



EC expectations on RTD cooperation

Waste Acceptance Criteria 2: Needs, challenges and opportunities

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Outline

- The legislative framework
- The « Waste Directive »
- A need for an EU-level action?
- Recent studies
- Work Programme 2021/2022 and next call

Legislative framework

- *1994*: IAEA classification system for radioactive waste
- *1999*: An EC recommendation to provide MS with a common approach to classification of radioactive waste

Commission Recommendation of 15 September 1999 on a classification system for solid radioactive waste - (SEC(1999) 1302 final), 1999/669/EC, Euratom (OJ L 265, 13.10.1999, p.37).

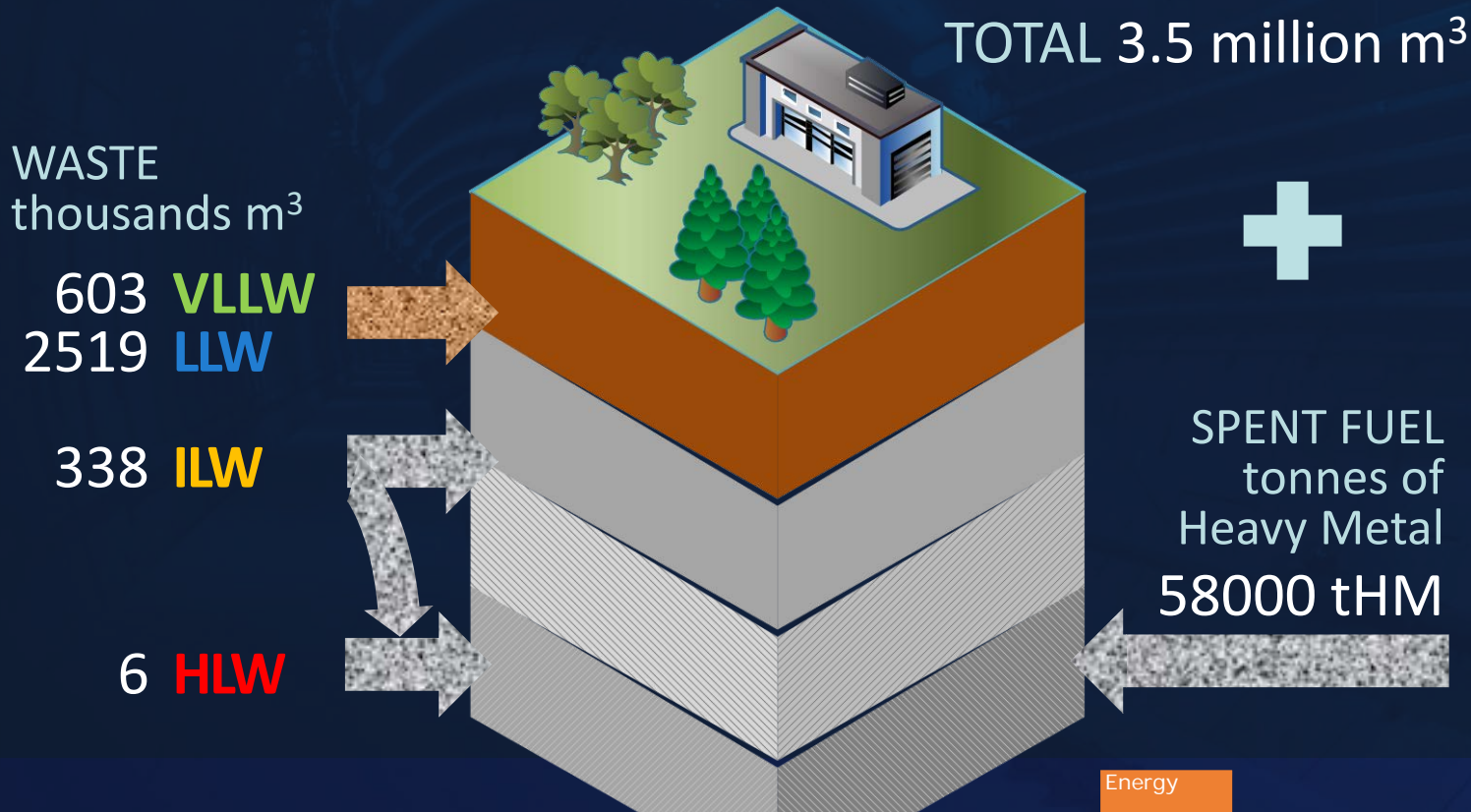
- *2006*: Adoption of the 2006/117/Euratom « Shipment Directive »
- *2009*: IAEA General Safety Guide
- *2011*: Adoption of the 2011/70/Euratom « Waste Directive »

