



IGD-TP's Competence Maintenance, Education and Training (CMET) Activities as part of the SRA Deployment

Actions taken and planned within European context

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The Secretariat activities for the IGD-TP has received funding from the European Atomic Energy Community's Seventh Framework Programme (FP7/2007-2011) under grant agreement no 249396 SecIGD.



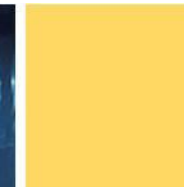
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1

OUR SHARED VISION

Our vision is that by 2025, the first geological disposal facilities for spent fuel, high-level waste, and other long-lived radioactive waste will be operating safely in Europe.

Our commitment is to:

- build confidence in the safety of geological disposal solutions among European citizens and decision-makers
- encourage the establishment of waste management programmes that integrate geological disposal as the accepted option for the safe long-term management of long-lived and/or high-level waste
- facilitate access to expertise and technology and maintain competences in the field of geological disposal for the benefit of Member States



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Source: IGD-TP Vision Document 2009
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Technology Platform Process

IGD-TP's Approach (www.igdtp.eu)



Key Topics – Basis of the SRA

- Safety case
- Waste forms and their behaviour
- Technical feasibility and long-term performance of repository components
- Development strategy of the repository
- Safety of construction and operations
- Monitoring
- Governance and stakeholder involvement



Cross-Cutting Activities

- relevant to every program at any stage -

- Dialogue with regulators,
- Competence maintenance, Education and Training (CMET),
- Knowledge Management (incl. information preservation, memory keeping),
- Communication interfaces and other activities supporting information exchange.

Waste Management Programme - Specific Ac

In addition, Topics that are best solved by company specific actions:

Source: IGD-TP SRA 2011



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- Site characterisation issues
- Transportation
- Requirement management systems
- Waste acceptance (quality assurance and safeguard issues)
- Industrial scheme
- Economics of funding and planning

Competence Maintenance, Education and Training Working Group – SRA Cross-Cutting Topic 2

First member

organisations

■ Waste Management Organisations/ Agencies

- Posiva (FI)
- NDA (UK)
- RAWRA (CZ)

■ Research organisations

- BGR (Bundesanstalt für Geowissenschaften und Rohstoffe, DE)

■ Universities

- ENMS (University of Lorraine, FR)
 - CTU (Czech Technical University, CZ)
- UPM (Universidad Polytechnica Madrid, ES)
- TUC (Technical University of Clausthal, DE)
 - Stockholm University (SE)
 - Aalto University (FI)
 - University of Milan (IT)
- Slovak Technical University (SK)

Drivers and Objectives for IGD-TP's CMET

Current Drivers

- Implementing geological disposal and support Joint Activities
- [New Directive 2011/70/EURATOM](#)
- "Newness" of GD jobs; innovative adaptation need and learning outcome focus
- Changing demographics and long-term commitment!

Group

CMET Objectives

- Transfer of state-of-the-art, competence needs of GD community for reaching "Vision 2025"
 - Quality assurance of training for professionals with voluntary accreditation
- Develop content of training needed for implementation of the SRA
 - Ensure indirectly that providers and new personnel will be available.

Article 8

Expertise and skills

Member States shall ensure that the national framework require all parties to make arrangements for education and training for their staff, as well as research and development activities to cover the needs of the national programme for spent fuel and radioactive waste management in order to obtain, maintain and to further develop necessary expertise and skills.

**COUNCIL DIRECTIVE 2011/70/EURATOM of 19 July 2011
establishing a Community framework for the responsible and safe
management of spent fuel and radioactive waste**



[A new driver](#)

Foreseen First Actions and Interactions

Actions in 2013:

- A strategy and action plan for CMET for the DP 2011-2016
- Address the accreditation of training concepts using the ECVET approach

Actions in 2014-2015:

- Continue with the implementation of identified actions minimum one per year

Interaction needs:

- ECVET developments and implementation (KSC)
- Recommendations of the SET-Plan EETI assessment report
- EHRO-N work follow-up and applications to Geological Disposal (GD)
- Universities/ENEN, Doctoral Programmes, EFTSs, other TP's...

Implementing Geological Disposal of Radioactive Waste

Technology Platform | Vision document

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Repository
operating
by 2025

RD&D

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10



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