine and Public Health	1
Education	5
Community Development	4
Rural and Urban Development	1
Small and Medium Enterprises	3

PARTICIPANTS ABROAD (REGIONAL)	7
Agriculture	7

SHORT-TERM CONSULTANCIES	1
Agriculture	1

CENTRAL EUROPE & EURASIA



Macedonia

PARTICIPANTS IN ISRAEL	13
Agriculture	6
Education	2
Community Development	2
Small and Medium Enterprises	2
Environment Issues	1



Moldova

PARTICIPANTS IN ISRAEL	4
Agriculture	1
Community Development	1
Small and Medium Enterprises	2
PARTICIPANTS ABROAD (REGIONAL)	9
Gender Issues	9



Serbia

PARTICIPANTS IN ISRAEL	22
Agriculture	13
Education	3
Community Development	4
Rural and Urban Development	1
Small and Medium Enterprises	1
SHORT-TERM CONSULTANCIES	1
Rural and Urban Development	1



Slovakia

PARTICIPANTS IN ISRAEL	1
Agriculture	1
ON-THE-SPOT COURSES (REGIONAL)	1
Gender Issues	1
TOTAL NUMBER OF PARTICIPANTS	24



Tajikistan

PARTICIPANTS IN ISRAEL	15
Agriculture	8
Education	4
Small and Medium Enterprises	2
Environment Issues	1
ON-THE-SPOT COURSES	2
Agriculture	1
Education	1
TOTAL NUMBER OF PARTICIPANTS	80



Turkmenistan

PARTICIPANTS IN ISRAEL	8
Agriculture	4
Community Development	3
Management	1
PARTICIPANTS ABROAD (REGIONAL)	4
Agriculture	4



Ukraine

PARTICIPANTS IN ISRAEL	82
Agriculture	31
Education	24
Community Development	9
Rural and Urban Development	2
Management	1
Small and Medium Enterprises	11
Environment Issues	4
PARTICIPANTS ABROAD (REGIONAL)	8
Gender Issues	8
SHORT-TERM CONSULTANCIES	6
Agriculture	2
Medicine and Public Health	1
Small and Medium Enterprises	3

Ukraine

Israel and Canada Cooperation in Ukraine

An agricultural cooperation agreement was signed between the two

countries to empower Ukrainian small and medium farmers within the framework of the Horticulture Business Development Project. The project is aimed at strengthening the capacity of over 30,000 small and medium farming entrepreneurs in the regions of Zaporizhya, Mikolayev, Odessa, and Kherson, in the areas of horticulture growing, storage and marketing of agricultural products as well as at introducing new agricultural technologies. The implementing partners are MASHAV, through CINADCO MEDA – The Mennonite Economic Development Associates of Canada, Global Affairs Canada, and the Ukrainian Horticulture Business Development Project.



Uzbekistan

PARTICIPANTS IN ISRAEL	23
Agriculture	12
Education	4
Community Development	1
Management	1
Small and Medium Enterprises	3
Environment Issues	2
ON-THE-SPOT COURSES	1
Community Development	1
TOTAL NUMBER OF PARTICIPANTS	38

ChileCosta Rica

Argentina

Colombia

Barbados

Dominica

Bolivia

Colombia

**MASHAV and Colombia's
Development Agency**

A cooperation agreement was signed between MASHAV and APC Colombia in July for cooperation in the areas of agriculture, education and health.

Dairy Cattle Project

An on-going Dairy Cattle project is taking place in Colombia in cooperation with the Atlantic Department local government, in the northern part of the country. Different stakeholders are involved in the project including dairy-production activities such as nutrition, reproduction, milk quality, and more.



PARTICIPANTS IN ISRAEL	1
Science and Technology	1



Dominican Republic

PARTICIPANTS IN ISRAEL	14
Agriculture	3
Education	7
Community Development	2
Management	1
Small and Medium Enterprises	1

LATIN AMERICA & THE CARIBBEAN



El Salvador

ON-THE-SPOT COURSES	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	31



ON-THE-SPOT COURSES	5
Agriculture	2
Community Development	1
Rural and Urban Development	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	152

Guatemala



Гуяна

PARTICIPANTS IN ISRAEL	1
Medicine and Public Health	1

Guyana

MASHAV-YABT Cooperation

MASHAV's experts conducted and innovative workshop in Guyana within the framework of cooperation between MASHAV and the Young Americas Business Trust. The goal was to introduce new management approaches and creative thinking in the area of small business entrepreneurship. Emphasis was placed upon demonstrating how to initiate a small business at the grassroots level with creative thinking, while maintaining a minimum financial investment



Haiti

PARTICIPANTS IN ISRAEL	6
Agriculture	1
Medicine and Public Health	1
Education	2
Community Development	1
Management	1



Honduras

ON-THE-SPOT COURSES	2
Agriculture	1
Rural and Urban Development	1
TOTAL NUMBER OF PARTICIPANTS	102

SHORT-TERM CONSULTANCIES	4
Agriculture	3
Regional Planning	1

LONG-TERM CONSULTANCIES	1
Agriculture	1

Honduras

Cooperation between MASHAV and Honduras' Ministry of Agriculture and Livestock, held within the framework of cooperation existing between Israel and Honduras in the field of agriculture, includes the integration of modern agro-technologies, water management, irrigation and capacity building activities. An on-site Israeli agricultural expert assigned to the program on a long-term mission carries out the program.



Jamaica

ON-THE-SPOT COURSES	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	31

SHORT-TERM CONSULTANCIES	1
Agriculture	1

LATIN AMERICA & THE CARIBBEAN



Mexico

PARTICIPANTS IN ISRAEL	5
Agriculture	5

Mexico

MASHAV-AMEXID

Israel Prime Minister Benjamin Netanyahu and Mexican President Enrique Peña Nieto signed a development cooperation agreement during the PM historic visit to Latin America September. The MOU, to be implemented by MASHAV and AMEXID, is designed to facilitate trilateral cooperation that will focus on water, agriculture, entrepreneurship & innovation. Under the terms of the MOU, the sides will focus on bilateral and trilateral development dialogues in order to deal with global challenges and improve global development results. The cooperation will take place – inter alia – through exchanges of knowledge and recommended work methods and mutual assistance to third countries.



Nicaragua

PARTICIPANTS IN ISRAEL	1
Agriculture	1



Panama

PARTICIPANTS IN ISRAEL	31
Agriculture	4
Education	16
Community Development	5
Rural and Urban Development	1
Management	1
Small and Medium Enterprises	2
Environment Issues	2

ON-THE-SPOT COURSES	2
Education	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	43

SHORT-TERM CONSULTANCIES	3
Agriculture	2
Education	1



Paraguay

PARTICIPANTS IN ISRAEL	47
Agriculture	12
Education	19
Community Development	7
Rural and Urban Development	3
Small and Medium Enterprises	4
Environment Issues	2

ON-THE-SPOT COURSES	2
Agriculture	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	70

Paraguay

Over 300 smallholder farmers in Paraguay are benefiting from a Drip Irrigation Project started a year ago in the San Pedro area by a MASHAV graduate. The projects is carried out in cooperation with the Embassy of Israel, the Ministry of Agriculture and the Federation of Cooperatives.



