

MASHAV



ANNUAL REPORT 2016



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

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.

Spotlight on 2016

In 2016 MASHAV's activities included a wide spectrum of international partnerships and programs for development. A total of 1,979 professionals from 109 countries participated in 83 activities offered in Israel, while 2,617 took part in 59 on-the-spot courses (in host countries) offered in a total of 29 countries. MASHAV experts were dispatched throughout the world on 98 short-term consultancies and humanitarian medical missions to 41 countries, and 6 long-term experts served in MASHAV's demonstration projects around the world. In 2016, 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 2016.

ENTREPRENEURSHIP FOR DEVELOPMENT

Israel's initiated resolution on Entrepreneurship for Development at the UN's 71st Session of the General Assembly- Second Committee was co-sponsored by 112 countries in November. Affirming that entrepreneurship is a critical development tool in the promotion of sustainable development, the resolution builds

upon previous Israeli-sponsored resolutions on global entrepreneurship (67/202 and 69/210) and highlights key ways in which Member States and the UN System can help remove the barriers facing entrepreneurs and unleash the talent that is innate in all societies.

INTERNATIONAL HIGH LEVEL CONFERENCE ON EDUCATION

The Conference on "Achieving the Education 2030 Agenda with Quality Educators" was held in February by MASHAV's Ofri Educational Training Center METC in collaboration with Israel's Ministry of Education and Teachers for Education 2030. The conference

focused on educational innovation and professional development and counted with the participation of Ministers of Education and high-level officials from more than 30 countries.

FIRST MASHAV - ECOWAS AGRICULTURAL MINISTERIAL CONFERENCE



The ministerial meeting held in December in Israel was the first of its kind. The ministers of agriculture of Cape Verde, Liberia, Senegal, Sierra Leone and Togo, together with high-level government officials from ECOWAS countries took part in the Conference entitled "Enhancing Sustainable Agricultural Productivity in Arid and Semiarid Regions: The Israeli Development Experience." By bringing together ministers of agriculture and high level government officials, representatives of the ECOWAS member states

and Israeli counterparts the Conference presented an opportunity to create and strengthen partnerships and cooperation for enabling the implementation of national development action plans. As part of the Conference, a Joint Declaration of Intent was signed in Jerusalem between MASHAV and ECOWAS to promote bilateral agricultural cooperation in accordance with the UN 2030 Agenda for Sustainable Development.

FIRST ISRAEL-KENYA STEERING COMMITTEE ON WATER COOPERATION



MASHAV and representatives from Israel Ministry of Foreign Affairs hosted the first Israel-Kenya Steering Committee on Water Cooperation in July. A high-level Kenyan delegation comprised of senior government officials and experts in the field of water and irrigation, met in Jerusalem with MASHAV-MFA officials and Israeli

specialists in the field of water resources management, to discuss the establishment of a training and demonstration center in the field of water and irrigation in the Nairobi area as well as the expansion of capacity building and training activities in the field.

THE 3RD INTERNATIONAL SEMINAR FOR JUDGES

The prestigious International Seminar for Judges on “The Critical Role of the Judiciary in Combating Human Trafficking” opened in Haifa in November with the participation of 36 judges, Supreme Court justices and professionals from the judiciary system representing 22 different countries. The seminar was organized by MASHAV and the Golda Meir MASHAV “Carmel” International Training Center in cooperation with OSCE, UNODC, IOM, the Anti-Trafficking Unit at Israel’s Ministry of Justice and the Israeli Institute of Advanced Judicial Studies.



ISRAEL PRIME MINISTER VISIT TO AFRICA

Prime Minister Benjamin Netanyahu set as a goal improving and strengthening relations with African countries. In July he visited Uganda, Kenya, Rwanda and Ethiopia. MASHAV has placed Africa at the top of its development cooperation agenda, and is committed to work closely with, and respond to, the emerging needs

of our African partners. In Uganda the Prime Minister and the President of Uganda Yoweri Museveni unveiled the sign of the first of its kind Emergency Trauma Unit, which is being upgraded and refurbished by MASHAV at Kampala’s Mulago Hospital.

PRESIDENT REUVEN RIVLIN VISIT TO INDIA

President Rivlin, accompanied by the first lady, arrived on a state visit to India in November. During his visit President Reuven Rivlin, accompanied by Haryana's Minister of Agriculture and Israel's Ambassador to India visited the Indo-Israel Center of Excellence in

Gharaunda, Karnal. President Rivlin witnessed the fruitful cooperation between the two countries, and highlighted the contribution of Israel, through MASHAV, for global wellbeing.

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 2016:

ISRAEL-GERMANY AFRICA INITIATIVE

A Joint Declaration of Intent was signed between MASHAV and Germany's Federal Ministry for Economic Cooperation and Development-BMZ in February during the 6th intergovernmental consultations between the Governments Germany and Israel held in Berlin. The Africa Initiative outlines the ongoing development cooperation in six African partner countries and provides guiding principles for the partnership.

MASHAV - THE NETHERLANDS

A cooperation agreement was signed in March in the field of development of small scale irrigation and horticulture in Ethiopia. The aim of the 3-year agreement is to build synergy for supporting the government of Ethiopia in their endeavors to enhance agricultural growth and commercialization.

MASHAV-BMZ

Within the framework of intergovernmental consultations held between the Governments of the Federal Republic of Germany and the State of Israel, a Joint Declaration of Intent was signed between MASHAV and the Ministry for Economic Development and Cooperation (BMZ) in March on the Joint Africa Initiative which outlines the ongoing development cooperation in six African partner countries and provides guiding principles for the partnership. The Governments expressed satisfaction with the outcomes and successes of the joint projects so far.

ISRAEL-SINGAPORE

A Memorandum of Understanding (MOU) between Israel and Singapore was signed in April establishing cooperation to provide training in various spheres of economic development, innovation, health and sustainable development, to professionals from devel-

oping countries around the world. The training courses will take place in Singapore, Israel and in third countries. The implementing parties are MASHAV and the Technical Cooperation Directorate (TCD) of Singapore's Ministry of Foreign Affairs.

MASHAV-CzDA

A Declaration of Intent on trilateral international development cooperation was signed in May between MASHAV and the Czech Development Agency within the framework of the 4th Intergovernmental Consultations. MASHAV and CzDA will carry out joint trilateral projects with partner countries in accordance with the goals and principles outlined in the 2030 Sustainable Development Agenda.

ISRAEL-ETHIOPIA

The first Israel-Ethiopia Political Consultation Forum was held in May in Addis Ababa. Within this framework, MASHAV conducted a bilateral development cooperation dialogue with representatives from 8 Ethiopian ministries dealing with development issues.

ISRAEL-ITALY

A MOU for development cooperation was signed in Rome between MASHAV and Italy's Development Cooperation. The countries will cooperate through trilateral development initiatives including implementation of joint trilateral projects in Ethiopia, Kenya, Burkina Faso and Senegal.

ISRAEL-PARAGUAY

A Declaration of Intent was signed in July to promote cooperation between Paraguay and Israel in various sectors including agriculture, water management, environmental issues, education and public health.

MASHAV-MEKONG INSTITUTE



A MOU for regional cooperation with the Greater Mekong sub region countries was signed in Bangkok in July. Development cooperation includes capacity building programs to be conducted both in Thailand and in Israel in the areas of agriculture, entrepreneurship and innovation.

MASHAV-UNWOMEN

A framework agreement of cooperation was signed in New York in November between the UN Entity of Gender Equality and the Empowerment of Women and the Government of Israel to provide a framework of

cooperation and facilitate collaboration in the areas of gender equality and women empowerment.

MASHAV-IBRD-IDA

A MOU was signed in November between MASHAV and the International Bank for Reconstruction and Development (IBRD) and the International Development Association (IDA) of the World Bank Group, for cooperation in the areas of food security, agriculture and climate change.

MASHAV-UNFPA

MASHAV and the UN Population Fund signed a MOU in November to partner and work together to achieve sustainable development and economic growth, especially in the areas of community development, women and youth empowerment and maternal health.

MASHAV-ECOWAS

A Joint Declaration of Intent signed in Jerusalem between MASHAV and the Economic Community of West African States to promote bilateral cooperation including the sharing of knowledge and experience, through capacity building and technical assistance in the areas of transfer of technology for agricultural intensification, water and land management, and development of public-private partnerships.

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 2016.

MASHAV-USAID-ETHIOPIA



The parties launched in June the IV Phase of the Joint Cooperation Program in Smallholder Horticulture,

marking a decade of successful agricultural development partnership between Israel, the United States, and Ethiopia. Since 2005 the joint project has provided technical assistance to regional horticultural nurseries and capacity building for extension agents and smallholder farmers.

ISRAEL-CANADA-GHANA

Within the framework of the trilateral cooperation between MASHAV and Canada's International Development Agency and Ghana's local authorities, three demonstration plots were established in the country's northern region for growing soybeans during the dry season. Irrigation kits were purchased in Israel and installed in Ghana to demonstrate modern irrigation and fertilization technology.

MASHAV-WHO-JICA



MASHAV's Director of Policy Planning and International Relations led an Israeli delegation on Emergency Preparedness to Tokyo in May. The working group, comprised of MASHAV, World Health Organization (WHO) and Japan's International Cooperation Agency (JICA) experts, met to establish a Minimum Data Set (MDS) for emergency field hospitals. A second meeting took place in Jerusalem in September and recommendations were presented to a WHO strategic group.

MASHAV-IFAD-CAMEROON

A professional fact-finding mission was conducted in Cameroon to commence the implementation of the joint project on "Promotion of Youth Agro-pastoral Entrepreneurship." This initiative is part of the cooperation agreement signed by MASHAV and the International Fund for Agricultural Development (IFAD) in cooperation with Cameroon's Youth Agro-pastoral Entrepreneurship Promotion Program (PEA-JEUNES). The goal of the joint project is to give young men and women the means to increase their income and improve food security through profitable initiatives, integrated in promising agro-pastoral sectors with sustainable employment opportunities in rural areas.

ISRAEL-ITALY-BURKINA FASO

Israeli experts conducted a fact finding and assessment mission in Burkina Faso within the framework of the trilateral cooperation between the parties. Cooperation includes implementation of human capacity building activities with a focus on women and youth in the areas of agriculture, water and irrigation and women entrepreneurship. The implementing parties are MASHAV, Italy's Development Cooperation and Burkina Faso's Ministry of Agriculture.

MASHAV-WFP-ARMENIA

Israeli experts conducted a short-term mission to Armenia in July to examine the establishment of school-gardens within the framework of cooperation between MASHAV and the UN World Food Program (WFP). The project aims to introduce simple and practical agricultural technologies into the rural communities by way of school-gardens, to enrich the children's food basket by generating a greater variety of vegetables, creating a strong link between nutrition, education and agriculture.

