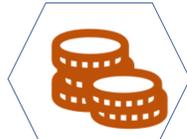


THE EUROPEAN JOINT COLLABORATION TOWARDS SAFE RADIOACTIVE WASTE MANAGEMENT

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5 Years
2019-2024



59,9 M€
50 % EC contribution



116
Organisations



17
Work packages

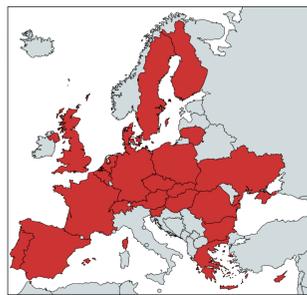
EURAD's vision

Support EU Member-States in developing and **implementing their national RD&D programmes** for the safe long-term management of their **full range of radioactive waste**, taking into account the various stages of advancement of national programmes and in accordance with the Waste Directive (2011/70/Euratom).

The EURAD Community

- **51 Beneficiaries** (and their **62 Linked Third Parties**) mandated by ministries of **23 European countries** recognising their role of directing RD&D at national level, as:

- Waste Management Organisation (**WMO**);
- Regulatory Technical Support Organisation (**TSO**);
- Nationally funded Research Entity (**RE**).



- **3 International Partners**

(NUMO, NWMO and CSIRO self financed)

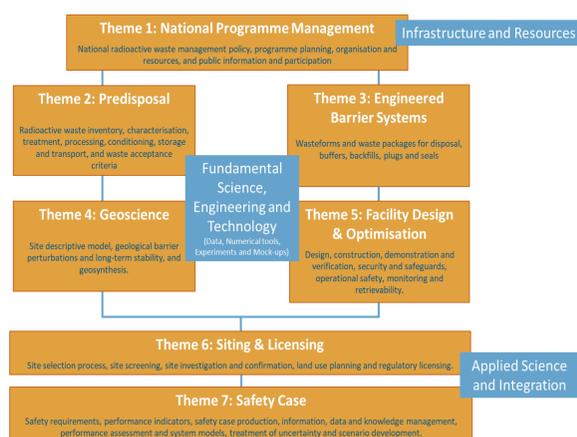
- **Civil society organisations and end-users (+100)**

- **1000 individuals including 110 PhD/post-doc/master students**

A shared and dynamic Strategic Research Agenda

Based on the EURAD roadmap for implementing radioactive waste management in Europe, the Strategic Research Agenda (SRA) covers:

- **All waste types;**
- **Pre-disposal** - waste characterisation and processing (incl. treatment, conditioning and packaging) and interim storage
- **Disposal** - primarily geological disposal, but also other types of disposal.



Update of the SRA (final version early 2023) will serve two purposes:

- **Take stock and reflect** on progress made since 2019 and capture emerging needs
- Prepare as **guide for a potential future EC joint programme**

EURAD's Roadmap

A generic RWM Programme framework based on **goal-oriented breakdown structure and populated with State-of-Knowledge documents** aiming to:

- Assess and transfer existing information & knowledge between national programmes
- identify needs for additional R&D (input to → SRA)
- identify issues that need to be collectively resolved
- structure scope definition and identify needed capabilities
- collect knowledge, related guidance and training in one site

Deployment mechanisms

Collaborative and cross-disciplinary **Research and Development** that supports the generation of new knowledge to advance RWM across Europe with a balance between operational / implementation / safety driven and prospective R&D. Including:

- Source term, engineered barriers, nearfield interactions
- Geological barrier, perturbing effects & clay and cemented based material barriers
- Methods, models, interactions and tools

Strategic Studies: Think-tank activities enabling experts to network on methodological/strategical issues and advance significant challenges that are common to various national programmes and in direct link with S/T issues.

Knowledge Management (KM): Enhancement and transfer of knowledge between generations, member states and organisations, while respecting achievements made by IAEA, OECD/NEA and national RWM organisations.

Conclusions

EURAD supports EU Member States in their timely implementation of RWM activities via

- **Scientific excellence** that creates new knowledge, educate scientists and broadens capabilities
- **Existing knowledge** that is made available and accessible in a implementation structured manner
- **Interaction and cooperation** in a systematic, inclusive and transparent way to achieve effective and efficient EU collaboration and networking
- **Trust and mutual understanding** between partners, end-users and civil society.



For more information



EURAD programme has received funding from the European union's Horizon 2020 research and innovation programme under grant agreement n°847593.