Peru

PARTICIPANTS IN ISRAEL	50
Agriculture	13
Medicine and Public Health	2
Education	15
Community Development	9
Rural and Urban Development	2
Science and Technology	1
Management	1
Small and Medium Enterprises	6
Environment Issues	1

PARTICIPANTS ABROAD (REGIONAL)	1
Education	1

SHORT-TERM CONSULTANCIES	1
Regional Planning	1

Peru

Humanitarian Assistance

The unusual heavy rains powered by El Niño conditions drenched parts of Peru with 10 times more rainfall than normal, causing the worst flooding hitting the country in 20 years. The Embassy of Israel in Peru immediately answered the request of assistance of the Peruvian Government organizing and delivering much needed food rations and potable water to the communities of Choisca District who were severely affected by the disaster. MASHAV also dispatched Israeli epidemiology and emergency medicine experts to share their experience in the prevention of health crises in the aftermath of natural disasters.



Suriname

PARTICIPANTS IN ISRAEL	1
Small and Medium Enterprises	1

ON-THE-SPOT COURSES	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	34



Trinidad and Tobago

PARTICIPANTS IN ISRAEL	2
Education	1
Community Development	1



Uruguay

PARTICIPANTS IN ISRAEL	16
Agriculture	2
Education	6
Community Development	2
Management	1
Small and Medium Enterprises	5

MEDITERRANEAN BASIN



Cyprus

PARTICIPANTS IN ISRAEL	1
Community Development	1



Turkey

PARTICIPANTS IN ISRAEL	5
Education	1
Community Development	1
Management	1
Small and Medium Enterprises	2

MIDDLE EAST & NORTH AFRICA

Regional Agricultural Program

MASHAV, Jordan and the Palestinian Authority participate in a joint regional agricultural program with the Japan International Cooperation Agency (JICA) acting as a sponsoring partner. The program benefits the advancements of the Palestinians in agriculture. Training activities focus on techniques related to vegetables, mangoes, beekeeping and stone fruit. The program's MOU, signed in 2016, includes on-site and regional training programs. The program is governed by a steering committee that meets regularly. In 2017, eleven activities in the various subjects were conducted in Israel. The program incorporates a subject matter specialist (SMS) training model. Three extension agricultural officers from the aforementioned fields accompany their Israeli counterparts in trainings. These sessions comprise both activities in the fields and workshops on various related issues.

Professional Seminars

In 2017, two regional workshops on "Management of Health Systems" for professionals from the Palestinian Authority were conducted in Israel, within the framework of cooperation between MASHAV and the Green Land Society for Health Development. A course on Women's Empowerment was conducted in cooperation with the Jordan Red Crescent for Jordanian women. The course was held in Arabic.



Egypt

PARTICIPANTS IN ISRAEL	2
Rural and Urban Development	1
Management	1



Jordan

PARTICIPANTS IN ISRAEL	10
Rural and Urban Development	1
Gender Issues	9
SHORT-TERM CONSULTANCIES	4
Agriculture	3
Medicine and Public Health	1

Jordan

MASHAV-JICA Agricultural Cooperation in Jordan

The joint cooperation project between MASHAV and JICA started in 2008, and includes professional training in the areas of irrigation, fertilization, organic agriculture and post-harvest care. The program is in its third phase that was renewed for the 2016-2019 period.

Palestinian Authority

PARTICIPANTS IN ISRAEL	118
Agriculture	49
Medicine and Public Health	38
Gender Issues	31

INTERNATIONAL PARTNERS

A key component in today's concept of international development cooperation is the need for greater coordination and cooperation between the many donors providing development and humanitarian assistance around the world, in an attempt to attain maximum efficiency and effectiveness. These processes must be implemented in alignment with the development strategies of partner countries throughout the developing world.

MASHAV shares the goals set by the international community for greater synergy and coordination and the creation of partnerships among donor and partner countries. Towards this end, MASHAV conducts and participates in professional dialogues, meetings and conventions with the donor community. In 2017, activities included partners from the following countries:



Australia

PARTICIPANTS IN ISRAEL
Rural and Urban Development

1
1



Germany

PARTICIPANTS IN ISRAEL
Small and Medium Enterprises

1
1



Sweden

PARTICIPANTS IN ISRAEL
Rural and Urban Development

1
1



Canada

PARTICIPANTS IN ISRAEL
Rural and Urban Development

1
1



Italy

PARTICIPANTS IN ISRAEL
Education
Rural and Urban Development

3
2
1

SHORT-TERM CONSULTANCIES
Agriculture

1
1



United Kingdom

PARTICIPANTS IN ISRAEL
Community Development

1
1



United States of America

SHORT-TERM CONSULTANCIES
Gender Issues

1
1



Portugal

PARTICIPANTS IN ISRAEL
Education

1
1



France

SHORT-TERM CONSULTANCIES
Agriculture
Community Development

2
1
1



Spain

SHORT-TERM CONSULTANCIES
Gender Issues

1
1

MASHAV conducts its extensive human capacity-building program through specialized training extensions and affiliated professional study centers, which provide the technical skills and personnel to conduct the professional programs. Following is a review of their activities during 2017::

CINADCO – Center for International Agricultural Development Cooperation

CINADCO is part of Israel's Ministry of Agriculture and Rural Development and operates as the professional affiliate of MASHAV in all its agricultural development programs carried out both in Israel and abroad.

CINADCO has been actively involved over the years in formulating, implementing and conducting international agriculture-based development cooperation programs. These activities are based on:

- International agricultural training courses and workshops held in Israel
- On-the-spot courses and workshops conducted overseas
- Agricultural and rural development demonstration projects aimed at technology transfer and capacity building carried out in different developing countries.

The professional hallmark of CINADCO's activities is based on Israel's own agricultural and rural development experience, to develop the agro- and rural-sector under semi-arid and arid climatic conditions and management of limited natural production resources alongside with the integration of appropriate

agro technologies and applied R&D. The Ministry of Agriculture and Rural Development's extension services and the Agriculture Research Institute (ARO) cooperate with CINADCO's development activities to deliver know-how to farmers and to the rural areas at large and to enhance overall national employment and economic growth.

