

Malawi

IAEA Member State since October 2006

Selected achievements

2023: Construction of the radiotherapy and brachytherapy bunkers starts at the National Cancer Treatment Centre in Lilongwe, the country's first public sector radiotherapy facility.

2022: The Malawi Bureau of Standards strengthens its non-destructive testing and radioanalytical capacities.

2019: The Atomic Energy Regulatory Authority is inaugurated.



Malawi radiotherapy bunkers under construction in Lilongwe. The IAEA's ongoing support includes the long term training of key personnel to operate the facility. (F. Omonya/IAEA)

National priorities

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

Main areas of IAEA support

- Energy planning
- Environmental monitoring
- Animal health
- Water resources management
- Radiotherapy center establishment

Project successes

Cancer therapy

Malawi developed its National Cancer Control Strategic Plan (NCCP) 2019–2029, following an imPACT Review in 2012. The IAEA played a pivotal role in the implementation of the plan, supporting the establishment of the country's inaugural radiotherapy and nuclear medicine facilities. Construction of bunkers for radiotherapy and brachytherapy instruments commenced at the National Cancer Treatment Centre in Lilongwe, Malawi's first public sector radiotherapy facility. The IAEA's ongoing support included the long term training of key personnel to operate the facility, procurement of equipment and provision of technical support.

Food and agriculture

The Central Veterinary Laboratory upgraded its diagnostic capacities in animal health management with IAEA support through the acquisition of new equipment and training. This has enabled Malawi to quickly respond to outbreaks of major transboundary animal diseases, such as foot and mouth disease. With enhanced capabilities in early diagnosis and quarantine, the country can now more effectively reduce the spread of the disease, minimize animal confinement and avoid unnecessary culling during outbreaks.

Water and the environment

Malawi's Central Water Laboratory has enhanced its technical capacity to use isotope techniques for the monitoring and management of water resources. The establishment of an isotope hydrology platform has enabled effective hydrogeological investigations. The data from water analyses are used to inform water managers and policy makers and empower them to make informed decisions for the sustainable management of Malawi's water resources in the face of evolving environmental challenges.



Malawi's Minister of Health, Khumbize Kandodo Chiponda, speaking at the IAEA's 67th General Conference in Vienna in September 2023. (Photo: IAEA).

Participation in the major initiatives

- Rays of Hope
- ZODIAC

Date of imPACT Review(s)

2012

IAEA support received in the 21st century



Contributions to South-South and triangular cooperation

