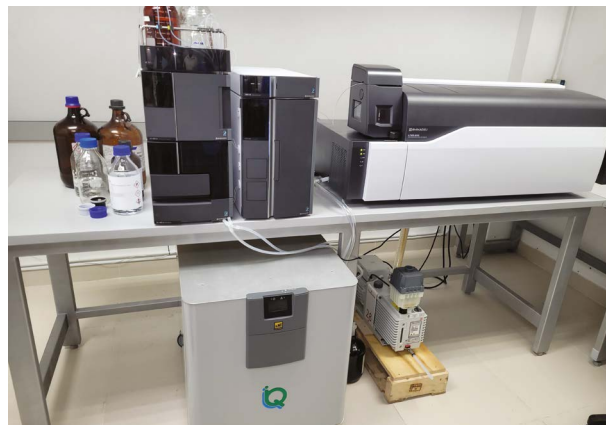


# Saint Lucia

IAEA Member State since February 2019

## Selected achievements

**2021–2023:** The national food safety laboratory strengthens its analytical capabilities by installing instruments for ultra-high-performance liquid chromatography tandem mass spectrometry and a Radio Receptor Assay Tool. Scientific and technical staff are trained to use them accurately and safely.



Inductively coupled plasma mass spectrometry (ICP-MS) at the National Agricultural Diagnostic Facility in Saint Lucia.  
(Photo: S. Frater-Smith/IAEA)

## National priorities

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

## Main areas of IAEA support

- Food safety
- Water resources management
- Energy planning

## Project successes

### Food safety

The National Agricultural Diagnostic Facility significantly strengthened its capacity to analyse pesticide residues in crops and antibiotics residues in animal products by acquiring an ultra-high-performance liquid chromatography tandem mass spectrometer (UHPLC-MS/MS).

Scientific and technical staff members were comprehensively trained to ensure proficient knowledge and usage of the new equipment.

### Water resources management

The capacity to collect water samples was strengthened with field equipment and training provided to the national authority.

### Energy planning

Personnel were trained in the use of IAEA energy planning tools. These are now used to support national efforts in this area.

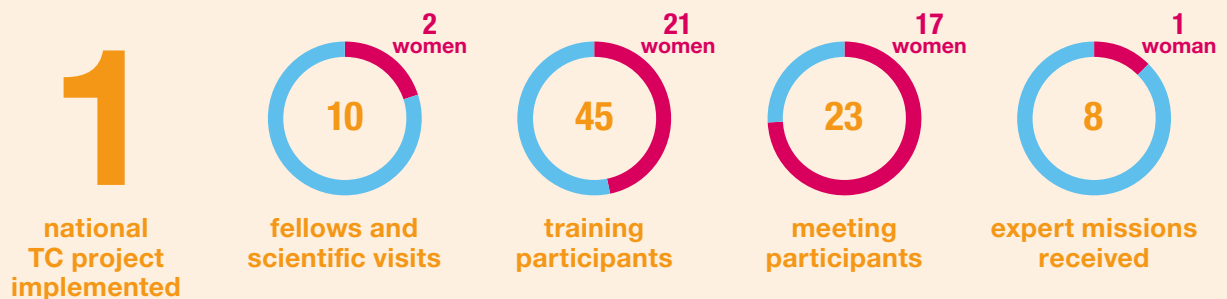
## Participation in the major initiatives

- ZODIAC



With IAEA support, scientific and technical staff members have been comprehensively trained to ensure proficient knowledge and usage of the new chromatography tandem mass spectrometer (UHPLC-MS/MS) equipment. (Photo: H. Romain/ National Agricultural Diagnostic Facility, Saint Lucia)

## IAEA support received in the 21st century



## Contributions to South-South and triangular cooperation

