

# Slovakia

IAEA Member State since September 1993

## Selected achievements

**2023:** Unit 3 of the Mochovce nuclear power plant enters the commissioning phase followed by a successful first connection to the grid and 100 per cent power output reach.

**2022:** The first National Radon Action Plan is approved by the Government of Slovakia.

**2021:** The Slovak Nuclear and Decommissioning Company (JAVYS) is designated as an IAEA Collaborating Centre in the field of decommissioning and radioactive waste management.



The Slovak Nuclear and Decommissioning Company (JAVYS) is officially recognized as IAEA Collaborating Centre. (Photo: IAEA)

## National priorities

- Nuclear and radiation safety
- Nuclear knowledge development and innovation
- Human health

## Main areas of IAEA support

- Nuclear safety and radiation protection
- Radioactive waste management for decommissioning activities
- Radiotherapy
- Human resource development

## Project successes

### Nuclear and radiation safety

IAEA support has significantly enriched Slovak capacities in nuclear safety, emergency preparedness, SMR technologies and radiation protection.

Slovak experts further strengthened their regulatory capacities, notably within the context of the Mochovce Unit 3 commissioning. Through fellowships and scientific visits, they gained knowledge in nuclear safety, emergency preparedness and digital I&C systems.

Enhanced expertise in the fields of radiation protection and safety helped develop the National Radon Action Plan which was approved by the Government in 2022.

### Decommissioning and radioactive waste management

Slovakia received IAEA support for its efforts to decommission its A1 and V1 nuclear power plants at the Jaslovské Bohunice site and for managing radioactive waste. Expert missions, fellowship training, scientific visits and workshops were organized to bolster management and treatment capabilities and to support the incorporation of international best practices.

In June 2022, the Slovak Nuclear and Decommissioning Company (JAVYS) organized an expert mission focused on the

technical aspects and challenges associated with the preparation and implementation of a full-scale NPP site release.

As a result of continuous improvements in the field of decommissioning and radioactive waste management, JAVYS was designated as an IAEA Collaborating Centre in these areas.

### Human health

The IAEA helped Slovakia to improve radiotherapy services, positively impacting the long term quality of cancer treatments.

This included capacity-building activities to enhance knowledge and experience in SRS treatments, SGRT, and Stereotactic Radiotherapy.

Additionally, support was provided to procure immobilization equipment, software and a patient positioning system for radiotherapy.



Staff is trained using VR tools procured under a TC project, thereby enhancing regulatory capacity. (Photo: Nuclear Regulatory Authority of the Slovak Republic)

### Participation in the major initiatives

- ZODIAC

## IAEA support received in the 21st century



## Contributions to South-South and triangular cooperation