CINADCO's MAIN PROFESSIONAL FUNCTIONS:

- Human and institutional resource development and capacity building.
- Transfer of knowhow in different agricultural and resource base conditions.
- Professional and operational support for planning and implementation of agricultural programs and projects.
- Professional consultancy services for agri-business development projects.
- Long-and short-term consultancy missions of experts to support overseas programs and projects.
- Special programs in agriculture-related subjects.

CINADCO's activities take place in Asia, Africa, Eastern Europe, CIS Republics, the Middle East, Latin America and Oceania. Activities are conducted in English, Spanish, French, Russian, Arabic and other local languages. The prime aim is to enhance development,



Postharvest Physiology, Pathology and Handling of Fresh Commodities at CINADCO-ARO

economic growth and employment through human capacity building, transfer of expertise and technologies that have assisted Israel's own path to agricultural and rural development.

CINADCO draws upon the development experience and professional skills of the pool of experts in the Israel Ministry of Agriculture and Rural Development, universities, institutes and the agro-sector of Israel at large.

A professional and operational network has likewise been developed with international institutions, organizations, and NGOs, through networking and development cooperation worldwide.

CINADCO's programs and implementation modalities are based on international agricultural training courses in Israel, overseas on-the-spot courses and workshops, joint agricultural research projects, development and operation of "demonstration via training" oriented agricultural/technological projects, professional consultancy advisory missions, and the publication of specialized professional learning publications and materials.

TRAINING ACTIVITIES IN ISRAEL

CINADCO provides professional consultancy to MATC (MASHAV's Agricultural Training Centre in Kibbutz Shefayim) and carries out all the R&D agricultural training programs held at the Ministry of Agriculture. In 2017 professionals from 43 countries have attended CINADCO's R&D agricultural training programs in Israel.

OVERSEAS ACTIVITIES

In 2017, over 700 trainees participated in over 20 training activities (on-the-spot courses) conducted in the following countries: Ukraine, Thailand, Georgia, Vietnam, Myanmar, China, Honduras, Paraguay, Guatemala, Colombia, Tajikistan, Azerbaijan, Kazakhstan, Ethiopia, Cameroon, Burkina Faso, Swaziland, Malawi and Kenya.

On-the-Spot Courses are an integral part of the overall human capacity program and of CINADCO's activities at large. They are usually based on a team of two Israeli agricultural experts carrying out the courses in collaboration with organizations both from the public and private sectors. Programs are also conducted in collaboration with international organizations and donor countries. The courses are tailor-made to meet specific local needs and requirements, thus assisting and addressing particular development issues and constraints. The overseas training program is based on different professional subject-matter topics pertaining to agriculture and rural development. This is aimed at reaching and being relevant to a wide range of respective professionals, development managers, field

operators, leading farmers, scientists, and decision makers in the agricultural and rural sector.

SHORT-TERM CONSULTANCY MISSIONS AND PROFESSIONAL STUDY TOURS

During 2017 some 50 short-term consultancy missions were conducted in the following countries: Colombia, Honduras, Panama, China, Georgia, Azerbaijan, India, Kirgizstan, Russia, Ukraine, Vietnam, Rwanda, Ethiopia, Cambodia, Myanmar, Swaziland, Côte d'Ivoire, Togo, Cameroon, Ghana, Tanzania, Liberia, Burkina-Faso, Kenya, Rwanda and Jordan.

The topics covered involved a wide range of agricultural and technology-related subjects such as field crops; nurseries; vegetables; dairy husbandry; aquaculture; horticulture and green house technologies; water resources development, irrigation and technology and other development related topics. The missions involve preparation of technical reports, recommendations and implementation programs, which provide the professional basis for future long-term joint cooperation projects.

DEVELOPMENT AND DEMONSTRATION PROJECTS

This area of activity involves the planning of development programs, project implementation work and the in-country management and technical support of actual development and professional management of demonstration cum training of agro-technology projects, operating as "Centers of Excellence" to enhance agricultural and rural development. These centers are professionally managed by on-site Israeli agricultural experts on long-term missions jointly with a professional counterpart acting on behalf of the in-country project management.

Five such demonstration training projects are managed by Israeli experts on long-term missions. Demonstration projects, including long-term assigned experts, have been operated in the following countries:

Ukraine: The on-going Horticulture Project, UHBDP in cooperation with Global Affairs Canada, and MEDA in four southern Ukrainian oblasts of Kherson, Mikolayev, Odessa, and Zaporizhya, focuses on the activity of Ukraine Horticulture Business Development and includes as principal components: Capacity building, know-how and knowledge transfer and implementation of modern technologies.

India: Activities in India are part of an expanded capacity building program in topics of vegetables cultivation, cut-flowers, mango, citrus, pomegranate, dates and beekeeping. The program integrates demonstration activities in 29 centres of excellence throughout different States: Haryana, Bihar, Gujarat, Maharashtra, Punjab, Rajasthan, Karnataka, Tamil Nadu and Uttar Pradesh.

Vietnam: A demonstration dairy farm was established in the vicinity of Ho Chi Minh City. The professional aspects and the management of the program are carried out by Israeli dairy production experts. The program focuses on animal nutrition, fertility aspects and management topics.

Myanmar: A professional program designed and conducted to support smallholder farmers in arid areas by improving irrigation methods based on different irrigation technologies. The program is carried out in cooperation with Global Affairs Canada and MEDA. Including on-going capacity building program in collaboration with Myanmar's Ministry of Agriculture and Irrigation.

Cambodia: Cooperation with the Royal University of Agriculture of Cambodia (RUA). The program aims at sharing Israel's experience in irrigation technologies and practices, taking into consideration the adaptability of methods and technologies under local conditions in Cambodia in the field of vegetable growing and management.

Colombia: The on-going Dairy Cattle project in cooperation with the local government of the Atlantic Department deals with different dairy-production activities such as nutrition, reproduction, milk quality etc. The aim is expanding the capacity building and demonstration program to other regions throughout the country.

Honduras: Cooperation with the Ministry of Agriculture for the integration of appropriate agro-technologies, water and irrigation. The program is carried out by an Israeli agricultural expert based in Honduras and assigned to the program on a long-term mission.

Kenya: An Agricultural Demonstration Training Centre was established at MIAD (regional training center), within the framework of the Galana Kulalo Food Security Project in cooperation with the Kenyan National Irrigation Board. On-the-spot training activities were carried out at the center and a training on irrigation was conducted in Israel.

Rwanda: The Mulindi Horticulture Centre of Excellence for Agriculture and Rural Development encompasses three main components: capacity building, implementation of modern technologies, know-how and transfer of knowledge. Over the last year the primary focus was on regulating water management systems and restoring the existing water reservoir. A special emphasis was put on prevention of environmental damages. A long-term expert accompanies the program.

Ghana: A joint project between MASHAV, the Ministry of Food and Agriculture of Ghana (MOFA), and GIZ, focusing on irrigation technology for maize production, capacity building, pest management and water management.

