



European Roundtable on information and public participation in the field of Radioactive Waste Management CZ current state

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SÚRAO

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- State administrative body
- Established by the Ministry of Industry and Trade in 1997 according to Act No. 18/1997 Coll. (the Atomic Act, today No. 263/2016 Coll.)

Mission

- **to ensure the safe disposal of radioactive waste** in accordance with the requirements of nuclear safety and human and environmental protection

Role of SÚRAO

- Ensure sufficient capacity for the disposal of low- and intermediate-level RAW
- Select a final site for a future deep geological repository (DGR)
- Ensure transparent public awareness of all activities related to the safe disposal of RAW, and DGR development.

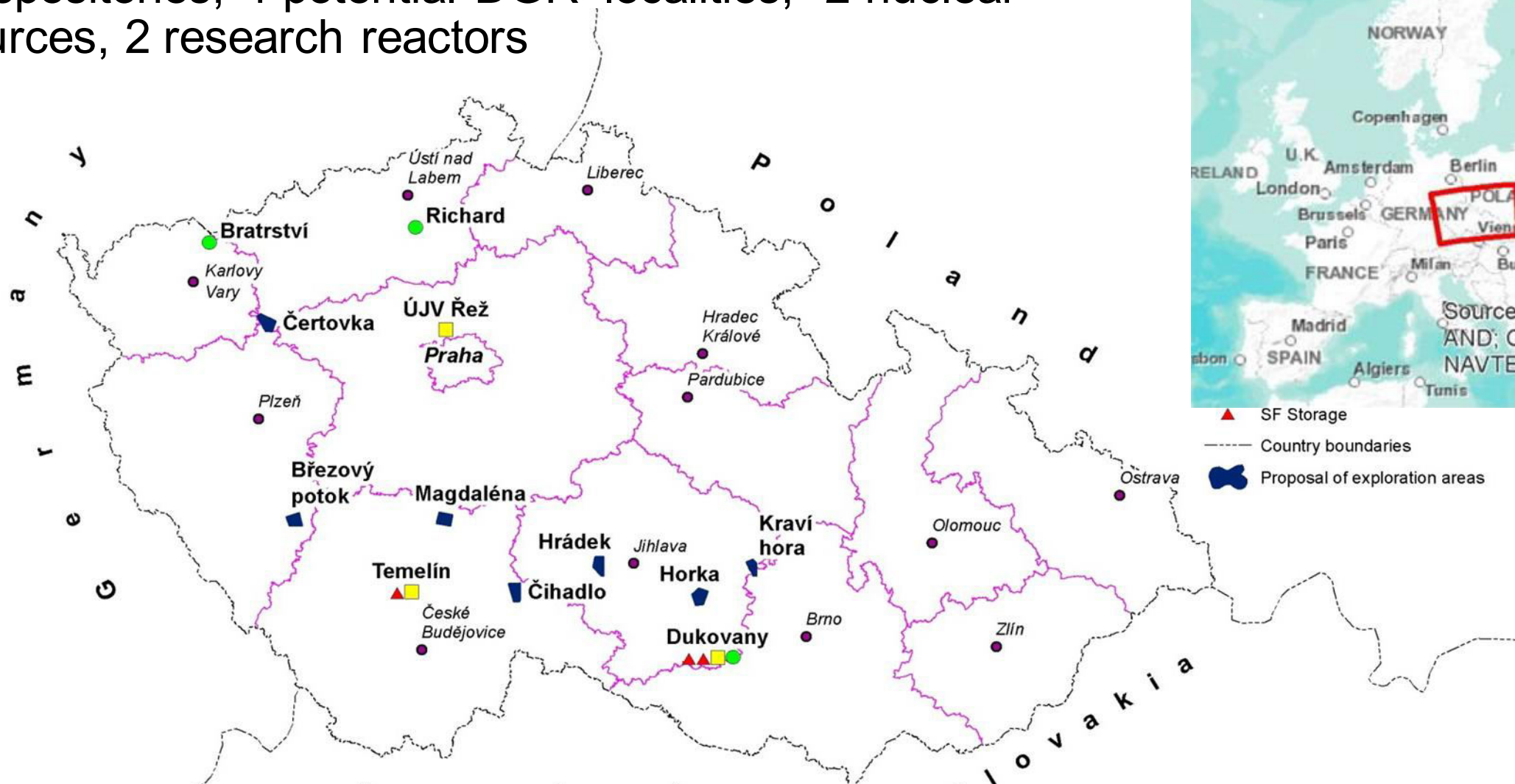
Principles

- State responsibility of safe disposal of RAW
- Producers are responsible for safe management
- Operators of Nuclear facilities are responsible for decommissioning and for creating financial reserve



Situation in Czech republic

3 repositories, 4 potential DGR localities, 2 nuclear sources, 2 research reactors



