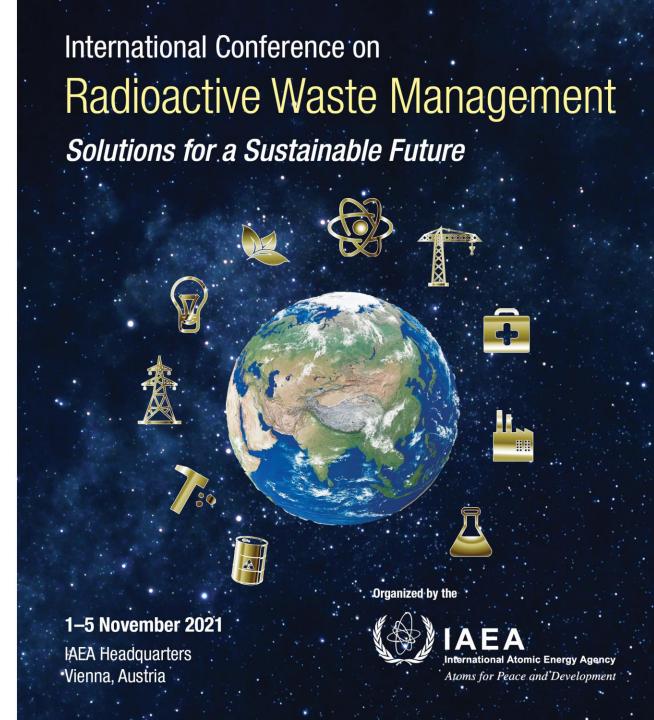
EURAD: A step change in European joint collaboration towards safe radioactive waste management

IAEA-CN294-096





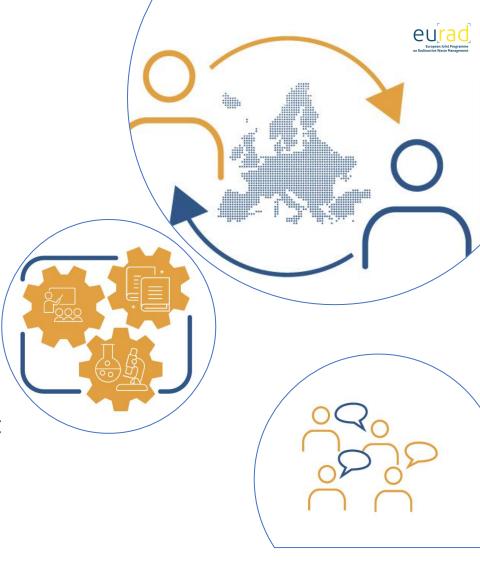
A leap forward

"A step change in European collaboration towards safe radioactive waste management (RWM), including disposal, through the development of a robust and sustained science, technology and knowledge management programme that supports timely implementation of RWM activities and serves to foster mutual understanding and trust between participants."



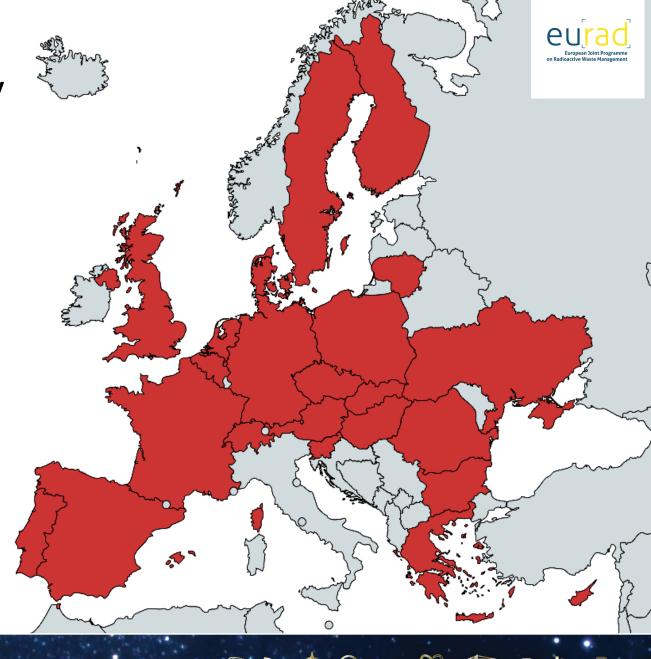
Objectives

- Implement a robust and sustained state-of-the-art science and technology programme
- Consolidate efforts across Member-States, organisations and generations on Knowledge Management
- Elaborate upon complex issues and identify emerging ones by bringing together all interested actors to jointly conduct Strategic Studies
- Foster mutual understanding / trust between participants as well as other stakeholders, incl. from Civil Society