MASHAV-TICA REGIONAL COOPERATION

Following the agreement signed between MASHAV and Thailand's International Development Cooperation Agency (TICA), a regional seminar on "Construction Guidelines for Standards and Competency Framework of Early Childhood Education" was held in August in Bangkok for participants from Cambodia, Laos, the Philippines, Thailand and Vietnam.

JOINT MASHAV-SLOVAK AID EXHIBITION

An inspiring photo exhibition presenting MASHAV's and Slovak Aid development activities in Africa was inaugurated at Israel's Ministry of Foreign Affairs in September by Deputy FM Tzipi Hotovely and Mr. Frantisek Sebej, Member of the National Council of the Slovak Republic and Chairman of the Foreign Affairs Committee. The exhibition took place on the occasion of Slovakia assuming the Presidency of the Council of the EU, and to mark the fruitful cooperation existing between the two agencies.

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 2016.

MASHAV-RWANDA

Rwanda's Minister of Foreign Affairs, Dr. Louise Mushikiwabo, arrived in Israel for a two-day official visit with the aim of enhancing bilateral partnership between the two countries in the sectors of Agriculture, Energy, Education and ICT.

MASHAV-KENYA

A development dialogue was conducted in Jerusalem with a high-level Kenyan delegation which included representatives from the Ministries of Foreign Affairs and International Trade; Water and Irrigation; Agriculture, Livestock and Fisheries; Health; Interior; and Education. The parties discussed ongoing development cooperation and activities in the fields of agriculture, water, education, gender, humanitarian assistance, and cooperation with the Israeli civil society.

ISRAEL-KOREA

The countries held the first ever consultation on development cooperation policy. Head of MASHAV, Ambassador Gil Haskel, and Korea's Foreign Ministry Director-General for Development Cooperation, Lee Yong-soo, met in Seoul and shared their countries' experience and comparative advantage in building national infrastructure and achieving economic growth over a short period of time. They agreed to further explore ways of working together to assist developing countries develop their human resource in the fields of agriculture, education and healthcare.

MASHAV-MEXICO

The first development dialogue between MASHAV and the Mexican Agency for International Development Cooperation (AMEXCID) was held in Mexico City. The parties explored options for trilateral cooperation with Central America and Caribbean countries.

ISRAEL-ETHIOPIA

During the first political consultation between Israel and Ethiopia, held in Addis Ababa, both governments expressed their strong desire to strengthen their bilateral relations and enhance wide-range cooperation between the two countries. During the consultations, MASHAV conducted a bilateral development cooperation dialogue with representatives from 8 Ethiopian ministries dealing with development issues.

MASHAV-HUNGARY

A Development Dialogue was held between Israel with Hungary's International Development and Humanitarian Aid Agency. The parties reviewed their recent cooperation activities including a joint course on Emergency Preparedness and Disaster Risk Management which took place in Budapest for high-level officials from Euro-Asia and Balkan countries; and the joint International Course on Intensive Vegetable Production with Efficient Water Management held in Israel.

MASHAV-Togo

Head of MASHAV met President of Togo Faure Essozimna Gnassingbé during the President's official visit to Israel to discuss expanding Israel-Togo cooperation in different areas of sustainable development. MASHAV will send fact-finding and assessment missions to Togo to map out best areas of cooperation.

MASHAV-PANAMA



The Head of MASHAV met with Panama's Minister of Agriculture Eduardo Ernesto Carles during his official visit to Israel and discussed the upcoming establishment of a Center of Excellence in Agriculture in Panama. The center will be the first of its kind to be established in Latin America and is a joint venture of MASHAV in cooperation with Panama's Ministry of Agriculture (MIDA) and the local Institute of Agriculture Research (IDIAP). The center will serve as a focal site for demonstrating modern Israeli agro-technologies for the benefit of small, medium and large scale farmers, and will follow the successful model being implemented by MASHAV in India and China.

ISRAEL-CANADA

The annual Israel-Canada development dialogue was held in Ottawa, within the framework of cooperation between the two countries to discuss ongoing cooperation and future joint development activities.

MASHAV-POLAND

MASHAV and Poland's Department of Development Cooperation-DDC, conducted a development dialogue to explore possible trilateral cooperation in the areas of agriculture and public health.

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. Trainings focus on techniques related to vegetables, mangoes, beekeeping, and stone fruit. The program's MOU was signed in May and includes on-site and regional training programs, meetings between experts, joint applied research, publication of guidelines and participation in international conferences. The program is governed by a steering committee that meets regularly. The first meeting took place in Jordan in November. Since then, several 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 2016, a "Regional Workshop on Management of Health Systems" for health system professionals from the Palestinian Authority was conducted in Israel, in 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. A joint program has been established for 2017.

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. In 2016, four training activities took place in Israel in the agricultural cooperation framework. Fifteen Jordanians participated in these activities. An additional short term consultancy on sub-tropical fruit took place in Jordan. The program was renewed for the 2016-2019 period. In all MASHAV's programming in the region saw participation from 46 Palestinians, 51 Jordanians and 1 participant from Morocco.

CONFERENCES and SYMPOSIUM

International conferences and forums provide exceptional opportunities to exchange information with international development professionals from around the world. Following is a short chronological overview of some of the International Conferences in which MASHAV participated in 2016.

WORLD HUMANITARIAN SUMMIT - ISTANBUL



The first World Humanitarian Summit opened in May under the auspices of the UN Secretary General. The summit gathered high-level policy makers to raise awareness, contribution and commitment on behalf of humanitarian activities in times of natural disasters and conflicts. The Head of MASHAV chaired side event on “Preparing Civilians for Disaster Day 1” hosted in cooperation with Israel’s National Emergency Management Authority, Magen David Adom and Zaka - Israel’s primary rescue and recovery volunteer organization.

DIGITAL BRIDGES FOR DEVELOPMENT SYMPOSIUM - HAIFA

President of Liberia Ellen Johnson Sirleaf was the guest of honor at MASHAV’s Symposium held in June at the Golda Meir MASHAV “Carmel” International Training Center. President Sirleaf participated in a panel featuring young Israeli entrepreneurs who developed new technologies and products to promote solutions for health and food security challenges in developing countries.

THE 46TH GENERAL ASSEMBLY OF THE ORGANIZATION OF AMERICAN STATES - SANTO DOMINGO

The Head of MASHAV led for the first time an official Israeli delegation to the OAS General Assembly in June. During the summit Ambassador Haskel accompanied by MASHAV’s Director of Training Division conducted over 13 bilateral meetings with the Foreign Ministers and high level officials from, among others, Belize, Colombia, Dominica, the Dominican Republic, El Salvador, Haiti,



Honduras, Panama, Paraguay and Peru. Issues discussed included existing development cooperation and possible ways of expanding activities in the continent.

ISRAEL AND YABT: 15 YEARS OF COOPERATION - SANTO DOMINGO

The Head of MASHAV and the Director of MASHAV’s Training Division together with the Young Americas Business Trust Executive President, participated a joint side event entitled “Israel and YABT: 15 Years of Cooperation for the Economic Development of the Hemisphere’s Young People” held within the framework of the OAS 46th General Assembly. The successful ongoing YABT-MASHAV “business labs” entrepreneurship capacity building program has trained so far over 23,000 young people in Latin America.

INTERNATIONAL SEMINAR FOR URBAN INNOVATION - TEL AVIV



A delegation of mayors, deputy mayors, municipal director generals, and senior-level municipal and urban planning

professionals arrived in Israel in October to participate the joint initiative of MASHAV and the Tel Aviv-Yafo Municipality, intended to share best practices in dealing with urban challenges by using relevant, efficient and innovative technologies and development mechanisms.

HABITAT III CONFERENCE - QUITO

MASHAV in cooperation with YABT and UN-HABITAT conducted a professional side event on “Israeli Urban-Innovation Platforms” during Habitat III conference in October. The distinguished panelists shared Israeli holistic models for developing entrepreneurship among the younger generation and how this can assist in generating urban growth and vitality.

MASHAV was also represented in a number of international forums dealing with development issues. Among them:

OECD-DAC

The Head of MASHAV participated at the OECD Development Assistance Committee (DAC) High Level Meeting in February in Paris. The forum agreed on a number of outstanding issues, including the measurement in official development assistance of peace and security expenditures and the donor effort involved in using private sector instruments. Participants discussed the role of development cooperation in the refugee crisis and, more broadly, in the 2030 Agenda.

OECD-DCD

MASHAV’s Director of Planning, Information and Evaluation Department participated in a meeting of the Development Cooperation Directorate (DCD) in February, on the SDGs and Development Results.

CSW60

MCTC Director attended the 60th session of the Commission on the Status of Women (CSW) that took place at the UN Headquarters in New York in March with representatives of Member States, UN entities, and ECOSOC-accredited non-governmental organizations from all regions of the world. The focus of the 60th session was on Women’s Empowerment and Sustainable Development.

OECD-GENDERNET

The Director of MCTC represented MASHAV at the 14th Annual Meeting of the OECD-DAC Network on Gender Equality in October. GENDERNET is the international forum where experts from development cooperation agencies meet to define common approaches in support of gender equality and women’s rights. It brings together gender equality advisors from DAC member agencies as well as observers (UN Women, the World Bank, regional development banks).

UFM HIGH LEVEL CONFERENCE

MASHAV was represented in October at “Women for the Mediterranean - Driving Force for Development and Stability” hosted by Union for the Mediterranean Third High Level Conference on Women Empowerment in Barcelona.

OECD-DevCOM

MASHAV was represented at the OECD’s Development Communications Network Annual Meeting in November, where 60 experts from 45 DevCom member and partner organizations came together to share experiences on common challenges and consider their strategies on the role of communicators in engaging citizens, global leaders and businesses on the Sustainable Development Goals.

PROFESSIONAL DELEGATIONS

UN-HABITAT

A professional delegation from the United Nations Human Settlements Program met in January in Jerusalem with the Head and directors of MASHAV to identify possible areas of cooperation. UN-HABITAT’s mandate is to promote socially and environmentally sustainable towns and cities with the goal of providing adequate shelter for all.

KATHMANDU UNIVERSITY

The distinguished delegation arrived in Israel in March to examine cooperation in the areas of agricultural engineering, emergency medicine and renewable energy. They met with the head and directors of MASHAV, as well as with representatives from several Israeli universities; leading medical institutions, and agricultural researchers and entrepreneurs.

PRESIDENT OF PARAGUAY



During his official visit to Israel, H.E. Horacio Cartes met with professionals from Paraguay taking part in two MASHAV courses on “Development of the Dairy Sector” and “Urban Projects for Civil Society”. President Cartes thanked MASHAV for its long-standing assistance to Paraguay and urged the trainees from Paraguay to utilize the knowledge they acquired in Israel for the benefit and development of their country.

