



CIRTEN

Interuniversity Consortium for Technological Nuclear Research

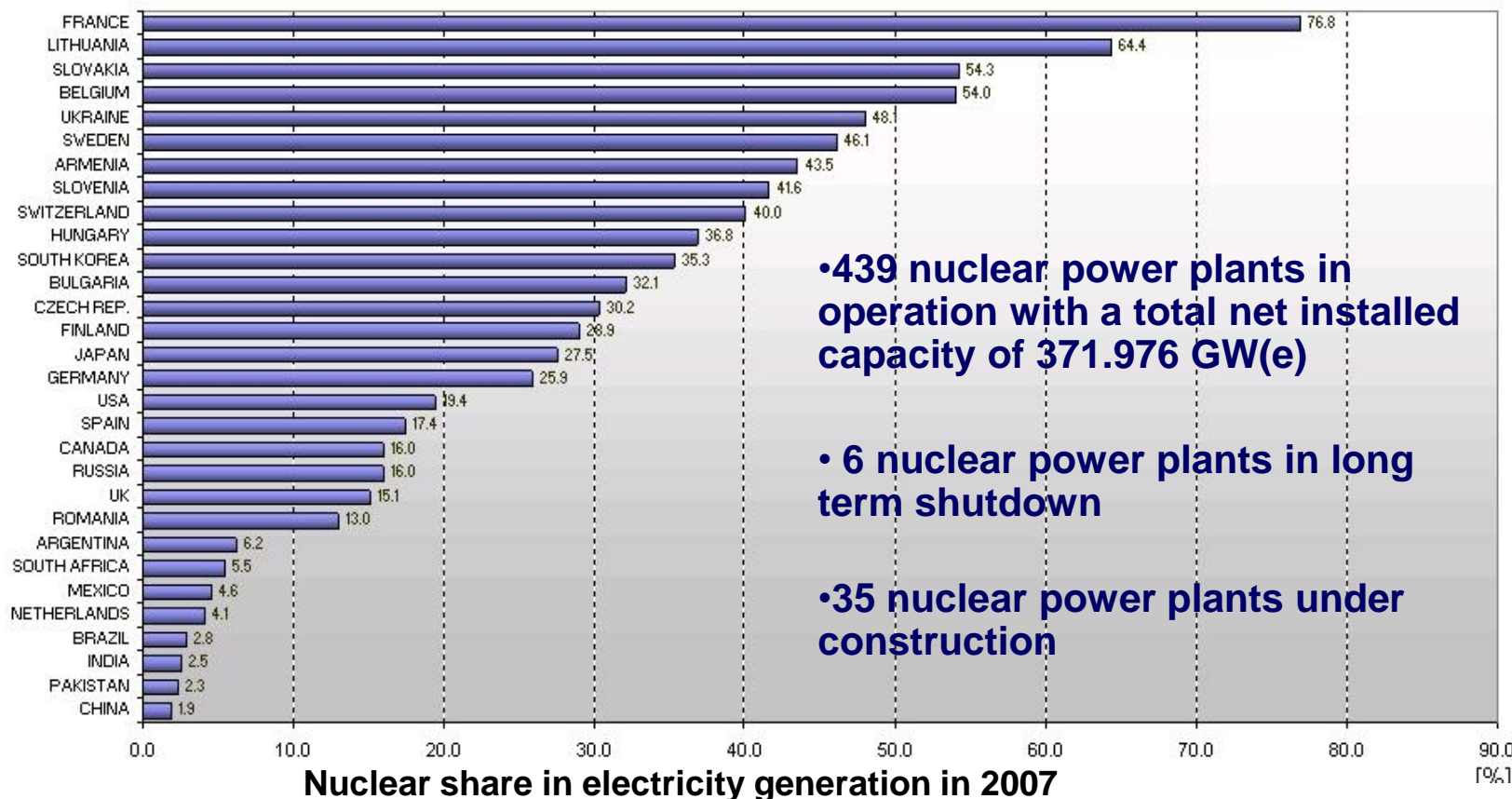
IGD-TP Exchange Forum meeting

Added value of the SRA to the IGD-TP members

IGD-TP Exchange Forum meeting February 8, 2011

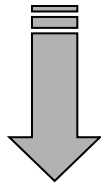
Scenario of the nuclear engineering

446 worldwide nuclear reactors supply approximately 17% of the total electricity (24% in the OECD Countries and 35% in Europe).



...How to manage RWs ??

... some wastes can remain radioactive for hundreds or thousands of years, while others may require storage for only a short decay period prior to conventional disposal...



