

Antigua and Barbuda

IAEA Member State since October 2015

Selected achievements

2023: Analytical capabilities for studying the marine environment and nutrition are strengthened at the Department of Analytical Services with the provision of equipment, including microwave equipment for sample preparation, and equipment for gas chromatography, mass spectrometry and infrared spectroscopy.



Staff of the Department of Analytical Services carrying out tests in relation to the marine environment with equipment provided by the IAEA. (Photo: L. Christian/Department of Analytical Services)

National priorities

- Human health
- Water and the environment
- Food and agriculture
- Radiation safety and nuclear security
- Energy planning

Main areas of IAEA support

- Nuclear science and nuclear technologies knowledge
- Water resources management
- Energy planning
- Radiation safety and management of radiological emergencies

Project successes

Environment

The IAEA has boosted capacities at the Department of Analytical Services by procuring necessary laboratory equipment. This included a microplastics analysis kit, an atomic absorption

spectrometer for environmental contaminant analysis and a laminar flow clean workbench. The latter has been helping to ensure a safe and unpolluted operating environment, preventing biological harm to humans during analysis.

Human health

Antigua and Barbuda's capacity to conduct studies on obesity has been strengthened by IAEA procurement of laboratory equipment and supplies.

In addition, staff have received training in the use of the deuterium dilution isotope technique to measure body composition in children.

Energy planning

The IAEA trained five personnel from Antigua and Barbuda in the use of energy planning tools. The new capacities will support and advance national efforts to meet the country's future energy needs.

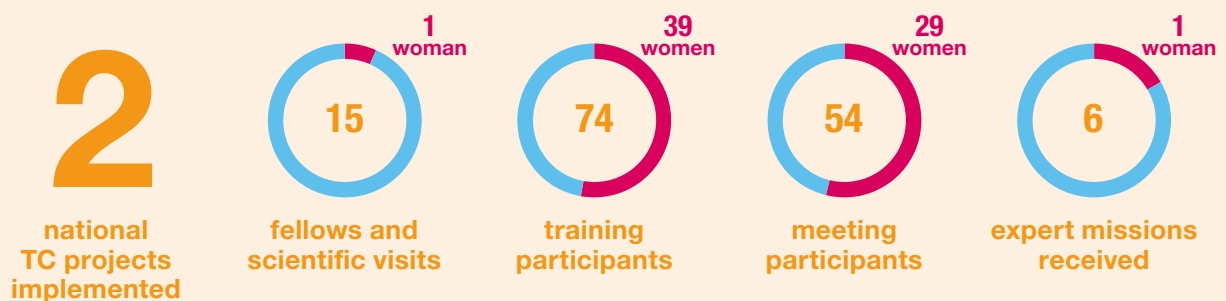
Participation in the major initiatives

- NUTEC Plastics
- ZODIAC



Staff of the Department of Analytical Services performing tests in relation to nutrition studies using equipment provided by the IAEA to strengthen the institution's analytical capabilities. (Photo: L. Christian/Department of Analytical Services)

IAEA support received in the 21st century



Contributions to South-South and triangular cooperation

