

Selected achievements

2021: The Board of the Radiation Protection Agency (RPA) is established.

2019: The Government of Lesotho enacts the Radiation Protection Agency Act.

2019: The Central Veterinary Laboratory enhances its capacity to diagnose foot and mouth disease, peste des petits ruminants (sheep and goat plague), rabies, Newcastle disease, anthrax and brucellosis.



Nuclear derived techniques have so far shown that Lesotho is free of foot-and-mouth disease, one of the most infectious diseases that kill livestock. (Photo: F. Omonya/IAEA)

National priorities

- Nuclear and radiation safety
- Food and agriculture
- Human health and nutrition
- Water resources management and the environment
- Energy planning and industry

Main areas of IAEA support

- Radiotherapy facility establishment
- Human resource development
- Livestock productivity
- Animal health
- Mutation breeding and biotechnology
- Energy planning

Project successes

Livestock development

With IAEA assistance, Lesotho's Central Veterinary Laboratory has enhanced its capacities and competencies in disease diagnostics using molecular and enzyme-linked immunosorbent assay (ELISA) technology.

These increased capacities have improved turnaround times, reduced reliance on external resources, enhanced data collection and analysis for improved disease control, and facilitated access to international markets according to the requirements of the World Organisation for Animal Health.

Additionally, with IAEA support, Lesotho has introduced advanced technology for evaluating animal semen, addressing challenges in artificial insemination and contributing to better livestock reproduction practices, particularly in small scale farming communities.

Water resources management

With IAEA support, Lesotho has developed fundamental capacities to integrate isotope hydrology into water management. This has facilitated the generation of valuable information on the respective roles of ground and surface waters in specific catchment areas. The enhanced laboratory capacity has enabled Lesotho to conduct water analyses independently for improved water resources management.

Participation in the major initiatives

- Rays of Hope
- ZODIAC

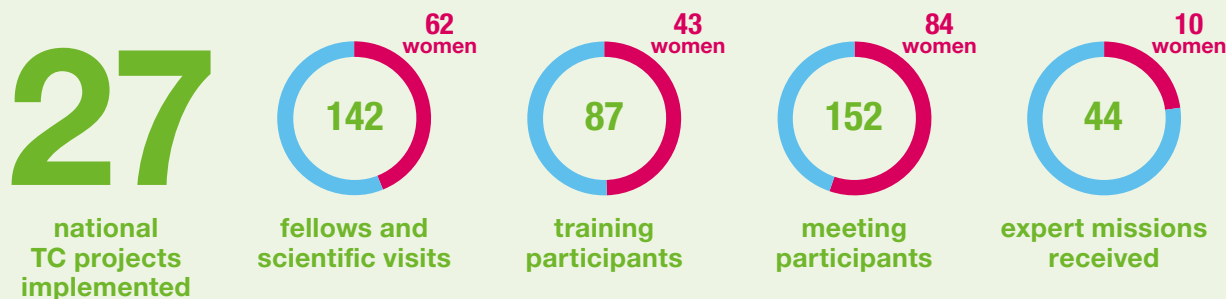
Date of imPACT Review(s)

2011



HE Senate Barbara Masupha, Resident Representative of the Permanent Mission of the Kingdom of Lesotho, and Hua Liu, IAEA Deputy Director General and Head of the Department of Technical Cooperation, signing Lesotho's Country Programme Framework for the period of 2024–2029. (Photo: J. O'Brien/IAEA)

IAEA support received in the 21st century



Contributions to South-South and triangular cooperation