GHANA’S MINISTER OF FOREIGN AFFAIRS AND REGIONAL INTEGRATION

MASHAV was honored to host the Hon. Hannah Tetteh during her official visit to Israel in March. Head of MASHAV reviewed the existing cooperation programs which MASHAV is implementing in Ghana in the fields

of Early Childhood Education (ECE), Maternal and Neonatal Health, and Agriculture, and examined additional areas of possible cooperation. During her visit, Minister Tetteh met with Ghanaian educators taking part in MASHAV’s ECE course and joined them for a professional visit to a kindergarten complex.

RAJASTHAN MINISTER OF AGRICULTURE

Minister Prabhu Lal Saini together with a delegation of 16 farmers arrived in Israel in May to strengthen agricultural cooperation with Rajasthan including sharing Israeli technologies in the areas of intensifying crops yield, dairy husbandry, water management, grafting techniques and increasing the shelf life of fruits and vegetables with the purpose of raising the income of the State’s farmers.

PRESIDENT OF GUATEMALA

The Head of MASHAV welcomed President Jimmy Morales during his state visit in August. President Morales met in Jerusalem with educators from Guatemala taking part in MASHAV course on Education in Areas of Indigenous People.

SWAZILAND PRIME MINISTER

During his official visit to Israel in December, PM Barnabas Sibusiso Dlamini accompanied by his Ministers of Foreign Affairs and of Agriculture visited MASHAV’s Educational training Center-METC where he met with participants in the course on New Pedagogies for Higher Education Educators and discussed expanding cooperation.

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 2016.

CAMBODIA

Two Israeli ophthalmologists conducted a sight restoring mission jointly organized by MASHAV, the Embassy Israel in Thailand and Cambodia’s Ministry of Health. The Israeli doctors, joined the local medical teams at Ang Duong Hospital in Phnom Penh and performed dozens of surgical procedures focusing on cataracts. All the necessary surgical equipment was purchased by MASHAV and sent to Cambodia ahead of time.



CAMEROON



The Israeli Embassy in Cameroon in partnership with the local Ministry of Health, UNHCR, WHO, and the Cameroon Pediatricians Association (CPA) organized the third "Operation Soleil-Israel." During the mission, carried out to support Cameroon's National Vaccination Campaign, over 4,000 polio vaccines and over 500 pediatric consultations were given to the local and refugee populations of Garoua Boulai and Gado-Badzere. In July, urgent assistance was provided to help fight the spread of the bird-flu epidemic affecting the country.

was the first to arrive with the goal of establishing a mobile clinic in Canoa, in the Province of Manabí, one of the most affected areas. The clinic provided medical care to the surrounding villages and the doctors also extended help to isolated individuals who could not reach the clinic. The Israeli Consulate General in Guayaquil donated mattresses, food baskets, and large bottles of water to provide for more than 5,000 displaced people living in temporary shelters.

HAITI

The State of Israel's humanitarian work during the 2010 Haiti earthquake was recognized at the New York State Assembly with the occasion of the celebration of the Haitian Independence Day. It was stated that Israel was the first nation to respond to the devastating earthquake.

SIERRA LEONE



An Israeli medical mission to Sierra Leone established the country's first fully operational 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. MASHAV's medical expert coordinated the mission.

KENYA

Two volunteer medical delegations from Eye from Zion conducted humanitarian missions to Kenya. The Israeli teams performed over 1,000 sight restoring surgery in Chuka and Miramani, near Mount Kenya, and trained the local medical staff. While in Kenya they held a National Conference on Cataracts and Glaucoma, organized under the auspices of the Israeli Embassy in Kenya.

FIJI

The devastating tropical cyclone Winston inflicted extensive damage on many islands afflicting over 40% of Fiji's population. Following a request made by the Israeli Embassy in Australia, MASHAV granted the necessary funds

Togo



An Israeli surgical team conducted a sight restoring mission to Togo performing over 100 surgical procedures focusing on cataracts in Anié, some 200 km from Lomé.

ECUADOR

Following the devastating earthquake which hit Ecuador, the State of Israel dispatched much needed medical aid and supplies to assist the local population. A group of 8 Israeli doctors from IsraAid specializing in natural disasters



to commence a project to rebuild the remote village of Vuma on the island of Ovalau, carried out in conjunction with IsraAID and volunteers from Island Breeze Rugby Plus. A moving ceremony in August celebrated the completion of the project.

MYANMAR

A sight restoring mission was held by Eye from Zion in Yangon under the auspices of the Israeli Embassy in Myanmar. The Israeli ophthalmologists and medical team conducted over 300 surgical procedures in two local hospitals, and trained the local staffs. During their stay, the Israeli doctors held a Professional Ophthalmology Symposium on Glaucoma at the premises of Myanmar's Medical Association.

PAPUA NEW GUINEA

An Israeli mobile desalination unit which will provide clean drinking water in remote rural locations was donated to Papua New Guinea which is suffering from severe drought aggravated by El Niño tropical phenomenon. Developed in Israel by G.A.L. Water Technologies Ltd, the "Galmobile" is a self-contained independent and automatic unit which can connect to any water source (rivers, lakes, oceans, brackish water, wells, highly turbidity water) and produce drinking water that meets WHO standards.

URUGUAY



Devastating floods caused by the powerful El Niño weather phenomenon hit several South American countries. The Israeli Embassy in Uruguay, where more than 13,000 people were displaced by the disaster, organized the delivery of much needed humanitarian-relief supplies to the Salto coastline region, for thousands of families staying at temporary shelters.

SRI LANKA

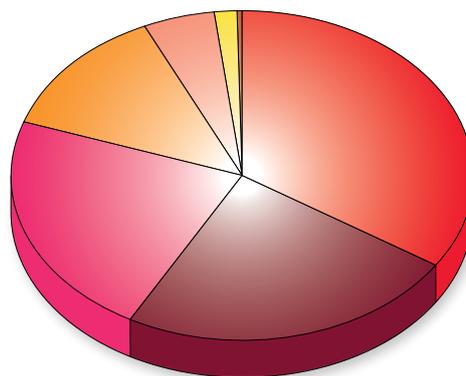
Israel provided immediate assistance to people in areas which were significantly affected by severe floods. Relief supplies included water pumps and filters, solar lighting kits and LED torches, and over 50,000 tablets for water purification.

PARTICIPANTS IN ISRAEL: 1,979

In 83 Courses and Individual Training from 109 countries

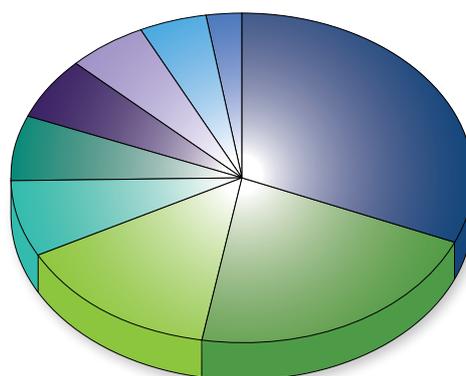
According to Region

■ Africa	(37 countries)	681
■ Asia and Oceania	(14 countries)	253
■ Central Europe & Eurasia	(18 countries)	439
■ Latin America & the Caribbean	(23 countries)	473
■ Mediterranean Basin	(2 countries)	4
■ Middle East & North Africa	(2 countries)	98
■ International Partners	(13 countries)	31



According to Subject

■ Agriculture	622
■ Community Development	289
■ Education	424
■ Environment Issues	120
■ Gender Issues	111
■ Medicine and Public Health	92
■ Rural and Urban Development	145
■ Science and Technology	46
■ Small and Medium Enterprises	130

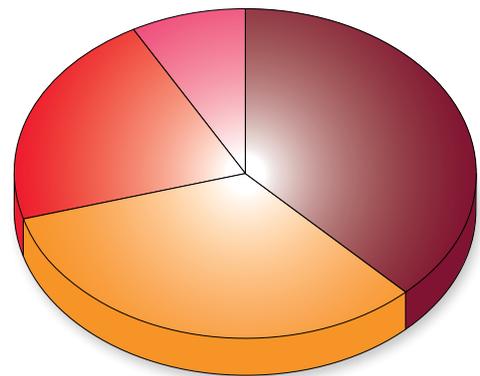


PARTICIPANTS IN COURSES ABROAD ("ON-THE-SPOT"): 2,617

In 59 courses in 29 countries

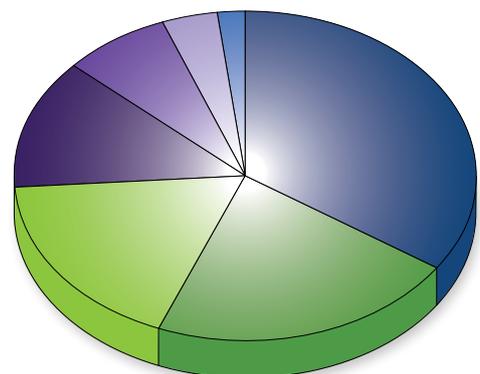
According to Region

■ Africa	(8 countries)	560
■ Asia & Oceania	(4 countries)	863
■ Central Europe & Eurasia	(4 countries)	205
■ Latin America & the Caribbean	(13 countries)	989



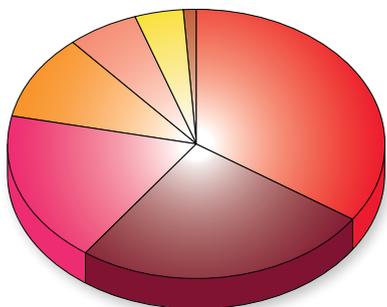
According to Subject

■ Agriculture	906
■ Community Development	97
■ Education	463
■ Medicine and Public Health	334
■ Regional Planning	200
■ Rural and Urban Development	50
■ Small and Medium Enterprises	567



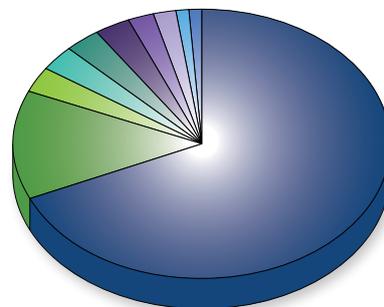
SHORT-TERM CONSULTANCIES ABROAD: 98

In 41 countries



According to Region

■ Africa	(14 countries)	34
■ Asia & Oceania	(8 countries)	25
■ Central Europe & Eurasia	(4 countries)	18
■ Latin America & the Caribbean	(6 countries)	10
■ Mediterranean Basin	(1 country)	1
■ Middle East and North Africa	(1 country)	4
■ International Partners	(6 countries)	6

