



# Radioactive waste management

State of play

*EESC JDE62, 17 October 2024*

# Directive 2011/70/Euratom



Commission shall submit every three years a progress report to the European Parliament and the Council (Article 14(2) of the Directive).

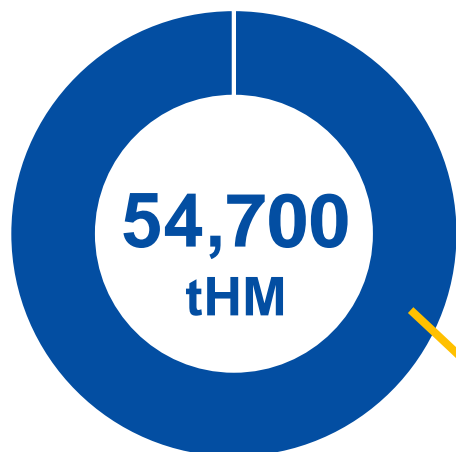
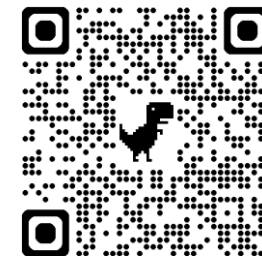


The 3<sup>rd</sup> report was adopted in May 2024.



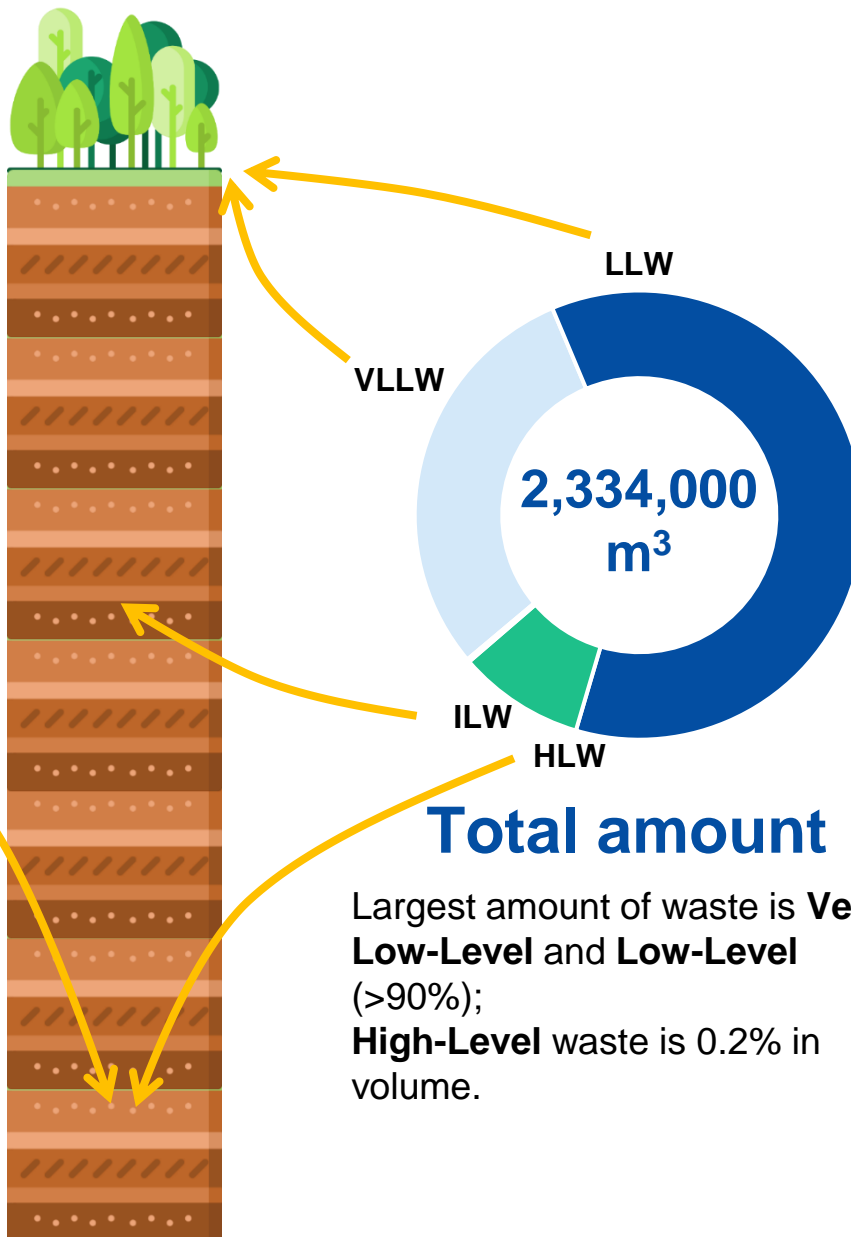
The deadline to submit the national reports for the fourth reporting period was 23 August 2024 (Article 14(1) of the Directive).