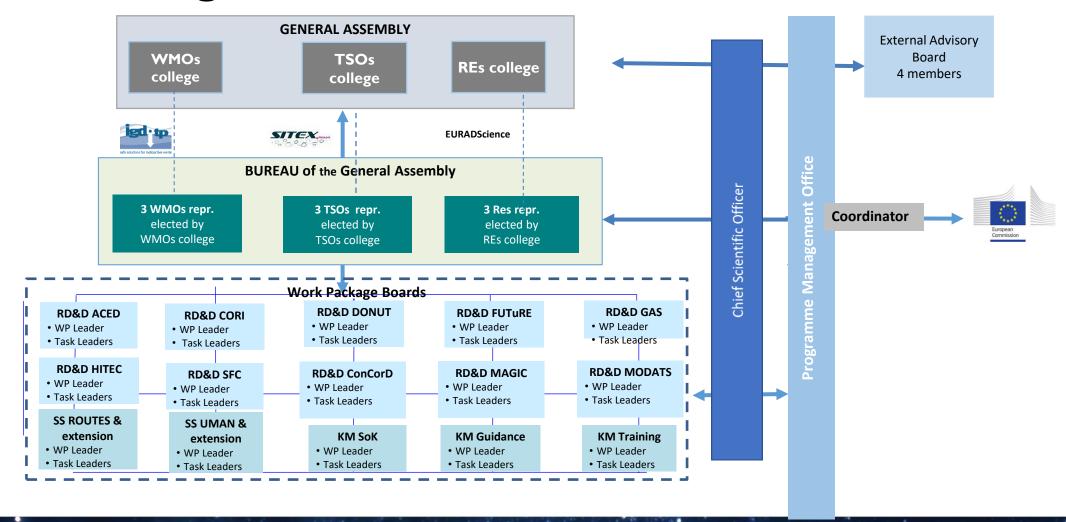
EURAD is a community

- 51 Mandated actors from 23 European countries representing the following Colleges :
 - Waste Management Organisation (WMO)
 - Technical Support Organisation (TSO)
 - Research Entity (RE)
- 61 Linked Third Parties (mostly universities and research centres) and 3 International Partners
- Groups of Civil Society organisations





EURAD's governance

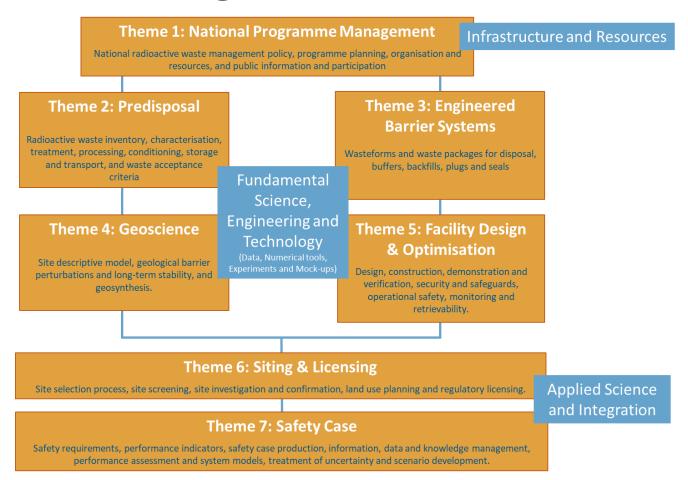






EURAD Strategic Research Agenda

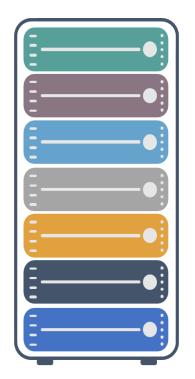
- Shared
- Living and dynamic
- With a broad spectrum
 - Frames research and knowledge management objectives
 - Covers RWM activities from cradle to grave (does not cover decommissioning)







EURAD Roadmap



Programme Management

Pre-Disposal

Engineered Barrier Systems

Geoscience

Design & Optimisation

Siting & Licensing

Safety Case

EURAD Roadmap Goals Breakdown Structure

Hierarchical breakdown: 7 Themes
> 20 Sub-themes > ~ +70 Domains.