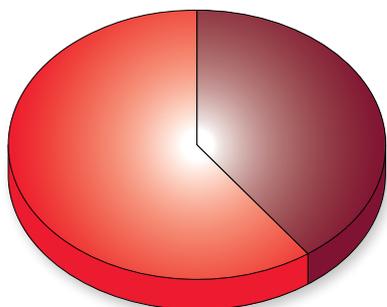


According to Subject

■ Agriculture	67
■ Community Development	3
■ Education	3
■ Environment Issues	1
■ Gender Issues	3
■ Medicine and Public Health	13
■ Regional Planning	2
■ Rural and Urban Development	2
■ Science and Technology	1
■ Small and Medium Enterprises	3

LONG TERM CONSULTANCIES ABROAD: 5

In 5 countries



According to Region

■ Africa	(2 countries)	2
■ Asia Oceania	(3 countries)	3

According to Subject

■ Agriculture	5
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AFRICA



Angola

PARTICIPANTS IN ISRAEL	14
Agriculture	1
Education	2
Community Development	5
Rural and Urban Development	3
Gender Issues	1
Environment Issues	2



Benin

PARTICIPANTS IN ISRAEL	4
Agriculture	1
Community Development	3



Botswana

PARTICIPANTS IN ISRAEL	29
Agriculture	5
Education	7
Community Development	2
Rural and Urban Development	5
Gender Issues	3
Environment Issues	7



Burkina Faso

PARTICIPANTS IN ISRAEL	33
Agriculture	28
Community Development	5
SHORT-TERM CONSULTANCIES	2
Agriculture	1
Small and Medium Enterprises	1



Burundi

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



Cameroon

PARTICIPANTS IN ISRAEL	19
Agriculture	10
Education	1
Community Development	5
Gender Issues	3

ON-THE-SPOT COURSES	2
Agriculture	2
TOTAL NUMBER OF PARTICIPANTS	47

SHORT-TERM CONSULTANCIES	5
Agriculture	5

Cameroon

MASHAV-AFD Cooperation
The joint project of cooperation 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 water management, irrigation with a focus on drip irrigation techniques, and compost production and hydraulics.

MASHAV-IFAD Cooperation
A professional fact-finding mission was conducted in Cameroon to commence the implementation of the joint project on "Promotion of Youth Agro-pastoral Entrepreneurship." This initiative is part of the cooperation agreement signed by MASHAV and IFAD – the International Fund for Agricultural Development, in cooperation with Cameroon's Youth Agro-pastoral Entrepreneurship Promotion Program (PEA-JEUNES). The goal of the joint project is to give young men and women the means to increase their income and improve food security through profitable initiatives, integrated in promising agro-pastoral sectors with sustainable employment opportunities in rural areas.

Fighting Bird-Flu Epidemic

The State of Israel through MASHAV provided urgent assistance to Cameroon to help fight the spread of the bird-flu epidemic affecting the country. The Israeli Embassy in Cameroon initiated and organized the arrival of emergency protective equipment in coordination with FAO and Cameroon's Ministry of Livestock, Fisheries and Animal Industries.

Operation Soleil – Israel

The Israeli Embassy in Cameroon in partnership with the local Ministry of Health, UNHCR, WHO, and the Cameroon Pediatricians Association (CPA) organized the third "Operation Soleil – Israel." During the mission, carried out to support Cameroon's National Vaccination Campaign, over 4,000 polio vaccines and over 500 pediatric consultations were given to the local and refugee populations of Garoua Boulai and Gado-Badzere. In July, urgent assistance was provided to help fight the spread of the bird-flu epidemic affecting the country.



Cape Verde

PARTICIPANTS IN ISRAEL	2
Agriculture	2



Chad

PARTICIPANTS IN ISRAEL	3
Agriculture	2
Community Development	1



Cote d'Ivoire

PARTICIPANTS IN ISRAEL	20
Agriculture	5
Education	5
Community Development	9
Gender Issues	1

to be an appropriate approach to reduce neonatal mortality and reduce unnecessary, or sometimes impossible, transfers to other medical facilities.

Early Childhood Education (ECD)

A workshop on Sustainable Educational Leadership for leading kindergarten teachers was conducted in Ghana. This project involves cooperation between MASHAV, its training extension, the Golda Meir Mount Carmel International Training Center (MCTC) and the Millennium Cities Initiative (MCI). Its objectives are to introduce change in ECD in Ghana, through training local professionals in the teacher training college, coordinators and kindergarten teachers. The Israeli team is also working to establish a new role in the college in the shape of 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 team has built an integrative learning program based on the local curriculum and has written a training program for the leading teachers, in order to help them train new groups of teachers and establish demonstration kindergartens. 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. MCTC/MASHAV experts have expanded the project to another 2 cities: Accra, the capital and Tamale in the north.

Israel-Canada-Ghana Trilateral Cooperation

Three demonstration plots were established in Ghana's northern region for growing soybeans during the dry season are beginning to show the first sprouts. Israeli agricultural experts train the local farmers. 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 technology.



Guinea

PARTICIPANTS IN ISRAEL	1
Agriculture	1
SHORT-TERM CONSULTANCIES	1
Regional Planning	1



Kenya

PARTICIPANTS IN ISRAEL	190
Agriculture	76
Medicine and Public Health	1
Education	37
Community Development	14
Rural and Urban Development	34
Gender Issues	11
Science and Technology	2
Small and Medium Enterprises	4
Environment Issues	11
ON-THE-SPOT COURSES	5
Agriculture	3
Community Development	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	113
SHORT-TERM CONSULTANCIES	4
Agriculture	3
Education	1

Kenya

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 signed in 2013 a MOU to implement a plan to establish a joint project directed towards the promotion and implementation of Education for Sustainable Development (ESD), become an integral element in 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.

First Israel-Kenya Steering Committee on Water Cooperation

A high-level Kenyan delegation comprised of senior government officials and experts in the field of water and irrigation arrived in Israel to discuss cooperation between the two countries in water related fields in August in accordance with the Israel-Kenya agreement on water cooperation signed in 2009 and the Jerusalem Declaration on water and irrigation collaboration signed between the two states in February 2016. Representatives from MASHAV and MFA and Israeli specialists in the field of water resources management joined the Kenyan delegation to discuss the establishment of a training and demonstration center in the field of water and irrigation in the Nairobi area as well as the expansion of capacity building and training activities in the field.

Sight Restoring Missions

Two volunteer medical delegations from Eye from Zion conducted humanitarian missions to Kenya. The Israeli teams performed over 1,000 sight restoring surgery in Chuka and Miramani, near Mount Kenya, and trained the local medical staff. While in Kenya the held a National Conference on Cataracts and Glaucoma, organized under the auspices of the Israeli Embassy in Kenya.

AFRICA



Senegal

PARTICIPANTS IN ISRAEL	15
Agriculture	13
Community Development	2

ON-THE-SPOT COURSES	1
Agriculture	1
TOTAL NUMBER OF PARTICIPANTS	27

SHORT-TERM CONSULTANCIES	6
Agriculture	6

LONG-TERM CONSULTANCIES	1
Agriculture	1

Senegal

Trilateral Cooperation Israel-Senegal-Italy

A trilateral cooperation project based on the concept of the African Market Garden and focusing on poverty reduction and crop productivity was established in four different sites in Senegal. The project involves a small-scale horticultural production package developed by Israeli experts, based on low-pressure drip-irrigation, a mix of annual and tree crops, and an "operating system" which leads the farmer to irrigate according to scientific principles. The benefits of using the AMG system include higher yields of improved quality vegetables and fruits, the ability to produce crops year round, the most efficient utilization of water resources, decreased labor requirements for irrigation and weeding, and greater likelihood of maintaining the productive capacity of the soil. Drip irrigation facilitates year round production of vegetables and fruits.



Sierra Leone

PARTICIPANTS IN ISRAEL	3
Agriculture	2
Gender issues	1

SHORT-TERM CONSULTANCIES	1
Medicine and Public Health	1

Sierra Leone

Establishing Dialysis Unit

An Israeli medical mission to Sierra Leone kidney established the country's first fully operational 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. MASHAV's medical expert coordinated the mission..



South Africa

SHORT-TERM CONSULTANCIES	8
Agriculture	2
Community Development	1
Rural and Urban Development	2
Gender Issues	2
Small and Medium Enterprises	1



South Sudan

PARTICIPANTS IN ISRAEL	5
Agriculture	4
Rural and Urban Development	1

ON-THE-SPOT COURSES	2
Agriculture	1
Education	1
TOTAL NUMBER OF PARTICIPANTS	57



Swaziland

PARTICIPANTS IN ISRAEL	2
Community Development	2



Tanzania

PARTICIPANTS IN ISRAEL	12
Agriculture	2
Education	3
Community Development	1
Rural and Urban Development	3
Gender Issues	1
Small and Medium Enterprises	1
Environment Issues	1

ON-THE-SPOT COURSES	1
Medicine and Public Health	1
TOTAL NUMBER OF PARTICIPANTS	40

SHORT-TERM CONSULTANCIES	1
Medicine and Public Health	1



Togo

PARTICIPANTS IN ISRAEL	9
Agriculture	5
Education	2
Community Development	1
Rural and Urban Development	1

SHORT-TERM CONSULTANCIES	2
Medicine and Public Health	2

Togo

Sight Restoring Mission

An Israeli surgical team conducted a sight restoring mission to Togo performing over 100 surgical procedures focusing on cataracts in Anié, some 200 km from Lomé.

AFRICA



Uganda

PARTICIPANTS IN ISRAEL	26
Agriculture	8
Medicine and Public Health	1
Education	1
Community Development	3
Rural and Urban Development	5
Gender Issues	7
Small and Medium Enterprises	1

ON-THE-SPOT COURSES	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	38

SHORT-TERM CONSULTANCIES	1
Medicine and Public Health	1

Uganda

First Emergency Trauma Unit

Prime Minister of Israel Benjamin Netanyahu and President of Uganda Yoweri Museveni dedicated an emergency trauma unit to be established at Kampala's Mulagu Hospital in July. The unit will serve as an emergency and trauma center and will have the capacity to respond to new emergency situations and mass casualties' scenarios. The project includes the donation and installation of new and modern medical equipment.



Zambia

PARTICIPANTS IN ISRAEL	12
Agriculture	2
Education	7
Rural and Urban Development	2
Small and Medium Enterprises	1



Zimbabwe

PARTICIPANTS IN ISRAEL	6
Community Development	1
Gender Issues	5



Indonesia

SHORT-TERM CONSULTANCIES	1
Environment Issues	1



Laos

PARTICIPANTS ABROAD (REGIONAL)	4
Education	2
Small and Medium Enterprises	2

Laos

MASHAV-TICA Cooperation

Professionals from Cambodia took part in regional courses held within the framework of trilateral cooperation between MASHAV and Thailand's International Development Cooperation Agency in the areas of agricultural technologies, early childhood education, and entrepreneurship.