Ethiopia: Four development projects were carried out in Ethiopia:

- The on-going Small Holder Horticulture Project in cooperation with USAID Ethiopia. The project's objective is to promote economic growth in rural areas, by strengthening commercialization of small farmers in horticulture production in areas with recognized market potential and to increase the export of avocado (Hass variety).
- A Small Scale and Micro Irrigation Project (SMIS) is led and organized in collaboration with Small Scale Irrigation Development Directorate (SSID) of the Ministry of Agriculture and Natural Resources, (MoANR) Ethiopia. The objective is to develop the capacity of Ethiopian regional experts, engineers and agronomists in hands-on practical learning in the study, design and construction of drip and sprinkler irrigations and small earth dams for small scale irrigation and micro irrigation development in Ethiopia.
- A 'training of the trainers' on Fruit Tree Nursery Management & Production in Alamata, was led in cooperation with GIZ. The training focused on management of fruit tree nurseries and intensive fruits production.
- The First Lady's project: Drip Irrigation Kits were purchased by Israel and donated to four chosen agricultural schools located in Ethiopia, aiming at supporting the promotion of new low-cost technologies. Within the framework of the project, a pilot phase was conducted including tests, demonstrations and advisory services.

OTHER ACTIVITIES AND INITIATIVES

During 2017 other training activities were initiated and carried out by CINADCO in accordance with MASHAV's policies in cooperation and under the auspices of the various international development agencies and organizations.

- A training program for professionals nominated by the Economic Community of West African States-ECOWAS on the 'Linkage between Applied Research, Extension and the Farmer' was conducted in Israel with the participation of 18 representatives from 11 countries.
- As part of the ongoing cooperation between MASHAV and Italy's Development Cooperation Directorate, a tailor-made study tour on Agricultural Entrepreneurship was conducted in Israel by MCTC and CINADCO with the participation of 11 policy makers from Burkina Faso.
- Agricultural Internship Program: This unique program exposes more than 3,500 students each year from 30 developing countries and provides practical and

theoretical trainings on technologies, methods of growing and managing a modern agricultural farm, so that in their return they will be able to apply the knowledge and skills acquired for the development of agriculture in their respective country. CINADCO is professionally responsible for the curriculum of the program.

MATC – MASHAV Agricultural Training Center

MATC in cooperation with CINADCO is responsible for MASHAV's international agricultural cooperation, and specializes since 1963 in human capacity building and training programs in the fields of agriculture, water management, environment and rural development.

MATC is responsible for MASHAV's agricultural training activities in Israel, organizes and leads international, regional and country specific courses as well as professional study-visits, workshops and conferences based on Israeli agricultural know-how, innovation, and development experience. Its training programs, conducted in English, Spanish, French, Russian, and Arabic, and are specifically designed for professionals involved in agricultural development projects in their countries.

MATC complies with MASHAV's vision of developing human resources to ensure food security, create partnerships and ongoing international cooperation for sustainable development. MATC works in close

cooperation with Israel's Ministry of Agriculture and Rural Development and its Center for International Agricultural Development Cooperation (CINADCO) and collaborates with Israeli institutions and international organizations like FAO, ECOWAS, GIZ, UNIDO, UNESCO, MEDA, WMO and CAIEP.

In total, 542 professionals from 54 countries have attended MATC's training programs. The overall 2017's Agricultural Training Program held at MASHAV – MATC's Training Center in Kibbutz Shefayim included:

- 25 training activities: 16 International courses, 7 tailor-made country specific courses and 2 study visits
- 16 professional and high-level official delegations were hosted by MATC's staff in its Training Center in Kibbutz Shefayim

During 2017 we conducted several web-meetings and web-conferences with Embassies, MASHAV experts and MASHAV graduates, and 3 international folklore evening were organized.

The year 2017 marked the beginning of a professional cooperation with FAO for African countries. Under this framework, MATC hosted in March a delegation of representatives of African countries for a study visit on: "Agricultural Development and Adaptation to Climate Change". As an outcome of this first meeting, an International Course for Officers from African countries on "Sustainable Livestock Feed Management", was organized during August–September 2017.



Integrated Water Management for Development at MATC

The Golda MASHAV Carmel International Training Center (MCTC)

The Golda Meir MASHAV Carmel International Training Center (MCTC), the first of its kind in the domain of training for women's empowerment, was founded in Haifa in 1961 by MASHAV to conduct training activities in the socio-economic arena, with an emphasis on gender equality. Today, MCTC's activities are in line with the Sustainable Development Goals of the United Nations and focus on practical ways to enhance community participation in the process of development and the role of women in global development. Approximately 25,000 professional women and men from Africa, Asia, Latin America, the Caribbean, Oceania, the Commonwealth of Independent States, Eastern Europe, and the Middle East have participated in MCTC activities in Israel and abroad since its establishment.

During 2017 MCTC carried out a vast array of activities including international courses and workshops, seminars, and consultancies. A total of 433 participants attended the 19 activities at MCTC. Eleven courses were conducted in English, two in Spanish, two in Russian, two in French, and two in Arabic. MCTC staff together with MASHAV experts conducted a total of 20 consultancies and courses abroad.

MCTC hosted two special delegations in 2017 for study visits on Entrepreneurship and Agriculture in

cooperation with MATC. A governmental delegation from the Ministry of Agriculture and Water Management of Burkina Faso as part of the Trilateral Cooperation between MASHAV, Italy's Development Cooperation Agency, and the MAAH. As well as a group of small business owners from the Ukraine, leader farmers in the project of the UHBDP. This latter delegation arrived to Israel in the framework of collaboration between MASHAV, MEDA and GAC.

MCTC makes it a tradition to hold one-day seminars showcasing Israeli innovations and progress on topics of socio-economic development. These seminars are geared towards a mixed crowd of professionals, students and diplomatic guests from Israel and abroad. In 2017, 170 guests attended MCTC's day seminars on Women in Diplomacy and on health innovations entitled 'StartUp Health'.

Various international visitors, delegations and groups visit MCTC every year to learn about the Center's activity and look for common grounds for collaboration. Amongst the numerous visitors in 2017, MCTC hosted a delegation from the World Food Program, a group of leading women from the America-Israel Friendship League and a delegation from the University of Gondar, Ethiopia.

MCTC enjoys the partnership of many international and Israeli organizations. In 2017 the close collaboration on long term projects abroad as well as courses in Israel continued with UN-WOMEN, UNIDO, UNESCO, UNECE, UN-HABITAT, UN Environment, UN HABITAT and the Young Americas Business Trust (YABT) of the



Participants in MCTC's courses on Early Childhood Education for Children with Special Needs and Building Sustainable Communities: Leadership, Gender and the Environment

Organization of American States (OAS), Greenland Society for Health Development, Jordanian Red Crescent, Slovak AID, and the Singapore Cooperation Program. Throughout the year, MCTC hosted 5 international guest lecturers from UN WOMEN-ACTIL, UN Environment, UNECE, and UN HABITAT who joined course programs and shared from their expertise and networks with MCTC participants.

