



Welcome to JOPRAD Mid-Term Workshop

National context

Goals of the JOPRAD Mid-Term Workshop

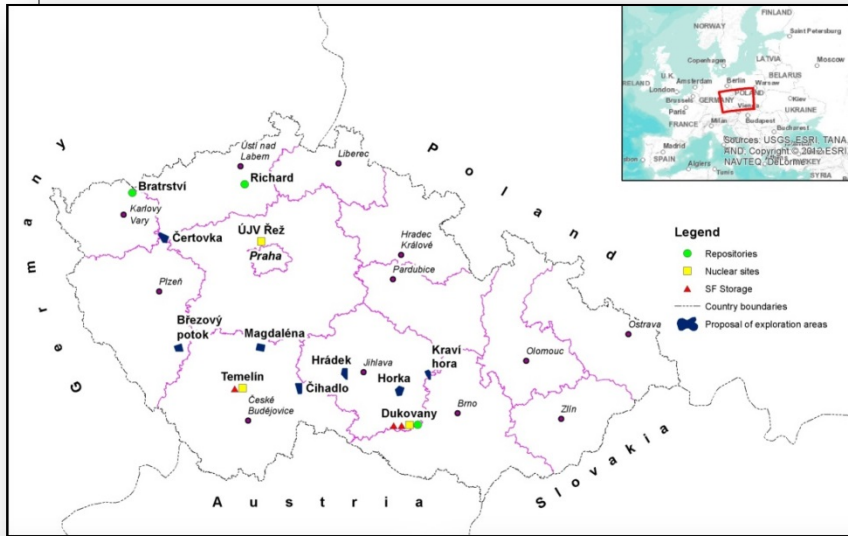
SÚRAO – Radioactive Waste Repository Authority

Jiří Slovák

Managing Director

JOPRAD – Mid-Term Workshop, Prague, 7-8 September, 2016

The Czech Republic National Context of DGR Development



2002 – Government approved the **first CZR RAWM concept**

12/2014 – Government takes into account the **Update of the RAWM Concept (Policy)**

- final approval - SEA – public hearings expected in the first half of 2016

5/2015 – Government approval of the **Update of the National Energy Strategy**

- 4 new NPP units (Dukovany 2 + Temelin 2)
- **2025 start of new NPP construction**
- Commissioning between 2033 - 2037

9/2015 – started the 1st stage of **geo. surveys for a DGR at 7 sites**



Direct SNF disposal in a DGR

- **2020** – Two suitable sites = **Two candidate sites**
- **2025** – **Selection of final site** (and alternate)
- 2030 – Construction of URL
- **2065** – **DGR Commissioning**

Responsible
solution

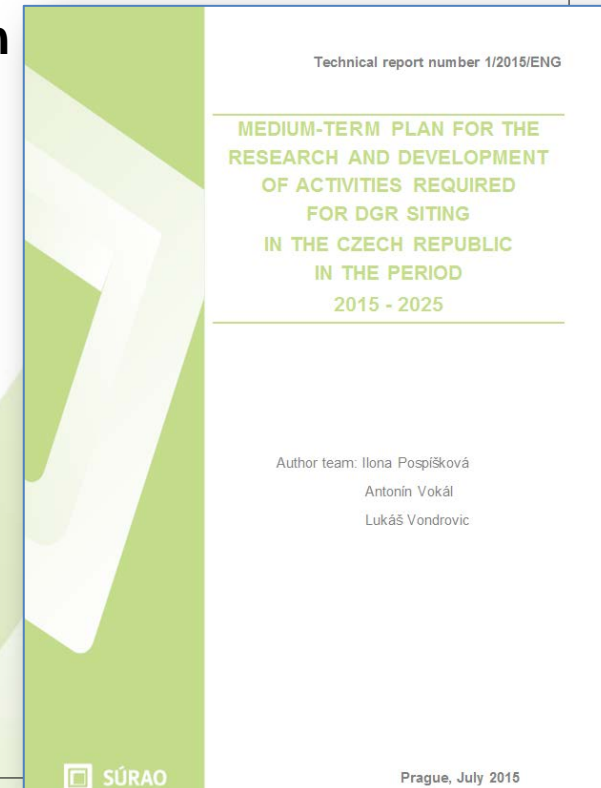
Till 2050 - time to
reach Responsible
Decision