This provides a framework
within which to look inside
and see whether sufficient
information and knowledge
exists (knowledge
management), or whether
additional RD&D is needed.



EURAD Roadmap – Theme Overviews



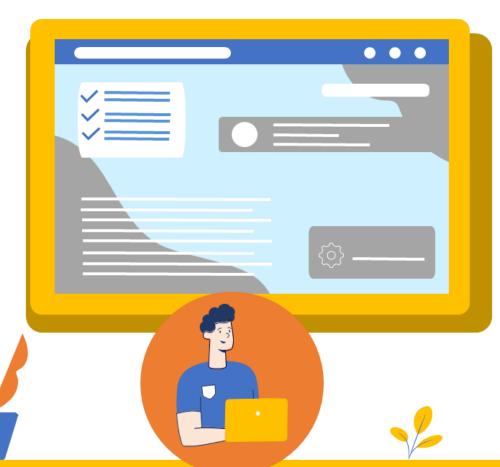
Typical Activities

Describes generically how activities evolve in each Theme.



Capability Needs

Knowledge, skills, laboratories, equipment, tools, technology, industrial manufacturing + more.













EURAD Roadmap – Domain Insights





Context

Detailed scientific evidence is linked to DGR safety and implementation goals.



Domain Maturity

Signposts to state of knowledge documents and ongoing RD&D.



Networks & Resources

Signposts to existing networks, training, and guidance.





Deployment – EURAD workpackages

- Research and Development 10 workpackages
 - o developing and consolidating scientific and technical knowledge
- Strategic Studies 2 workpackages
 - enabling experts and specialists to network on methodological / strategical issues and advance significant challenges in direct link with scientific and technical issues
- Knowledge Management 3 workpackages
 - developing State of Knowledge, developing descriptive methodological guidance and developing/delivering training modules and mobility measures
- Coordination/Dissemination 1 workpackage
- Civil society engagement



Key achievements after two years

13 workpackages running well + launch of a second wave

Initial SotA produced in each R&D WP

Numerous deliverables and milestones

Integrated shared KM Programme and networking strategy

Goals Breakdown Structure Roadmap

- Mobility Programme
- Training and webinars

Successfull involvement of civil society





EURAD's ambition

Complement the national Programmes

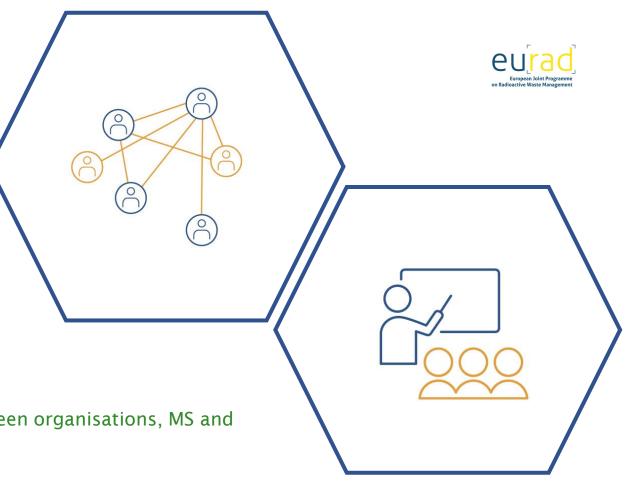
- Support compliance with European regulations
- Foster efficient use of RD&D resources at the EU level
- Support RWM innovation and optimisation

Ensure the sustainability of the knowledge

- Developing and consolidating existing knowledge
- Enhancing knowledge management and transfer between organisations, MS and generations

Act as a platform

- Foster mutual understanding and trust
- Exchange and cooperation with international organisations and expert networks





Thank you



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https://www.ejp-eurad.eu/