MCTC also continued its long lasting cooperation with local institutions such as the Haifa University on programs for Early Childhood Education and developed a new partnership with the Tiltan Design College where local students work on new graphic design to the Center's publications and more as part of their practical academic projects.

A total of 1,064 professionals participated in MCTC overseas training activities in 2017 spreading from Africa to Eastern Europe, the Caribbean and the Americas, Asia and the Pacific and took part in 4 international conferences.

The long-term partnership of MASHAV/MCTC with the YABT (the Young Americas Business Trust) in Latin America and the Caribbean on capacity building for entrepreneurship and innovation, continued with On the Spot Courses in 6 different countries.

Two On The Spot courses on 'Innovative Entrepreneurship for Women in Business' and on SME's support systems development took place in Honiara, Solomon Islands, together with the Small and Medium Enterprises Council of the Solomon Islands and in cooperation with the local ministry of trade.

Two missions were conducted in Juba, South Sudan for the project entitled "Upgrading the Fishery Sector in South Sudan through Women's Economic Empowerment" in cooperation with UNIDO and Global Affairs Canada.

The MASHAV-MCTC collaboration for the development of the agribusiness sector in the Ukraine with the Horticulture Business Development Project (UHBDP) supported by the Canadian Department of Global Affairs, and the Mennonite Economic Development Associates (MEDA) continued in 2017 with 3 missions in the Ukraine.

A new On the Spot course was held in Vietnam sharing Israeli expertise on mini accelerator programs in cooperation with the Danang Start-Up Council and the Danang Business Incubator. In Uzbekistan, MASHAV-MCTC experts led a course on speech therapy for children with ADHD in cooperation with the Center of Social Adaptation of Children.

MCTC director participated in the 61 Commission on the Status of Women (CSW) that took place at the United Nations Headquarters in New York. At the Israeli side event held in cooperation with the UNECE

on 'Transforming Women's Leadership through Innovative Entrepreneurship – Opportunities and Challenges' she shared MASHAV-MCTC's experience on the topic. Other speakers in the event included the gender focal point of UNECE, the head of gender unit at the UN Environment, board member of the Jordanian red crescent and director of the vocational center, Jordan, and the president of women corporate directors and of united way, Panama.

MCTC staff also presented at the OMEP -World Organization for early childhood education in Croatia, in the 5th Mesoamerican Forum of SMEs in Panama and participated in the preparatory meetings of the UFM (Union for the Mediterranean Third High Level Conference on Women Empowerment) in Barcelona.

The Ofri MASHAV International Educational Training Center – METC

METC was established in 1989 by Haigud Society for Transfer of Technology, as a professional affiliate of MASHAV. The Center works in cooperation with Israel's Ministry of Education. Since its establishment, METC has trained thousands of participants from all over the world, introducing them to the wealth of knowledge and experience accumulated in Israel, and presented by top experts in the field of social development. The Center contributes to the sustainable development of human resources.

METC offers a holistic and inclusive approach to education-related issues, the belief being that education should be flexible and adapt itself to the individual. It focuses on learning at all levels, from elementary and secondary school to adult education, and provides professional training for developing basic skills, civic awareness and education for special populations. The Center's guiding principle is to address the specific needs of each country and organization requesting human resource development following a demand-driven approach. It maintains direct contact with the participants and their affiliated institutions both prior to and following the programs, whether in Israel or abroad.

METC cooperates with senior staff at Israel's Ministry of Education, academic experts and governmental and non-governmental organizations. In addition, it cooperates with key international organizations such as UNESCO, Teachers for Education 2030, OECD, USAID, UNODC, IOM, the World Bank and the OAS.

Key Subject Areas include: Education for Sustainable

Development, Innovation and Entrepreneurship in the Educational System, Curriculum Development, Teacher Training, Training of Principals, Training of Educational Inspectors, Training Teachers in Indigenous Areas, Information and Communication Technologies (ICT) in Education, Education for Science and Technology, Special Education, Community Schools and Educational Initiatives, Adult Education, Education for Gifted Students and Education for Excellence, Programs for Youth at Risk and the Reintegration into the Educational System, Young Leadership and a Comprehensive Drug Control Strategy – Israel's model.

In addition, we have developed a new training course specifically focused on the STEM (Science, Technology, Engineering & Mathematics) Approach for Educators involved in the field of Science from an interdisciplinary perspective. Following international educational trends and even though ICT and Science are related and complementary, each topic received its own space for further exploration. Moreover, the training course on "New Pedagogies in the 21st Century for Higher Education Teachers" was held successfully in Israel for a second time.

During 2017, about 300 professionals participated in 14 training courses at the Center in Israel.

ACTIVITIES ABROAD

Apart from our activities in Israel, we conducted a number of On the Spot activities in Colombia, Costa Rica, Kenya, and Panama which included workshops,

lectures, conferences and consulting for future projects in 2018. During these visits, more than 600 educators and local leaders took part at the different events. The activities abroad focused in the subject of New Pedagogies, Education towards Sustainable Development, and Innovation in Education.

VIRTUAL ACTIVITIES

Following last year activities, we continued our E-learning and Peer-school projects in collaboration with the Ministry of Education for our alumni. The online courses focus on learning strategies in the 21st century, pedagogic innovation and integration of digital tools in educational processes. The E-learning project included 2 on-line courses, one in Spanish and one in English in which 104 alumni educators participated. The Peer-school project connected between 20 Israeli schools and 20 schools from abroad. METC alumni from Armenia, Belize, Colombia, Ecuador, India, Kazakhstan, Kenya, Nepal, Nigeria, Tanzania, Uganda, Ukraine, and Vietnam lead this project.

CONTENT DEVELOPMENT

We believe that "Sharing is Inspiring", which means that one of METC's pillars is to share the experience and knowledge of Israel in the field of Education with the solid objective of inspiring educators around the world and raise levels of quality in education.

A series of 7 short-movies were produced reflecting the 8 year joint project on 'Education Towards Sustainable



Professional Development for In-Service Teachers at METC

Development', an educational cooperation between MASHAV – METC and the Ministry of Education in Kenya. These short movies showcase the impact of the project in our alumni educational institutions. The short movies are available online at our YouTube channel – <https://goo.gl/Kix9Y2>.

A booklet on the STEM Approach in Israel was produced. The training course on STEM aroused interest in our alumni community, therefore we decided to capture the most interesting activities taking place in the Israel scene on this topic. The booklet has 6 articles written by Israeli Educational professional from leading organizations and institutions. It was published on line at our website – <https://goo.gl/wMhFzK> and hard copies were printed.

