



Bundesamt
für die Sicherheit
der nuklearen Entsorgung

Choosing the Key Topics for Nuclear Safety Research - German Insights

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Phasing-out after decades of operation

- 3 NPP in operation, more than 20 under decommissioning.
- Interim storage of nuclear fuel on site
- Phase I of Site Selection Process for HAW disposal
- Konrad facility for LLW and MAW under construction.
- LTO and new builds in neighbouring countries and worldwide

Research challenges in times of phase-out

- For the disciplines
- For interdisciplinary interaction
- Structurally



Implications

- Nuclear Disposal is part of a social transformation
- Regulatory safety research in Germany addresses all areas of nuclear facility safety, waste management and disposal as well as public participation and international developments
- Evaluation ongoing to match extensive German research programme to needs of country's programme

BASE research is a contribution to continuous learning and informing independent regulatory decisions:

- Natural sciences and technology
- Social-technology
- Social sciences
- Intersciplinarly interaction



Observations

- When developing so-called new reactor technologies and designs, safety research needs to address all phases of the lifecycle of a facility, including implications on waste management and disposal.
- Regulatory research in Germany aims to strengthen regulatory decisions in an interdisciplinary, trustworthy, self-reflective manner. It contributes to the legal obligations of a learning process in the field of disposal.
- There is a need for international networks for the safety research of regulators – especially in the field of waste management and disposal.