# INVENTORY



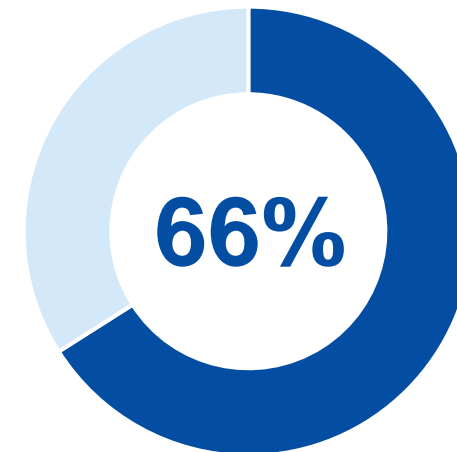
## Stored spent fuel

**Very-Low-Level** and **Low-Level** can be disposed of in surface facilities.



## Total amount

Largest amount of waste is **Very-Low-Level** and **Low-Level** (>90%); **High-Level** waste is 0.2% in volume.



## Waste disposed of

**Very-Low-Level** and **Low-Level** can be disposed of in surface facilities. Increased by 8% in the period 2016-2019.



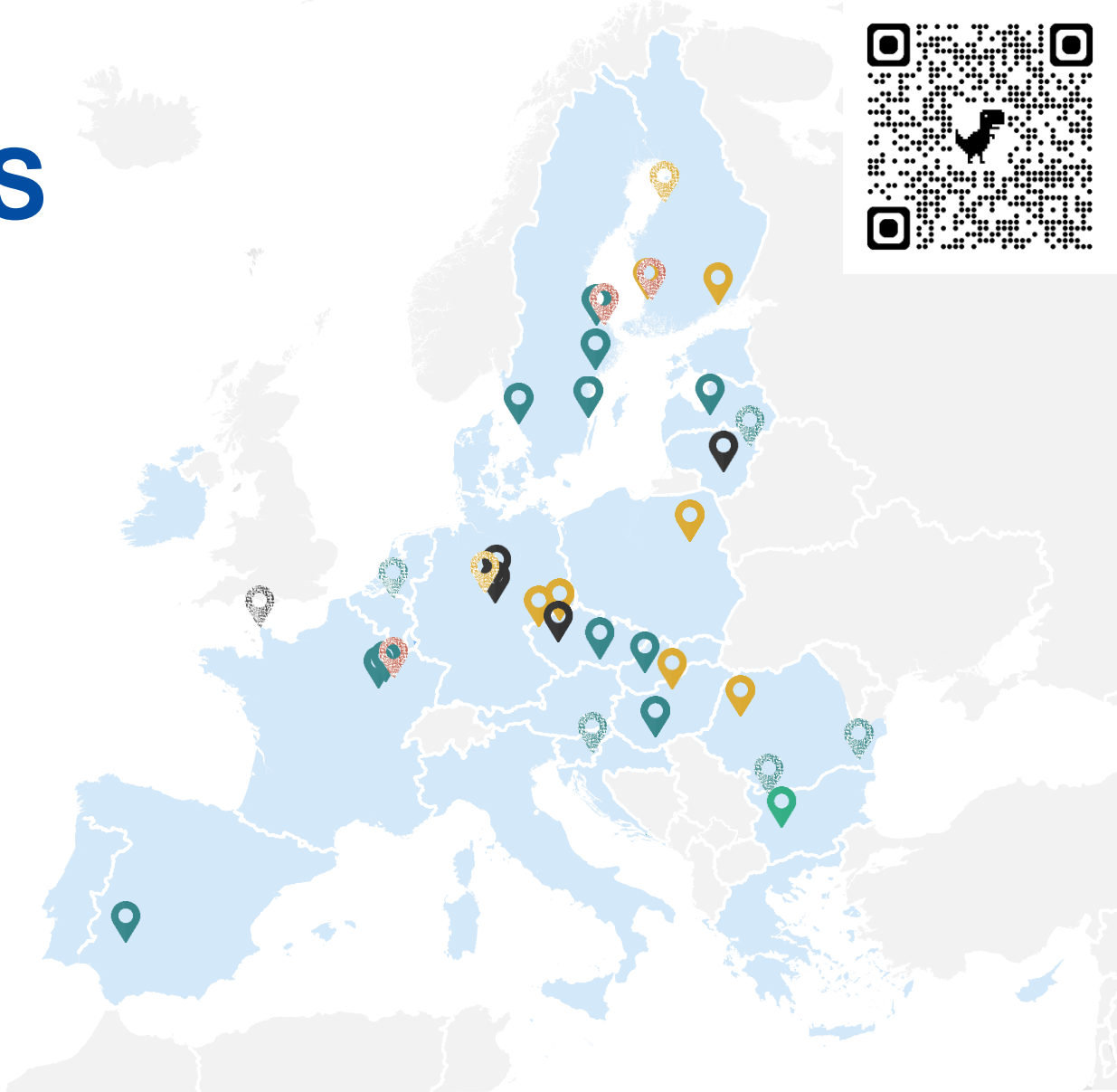
# DISPOSAL FACILITIES



## Deep Geological Repositories

Finland (2025), France (~2035) and Sweden (~2035) are forerunners on a global scale

PHASE	SURFACE	NEAR SURFACE	DEEP
Operation			
Realisation/Planned			
Closed			



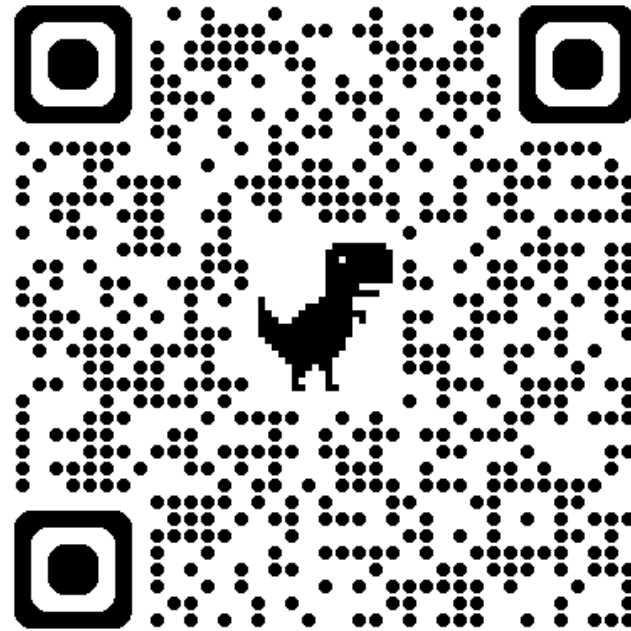
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# INTERNATIONAL PEER REVIEWS

- Obligation
- Every 10<sup>th</sup> year
- Public outcome



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.



# SUMMARY



- + **National programmes** in place and established in a **transparent and participative** manner
- + Radioactive waste and spent fuel **managed safely** in the Member States in the reporting period
- + Increasing amounts of **disposed waste**
- + The system of **self-assessments** and **international peer reviews**
- Several Member States did not further define **national policies for the long-term management of all** their radioactive waste
- The targets set in some national programmes are **not sufficiently ambitious**
- Programmes' **control** and **funding**, incomprehensive **assessment of costs**
- Weak application of **key performance indicators**

# CONCLUSION



*“As the 10<sup>th</sup> anniversary of the transposition deadline of the Directive into national legislation has passed, overall, a general conclusion can be drawn that the transposition and implementation of the Directive in the Member States have not to date fully achieved the Directive’s objectives for all categories of radioactive waste. This calls for a more **thorough evaluation** of the Directive’s effectiveness in ensuring responsible management of spent nuclear fuel and radioactive waste in the EU and avoiding the transfer of any undue burden to future generations.”*

# Thank you



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