SEMINARS

With the objective of sharing part of our activities and contents developed in the center two seminar days were organized: Presenting the 'Education Towards Sustainable Development' Project; and 'The Israeli ESD Program' held in cooperation with the Science Education Department of Israel's Ministry of Education of Israel.

The sustainable development of any nation rests with its human capital and its ability to generate new ideas and foster skills. Education is the bedrock of society and at METC we enhance the builders of the future – the Educators.

The Weitz Center for Sustainable Development

The Weitz Center for Sustainable Development is a non-profit NGO dedicated to address the most urgent developing issues from a sustainable point of view. The Center mainly specializes in Training; Knowledge transfer platforms; Professional Planning and consulting on sustainable development projects; and Capacity building.

The center works both on regional and local development in Israel and in the developing world. The Center has a long-term cooperation with MASHAV, mainly focused on training activities.

The Weitz Center courses are interdisciplinary by nature, and participants are professionals in the fields of sustainable development, planning, agriculture, economy and more. More than 5,500 professionals from developing countries have taken part in the Weitz Center training programs, based on the internationally recognized "Rehovot Approach" of Integrated Regional Development, which aims at the eradication of poverty and the promotion of social-economic rural & urban development. The "Rehovot Approach" views the region as the basic unit for development and planning and has been applied in many less-developed areas of developing countries.

Additional areas of specialization include: Regional & Local Competitiveness; Income Generating Activities in



Green Growth and Rural Revitalization at the Weitz Center

Rural Areas; Strategic Planning for Local Development; Sustainable Services Delivery Systems; Local Economic Development; Urban Rehabilitation Projects; Development Projects Formulation; Development of Sustainable Tourism; Entrepreneurship Promotion; Policy and economic measures for local and regional Sustainable development; Technology for sustainable development and project and career development skills.

TRAINING IN ISRAEL

We wrapped up a successful year of MASHAV courses, in which we hosted over 100 participants from 33 developing countries for trainings on "Rural Revitalization", "Addressing the Urbanization Challenge", "Clean Tech" and "Green Growth". During each course, participants also worked on diverse projects related to local development needs.

To learn more about our graduates' projects in our online knowledge-sharing platform dedicated to showcasing Local Economic Development projects (over 90 inspirational video clips and counting): www.my-led.org/. The LED platform aims to provide a platform for sharing knowledge and experience on local sustainable development in large magnitude, thus assist the knowledge to expand and grow. We welcome you to upload your own project.

During the courses participants also took part in several unique activities such as the WATECH conference,

where participants met and created connections for future collaboration with Israeli water technologies. In addition, the Center started a communal pilot project with the diplomacy program of a neighbouring high-school, where both sides, Israeli students and MASHAV participants, got to know each other, hear about each other's culture and sustainable development challenges in their country. Due to the success of the first pilot, the Center aims to continue and develop this unique connection and experience to further courses.

During 2017 the Center continued its long cooperation with UNESCO in its course on "Addressing the Urbanization Challenge" in which participated 28 professionals from 18 countries.

The Hebrew University of Jerusalem – The Robert H. Smith Faculty of Agriculture, Food and Environment, The International School of Agricultural Sciences

Though small in size, Israel's agricultural sector is vibrant and highly advanced. What was once a poor region ranging from largely-rock-covered land to desert sand, with little fertile soil and very little water, has become a flourishing agricultural power. Israel's agriculture



Feeding the Future: Food Safety and Technology in Times of Global Change, at the Faculty of Agriculture

transformation is an example which gives hope to developing countries: adapting current knowledge and techniques to local conditions can lead to an improvement in production, particularly for the alleviation of hunger. Farmers in Israel today are equipped with highly developed entrepreneurial skills and the managerial abilities required for coping with the changing, dynamic world of modern agriculture.

The Faculty of Agriculture, Food & Environment has long been at the forefront of agricultural research. Its scientists have developed ground breaking innovations such as drip irrigation, soil solarization, long shelf-life vegetables and efficient use of salt water, to name but a few. It is the only institute of higher education in Israel offering university degrees in agriculture – both in Hebrew and English – and is home to Schools of Nutritional Sciences and Veterinary Medicine.

The International School of Agricultural has been providing English-language programs in agriculture, nutrition, and agricultural sciences since 1988. More than 3,000 participants from around the globe have attended graduate degree programs, and short training courses, and workshops at the International School (former Division for International Studies). The International School short-term programs include: Post-graduate professional courses in partnership with MASHAV; Euro League of Life Sciences (ELLS) Summer Program; Summer Program in Agricultural Sciences with the Council of Higher Education (CHE) for students from China and India; Tailored Programs for governmental and non-governmental organizations. Master degree programs are also offered in six disciplines: MSc in Nutrition, MSc in Agriculture majoring in Plant Sciences (Horticulture or Field and Vegetable Crops), MSc in Agriculture majoring in Animal Sciences and MSc in Agriculture majoring in Environmental Quality Sciences, MSc in Viticulture & Enology and the six and new graduate program Master in Development Practice (MDP). The programs are conducted in English.

MASHAV's professional programs represent an integral part of the International School of Agriculture Sciences at the Faculty of Agriculture. These vital programs offer advanced capacity-building and leadership development opportunities for international agriculture-related professionals, scientists, researchers and decision-makers from developing countries. Many are part of the next generation of leaders, open-minded, seeking new ideas and methods. MASHAV's international short-term courses are conducted in English.

Two MASHAV international courses took place in 2017:

- **Feeding the Future: Food Safety and Technology in Times of Global Change** The course provided the 20 participants from 16 countries with management skills for confronting hazards and threats in the food industry. The course was held in cooperation with the Singapore Cooperation Program.
- **Nutrition in a Changing Global Environment** 22 professional from 17 countries participated in the course. The course covered a wide range of current issues in nutritional science, such as the role of nutrition in the human life cycle: infants, children, adolescents, mothers, adults, and the elderly.

All courses included lectures, hands-on laboratory sessions, professional field trips and cultural tours of Israel.

The Center for Cooperation and Advancement

The Center for Cooperation and Advancement (CCA) was established in 2003. The Center's activities are conducted in Russian in partnership with MASHAV and in cooperation with governmental and non-governmental international organizations, including USAID, IOM, the Soros Foundation, the World Bank, UNDP, and others.

CCA focuses on societies undergoing significant processes of transformation:

- From centralized to free markets economies,
- From political dictatorship to democracy
- From poverty to social and economic advance.

In addition, the CCA supports research for new technologies, the initiation and promotion of start-up projects and the transfer of technologies. The professional programs are application oriented: Participants learn to combine theory and reality by developing creative thinking and finding both traditional and modern responses. The aim of our training courses and workshops is to develop a process which may be described as "self-doing" by adapting the methods learned in Israel to the realities of the participant's home country.