Stages and Activities of DGR Siting

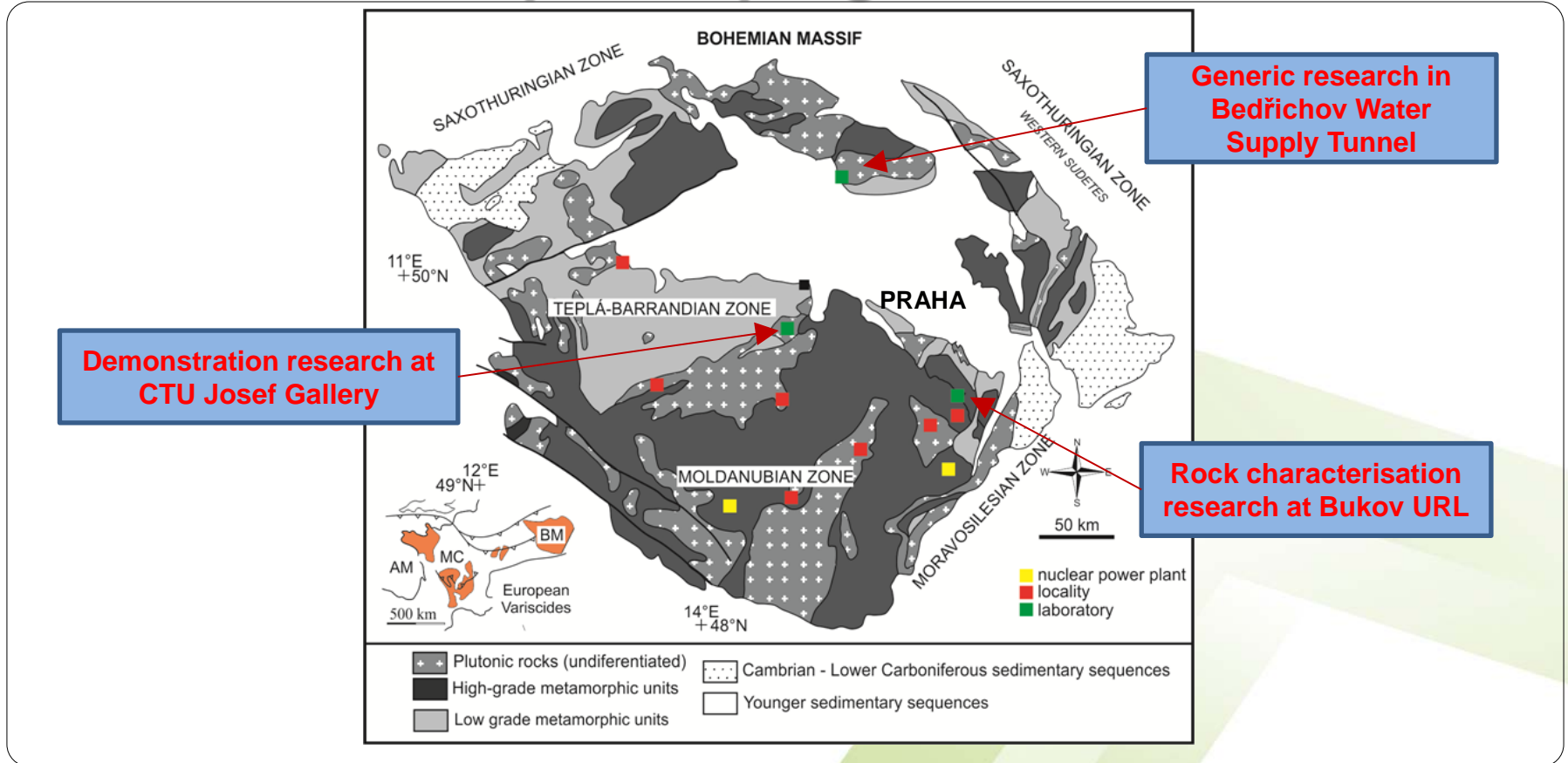
STAGE	ACTIVITIES / DECISION MAKING DOCUMENTS	No. OF SITES	SCHEDULE
<p>Areas Reduction + Tentative sites selection</p>	<ul style="list-style-type: none"> • Surface geological investigation • Boundary of host rock massive determination • Estimation of faults and fracture zones with deep water circulation • Prefeasibility studies updating • Safety cases - used only generic data • Public opinion poll – on site and regional studies 	<p>7 preselected sites</p>	<p>2013 - 2016</p>
<p>Two Candidate sites selection</p>	<ul style="list-style-type: none"> • Geological investigation using drilling • Boundary of host rock massive in the depth • Preliminary host rock characterisation • Site specific feasibility studies • Preliminary site specific safety cases • Local municipalities statements 	<p>4 potential sites</p>	<p>2017 - 2020</p>
<p>Final site selection</p>	<ul style="list-style-type: none"> • Detail geological investigation (borehole drilling) • Detail host rock characterisation • DGR's Site specific design • EIA studies • Site specific Safety cases • Local municipalities statement 	<p>2 candidate sites</p>	<p>2020 - 2025</p>