Mongolia

PARTICIPANTS IN ISRAEL	4
Community Development	4



Myanmar

PARTICIPANTS IN ISRAEL	22
Agriculture	5
Education	6
Community Development	2
Rural and Urban Development	4
Gender Issues	1
Small and Medium Enterprises	2
Environment Issues	1
ON-THE-SPOT COURSES	2
Agriculture	1
Education	1
TOTAL NUMBER OF PARTICIPANTS	65

Myanmar

Sight Restoring Mission

The mission was held by Eye from Zion in Yangon under the auspices of the Israeli Embassy in Myanmar. The Israeli ophthalmologists and medical team conducted over 300 surgical procedures in two local hospitals, and trained the local staffs. During their stay, the Israeli doctors held a Professional Ophthalmology Symposium on Glaucoma at the premises of Myanmar's Medical Association



Nepal

PARTICIPANTS IN ISRAEL	36
Agriculture	3
Medicine and Public Health	3
Education	6
Community Development	11
Rural and Urban Development	4
Gender Issues	3
Science and Technology	2
Small and Medium Enterprises	1
Environment Issues	3



Palau

SHORT-TERM CONSULTANCIES	1
Medicine and Public Health	1



Papua New Guinea

SHORT-TERM CONSULTANCIES	1
Community Development	1

Papua New Guinea

Delivery of Mobile Desalination Unit

An Israeli mobile desalination unit which will provide clean drinking water in remote rural locations was donated to Papua New Guinea which is suffering from severe drought aggravated by El

Niño tropical phenomenon. Developed in Israel by G.A.L. Water Technologies Ltd, the "Galmobile" is a self-contained independent and automatic unit which can connect to any water source (rivers, lakes, oceans, brackish water, wells, highly turbidity water) and produce drinking water that meets WHO standards.



Philippines

PARTICIPANTS IN ISRAEL	24
Agriculture	7
Medicine and Public Health	3
Education	5
Community Development	4
Rural and Urban Development	1
Gender Issues	1
Science and Technology	2
Environment Issues	1
ON-THE-SPOT COURSES	2
Agriculture	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	72



Solomon Islands

PARTICIPANTS IN ISRAEL	1
Community Development	1

SHORT-TERM CONSULTANCIES	1
Small and Medium Enterprises	1

Solomon Islands

Pilot Training Program on Small and Medium Enterprises

A pilot training program on Small and Medium Enterprises took place in December with the aim of sharing knowledge and skills to promote economic growth. Two Israeli experts, explored opportunities existing in the local business, government and private sectors, to build an overall training program entrepreneurial training for young people and community development.



Albania

PARTICIPANTS IN ISRAEL	5
Small and Medium Enterprises	1
Environment Issues	4



Armenia

PARTICIPANTS IN ISRAEL	50
Agriculture	18
Education	13
Community Development	3
Rural and Urban Development	2
Science and Technology	1
Small and Medium Enterprises	13
SHORT-TERM CONSULTANCIES	3
Agriculture	3

Armenia

MASHAV-WFP Cooperation

Israeli experts conducted a short-term mission to Armenia in July to examine the establishment of school-gardens within the framework of cooperation between MASHAV and the UN World Food Program (WFP). The project aims to introduce simple and practical agricultural technologies into the rural communities by way of school-gardens, to enrich the children's food basket by generating a greater variety of vegetables, creating a strong link between nutrition, education and agriculture. School meals programs are one of the most important activities conducted by the WFP in Armenia to ensure food security for primary school children, who represent one of the most vulnerable populations in the country.



Azerbaijan

PARTICIPANTS IN ISRAEL	11
Agriculture	3
Education	5
Community Development	1
Gender Issues	2

Azerbaijan

A Memorandum of Understanding was signed between MASHAV and Azerbaijan's National Center of Oncology in September 2013 focusing on capacity building, training, and on the exchange of best practices in the fields of oncology. The 3-year agreement follows a local request to develop and improve existing medical and health services offered by the Oncology Center, based on the accumulated Israeli knowledge and experience in the field.



Belarus

PARTICIPANTS IN ISRAEL	26
Agriculture	7
Medicine and Public Health	1
Education	12
Community Development	3
Small and Medium Enterprises	2
Environment Issues	1

ON-THE-SPOT COURSES	1
Education	1
TOTAL NUMBER OF PARTICIPANTS	34



Bosnia Herzegovina

PARTICIPANTS IN ISRAEL	3
Education	3



Bulgaria

PARTICIPANTS IN ISRAEL	1
Community Development	1



Georgia

PARTICIPANTS IN ISRAEL	66
Agriculture	23
Education	13
Community Development	10

Rural and Urban Development	3
Gender Issues	8
Science and Technology	2
Small and Medium Enterprises	2
Environment Issues	5

SHORT-TERM CONSULTANCIES	3
Agriculture	3

Georgia

MASHAV Awards Micro-Grant

A new orchard was inaugurated in Ninotsminda in July sponsored by MASHAV under the framework of MASHAV's micro-grants in cooperation with Netafim, a leading Israeli company in the field of irrigation. The grant recipient is the Vocational College "Farmers School" founded by the Georgian Patriarchy "Lazarus" Charity Fund. The head of the project, and the College's director, Ms. Lali Alpaidze, is a MASHAV graduate from 2015.



Kazakhstan

PARTICIPANTS IN ISRAEL	59
Agriculture	12
Education	16
Community Development	14
Gender Issues	2
Science and Technology	1
Small and Medium Enterprises	11
Environment Issues	3



Kyrgyzstan

PARTICIPANTS IN ISRAEL	22
Agriculture	4
Education	7
Community Development	3
Rural and Urban Development	1
Gender Issues	1
Small and Medium Enterprises	5
Environment Issues	1

SHORT-TERM CONSULTANCIES	1
Agriculture	1

CENTRAL EUROPE & EURASIA



Macedonia

PARTICIPANTS IN ISRAEL	6
Agriculture	5
Community Development	1



Moldova

PARTICIPANTS IN ISRAEL	18
Agriculture	5
Education	5
Community Development	4
Gender Issues	3
Science and Technology	1



Montenegro

PARTICIPANTS IN ISRAEL	4
Agriculture	1
Education	2
Community Development	1



Poland

PARTICIPANTS IN ISRAEL	1
Community Development	1



Romania

PARTICIPANTS IN ISRAEL	1
Community Development	1



Serbia

PARTICIPANTS IN ISRAEL	22
Agriculture	5
Medicine and Public Health	1
Education	4
Rural and Urban Development	1
Science and Technology	3
Small and Medium Enterprises	4
Environment Issues	4



Tajikistan

PARTICIPANTS IN ISRAEL	10
Education	3
Community Development	1
Small and Medium Enterprises	6

ON-THE-SPOT COURSES

Education	1
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TOTAL NUMBER OF PARTICIPANTS 40

SHORT-TERM CONSULTANCIES

Agriculture	1
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Turkmenistan

ON-THE-SPOT COURSES

Medicine and Public Health	3
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TOTAL NUMBER OF PARTICIPANTS 81

Turkmenistan

Neonatal Experts' Mission

Two leading Israeli neonatal experts conducted a course in Ashgabat in August to share knowledge and skills on essential newborn care and neonatal resuscitation. The course was jointly organized by Israel's Embassy in Turkmenistan through MASHAV in cooperation with UNICEF Turkmenistan. Neonatal and intensive care professionals from leading local institutions had the opportunity to practice the newly gained skills by using modern simulation equipment brought from Israel. Upon completion of the course, the Israeli experts donated 2 resuscitating mannequins to allow the local staff to continue training.



Ukraine

PARTICIPANTS IN ISRAEL	93
Agriculture	25
Medicine and Public Health	13
Education	16
Community Development	6
Rural and Urban Development	2
Gender Issues	8
Small and Medium Enterprises	16
Environment Issues	7

SHORT-TERM CONSULTANCIES

SHORT-TERM CONSULTANCIES	10
Agriculture	5
Medicine and Public Health	2
Education	1
Community Development	1

Ukraine

Israel and Canada Cooperation in Ukraine

An agricultural cooperation agreement was signed between the two countries in Kiev in February 2015 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 Zaporizhyya, 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 and MEDA – The Mennonite Economic Development Associates of Canada.



Uzbekistan

PARTICIPANTS IN ISRAEL	41
Agriculture	18
Medicine and Public Health	1
Education	8
Community Development	3
Rural and Urban Development	1
Small and Medium Enterprises	9
Environment Issues	1

ON-THE-SPOT COURSES

Education	1
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TOTAL NUMBER OF PARTICIPANTS 50



Argentina

PARTICIPANTS IN ISRAEL	17
Agriculture	2
Medicine and Public Health	1
Community Development	11
Rural and Urban Development	1
Small and Medium Enterprises	1
Environment Issues	1



Barbados

PARTICIPANTS IN ISRAEL	4
Agriculture	1
Science and Technology	2
Environment Issues	1

ON-THE-SPOT COURSES	1
Medicine and Public Health	1
TOTAL NUMBER OF PARTICIPANTS	30



Belize

PARTICIPANTS IN ISRAEL	7
Agriculture	3
Community Development	4



Brazil

PARTICIPANTS IN ISRAEL	5
Community Development	3
Environment Issues	2



Chile

PARTICIPANTS IN ISRAEL	5
Agriculture	5



Colombia

PARTICIPANTS IN ISRAEL	73
Agriculture	19
Education	22
Community Development	11
Rural and Urban Development	8
Gender Issues	1
Small and Medium Enterprises	5
Environment Issues	7

ON-THE-SPOT COURSES	3
Agriculture	1
Community Development	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	135

SHORT-TERM CONSULTANCIES	1
Agriculture	1

Colombia

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.



Costa Rica

PARTICIPANTS IN ISRAEL	41
Agriculture	4
Education	17
Community Development	11
Rural and Urban Development	4
Science and Technology	2
Small and Medium Enterprises	3

ON-THE-SPOT COURSES	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	18



Dominica

PARTICIPANTS IN ISRAEL	1
Small and Medium Enterprises	1

ON-THE-SPOT COURSES	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	15



Dominican Republic

PARTICIPANTS IN ISRAEL	17
Agriculture	2
Medicine and Public Health	1
Education	7
Community Development	2
Rural and Urban Development	1
Small and Medium Enterprises	2
Environment Issues	2



Ecuador

PARTICIPANTS IN ISRAEL	40
Agriculture	10
Education	13
Community Development	6
Rural and Urban Development	4
Gender Issues	1
Science and Technology	1
Small and Medium Enterprises	2
Environment Issues	3

ON-THE-SPOT COURSES	2
Agriculture	1
Medicine and Public Health	1
TOTAL NUMBER OF PARTICIPANTS	205

Ecuador

Humanitarian Assistance

Following the devastating earthquake which hit Ecuador, the State of Israel dispatched much needed medical aid and supplies to assist the local population. A group of 8 Israeli doctors from IsraAid specializing in natural disasters was the first to arrive with the goal of establishing a mobile clinic in Canoa, in the Province

LATIN AMERICA & THE CARIBBEAN

of Manabí, one of the most affected areas. The clinic provided medical care to the surrounding villages and the doctors also extended help to isolated individuals who could not reach the clinic. The Israeli Consulate General in Guayaquil donated mattresses, food baskets, and large bottles of water to provide for more than 5,000 displaced people living in temporary shelters.



