

IBRAE

# **Activities of the Russian Nuclear** Safety Institute in the context of deep geological disposal safety

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## **Russian Deep Geological Disposal Facility**

- Long-term Strategy for the DGDF in Nizhnekansk rock mass approved in 2017:
- all stages of the DGDF lifecycle (design, construction, operation and closure),
- includes relevant RD&D activities in the URL.
- Research program developed by IBRAE
- is cornerstone of DGDF safety case
- IBRAE is technical and scientific
- support organization for Rosatom

#### Main research directions

- Safety analysis of nuclear facilities
- RW and spent nuclear fuel management, decommissioning
- and remediation of territories
- Impact on the environment and population
- Radiation monitoring systems
- Computer codes
- Decision-support system for radiation incidents and accidents

### Background

Nuclear Safety Institute of the Russian Academy of Sciences (IBRAE RAN) was founded in 1988 by the special Governmental Decree After the Chernobyl accident. Purpose: basic safety research and independent nuclear and radiation safety analysis