CCA's activities focus in the following areas:

- Education- "Integration of disabled children in the educational system" (A 14 year-old program started in cooperation with the government of Moscow and continuing now with the FSU republics)
- General Education and Academic Education, Universities –Programs and Management



Integration of Disabled Children in Normative Educational Frames at CCA

- “Police and Community”, public and community leaders for Local Security
- The role of NGOs as significant factors in providing social welfare and fundraising services and activities
- Leadership in Democratic Societies
- Transition to a Market Economy
- Innovation and Entrepreneurship
- The Role of Mass Media in Civil Society
- Media Strategies for Social Change
- Scientific Research in Israel and Development of technologies, and their transfer as a mean of fostering economic growth
- Technological Innovation and Entrepreneurship through enhancing the knowledge base of industry in Israel, stimulating high value-added R&D and encouraging R&D collaboration internationally.
- Agriculture in Israel and Transfer of Israeli Technologies in Agriculture.

In 2017, close to 90 professionals participated in our programs in the framework of the following courses:

- Integration of Disabled Students in University
- Integration of Disabled Children in Normative Educational Frames
- Police and Community
- Agriculture – Treatment after Harvesting

The International Institute – Histadrut

The International Institute of Leadership was founded by the General Federation of Workers in Israel, the Histadrut, in 1958 and is a non-profit organization. Today the International Institute works with populations from Latin America, Africa, Asia and Eastern Europe.

The International Institute of Leadership, located on the Beit-Berl Campus near Kfar Saba, promotes tolerance, social justice, development, peace and democracy. The Institute programs are geared to a wide spectrum of organizations, including trade unions, professional associations, cooperatives, journalists, Police forces, women and youth organizations, rural development organizations, grass-root people’s organizations, urban community development centres and others.

During 2017, the International Institute of Leadership conducted two international courses in cooperation with MASHAV:

- Police and Community (in Spanish)
- Social Integration for Marginal Youth (in Spanish)



Social Integration for Marginal Youth at the International Institute

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. 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 Arava Institute gives Jewish, Arab and international students 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.



Renewable Energy as a Catalyst for Regional Development at the Arava Institute for Environmental Studies

In May 2017, the Arava Institute held its sixth course in the topic of Renewable Energy entitled "Renewable Energy as a Catalyst for Regional Development". The course was designed for professionals to gain knowledge about the basics of renewable energies and how to use renewable energy sources as a means for regional development. Participants from fifteen countries took part in the course. The program included lectures focusing on the science of renewable energy, bio-gas technologies, energy policy, economics, and entrepreneurship. The group participated in several field trips to learn about technologies and renewable energy installations in the region.

Rambam Health Care Campus – The Teaching Center for Trauma, Emergency and Mass Casualty Situations

The Teaching Center for Trauma, Emergency and Mass Casualty Situations is located at the Rambam Health Care Campus, the only Level One Trauma Center and tertiary care hospital in the north of Israel, serving a population of 1.5 million people. The Teaching Center aims to share the knowledge accumulated at Rambam Health Care Campus and in the rest of Israel concerning

the organization of a trauma system and mass casualty situations.

Within the framework of the ongoing cooperation with MASHAV, the Teaching Center has organized and successfully delivered international courses for physicians and nurses on "Developing and Organizing a Trauma System". Over 541 participants from 65 countries have participated in the professional courses until now. At the end of the course, participants present a model for the establishment of a trauma system in their countries. Over the years, participants have succeeded in developing a trauma system in their own countries. Following their exposure to the Israeli system together and their personal input, upon their return to their countries the participants were able to make changes to improve the local trauma systems and, as a direct result, improve patients' treatment.

In October 2017 the Teaching Center successfully organized the 14th International Course on "Developing and Organizing a Trauma System and Mass Casualty Situation Organization." Attending the course were 29 physicians, nurses and paramedics from 20 countries including: Belarus, Cameroon, Costa Rica, Ecuador, Ethiopia, India, Kenya, Myanmar, Nepal, Peru, Serbia, Thailand, Turkey, Ukraine, Vietnam, Zambia, and four independent trainees from Australia, Italy, Norway and New Zealand.



Developing and Organizing a Trauma System and Mass Casualty Situation Organization at the Rambam Teaching Center for Trauma, Emergency and Mass Casualty Situations

The Hebrew University- Hadassah Braun School of Public Health and Community Medicine

The Hebrew University-Hadassah Braun School of Public Health and Community Medicine has been active in training Israeli and international students in the field of public health for nearly 60 years. The International Master of Public Health (IMPH) Program was established in 1970 in order to fulfil the School's mission of improving health through research, teaching and service to the community, and to share our learned experiences and expertise with health professionals from developing countries.

The IMPH Program is a scientifically stimulating and culturally rewarding experience, allowing study and interaction with peers from different professional and cultural backgrounds, in the unique setting of Jerusalem.

To date, more than 850 physicians, nurses, economists, environmental specialists, and other professionals from nearly 100 countries have completed the IMPH degree. Many of our graduates

have become Public Health leaders in their own countries in government, NGOs, academia and service provisions.

During the first decades, the Program was under the exclusive sponsorship of MASHAV. Today, support for scholarships for students from low-income countries comes from MASHAV and other donors of Hebrew University, including Pears Foundation (UK), the British, American and South African Friends of Hebrew University (Moshal).

In recognition of our ongoing public health training efforts in Israel and abroad, the World Health Organization designated our School as a WHO Collaborating Centre for Capacity Building in Public Health (2007-2014). The School and its MPH Programs were accredited by the Agency for Public Health Education Accreditation (APHEA).

In 2017, the School underwent an evaluation by the Council for Higher Education (MALAG) in Israel.

The 2016-2017 IMPH class comprised 21 students from: Cameroon, China, East Jerusalem, Ethiopia, Fiji, Ghana, Guyana, Haiti, India, Kenya, Mongolia, Nepal, Nigeria, Russia, Sierra Leone, Vietnam, and Zimbabwe.

The Braun School also offers short workshops/courses on a broad range of public health issues in Jerusalem or on-site.



International Master of Public Health Program, 2016-2017 at the Braun School of Public Health and Community Medicine

SHALOM CLUBS

MASHAV maintains contact with its alumni through a network of more than 70 Shalom Clubs worldwide. The clubs serve as a forum to take part in professional and social activities. Members are invited to attend local lectures from skilled experts, exchange ideas and donate their own expertise to organize activities for the benefit of their communities.

Following is an overview of some of the activities carried out in 2017:



Kenya

Kenyan teachers, graduates from MASHAV courses, established the Education Chapter of Kenya's Shalom Club. With the number of teachers in MASHAV's programs growing every year, the newly formed chapter intends to program activities to benefit their society. The inauguration ceremony counted with the distinguished presence of Ms. Leah Rotich, Director General, Kenya's Ministry of Education, Science and Technology.



