

Trinidad and Tobago

IAEA Member State since November 2012

Selected achievements

2022–2023: National capacity in isotope hydrology is boosted with the delivery of a liquid water isotope laser analyser and other equipment. Scientific and technical staff are also trained.

National priorities

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

Main areas of IAEA support

- Water resources management
- Monitoring programme for coastal and marine environment pollution



Infra-red spectrometer for microplastic monitoring, provided by the IAEA to the Institute of Marine Affairs, as part of the support to strengthen the institution's analytical capabilities in relation to the marine environment. (Photo: I. Tolosa/IAEA)

Project successes

Marine environment

An effective monitoring programme for pollution in the country's coastal and marine environment was established with IAEA support for the procurement of laboratory equipment and training staff in its use.

Laboratory capacity at the Institute of Marine Affairs was strengthened with the acquisition of analytical equipment, including multiparametric probes for continuous oceanography analysis, laboratory fluorimeters for monitoring oil spills, and a gas chromatography–mass spectrometry system.

Water resources management

National capacity to analyse water was enhanced with the provision of a Liquid Water Isotope Laser Analyser System, relevant training of personnel from the Water Resources Authority, and the delivery of field equipment to the University of the West Indies.

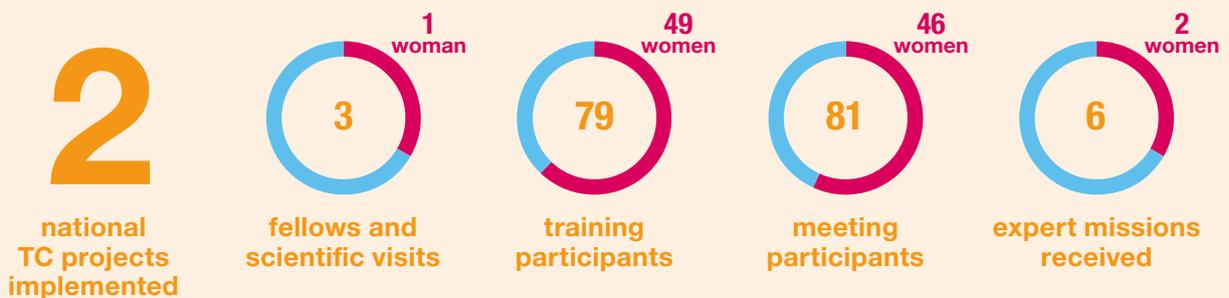
Participation in the major initiatives

- NUTEC Plastics
- ZODIAC



Gas chromatography/mass spectrometry (GC/MS) which was provided by the IAEA to the Institute of Marine Affairs and is being utilized for the analysis of petroleum hydrocarbons, including polycyclic aromatic hydrocarbons, as well as fingerprinting oil spills. This has been instrumental in assisting the country in conducting analysis during the recent oil spill which occurred in February 2024. (Photo: I. Tolosa/IAEA)

IAEA support received in the 21st century



Contributions to South-South and triangular cooperation

