

Key achievements in the territories under the jurisdiction of the Palestinian Authority

- 2019: Systematic monitoring programmes for food contaminants are successfully established to improve food safety.
- 2019: National comprehensive nuclear law receives Government approval.
- 2012: Integration of sterile insect technique helps manage Mediterranean fruit fly population as part of a control programme in the region.

Atoms for peace and development

Widely known as the world's 'Atoms for Peace and Development' organization within the United Nations family, the IAEA is the international centre for cooperation in the nuclear field. The Agency works with its Member States and multiple partners worldwide to promote the safe, secure and peaceful use of nuclear technologies.

The IAEA's technical cooperation (TC) programme helps countries to use nuclear science and technology to address key development priorities in areas including health, agriculture, water, the environment and industry. The programme also helps countries to identify and meet future energy needs. It supports greater radiation safety and nuclear security, and provides legislative assistance.

Recent project successes

Crop breeding

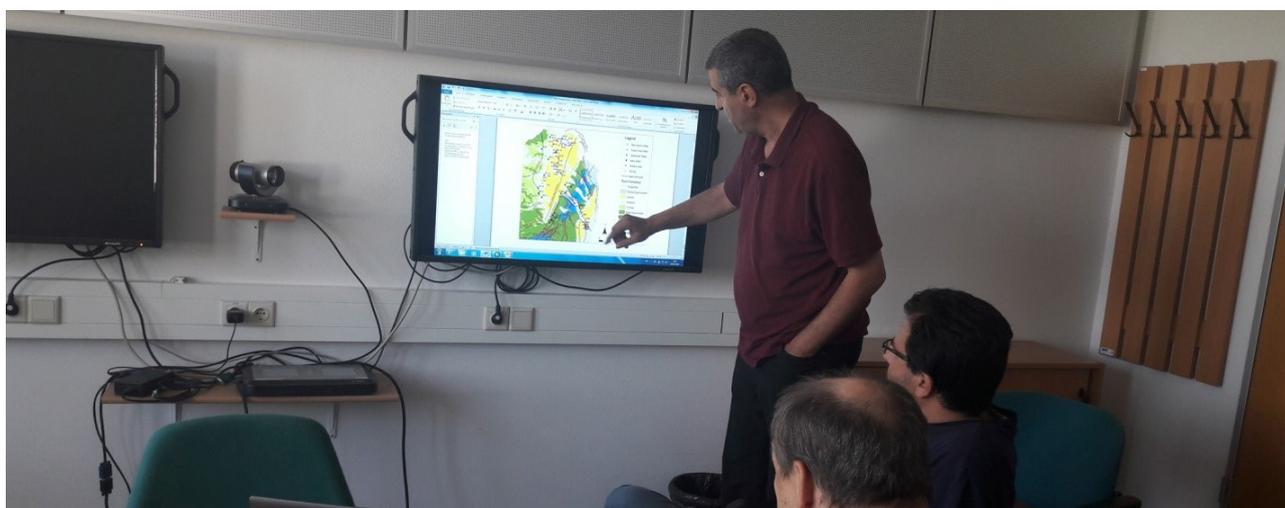
Following six years of collaboration between the IAEA and the agricultural institutions and organizations of the territories under the jurisdiction of the Palestinian Authority, four new variants of local durum wheat seed have been adapted to withstand the harsh environmental conditions and drought. In 2019, the new varieties were distributed to farmers and are expected to increase productivity by 25 per cent, helping to improve food security in rural areas.

Radiation protection and nuclear law

The Nuclear Energy and Radiation Regulatory Authority was established to oversee the effective control of radiological applications and ensure the protection of medical staff and the public from exposure to ionizing radiation.

Food safety

The IAEA supported a programme which systematically analyses and monitors specific contaminants in food and related matrices that are identified as a concern in the territories under the jurisdiction of the Palestinian Authority. In 2019, two national food safety laboratories were established in Ramallah – the Central Public Health Laboratory of the Ministry of Health and the Food Safety Laboratory of the Ministry of Agriculture.



With IAEA support, hydrological maps of the north-eastern aquifer in the territories under the jurisdiction of the Palestinian Authority were produced using new isotopic modelling techniques during a scientific visit to the Helmholtz Centre for Environmental Research in Leipzig, Germany. (Photo: Z. Barghouthi/NARC)

Active national projects

- Strengthening Capability to Monitor Contaminants in Food and Related Matrices through Nuclear and Complementary Analytical Techniques (PAL5010)
- Building Capacity for Nuclear Medicine and Radiation Oncology for the Khalid Al-Hassan National Hospital (PAL6003)
- Evaluating Groundwater Resources Using Environmental Isotopes (Phase II) (PAL7005)
- Improving National Capabilities to Monitor Radionuclides in the Environment (PAL7006)
- Upgrading the Regulatory Infrastructure for the Safety of Radiation Sources (PAL9009)

The territories under the jurisdiction of the Palestinian Authority also participate in 11 regional and 3 interregional projects, mostly in the area of radiation protection and nuclear safety.

Previous IAEA support to the territories under the jurisdiction of the Palestinian Authority

In the recent years, health and nutrition, food and agriculture, and radiation protection and nuclear safety have been the three main areas under the IAEA-supported technical cooperation programme.

The territories under the jurisdiction of the Palestinian Authority also participate in various regional projects for water and the environment and nuclear knowledge development and management.



Quality control scientists analyse samples of animal feed at the National Agricultural Research Centre (NARC) in Jenin. The IAEA supported the procurement of equipment, including a high performance liquid chromatography machine used to provide such services for the agricultural sector. (Photo: I. Badran/NARC)

IAEA support to the territories under the jurisdiction of the Palestinian Authority, 2009–2019



140

trained
(including 12 women)

9

international
experts
provided

64

attended specialist
meetings
(including 1 woman)

Priority areas of support

- Strengthening radiation and nuclear safety and security
- Improving the management of water resources
- Supporting agriculture and rural development
- Improving the human health infrastructure

The territories under the jurisdiction of the Palestinian Authority's contribution to South-South and triangular cooperation, 2009–2019



1
expert and lecturer
assignment provided
by the territories under
the jurisdiction of the
Palestinian Authority

Based on data available as of April 2020

Strategic documents supported

- National Nuclear Law, approved February 2018

www.iaea.org/technicalcooperation

The IAEA collaborates with National Liaison Officers and Permanent Missions to deliver its TC programme.