Montenegro

IAEA Member State since October 2006

Selected achievements

2022: The Clinical Centre of Podgorica bolsters its diagnostic capabilities and medical services by acquiring a paediatric CT scan.

2015: A mammography unit in the Clinical Centre of Podgorica is commissioned.

2008: The Montenegrin building code is amended regarding radon measurement and remediation.

A coordination meeting is held to discuss the design and plans for the New CT center construction. (Photo: IAEA).

National priorities

- Nuclear safety infrastructure
- Radiation technology applications
- Animal health
- Nuclear medicine access
- Water resources protection
- Water quality improvement
- Plant health protection
- Food safety

Main areas of IAEA support

- Environmental monitoring and protection
- Radioactive waste management, decommissioning and remediation of contaminated sites
- Governmental and regulatory infrastructure for radiation safety
- Radiation protection of workers and the public
- Health and medical applications
- Food safety
- Human health and nutrition
- Capacity establishment and nuclear knowledge management

Project successes

Human health

Montenegro has been partnering with the IAEA to improve the early detection and diagnosis of breast cancer.

With IAEA support, Montenegro upgraded clinical methods and equipment, trained staff in mammography techniques and implemented a screening initiative in Podgorica.

Within eight months, the pilot programme detected findings indicative of cancer in 128 of 1267 mammographies.

Food safety

IAEA support in food safety and livestock production enabled the Center for Ecotoxicological Research of Podgorica (CETI) and the Veterinary Laboratory (DVL) to enhance their capabilities and adopt new standard operating procedures for physical chemistry and microbiological analyses.

With this support, a comprehensive surveillance plan was established in 2020, covering diseases such as the West Nile disease, crustacean disease, diphtheria, salmonella, African swine fever and brucellosis.

The introduction of molecular detection techniques and sequencing services strengthened Montenegro's ability to identify and respond to the exposure to pathogens, delivering long term benefits to the nation's health security.

Radiation protection

With IAEA support, Montenegro strengthened its radiation protection capabilities, allowing radon levels in central and northern regions to be measured and remediated — particularly for educational establishments.

This increased awareness fostered the adoption of a national strategy and the development of an action plan for controlling indoor radon exposure.

In addition, Montenegro is planning and budgeting for comprehensive remediation activities.

An amended building code now holds construction companies responsible for measuring and potentially remediating radon leaks. The calibration equipment procured for Montenegro is expected to also benefit neighbouring countries.

Long term, these measures have resulted in policy changes, heightened awareness and a framework for ongoing radon control in Montenegro and beyond.

The Clinical Centre of Podgorica bolsters its diagnostic capabilities and medical services by acquiring a paediatric CT scan. (Photo: IAEA)

Participation in the major initiatives

- ZODIAC

Date of imPACT Review(s)

2010

IAEA support received in the 21st century

19 national TC projects implemented

127 fellows and scientific visits — **67** women

233 training participants — **114** women

755 meeting participants — **366** women

73 expert missions received — **31** women

Contributions to South-South and triangular cooperation

115 meeting participants hosted — **44** women

14 expert missions supported — **4** women