

Selected achievements

2019: A Radiation and Nuclear Safety and Security Inspection service is established within SRBATOM, the Serbian regulatory body.

2018: Serbia adopts a Law on Radiation and Nuclear Safety and Security, enabling further harmonization with IAEA nuclear safety and security standards.

National priorities

- Nuclear and radiation safety
- Decommissioning and radioactive waste management
- Environmental radiation monitoring and remediation
- Human health
- Food and agriculture
- Water resources management
- Human resources development in nuclear sciences, applications and safety

Main areas of IAEA support

- Radioactive waste management
- Environmental radioactivity monitoring
- Cancer diagnosis
- Sustainable land management

Project successes

Human health

The Centre for Nuclear Medicine in Serbia received Positron Emission Tomography (PET) equipment for the establishment of a Theranostics Department.

The IAEA helped deliver essential laboratory equipment and provided expert advice to enhance staff skills in diagnosing and treating various diseases, including oncological, infections and inflammatory conditions. IAEA expertise facilitated accreditation of the PET/CT equipment by the European Association of Nuclear Medicine.



Equipment provided by the IAEA to the Clinical Center of Serbia, Centre for Nuclear Medicine. (Photo: Clinical Center of Serbia)

Guided by the IAEA, Serbia's capacity to perform PET/CT diagnostics was enhanced, contributing to long term improvements in healthcare services.

Livestock production

The Institute of Veterinary Medicine in Serbia, serving as the National Reference Laboratory (NRL) for the majority of transboundary infectious diseases, enhanced its capacities with IAEA support.

Early detection of infectious diseases plays a crucial role in all treatment and prevention strategies. The diseases spread is inversely proportional to the rapidity of definite diagnosis achievement. IAEA support led to improved early detection, epidemiological surveillance and control of transboundary animal diseases in emergency situations, reducing the diagnosis time from 7 days to 24 hours.

Coupled with a fivefold increase in daily testing capacity, the result is timelier insights into the spread of a disease and informed strategies for its eradication.

Radiation safety

Since 2009, the IAEA has been helping the 'Nuclear Facilities of Serbia' public body to strengthen its radiation safety system related to decommissioning and radioactive waste management.

Additionally, the IAEA has provided technical support and equipment for strengthening

internal occupational exposure assessments and upgrading the existing infrastructure for whole body counting measurements and workplace monitoring.

This increases the protection of workers, the public and the environment from the potentially harmful effects of ionizing radiation.

Participation in the major initiatives

- ZODIAC

Date of imPACT Review(s)

2010



Equipment provided by the IAEA to perform freeze drying — a dehydration process typically used to preserve perishable materials or make them more convenient for transport (Photo: Institute of Veterinary Medicine in Serbia)

IAEA support received in the 21st century



Contributions to South-South and triangular cooperation

