

Introductory course on EURAD and Radioactive Waste Management

Introductory remarks

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Welcome!



Introductory course – what I expect and hope for today's course

... tonight, all of you will think that this was an interesting day!



Introductory course – what I expect and hope for today's course

... tonight, all of you will think that this was an interesting day!

... and thanks a lot to those that took the initiative to organize this course

Introductory course – what I expect and hope for today's course

you should ...

- get a better understanding on radioactive waste management (and your role in it)
- get more detailed insights on the aims and elements of EURAD
- see what 'science' is done within EURAD (and where you might interact)
- see your own work in the broader (societal) context - a contribution to an important issue: *the timely implementation of safe disposal solutions*
- ... see and hear new persons

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... and now some first information about some of these issues

Implementation of disposal solutions – a broad overview

- **Implementation well underway:** L/ILW, but also Geological Disposal Facilities (GDF) for HLW (see advanced programmes: Finland, Sweden, France)
 - **Implementation activities will go on for long time** (closure of repositories far in future): **the need for a long-term view** (e.g. maintain needed knowledge, ready for emerging issues)
 - **Much RDD has been done, partially through cooperation** (e.g. EC/EURATOM projects) – **significant maturity reached in all relevant areas**, see licence applications also for GDFs
 - **But: RDD will continue in some areas** (optimization, emerging issues, increase understanding)
 - **RDD complemented by strategic studies to investigate 'emerging'/'unclear' issues**
 - **Maintain & transfer knowledge from one generation to next & between organisations**
- **EURAD – Joint programming** (EC project): collaborative & coordinated activities of many mandated organisations from different member based on a common understanding

EURAD – Overview

- **EURAD – European Joint Programme on Radioactive Waste Management**
- **Joint programming**
 - participants mandated by responsible entities of member states & linked 3rd parties
 - ... representing three colleges
 - Waste Management Organisations (WMO)
 - Technical Support Organisations (TSO, supporting regulatory activities)
 - Research Entities (RE, supporting all interested bodies)
 - ... and: involvement of **civil society** organisations
- **Covering**
 - RD+D projects (currently: ACED, CORI, DONUT, FUTURE, GAS, HITEC, SFC)
 - strategic studies (currently: ROUTES, UMAN)
 - knowledge management (State-of-Knowledge & transfer, guidance, training & mobility)
- ... **with a *roadmap* and a *strategic research agenda* as essential frameworks**

The EURAD Vision on Joint Programme

provide added value to member states in their timely implementation of RWM activities

The vision of the European Joint Programme on Radioactive Waste Management (EURAD) is:

“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 Joint Programme participants”.

By step-change we mean a new era of more effective and efficient use of public RD&D funding in Europe, and a deepening of research-cooperation between Member States. We aim to implement a strategic Joint Programme of research and knowledge management activities at the European level, bringing together and complementing national EU Member State programmes in order to ensure cutting edge knowledge creation and preservation in view of delivering safe, sustainable and publicly acceptable solutions for the management of radioactive waste across Europe now and in the future.

EURAD – the different elements to create added value

- Advance scientific excellence & technology in line with EURAD vision
- Generating new knowledge and its integration in other areas
- Evaluation of needed & available knowledge in a structured manner
 - structuring the fields of knowledge by using suitable framework (roadmap)
 - by assessing these different fields with respect to
 - knowledge needed & knowledge available (state-of-knowledge)
 - capabilities needed for implementation (competencies, infrastructure, ...) in different phases
 - training & mobility available & needed
 - guidance available & develop additional guidance where needed
- ... and by providing the corresponding information in a suitable manner to support the member states in the timely implementation of disposal solutions

Thank you for your attention!



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