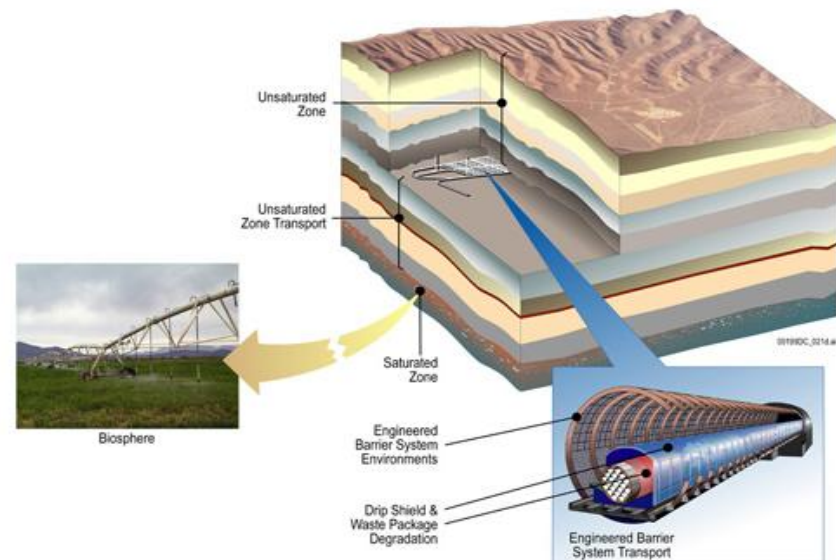
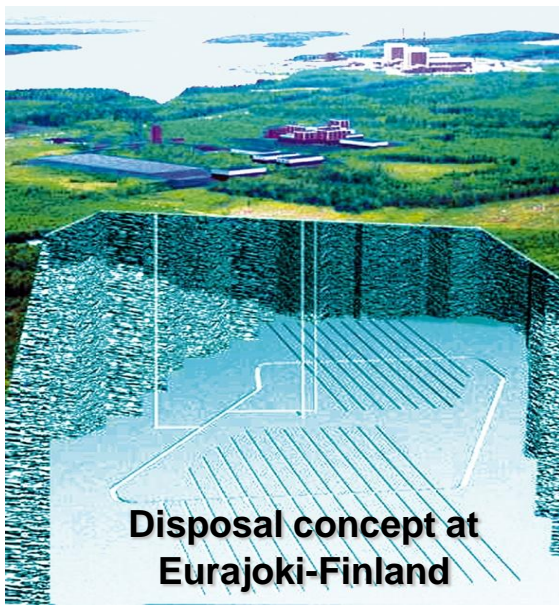
Assuring the protection of the population, workers and environment;

Reducing the impact of RWs disposal on future generations.



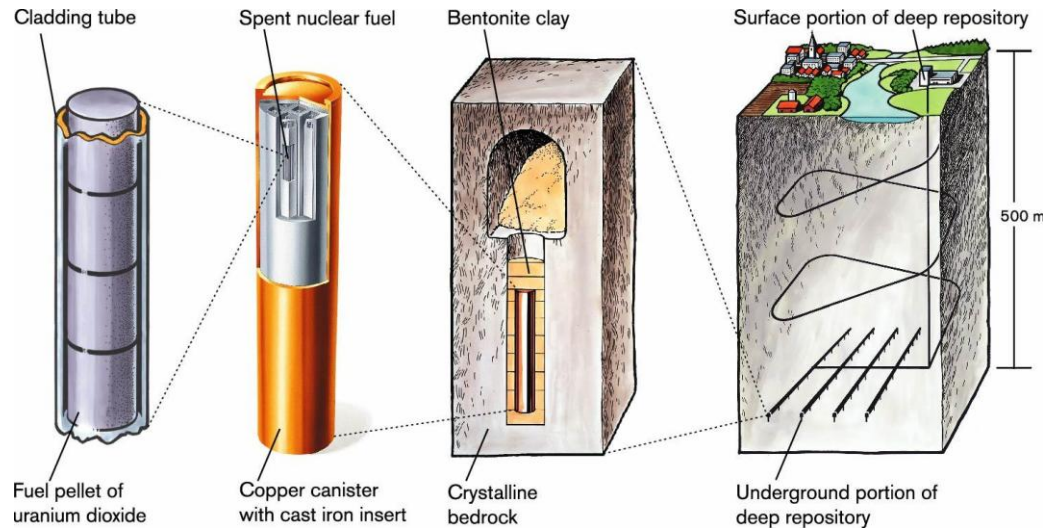
Members vs. IGD-TP initiatives (1/2)

1. Sharing WM approaches and strategies to be used in the National RD&D geological depository programs.
2. Sharing the scientific and technical knowledge, e.g., through joint projects and specialist meetings (particularly on RW safety issues).



Members vs. IGD-TP initiatives (2/2)

3. Promote the maintenance of competence by promoting the education and the formation of engineers and technical persons;
4. Making communication on WM at all stages to increase the public acceptability of the geological disposal.



Scientific information in force to the GD safety aspects may increase public acceptance of nuclear energy



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Added value of the SRA to the IGD-TP members

The European strategic initiatives may facilitate the implementation of safe, deep geological disposal

The IDG-TP offers the possibility to build up of knowledge and experience necessary to support the waste management programmes in the Member States

To promote the Member States cooperation on the scientific, technical and societal issues for the safe and timely implementation of the first geological disposal facilities (i.e. Italy).



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How members can contribute to IGD-TP?

Definition of safety and technical competences particularly in vision of the development of national strategy of GD

Promoting at national and international level scientific and technical research activities,

Maintenance of high level of education to sustain/ support platform activities in the long term

Promote dissemination of research activities results in NE fields in vision of public acceptance.

How members can contribute to IGD-TP? The role of CIRTEN

CIRTEN (Pol. of Milano and Torino, Univ. of Bologna, Padova, Palermo, Pisa and Roma1) has acquired a great experience in the safety issues of component and in the assessment of risk to be spent in supporting SRA and as drawback the Italian MSE in the WM (in collaboration with ENEA and Sogin).