El Salvador

PARTICIPANTS IN ISRAEL	24
Agriculture	3
Education	9
Community Development	9
Rural and Urban Development	1
Small and Medium Enterprises	2
ON-THE-SPOT COURSES	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	33



Guatemala

PARTICIPANTS IN ISRAEL	34
Agriculture	2
Education	21
Community Development	8
Rural and Urban Development	2
Small and Medium Enterprises	1
ON-THE-SPOT COURSES	2
Community Development	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	66



Guyana

PARTICIPANTS IN ISRAEL	2
Medicine and Public Health	1
Community Development	1
ON-THE-SPOT COURSES	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	26



Haiti

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



Honduras

PARTICIPANTS IN ISRAEL	15
Agriculture	4
Education	5
Community Development	2
Small and Medium Enterprises	4
ON-THE-SPOT COURSES	1
Agriculture	1
TOTAL NUMBER OF PARTICIPANTS	200
SHORT-TERM CONSULTANCIES	5
Agriculture	5



Mexico

PARTICIPANTS IN ISRAEL	9
Agriculture	3
Community Development	5
Small and Medium Enterprises	1
SHORT-TERM CONSULTANCIES	1
Education	1



Panama

PARTICIPANTS IN ISRAEL	40
Agriculture	3
Medicine and Public Health	1
Education	15
Community Development	10
Rural and Urban Development	2
Science and Technology	1
Small and Medium Enterprises	5
Environment Issues	3
ON-THE-SPOT COURSES	2
Agriculture	1
Small and Medium Enterprises	1
TOTAL NUMBER OF PARTICIPANTS	58

SHORT-TERM CONSULTANCIES	2
Agriculture	1
Gender Issues	1



Paraguay

PARTICIPANTS IN ISRAEL	56
Agriculture	9
Education	17
Community Development	19
Rural and Urban Development	4
Small and Medium Enterprises	4
Environment Issues	3
ON-THE-SPOT COURSES	3
Education	1
Small and Medium Enterprises	2
TOTAL NUMBER OF PARTICIPANTS	140

SHORT-TERM CONSULTANCIES	1
Agriculture	1

MEDITERRANEAN BASIN



Malta

PARTICIPANTS IN ISRAEL	1
Medicine and Public Health	1



Turkey

PARTICIPANTS IN ISRAEL	3
Education	1
Community Development	1
Science and Technology	1
SHORT-TERM CONSULTANCIES	1
Medicine and Public Health	1

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. Trainings focus on techniques related to vegetables, mangoes, bee keeping, and stone fruit. The program's Memorandum of Understanding was signed on May 13th 2016 and includes on-site and regional training programs, meetings between experts, joint applied research, publication of guidelines and participation in international conferences. The program is governed by a steering committee that meets regularly. The first meeting took place on November 1, 2016, in Jordan. Since then, several 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 2016, a "Regional Workshop on Management of Health Systems" for health system professionals from the Palestinian Authority was conducted in Israel, in 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 17 women from Jordan. The course was held in Arabic. A joint program has been established for 2017.



Jordan

PARTICIPANTS IN ISRAEL	46
Agriculture	27
Community Development	1
Gender Issues	17
Environment Issues	1
SHORT-TERM CONSULTANCIES	4
Agriculture	4

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. In 2016, four training activities took place in Israel in the agricultural cooperation framework. Fifteen Jordanians participated in these activities. An additional short term consultancy on sub-tropical fruit took place in Jordan. The program was renewed for the 2016-2019 period.



Morocco

PARTICIPANTS IN ISRAEL	1
Small and Medium Enterprises	1

Palestinian Authority

PARTICIPANTS IN ISRAEL	51
Agriculture	18
Medicine and Public Health	33

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 2016:

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 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, 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.



R&D on Integrated Pest Management at CINADCO

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 2016 professionals from some 40 countries have attended CINADCO's R&D agricultural training programs in Israel.

OVERSEAS TRAINING PROGRAM

In 2016, some 40 training activities (on the spot courses) were conducted in the following countries: China, Mongolia, Vietnam, Laos, India, Philippines, Bosnia and Herzegovina, Honduras, Colombia, Ethiopia, Cameroon, Togo, South Sudan, Kenya, Nigeria and Ghana; involving about 700 participants.

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 some 70 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 2016, 51 short-term consultancy missions were conducted in the following countries: Colombia, Honduras, Panama, Paraguay, China, Georgia, India, Macedonia, Ukraine, Jordan, Vietnam, Rwanda, Ethiopia, South Sudan, Cameroon, Ghana, Senegal, Burkina-Faso and Kenya.

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 involved 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.

Seven such demonstration training projects operated and 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 DFATD (Canada), and MEDA in four southern oblasts of Kherson, Mykolayiv, Odessa, and Zaporizhzhie of Ukraine, 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: A number of demonstration and training programs on Vegetables cultivation, Mango, Citrus, Pomegranate, Dates and Beekeeping were conducted in different Excellence Centres of provinces as are Haryana, Bihar, Gujarat, Maharashtra, Punjab, Rajasthan, Karnataka, Tamil Nadu and Uttar Pradesh.

Vietnam: A Demonstration Dairy Farm is now run in the vicinity of Ho Chi Ming City. The professional aspects and the management of the program are carried out by an on-site Israeli agricultural expert assigned to the program on a long-term mission.

Rwanda: The New Centre of Excellence for agriculture and Rural Development, which includes three main components: Capacity building, know-how and knowledge transfer and implementation of modern technologies.

Colombia: The on-going Dairy Cattle project in cooperation with the local government of the Atlantic and Cesar Department, in the northern part of the country and different stakeholders involved in such dairy-production activities as, among others, nutrition, reproduction, milk quality.

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

Ghana: The cooperation between MASHAV; the Ministry of Food and Agriculture of Ghana; and GIZ in citrus production: capacity building and pest management for citrus stakeholders.

Senegal: Advancement in developing the national program in sustainable agriculture (Trilateral Project "PAPSEN") including on-the-spot courses in TIPA Project Centers. The aim of the project is to increase agricultural production and improve income for rural populations, increase food security and promotion of local economic development.

Ethiopia: The project's overarching strategic objective is to promote economic growth in rural areas through strengthening commercialization of small farmers in horticulture production in areas with recognized market potential. The aim of the project is to develop a competitive and sustainable fruit development sector (focused on establishing a base for avocado export for Ethiopian farmers) avocado, aiming at tapping new market opportunities by providing technical and financial support to promote adoption of skills that have a potential to increase production and productivity as well as quality standards so as to increase exports, farmers' revenue, and smallholder nutrition.

Jordan: During 2016 the ongoing cooperation between MASHAV, JICA - Japan International Cooperation Agency and NCARE - the Jordanian National Centre for Agricultural Research and Extension concluded the second phase 2012-2016 of the project and agreed to a third phase 2017-2019. The project focuses on capacity building, professional know-how and knowledge transfer in Aquaculture (Tilapia) and Tropical Fruits (Mango, Avocado and Guava).

OTHER ACTIVITIES AND INITIATIVES

During 2016 a wide range of agri-business activities were initiated and carried out. These activities reflect the changing approach and direction of project-linked

planning and implementation of MASHAV's technical cooperation program. Some long-term projects were conducted in cooperation and under the auspices of the local agencies. On December 2016 the first ECOWAS-ISRAEL Agricultural Ministerial Conference took place in Israel. The activity was a joint effort between CINADCO and MATC.

Regional Program: During 2016, JICA, MASHAV NCARE and CINADCO agreed to cooperate in a regional project in the field of Introduction of Advanced Agricultural Technology and Innovations for Palestinian Farmers under JICA's Third Country Training Program (TCTP). The project includes trainings and workshops in the fields of mango, stone fruits, vegetables and beekeeping for the first year, after which the topics will change according to the work plan. The trainees are extension officers from the Palestinian Ministry of Agriculture.

MATC - MASHAV Agricultural Training Center

MATC specializes since 1963 in human capacity building and training programs in the fields of agriculture, water management, environment and rural development. The Training Center is located in Kibbutz Shefayim.

MATC conducts international, regional and country specific courses as well as professional study-tours, workshops and conferences based on Israeli agricultural know-how, innovation, and development experience. Its training programs, conducted in English, Spanish, French, Russian, and Arabic, are specifically designed to improve agricultural production in developing countries, to promote food security and to create partnerships as well as ongoing international cooperation for sustainable development. We work in close cooperation with Israel's Ministry of Agriculture and Rural Development and its Center for International Agricultural Development Cooperation - CINADCO.

MATC also conducts training activities in collaboration with international organizations: WMO, GIZ, UNIDO, UNECE, DANIDA, JICA, CAIEP, and IRENA.

The overall Agricultural Training Program held at MASHAV - MATC's Training Center in Kibbutz Shefayim included in 2016: 26 training activities (International courses, "tailor-made" country specific courses and conferences) with the participation of 509 professionals from 54 countries. Also in 2016, 22 professional and high-level official delegations visited MATC.

In December we hosted the prestigious MASHAV-ECOWAS Agriculture Ministerial Conference on "Enhancing Sustainable Agricultural Productivity in



Development of the Dairy Sector at MATC

Arid and Semiarid Regions: The Israeli Development Experience". This Ministerial Meeting held in Israel was the first of its kind. It aimed to bring together Ministers of agriculture and high-level government officials, representatives of the ECOWAS countries and Israeli counterparts for sharing challenges and experience on the agricultural and rural development agenda, presenting an opportunity to create and strengthen partnerships and cooperation for enabling the implementation of national development action plans.

The Golda Meir Mount Carmel International Training Center (MCTC)

MCTC was founded in Haifa in 1961 by Golda Meir and MASHAV - Israel's Agency for International Development Cooperation of the Ministry of Foreign Affairs, to conduct training activities in the socio-economic arena, with an emphasis on gender equality. Some 23,000 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. In all of the activities of the Center, MCTC staff is working to further the vision of Golda Meir, who was a pioneer in women's leadership in Israel and worked to empower women around the world.

