



European Initiative: Implementing Geological Disposal of  
Radioactive Waste Technology Platform  
**IGD-TP**

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From Vision to Implementation



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## Organisations endorsing the Vision (at the end of 2009)



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## 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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## Current participants (End of May 2010)

- Belgium: **ONDRAF**, AREVA, CEN-SCK, Eurogeosurveys
- Czech: **RAWRA**, Czeck Technical University Prague
- Finland: **POSIVA OY**
- France: **ANDRA**, CNRS, INPL, GEM, INERIS, INRIA, UTT, Université de Versailles St Quentin
- Germany: **BMWi**, BGR, DBE Tec, FD R, F Julich, GRS, GNS, IELF-TUC, KIT, S&B Minerals, U.Freiburg
- Greece: S&B Industrials & Minerals
- Hungary: **PURAM**
- NGOs: Greenpeace
- Italy: ENEA
- Netherlands: **COVRA**, NRG
- Romania: CITON, IFIN-NH
- Spain: **ENRESA**, AITEMIN, Amphos XXI, CIEMAT, Ingemisa, UPM
- Sweden: **SKB**, Nova Fou, Stockholm University, Studsvik
- Switzerland: **NAGRA**
- UK: **NDA**, BGS, Cardiff U., Loughborough U., NNL, Galson Sc.



To join: [www.igdtp.eu](http://www.igdtp.eu)



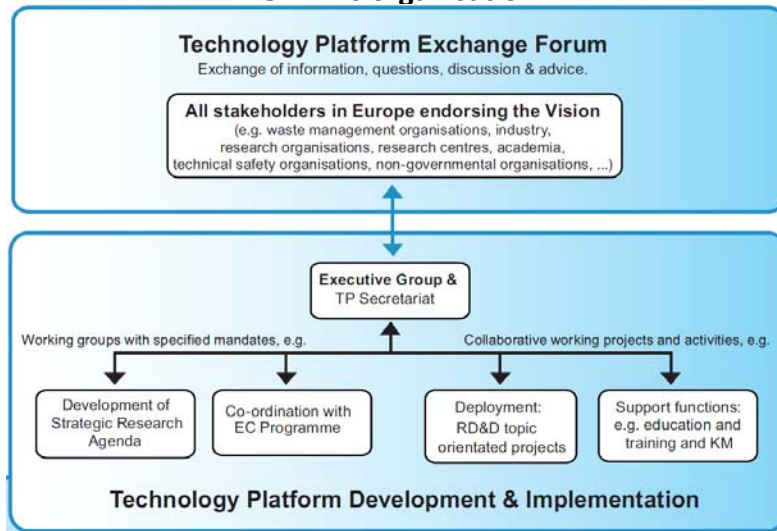
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## IGD-TP's organisation



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Source: IGD-TP's Vision Report

## Main tasks to be accomplished during the next two years



**Vision Report  
2009 (done)**

**Strategic Research Agenda  
2010**

**Deployment Plan  
2011**

RD&D priorities  
for licencing and  
implementation

forms of joint  
work and activities



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## Why to join?

*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.*

**Next step is to define a Strategic Research Agenda (SRA)**



**SRA:** How to achieve the Vision Report's goal?

- Identification of research, development and demonstration (RD&D) areas and needs

- Prioritizing RD&D needs



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## Benefits to industry and to research organisations

- Have a collective and more **influential voice** at the European level
- Have an unequalled chance to be kept informed on the developments and future needs, and to **prepare programmes**
- Contribute to the **defining of key projects** for funding by all interested parties



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## Benefits to all stakeholders

The SRA is an important step for

- Communicating the remaining research needs
- Creating synergies, co-operation, co-ordination within the IGD-TP, and with activities taking place in other technology platforms and within other international co-operation forums



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## Next steps

- **Define the Strategic Research Agenda 2010**
  - Seminar 16 June 2010 to discuss the content of the SRA document, consultation foreseen by middle of September 2010
  - First Exchange Forum at the end of 2010 or beginning of 2011
- **Implement the Strategic Research Agenda**

Stakeholders **implement the Strategic Research Agenda** with the mobilisation of significant human and financial resources.

- Possible influence on future FP calls



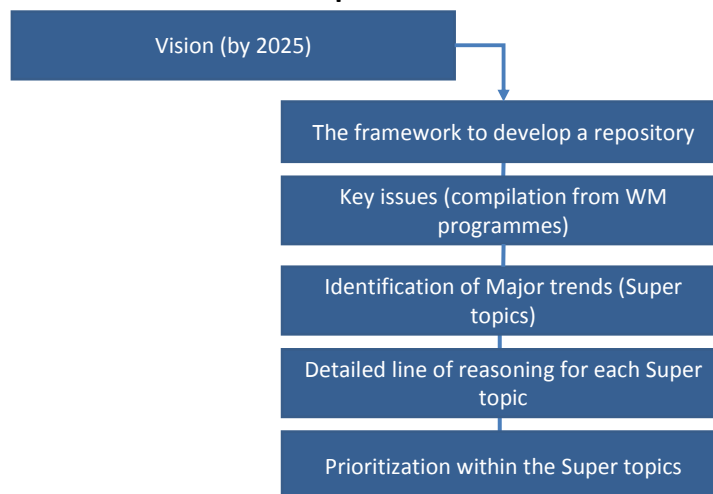
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## SRA process



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## How to join?

- Joining a platform is not a simple decision. It is a commitment:
  - To participate to the work performed in the framework of the platform
  - To share views and works for the Vision
- Joining the IDG-TP platform is simple
  - To endorse the Vision
  - To send an application form to the Secretariat

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## Conclusion

- Solutions are available to achieve safety with SF and HLW
    - Geological disposal
- Key research areas are identified for further improvements
- Long-term stability of the waste forms, thermal load, gas generation and effects
- IGD-TP was launched to organize research programmes between EC member states
- Coordination with other platforms and programmes



*Partitioning and transmutation can provide help in optimizing disposal solutions*



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