Main Objectives of the Programme in the period 2015 - 2025

- To support the siting programme for the selection of the most suitable candidate sites for DGR siting
- To adapt a DGR design suitable for candidate sites
- To support the Safety Case of the disposal concept and its adaptation at the selected sites
- To support environmental impact assessments
- To facilitate the communication of the results to stakeholders and increase DGR acceptability



The role of URL research in the DGR development programme



Current International Information Exchange and Cooperation in RAWM



An important assumption for successful and credible site selection

General level – exchange of information

- ✓ Club of Agencies
- ✓ Regular Bilateral Meetings with Germany and Austria – nuclear safety and RAWM

Cooperative level

- ✓ MoU - ANDRA
- ✓ Cooperation Agreement NAGRA, Posiva, GRS
- ✓ IGD TP membership

Technical level

- ✓ SKB – technical support of new CR Reference design 2011
- ✓ Participation in international projects
 - ✓ IGD TP / DOPAS, CEBAMA, Modern, Cast, Petrus II, **JOPRAD**
 - ✓ Nagra / GTS – LTD, MaCoTe, Lasmo, FEBEX DP
 - ✓ Decovalex 2011, 2015, 2019, **EBS Task Force**
 - ✓ NEA/OECD – FSC, IAEA – URF network,

Objectives of JOPRAD project



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The overall aims of the JOPRAD project are to assess the feasibility and, if appropriate , generate a proposal for Joint Programming in the field of Radioactive Waste Management



Objectives of the MTW

- To provide a forum for discussion on the different options for jointly establishing and implementing a Joint Programme
- To reach a common vision on the way forward to prepare and implement Joint Programming between Member States at EU level

Session 1:

- **Context and objectives of Joint Programming (presentations)**

Session 2:

- **Joint Programming – the way it could be implemented (presentations)**

Session 3:

- **How the priorities have been identified and how the programme will be established (presentations)**

Session 4:

- **Way ahead (discussion)**

Session 5:

- **Conclusion – Decision on the way forward (discussion)**

After having presented our vision for a Joint Programme we will ask you:



- **Are you ready** at this stage **to start** discussion at national level in order to engage in this **Joint Programme?**
- **Do you need** anything from the JOPRAD consortium **to support your national discussion?**



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Thank you for your attention

slovak@surao.cz