During 2016 MCTC carried out a vast array of activities including international courses and workshops, seminars, consultancies, and the third International Conference for Judges on Combatting Human

Trafficking in cooperation with the Organization for Security and Cooperation in Europe (OSCE), the United Nations Office on Drugs and Crime (UNODC), the International Organization for Migration (IOM), the Institute of Advanced Judicial Studies, and the Anti-Trafficking Unit, Israeli Ministry of Justice. A total of 36 judges, Supreme Court justices and professionals from the judiciary system representing 22 different countries attended the Conference. As in precedent years, the main aim of the Conference was the establishment of a network of judges in order to nurture cross-border collaboration and exchange of information in the common fight against human trafficking.

This year as well we continued our to work in close collaboration with our partners at international agencies including UN-WOMEN, UNDP, UNIDO, UNAIDS, UNESCO, UNECE, UNODC, UN-HABITAT, UNEP and the Young Americas Business Trust (YABT) of the Organization of American States (OAS). We also were pleased to welcome new partners in 2016 including UNICEF, Jordanian Red Crescent, Slovak AID, and the Singapore Cooperation Programme.

In all, MCTC welcomed 1,435 professionals for training activities in Israel and abroad in 2016. A total of 551 participants attended the 22 activities at the Center. Four courses were conducted in Spanish, three in Russian, one in French, eleven in English, and three in Arabic. A special partnership begun at MCTC this year, together with the Jordan Red Crescent Society a regional course on Women's Empowerment and Entrepreneurship took place. Seventeen women participated in the course and its successful completion in the presence of the Ambassador of Israel to Jordan brought to the agreement to continue the collaboration in following years.

Following the visit of MCTC Deputy Director to Slovakia for a Conference on “Women in Business - Theory and Practice”, of the Slovak Women Platform, a new Regional Course on Gender Aspects of Support Systems for Entrepreneurs for Moldova, Georgia and Ukraine was carried out at MCTC in cooperation with Slovak AID.

MCTC carried out 29 overseas training activities in 2016 spreading worldwide from Africa to Eastern Europe, the Caribbean and the Americas, Asia and the Pacific and 8 short-term consultancies and presentations in international conferences. A total of 884 participants attended the On the Spot programs this year.

MCTC Director attended the 60th session of the Commission on the Status of Women (CSW) that took place at the United Nations Headquarters in New York with representatives of Member States, UN entities, and ECOSOC-accredited non-governmental organizations (NGOs) from all regions of the world attended the session. She also attended the OECD-DAC-GENDERNET Conference on “Gender Equality at Work” in Paris where she presented an overview on Israel’s experience in this field and shared MCTC/MASHAV’s contributions on the same. Course Director for Middle East Regional Courses at MCTC attended the event “Women for the Mediterranean - Driving Force for Development and Stability” hosted by UFM (Union for the Mediterranean Third High Level Conference on Women Empowerment) in Barcelona.

The long-term partnership of MASHAV/MCTC with YABT (the Young Americas Business Trust) continued to bear fruit in Latin America and the Caribbean with

10 On the Spot Courses in 10 different countries, as well as two joint courses in Israel in English and in Spanish. A Pilot course on “Innovation and Community Development” and a needs assessment week in the framework of the new partnership with the Small and Medium Enterprises Council of the Solomon Islands was carried out by MCTC Deputy Director together with a MASHAV expert. The needs assessment week resulted in the proposal made by the Israeli team together with the SME’s Council for a program for the Capacity Building for Small and Medium Enterprises in the Oceania Region to be implemented in 2017 onwards.

Another partnership initiated this year was with the Mekong Institute an intergovernmental organization founded by members of the Greater Mekong Sub-region. Course Director on Entrepreneurship and Innovation at MCTC together with a MASHAV expert conducted the first course in the framework of that new partnership on the topic of “Innovative Entrepreneurship” in Thailand.

MCTC led a total of 10 on the spot activities in Africa this year in 6 different countries. Three courses were carried out in Ghana in the framework of the long-term ECD project, among them a course in Accra entitled “Past, Present, Future: Sustainable Educational Leadership” for leader teachers in cooperation with Ghana Education System. Drawing on the experience of MCTC/MASHAV ECE long-term project in Ghana, MCTC Deputy Director, together with a MASHAV expert conducted a study



Start-up Accelerators for Emerging Entrepreneurs at MCTC

visit to Liberia with the aim of Understanding the Early Childhood Education System in the country. Together with the Ministry of Education of Liberia, they proposed an action plan for an ideal ECD system.

Following a request from UNIDO we conducted the first Fact-Finding Visit and Pilot Training in South Sudan in the framework of the joint project entitled “Upgrading the Fishery Sector in South Sudan through Women’s Economic Empowerment”. A needs assessment visit to Burkina Faso together with a team from CINADO was carried out in order to establish a proposed program for the new Trilateral Cooperation between MASHAV, Italy’s Development Cooperation Agency, and the Ministry of Agriculture and Water Management of Burkina Faso. The cooperation is planned to continue in 2017 with training activities for women entrepreneurs and a ministerial delegation study tour to Israel. Courses and Training of Trainers workshops on Innovative Entrepreneurship and Business Labs were carried out by MCTC/MASHAV teams in cooperation with UN HABITAT in Kenya, Uganda and Liberia.

The collaboration with the Horticulture Business Development Project (UHBDP) supported by the Canadian Department of Foreign Affairs, Trade and Development (DFATD) and the Mennonite Economic Development Associates (MEDA) continued in 2016 with three missions in the Ukraine.

MCTC hosted 19 different delegations and distinguished guests. One very special guest was the Honorable President Ellen Johnson Sirleaf, of the Republic of Liberia who came to the Center to give the main speech in the symposium day on “Digital Bridges for Development” showcasing Israeli innovations geared to address challenges in developing countries. The President encouraged the audience to re-invent themselves every day and try to implement their ideas and dreams.

The Ofri MASHAV International Educational Training Center – METC

The Center was established in 1989 as the Aharon Ofri International Educational Training Center by Haigud Society for Transfer of Technology, as a professional affiliate of MASHAV. The Ofri 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.

The main area of activities is in the field of education. As stated in the World Education Forum 2015, Incheon, and Republic of Korea Education 2030 Framework for Action - Towards Inclusive and Equitable Quality Education and Lifelong Learning for All, that succeeds the Dakar Framework for Action, Education for All, “Education is a fundamental human right. It is the key to sustainable development and peace and stability within and among countries, and thus an indispensable means for effective participation in the societies and economies of the twenty-first century.”

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, 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 international activities are designed for senior staff of formal and informal educational systems, government officials and senior staff of NGOs - all of whom can serve as agents of change. 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. The Center 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.

Following a holistic and integrative approach, the Center combines the educational experience of Israel as a living laboratory. Programs are designed based on: 1) Commitment and engagement; 2) Implementing functions or tasks; 3) Attracting resources and support; 4) Adaptation and self-renewal; 5) Balancing coherence and diversity.

Furthermore, the Center conducts professional training and workshops introducing programs for raising public awareness and encouraging citizens’ involvement. The program proposes methods for encouraging citizens’ participation in civic life and raising awareness of governmental work processes. Topics and goals include raising citizens’ civil and democracy awareness in the community; prevention of drug abuse.

Key Subject Areas include: Education for Sustainable Development, Innovation and Entrepreneurship in the



New Pedagogies in the 21st Century for Higher Education Teachers - METC

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 for Higher Education Teachers under the name "New Pedagogies in the 21st Century for Higher Education Teachers" which was developed based on requests from alumni and participants.

During 2016, some 300 professionals participated in 11 training courses at the Center in Israel.

INTERNATIONAL EDUCATIONAL HIGH LEVEL CONFERENCE

In 2016 we hosted an International High Level Conference in collaboration with the Ministry of Education and international actors such as Teachers for Education 2030. The conference focused in Achieving Education Agenda 2030 with Quality Educators and main subject were educational innovation and professional development. Attending were 51 participants from more than 30 countries. The Israeli Minister of Education, Naftali Bennett participated in the closing ceremony and met the missions' representatives.

ACTIVITIES ABROAD

Apart from our activities in Israel, we conducted a number of On the Spot activities in Colombia, Kenya and Vietnam, which included workshops, lectures, conferences and consulting for future projects in 2017. During these visits, more than 300 educators and local leaders took part at the different events. The activities abroad focused in the subject of New Pedagogies, Education towards Sustainable Development, Youth Leadership and Innovation in Education.

VIRTUAL ACTIVITIES

We started an e-learning project and peer school project in collaboration with the Ministry of Education for our alumni, which will continue in 2017.

The e-learning project included two on-line courses, one in Spanish and one in English in which 50 alumni educators participated. The online courses focused on Educational leadership and ICT tools. The peer school project connected between 8 Israeli schools and 8 schools from abroad. The alumni who lead this project were from Ecuador, Ghana, India, Kenya and Nepal. Both projects will continue and are expect to reach even more educators in the coming year.

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.



Green Growth - Weitz Center

The Weitz Center for Sustainable Development

The Weitz Center for Sustainable Development is a non-profit NGO engaged in training, planning and consulting on sustainable development, regional and local development in Israel and in the developing world. The Center has a long-term cooperation with MASHAV, mainly in 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; Local Economic Development and strategies for poverty reduction, Income Generating Activities in 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; Promoting Urban-Rural Sustainable Development, and Poverty Alleviation Strategies.

TRAINING IN ISRAEL

We wrapped up a successful year of MASHAV courses, in which we hosted over 100 participants from 36 developing countries for trainings on Rural Revitalization, Addressing the Urbanization Challenge, Clean Tech and Green Growth. During each course, participants worked on diverse projects related to local development needs. Learn more about our graduates' projects in our online knowledge-sharing platform dedicated to showcasing Local Economic Development projects (over 80 inspirational video clips and counting): www.my-led.org/.

During 2016 we continued our long cooperation with UNESCO in our course on "Addressing the Urbanization Challenge" in which participated 27 professionals from 17 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



Nutrition in a Changing Global Environment at the Faculty of Agriculture

to desert sand, with little fertile soil and very little water, has become a flourishing agricultural power. Israel's 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 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 five 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, and the fifth and new graduate program, MSc in Viticulture & Enology. 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

Four MASHAV international courses took place in 2016:

- **Bioinformatics and Biotechnology:** Today's tools for tomorrow's agriculture in a world of global environmental changes - A group of 26 Biotechnology specialists from 14 countries such as Nigeria, Ghana, India, Costa Rica, Ecuador, Georgia, Kazakhstan, Moldova, Serbia, Turkey, Philippines, convened in Israel to take part in a month-long training and enrichment program.
- **Feeding the Future: Food Safety and Technology in Times of Global Change** the course provided the 20 participants from 12 countries with management skills for confronting hazards and threats in the food industry.
- **Agri-Green Management: Agri-Environmental Considerations under Climatic Change** - 20 participants, from 12 countries including Ethiopia, Panama, Thailand, Paraguay and Botswana,



Creative Thinking in the Field of Special Education - CCA

learned about effective agricultural utilization of unconventional water resources, such as recycled water, as well as efficient use of fresh water through improved irrigation techniques. The role of biopesticides in agriculture, sludge reuse, and organic farming were among other topics covered in the course.

