



Key achievements in Seychelles

- 2018: IAEA TC Certificate of Excellence - Best practices for building effective partnerships for the mitigation of saline-sodic irrigation to improve crop production and farmers' livelihoods.
- 2015: Establishment of the first plant and soil diagnostic laboratory in the country, which is currently accessible to a wide range of beneficiaries.

Atoms for peace and development

The International Atomic Energy Agency is the world's central intergovernmental forum for scientific and technical cooperation in the nuclear field. It works for the safe, secure and peaceful uses of nuclear science and technology, contributing to international peace and security.

The IAEA's technical cooperation programme helps countries to use nuclear science and technology to address key development priorities, 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

Soil water management

National capacity was strengthened with IAEA support to address soil salinity and sodicity that was affecting the coastal areas of the Seychelles. Through the national programme, monitoring systems were installed, and staff skills were enhanced through training, workshops and expert missions.

Sources of salinity were identified using oxygen-18 isotopic techniques, and elevated values in soil salinity in the coastal areas were recorded. The project also provided laboratory equipment and supported the analysis of salinity-sodicity locally, as well as providing technical expertise in the monitoring of seawater intrusion. In addition, the private sector in the Seychelles supported the procurement of additional soil moisture and salinity monitoring systems which benefitted local farmers.

Nutrition for human health

Support was provided to the Seychelles to assess body composition in 8 to 10 year-old children, using a stable isotope technique and comparisons with anthropometric measurements (weight, height and waist circumference). The results enabled the determination of associations between physical growth, body composition and anthropometry. The project helped to raise awareness about obesity in children and contributed to an understanding of the extent of the national challenge.



Experts train farmers in the Seychelles on sustainable soil and water management to improve their crop yields and secure their livelihoods through a project supported by the IAEA. (Photo: SSA)

Active national projects

- Increasing Crop Production through Effective Management of Soil Salinity in the Coastal Area using Nuclear and Related Techniques (SEY5007)
- Suppressing Melon Fruit Fly Species through Environment-Friendly Techniques to Enhance Food Security (SEY5009)
- Strengthening Laboratory Capabilities to Enhance Food Safety Using Nuclear and Complimentary Analytical Techniques (SEY5010)
- Supporting Better Sustainable Soil Management as Climate Change Adaptation Measures to Enhance National Food and Nutrition Security (SEY5011)
- Evaluating an Intervention Programme on Obesity and Obesity-Related Risk Factors in Children (SEY6004)
- Developing Capacity for Analysis, Monitoring and Mitigation of Ciguatera Fish Poisoning (SEY7001)
- Strengthening the National Regulatory Infrastructure for the Control of Radiation Sources (SEY9005)

Seychelles also participates in 14 regional and 3 interregional projects.

Previous IAEA support to Seychelles

The IAEA's recent support has predominantly focused on insect pest control; the evaluation of a nutritional intervention programme for improved health; marine, terrestrial and coastal environments; and governmental and regulatory infrastructure for radiation safety.



A national seminar for nuclear regulators on safety and the regulatory control of radiation sources emphasized the importance of a collaborative environment among all stakeholders for enhancing safe handling of radiation sources and occupational exposure control.
(Photo: IAEA)

IAEA support to Seychelles, 2009–2019



158 trained
(including 59 women)

63 international experts provided

37 attended specialist meetings
(including 19 women)

Priority areas of support

- Evaluating human health
- Supporting management of water resources and the environment
- Improving food and agriculture
- Supporting energy policy formulation and planning
- Developing human resources

Seychelles's contribution to South-South and triangular cooperation, 2009–2019



3 expert and lecturer assignments provided by the Seychelles

Based on data available as of April 2020

Cancer control imPACT Review conducted: July 2019

Strategic documents supported

- Strategic Partnership Framework (2019–2023)
- Country Programme Framework 2017–2020, signed in September 2016

www.iaea.org/technicalcooperation

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