European Roundtable on Information and Public Participation in the field of Radioactive Waste Management


The implementation of the Radioactive Waste Directive

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RESPONSIBLE & SAFE MANAGEMENT of SPENT FUEL and RADIOACTIVE WASTE

A unique regional binding legislation aiming at ensuring safety in the backend of nuclear life-cycle without undue burden to future generations and with the necessary public information and participation

HOW DID WE GET THERE?

Nuclear Safety Directive

Waste & Spent Fuel Directive

New Basic Safety Standards

Amended Nuclear Safety Directive

Fukushima
PRINCIPLES for a responsible & safe management of SPENT FUEL and RADIOACTIVE WASTE

- Minimise generation of waste as far as reasonably practicable
- Comprehensive scope from generation to disposal
- Long-term passive safety features
- Costs borne by those who generates radioactive waste
- Evidence-based and documented decision-making process
2nd COMMISSION REPORT


EU28 Inventory 2016

TOTAL 3.5 million m³

WASTE thousands m³

603 VLLW
2519 LLW

338 ILW

6 HLW

SPENT FUEL tonnes of Heavy Metal

58000 tHM

Projections
DISPOSAL OF SPENT FUEL & HIGH-LEVEL RADIOACTIVE WASTE

A group of forerunners, also on global scale, precedes by several decades the others.
**TRANSPARENCY**

Member States to have mechanisms in place to inform workers and public on radioactive waste and spent fuel management.

**Member States**

- competent regulatory authority
- providing regular updates to citizens

**Public**

- to be given necessary opportunities to participate effectively in the decision making process
The IAEA integrated peer review service provides a cross-cutting peer review service for Member States worldwide, as well as in relation to the peer review obligations from the EU Directive on waste management.
THE WAY FORWARD

ADDITIONAL EFFORTS AND SPECIFIC FOCUS NEEDED ON

- Policies, concepts and plans
- Disposal facilities for intermediate- and high-level waste
- Key Performance Indicators for national programmes
- Self-assessments and international peer reviews
- Shared solutions
- Projection of inventories
- Cost assessments and financing mechanisms
- Safety demonstrations
- Post-closure and knowledge preservation information
- Availability of trained and competent staff
Summary of latest studies

...published

- Study on market for decommissioning nuclear facilities in the European Union
- Study on the risk profile of the funds allocated to finance the back-end activities of the nuclear fuel cycle in the EU
- Support to the mid-term evaluation of the nuclear decommissioning assistance programmes
- Study on the insurance, private and financial markets in the field of nuclear third party liability
- Methodologies of cost assessment for radioactive waste and spent fuel management
- Benchmarking analysis of member states approaches to definition of national inventories radioactive waste and spent fuel
  https://ec.europa.eu/energy/studies_main/final_studies/benchmarking-analysis-member-states-approaches-definition-national_en

in preparation (i.a.)...

- Study on Key Performance Indicators for monitoring implementation of national programmes on safe and long-term management of spent fuel and radioactive waste
- Study on radioactive waste classification schemes in the European Union
THANK YOU

https://ec.europa.eu/energy/en/home