

Implementing Geological Disposal of Radioactive Waste

Technology Platform IGD-TP

Status of work

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Background

The European council has outlined in its decision 2006/976/EURATOM that the emphasis in the Euratom research should be **Implementation-oriented R&D activities on all remaining key aspects of deep geological disposal of spent fuel and long-lived radioactive waste and, as appropriate, demonstration on the technologies and safety, and to underpin the development of a common European view on the main issues related to the management and disposal of waste**



What is a TP?

“bring together R&D-relevant stakeholders with various backgrounds who would develop a long-term R&D strategy in areas of interest to Europe”

“industry lead is important to gain commitment and momentum”.



http://cordis.europa.eu/technology-platforms/home_en.html

Background

During 2006-2007 11 waste management organisations and other bodies responsible for the implementation of deep geological disposal carried out, with the financial support of the European Commission, a feasibility study (CARD) on establishing a technology platform for deep geological disposal.

A broad number of stakeholders were consulted through a questionnaire



Conclusions from the Card-project

A Technology Platform for Implementation of Geological Disposal should establish:

- a forum for discussion of Research, Development and Demonstration (RD&D) issues and priorities,
- a means for sharing RD&D information and results, including information and experience on RD&D planning and management, and
- a mechanism for co-ordinating RD&D on topics of shared interest between programmes and groups of organisations.



Planning for a IGD-TP

- CARD project was finalized and presented at a workshop in Brussels in March 2008
- SKB and Posiva volunteered to lead the continued work to establish a platform.
- An interim executive group was set up (SKB, Posiva, BMWi and Andra)
- Committed organisations: BMWi (DE), Andra (F), Enresa (ES), Nagra (CH) Posiva (FI), SKB (SE), Ondraf (BE), NDA(UK)



Planning for a IGD-TP

- A Vision Document is being prepared, to be finalized during March 2009.
- A broader consultation process will start during April 2009 through (www.igdtp.eu)
- SKB will host an interim secretariat and the interim executive group until the launching of the platform during the end of 2009.



Vision

- **Our vision** is that by 2025, the first geological disposal facilities for the most hazardous forms of radioactive waste will be operating safely in Europe.



Mission

The platform will be a tool to support the confidence-building in the safety of deep geological disposal solutions.

A strategic research agenda, means of working together and a detailed deployment plan will be developed. The platform will facilitate access to expertise and technology, interact with the stakeholders, and communicate the results to the benefit of all of Europe.



IGD-TP - objectives

The main objectives are to initiate and carry out European strategic initiatives to facilitate the stepwise implementation of safe, deep geological disposal of the most hazardous forms of radioactive waste by solving

- scientific and technological challenges
- social challenges
- support the waste management programmes in the Member States

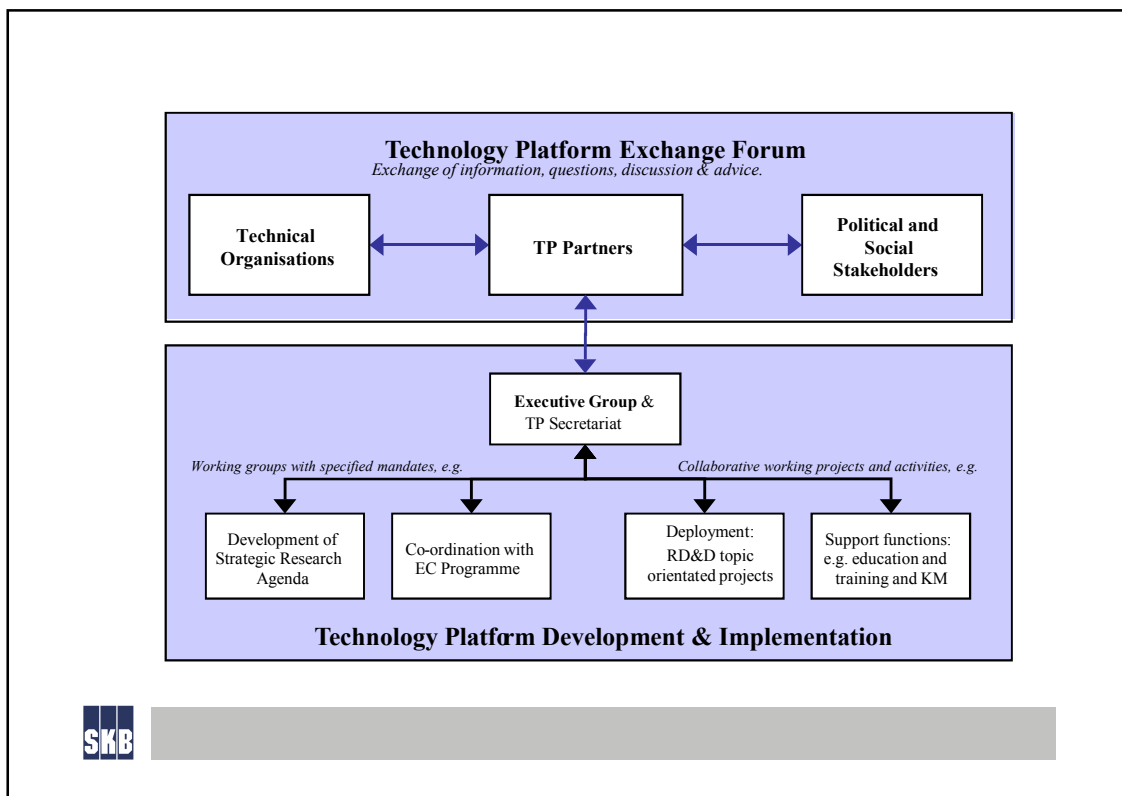


IGD-TP – participation

The IGD-TP will provide opportunities for all interested parties (i.e. waste management organisations, industry, research and academia, technical safety organisations, non-governmental organisations) committed to the vision to influence the planning of:

- research
- development and demonstration activities
- information exchange and knowledge transfer.





Next steps

- The Vision document to be approved by the committed Parties on March 25
- Consultation process starts during April
- Consultation ends June/July and the Vision Document is revised if necessary
- The platform is officially launched late 2009 and the organisation of the Executive group and the secretariat function is established.
- Preparation for the Strategic Research Agenda (SRA) is done in parallel
- A Deployment Plan will be prepared based on the SRA