- Nutrition in a Changing Global Environment - 20 professionals from 11 countries, including Armenia, Colombia, Ghana, India, Kenya, Moldova, and Vietnam, 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 Negev Institute for Strategies of Peace and Development - AJECC-NISPED

The Arab-Jewish Center for Equality, Empowerment and Cooperation - AJECC-NISPED focuses on the role of civil society - the voluntary, people-centered, non-governmental groups and organizations - in furthering conflict resolution and sustainable human development and in working effectively with governments and international institutions to these ends. It serves as a center for education, training and project development in societies undergoing fundamental processes of transformation. These processes include transition from conflict to conflict resolution; from poverty and

dependence to selfhood and social advance; from dictatorship to democracy and economic freedom. It conducts courses, seminars and programmes for leaders, activists and trainers drawn from relevant civil society and government bodies.

AJECC-NISPED specializes in assisting in the development of practical programs of economic and social development. Special attention is paid to processes of capacity building which serve the needs of local communities in initiating and sustaining initiatives of self-organization. It assists in the analysis of local conditions, the identification of opportunities and the development of appropriate responses, based on its experience in both Israel and the wider world.

AJECC-NISPED operates through its dedicated departments:

Economic Development; Volunteerism & Leadership Development; Early Childhood Education; Health Promotion; International Development; Middle East Department.

In 2016 AJECC-NISPED conducted, in cooperation with MASHAV, two courses on "Cooperatives and Enterprise Promotion in Africa" cooperation with the International Cooperative Alliance (ICA).

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



Climate Change and Agriculture at the Meteorological Center

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 12 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
- 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 2016, some 84 professionals participated in our programs in the framework of the following courses:

- Creative Thinking in the Field of Special Education
- Integration of Disabled Children in Normative Educational Frames
- Police and Community

The Israel Meteorological Training Center

The Regional Training Center (RTC) is a joint enterprise of MASHAV and the Israeli Meteorological Service. Recognized by the World Meteorological Organization (WMO) as a regional training center providing postgraduate training in applied meteorology, the RTC has trained thousands of meteorologists, agronomists and hydrologists from developing countries.

The center provides training both in Israel and abroad. In addition, it provides consultancies to meteorological services and undertakes research activities in applied meteorology and agrometeorology.



Police and Community at the International Institute

During 2016 a total of 23 professionals from 20 countries around the world participated in the RTC training Workshop on Climate Change and Agriculture.

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 2016 the International Institute of Leadership conducted six international courses in cooperation with MASHAV:

- Police and Community (in Spanish)
- Social Integration for Marginal Youth (in Spanish)
- Municipal Projects for Citizen Security (in Spanish)
- Police and Community (in English)
- Emergency Situations Preparedness (in English)
- Youth leadership in Trade Unions (in Spanish)

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.

In May 2016, the Arava Institute held its fifth course in the topic of Renewable Energy entitled “Renewable Energy as a Catalyst for Regional Development”. The course was designed for professionals from the public and private sectors to gain knowledge about the basics of renewable energies and how to use renewable energy sources as a means for regional development. Twenty-four 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



Environmental Management of Nature Parks and Reserves - Arava Institute

field trips to learn about technologies and renewable energy installations in the region. Nine months after the course the participants continue to share knowledge, contacts and experiences

In November 2016, the Arava Institute held a new MASHAV training program “Environmental Management of Nature Parks and Reserves”. The twenty five participants who were chosen to attend represented twelve countries from the developing world. The workshop exposed participants to arid land functions and the services they provide. Participants learned what ecosystem services are, and discussed different management styles with an emphasis on biosphere reserves. They learned how ecosystem services can be assessed, valued, priced and translated to management practices, as well as about the differences in management between several types of eco-systems.

The course also included elements of renewable energy use, sustainable agriculture and water resource management. The participants left the Arava Institute and

Israel inspired and equipped to advance Environmental Management projects in their own countries

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.



Developing and Organizing a Trauma System and Mass Casualty Situation Organization - Rambam

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 512 participants from 63 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 May 2016 the Teaching Center successfully organized the 13th International Course on “Developing and Organizing a Trauma System and Mass Casualty Situation Organization.” Attending the course were 26 physicians, nurses and paramedics from 20 countries including: Uganda, Uzbekistan, Argentina, USA, Belarus, Ghana, Haiti, India, the Dominican Republic, Vietnam, Mozambique, Malta, Nevis, Nepal, Serbia, the Philippines, Panama, Peru, Kenya and Thailand.

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 over 50 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 800 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 including the Pears Foundation (UK), Moshal Scholarship Program, Hebrew University and others.

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). In 2015, the School and its MPH Programs were accredited by the Agency for Public Health Education Accreditation (APHEA), a milestone for the Braun School.

The 2015-2016 IMPH class comprised 21 students from: Burundi, Cameroon, China, Ethiopia, Fiji, India, Japan, Kenya, Nepal, Nigeria, Norway, Papa New Guinea, St. Vincent & The Grenadines, Sierra Leone, Suriname, Turkey, USA, Uzbekistan, and Zambia.



International Master of Public Health Program, 2015-2016 - Braun School

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 2016:

Nepal

The Embassy of Israel in Nepal together with members of the Shalom Club and representatives from IsraAID marked the 'Good Deeds Day' spending a day painting and decorating the walls of the Kanti Children's Hospital, in Kathmandu. The Embassy maintains a close relationship with the hospital. Earlier this year, they donated medicines and in a short time will be donating books, toys and games especially shipped from Israel.



Georgia

The Guria Shalom Club in Georgia inaugurated in Chikhatauri a unique greenhouse for children with special needs and their families established by the Israeli Embassy in Tbilisi under the auspices of MASHAV in cooperation with the agricultural company Isragreen. The greenhouse will produce strawberries, and serve as a focal point for agricultural, cultural and social activities especially organized to meet the special needs of the children and their families.



Paraguay

A delegation comprised of members of the Shalom Club and the cultural association "Friends of Israel", traveled to the remote indigenous settlement "Jerusalem" located in the Chaco region to distribute clothes, school supplies, medicines and food. The solidarity campaign, which counted with the presence of Israel's Ambassador to Paraguay and the Honorary Consul, has been regularly carried out for several years to strengthen vulnerable communities.

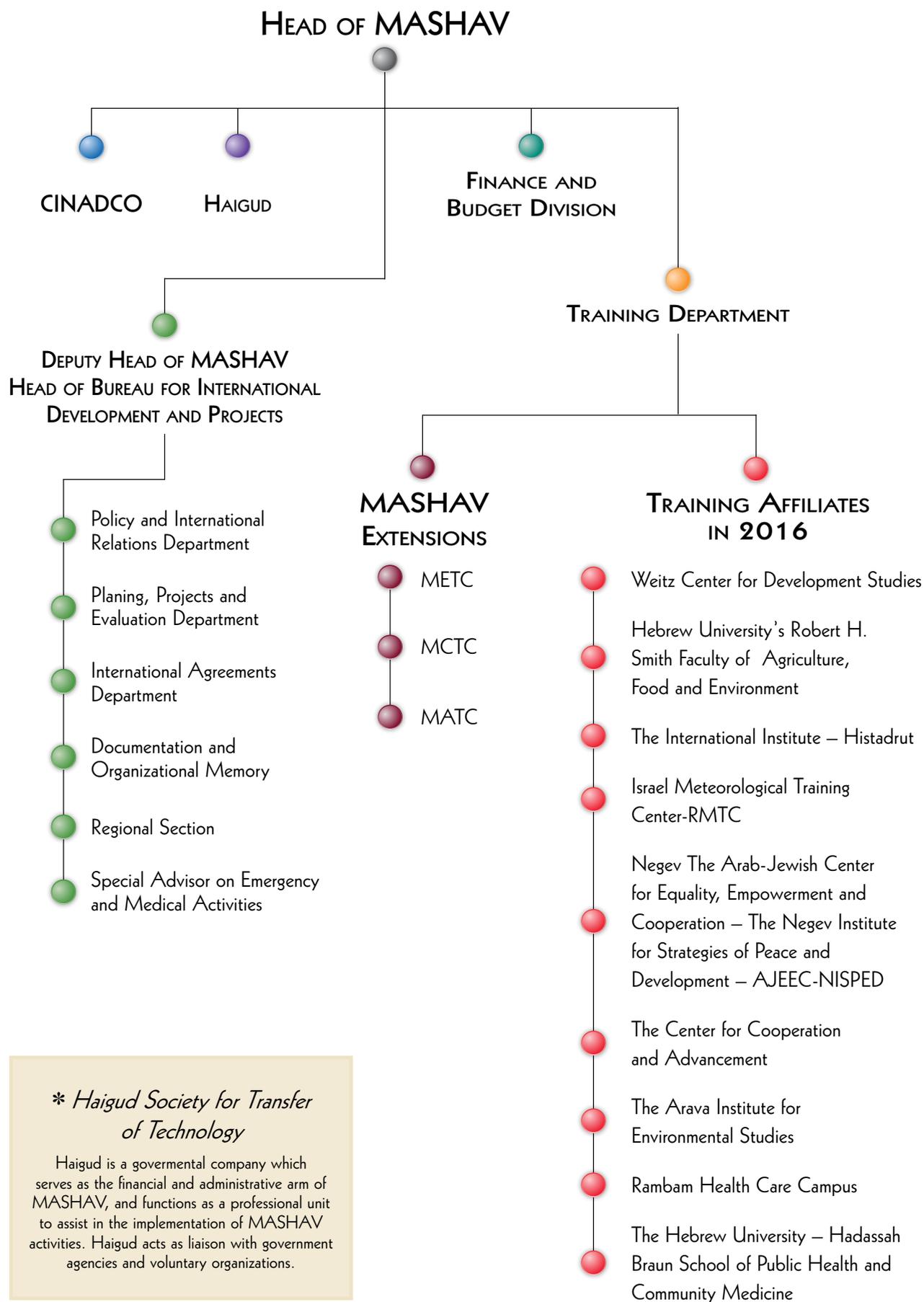


Colombia

The Shalom Club members together with the Israeli Embassy celebrated for the first time the Good Deeds Day, a global initiative to promote solidarity and community involvement. Volunteers conducted activities for the residents of an old people's home and two primary schools.



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.



MASHAV

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