

# Safety Enhancement of Ignalina Nuclear Power Plant Radioactive Waste Management



The objective of the project implemented in 2020-2024 is to improve Ignalina nuclear power plant decommissioning management, control, and **prevention systems to reduce the negative impact on the environment, ecosystems, and people.**



The project will increase cooperation between Lithuanian and international institutions and organisations and thus **help to deepen the global energy facility decommissioning know-how and expertise.** The acquired knowledge will be shared with other entities in the field.



The total value of the project is 3.5 million euros. The activities are **financed by Norwegian Financial Mechanism and Lithuanian national co-financing.**

## What activities will be implemented?

Aims and activities of the project:

- To prepare industrial waste landfill safety evaluation. It will determine conditional uncontrolled levels of radioactivity. If the results confirm that waste accumulated in the landfill should be classified as uncontrolled, that will allow to stop applying the radiation safety requirements and reclass this industrial waste landfill as a dump.
- To perform an analysis of possibility to transform bituminized waste storage facility into a repository (after the safety evaluation). Technical assistance of independent experts will be used for this activity: evaluation will be carried out by Lithuanian State Nuclear Power Safety Inspectorate (VATESI) and Norwegian Radiation and Nuclear Safety Authority (DSA) with International Atomic Energy Agency (IAEA) mission assistance.
- Thoroughly assess the method of storing the spent nuclear fuel and radioactive waste in a deep geological repository (DGR) and ascertain if it is the only sustainable and safe method to complete the radioactive waste management.
- To increase the knowledge and technical competencies of the specialists.

Radioactive waste management at INPP



## Expected project results

The following results are expected to be achieved by the end of the project:

- prepared concept of final disposal of spent nuclear fuel and radioactive waste in the territory of Lithuania;
- improved radioactive waste management and decommissioning processes;
- better professional competence of INPP, VATESI and DSA employees due to trainings and visits to competence development centers in foreign countries.

## About EEA and Norway Grants

European Economic Area (EEA) and Norway Grants are funded by Iceland, Liechtenstein, and Norway to contribute to a socially and economically equal Europe and to strengthen bilateral relations with 15 EU member states in Central and Southeast Europe and the Baltic region.

Iceland  
Liechtenstein  
Norway grants



**AE** IGNALINA  
NUCLEAR  
POWER PLANT