

Selected achievements

2022–2023: With IAEA support, Israeli experts learn to apply biological Dosimetry in the Secondary Standards Dosimetry Laboratory.

2020–2023: A comprehensive economic feasibility assessment for controlling False Codling Moth using the sterile insect technique (IPM-SIT) fortifies Israel's agricultural system.

2020–2023: Capabilities in medical physics, imaging and radiopharmacy are enhanced through training, additional equipment and dosimetry software tools.



Medical Technology sourced with IAEA support. (Photo: Health Information and Research Directorate, Ministry of Health, Israel)

Project successes

Human health

A microscope-based platform was commissioned to identify and quantify radiation exposure in individuals, thereby strengthening Israel's biological dosimetry capabilities.

This equipment builds on a long term strategy of collaboration between the IAEA and Israel, following the establishment of Israel's first national biodosimetry laboratory in 2016.

Food and agriculture

The use of the sterile insect technique (SIT) for Integrated Pest Management (IPM) has been fully integrated into Israel's national agricultural system. This was evident in the economic feasibility assessment prepared by Israel to control the False Codling Moth using an IPM-SIT approach.

The IAEA provided the equipment needed to support the expansion of SIT technique capacity based on this assessment.

Human health

A series of expert missions were conducted to support the launch of a Master level degree programme in Medical Physics in Israel.

As part of these missions, experts performed a detailed analysis of the current situation in the country, advised on clinical training activities and supported national workshops centred on the roles, responsibilities and competencies of clinical medical physicists. They also helped local experts to identify needs for laboratory equipment and software.

National priorities

- Human health
- Food and agriculture
- Human resources development
- Occupational radiation protection

Main areas of IAEA support

- Human health
- National biological dosimetry capability establishment
- Fruit fly control
- Radiation protection

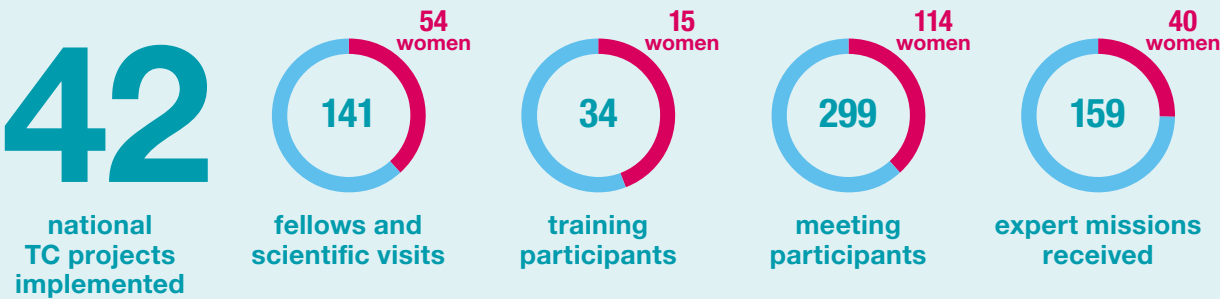
Participation in the major initiatives

- ZODIAC



Plant Protection and Inspection Services, Ministry of Agriculture and Rural Development, Israel.
(Photo: Ministry of Agriculture and Rural Development)

IAEA support received in the 21st century



Contributions to South-South and triangular cooperation