- ▲ SF Storage
- Country boundaries
- Proposal of exploration areas

Operated repositories

Richard

- Since 1964, LLW/ILW, 10 000m³
- Institutional waste



Bratrství

- Since 1974, LLW/ILW, 1 200m³
- Naturally occurred radionuclides



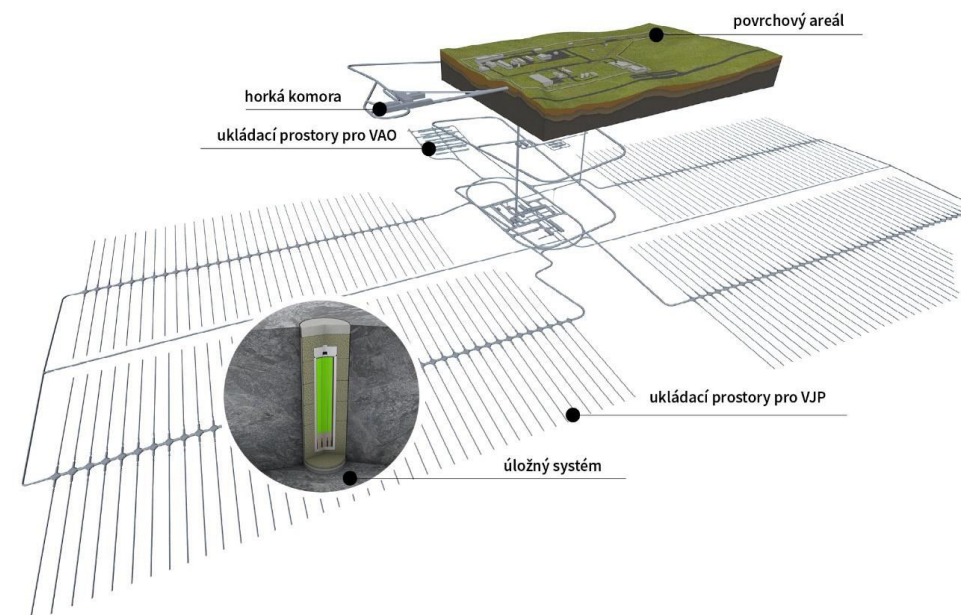
Dukovany

- Since 1995, LLW/ILW, 55 000m³
- RAW from NPP operation



Deep geological repository project

- Estimated inventory 9 500 T of SNF, 4500m³ of HLW
- Underground part (approx. 3km²), surface area (10-20 ha)
- Depth 500 m
- Multibarrier concept
- Rock – bentonite sealing – steel-based canister (concrete canister)
- Legislative requirements 263/2016 (Atomic Act) and 378/2016 (Decree on the Siting of Nuclear Installations)



2020: reduction of number of potential sites from 9 to 4

Stakeholder involvement - operating repositories

Local control comitee

- 2015-2017 Establishing in each repository site
- Main aim: increasing of public awareness about operation of each repository
- Members: local communities and region
- Cooperation with local information centre
- Cooperation with safety assesment

Stakeholder involvement – deep geological repository

Working group for dialogue (2010-2017)

- Established in November 2010 – national stakeholder group – advisory body
- ***The mission of the Working Group is to ... find ways in which to involve the public (local government, NGOs) in terms of information provision and the decision-making and legislative processes concerning the preparation and implementation of the deep geological repository project. (from Status 2015)“***
- Debate on the Concept of Radioactive Waste and Spent Nuclear Fuel
- Extension of tools to inform and for the equitable distribution of compensation in the localities
- Establishing cooperation with foreign organizations of similar type as the WG for Dialog
- Collection of information and its distribution among the public
- Results: financial compensations for exploration activities for communities, proposal of new law for public engagement for site selection, discussion about site selection criteria

Stakeholder involvement – deep geological repository

Expert advisory board

- Site selection process 2019-2020
- Ensure the transparency of the site assessment process and to guarantee its objectivity, impartiality and high level of professionalism
- Aim: to guarantee the expertise, accuracy, objectivity and openness of the process surrounding the reduction in the number of candidate sites for DGR construction and to ensure the effective communication of the technical outputs at the level of the relevant decision-making processes



Stakeholder involvement – deep geological repository

Expert advisory board

- The composition of the expert advisory panel reflected the assessed criteria areas with respect to the site assessment process and the various institutions involved.
- Representative of the municipalities concerned was also nominated to sit on the member of the expert advisory panel.
- Observers: representatives of the municipalities concerned (two for each site) and representatives of the State Office for Nuclear Safety were nominated as non-voting observers.
- Results: review of all materials concerning the site selection (more than 200 comments), final report and increasing of public awareness and recommendation for further steps



Stakeholder involvement – deep geological repository

Future (2021-2030)

Local working groups (4 sites)

- Local level
- Communities engagement
- Information platform for communities (monitoring, site characterization activities)
- Discussion about local aspect of repository (eg. surface area, operation)
- Under preparation

Stakeholder involvement – deep geological repository

Future (2021-2030)

Board for selection of final and backup site

- Government level
- Expert advisory board for selection final and backup site
- 10 years of operation
- Ensure transparency, and high level of professionalism in site selection process
- Include all relevant stakeholders
- Under preparation



Thank you for your attention

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