Ecuador

The staff of the Israeli Embassy in Ecuador together with the local Shalom Club members and the Cecilia Rivadeneira Foundation joined hands for a joyful celebration of volunteerism. Over 80 children enjoyed a day full of activities which included dancing, games, a puppets theater, musical performances and sporting activities, all led by five medical clowns and devoted volunteers.



Nepal

The children of Kathmandu's orphanage enjoyed an action packed day organized by the Embassy of Israel in Nepal and the local Shalom Club under the auspices of MASHAV. Activities included wall climbing at Kathmandu's Climbing Center and a great lunch.

Ethiopia

The Embassy of Israel in Ethiopia together with the local Shalom Club members organized fun activities in the premises of Addis Ababa's school for children with special needs. The children enjoyed sporting games, music, dancing and fun snacks. The joyful day was organized in cooperation with the school's professional staff.

Bangalore-India

The inaugural meeting of the Shalom Club in Bangalore, India, held under the auspices of the Israeli Consulate, counted with the participation of MASHAV graduates from southern Indian states who shared their experiences following their courses in Israel, and the impact in their professional work. The newly established Shalom Club is planning its future activities and will serve as a forum for the club members to work for the benefit of their communities.

Latin America

The 11th Biannual Conference of Latin American Shalom Clubs took place this year in Paraguay with the participation of over 300 delegates from Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Panama, Peru, Paraguay and Uruguay. The guest of honor was Sergio Gryn, Academic Director at MASHAV's affiliated training center, the International Institute. The 3-day conference created a unique platform for the exchange of new ideas and included the presentation of over 30 projects being implemented by MASHAV graduates all over Latin America.



Cameroon

The Embassy of Israel in Cameroon together with the Shalom Club and members of the local "Generation Change" organization organized a day full of activities for over 120 children from 3 orphanages in the Yaoundé area, including arts and crafts, sporting games, gifts and fun snacks. A local startup company set up an electronic games corner, and the Embassy staff surprised the children with a wide selection of inflatable trampolines. The special day included also medical checkups, vaccinations and health information corners, provided by the Cameroonian Nurses Association (IUIA).



MASHAV's Official Website focuses on international development cooperation issues in general and the ongoing activities of MASHAV in particular, providing access to all MASHAV publications.

The website at: <http://mashav.mfa.gov.il> is part of the overall Internet framework of Israel's Ministry of Foreign Affairs.

Follow MASHAV on

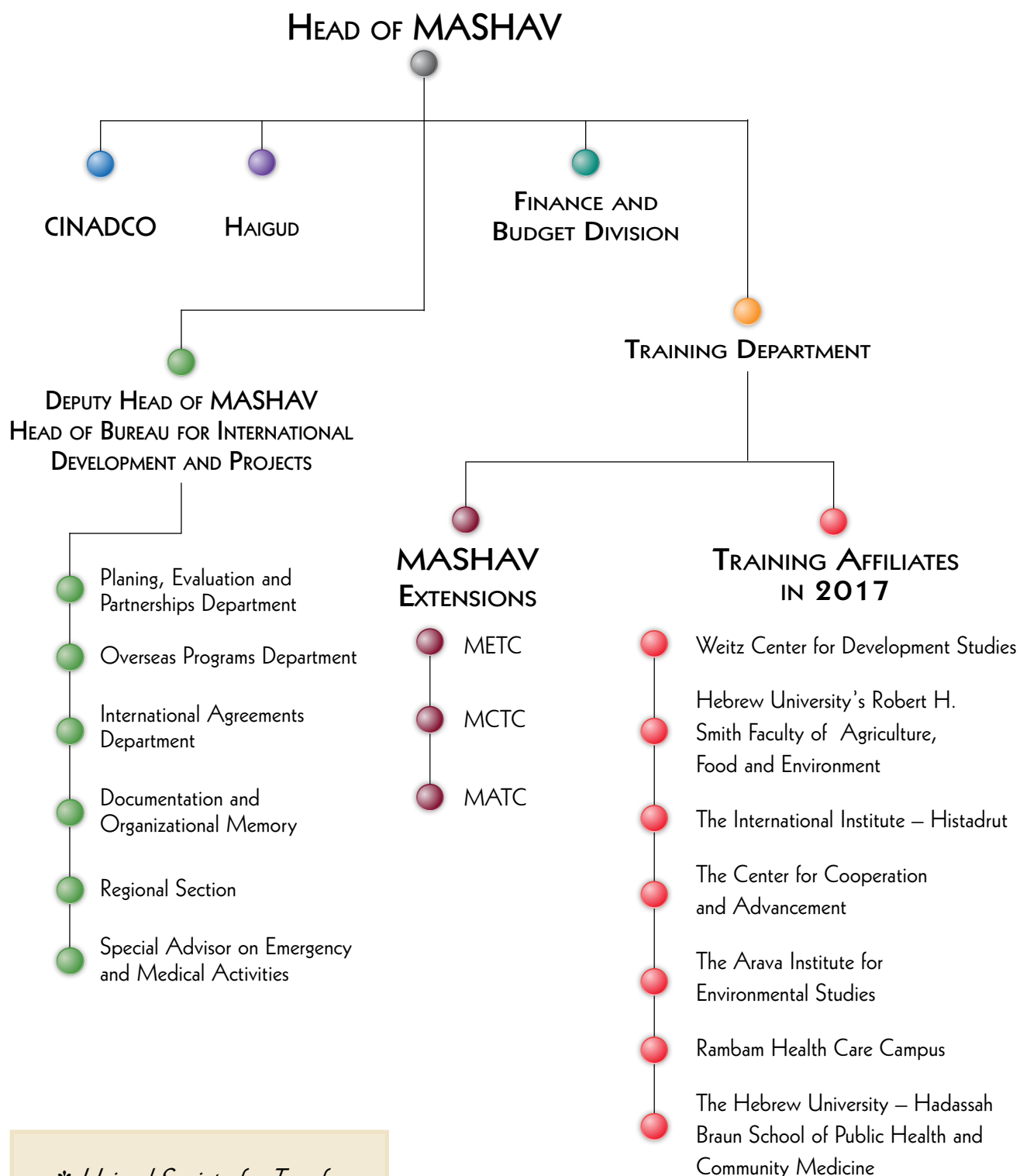


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ORGANIZATIONAL CHART



* *Haigud Society for Transfer of Technology*

Haigud is a governmental company which serves as the financial and administrative arm of MASHAV, and functions as a professional unit to assist in the implementation of MASHAV activities. Haigud acts as liaison with government agencies and voluntary organizations.



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