IAEA General Safety Guide “Classification of Radioactive Waste”, No. GSG-1, 2009

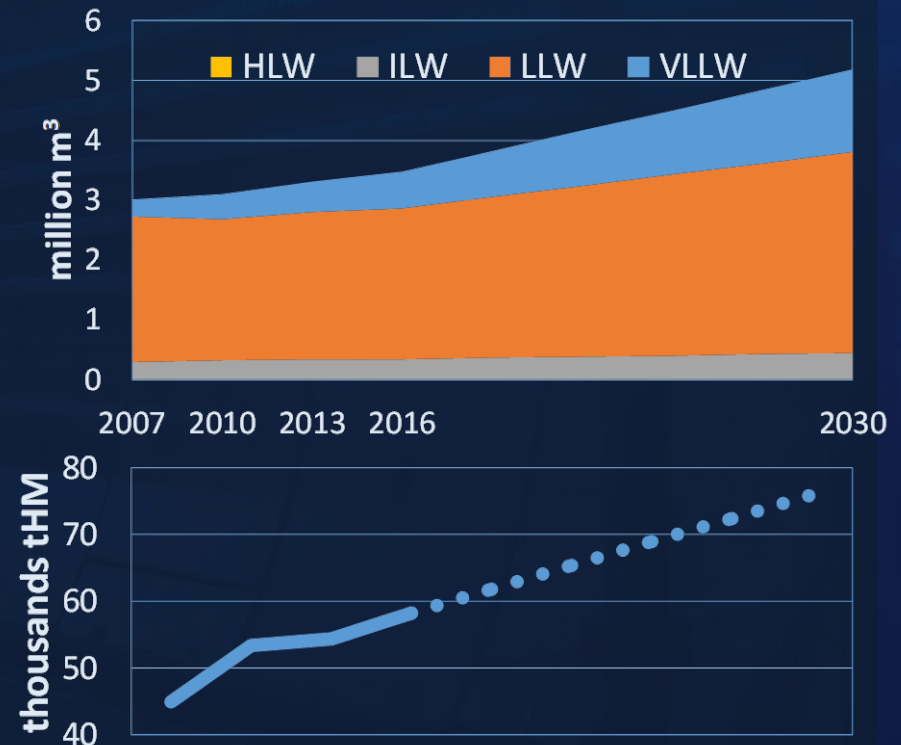
REPORTING

- Council Directive 2006/117/Euratom – 4th reporting cycle
- Council Directive 2011/70/Euratom - 3rd reporting cycle

EU28 Inventory 2016



Projections



Is an EU-level action needed?

- The recent reports showed a great variety of approaches and level of detail used by the MS

Reports from the Commission to the Council and the European Parliament on progress of implementation of Council Directive 2011/70/EURATOM and an inventory of radioactive waste and spent fuel present in the Community's territory and the future prospects. COM(2017) 236 final & COM (2019) 632 final.

- A communitary action on classification schemes and WAC would promote cross border collaboration between MS
- Open opportunities for the market related to RWM & Decommissioning
- Classification schemes have a role to play in respect to transparency requirements and effective public information

2nd Commission Report on the implementation of Council Directive 2011/70/Euratom

COM(2019) 632



*“EU level action on **radioactive waste classification schemes, criteria for pre-disposal management and qualification processes** may help opening cross border collaboration between Member States on sharing technical and licensing practices on final disposal solutions and creating opportunities for the EU-wide market in equipment and services related to decommissioning and radioactive waste.”*

Studies

2019/20

‘Benchmarking Analysis of Member States Approaches to Definition of National Inventories Radioactive Waste and Spent Fuel’

Final Report - ENER/2018/NUCL/SI2.778797

https://ec.europa.eu/energy/studies_main/final_studies/benchmarking-analysis-member-states-approaches-definition-national_en

2021/22

‘Study on radioactive waste classification schemes in the European Union’

ENER/LUX/2020/OP/0027



Main findings of the benchmarking analysis

- The MS' strategies directly impact the way the national methodologies are structured. Comparison between MS should be performed on the methods not the outputs.
- The involved stakeholders differ among MS from national WMO, ministries to public or private entities.
- Classification schemes in-use are not all supported by a legal framework
- The IAEA GSG-1 is used a « reference classification » despite not formally being one.
- Formally, the RWM routes are identified in MS official publications. The types of installation are identified and developed. The key challenge remains in the siting and design.

Radioactive waste classification schemes in the European Union

Tasks

ANALYSES

Gap analysis – Commission Recommendation 1999/669/EC, Euratom

Coherence in the use of IAEA GSG1

Characterisation and classification systems - WAC

Correlation and dependence of WAC and national strategies

SURVEYS

Awareness of the public about radioactive waste classification

Barriers to cross-border cooperation

SYNTHESIS

Towards an aligned harmonized application of international regulatory framework in waste management and decommissioning (Topic 8)

Relevance for EU

- Addressing issues hampering implementation of EU regulatory framework in radioactive waste management and decommissioning providing a basis for improving harmonisation between EU MS

Expected outcomes

- Delivery of S&T-based solutions and share of best practices.
- Development of a strategy for European/internationally shared treatment and storage facilities
- Development of a strategy for predisposal operations, treatment solutions, interim storage, repository, safety, operations, monitoring of materials and wastes, and stakeholders involvement

Event	Date
Drafting and Programme Committee WP2021-22	02/2020 – 02/2021
Adoption Euratom 2021-25	03/2021
Euratom WP2021-22 publication	05/2021
Submission Call open.....	05/2021
Deadline	09 - 10/2021
Evaluations	10 – 11/2021
Negotiations/Finalisation of Grants	01 – 05/2022
Grant Agreement signature.....	06/2022
First projects launched	06/2022



RWM and Decom, Coordination and Support Action: Towards an aligned harmonised application of international regulatory framework in waste management and decommissioning

EC Funding and Tenders portal <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

Thank you

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