



Institutional strength-in-depth in the context of decommissioning and learning from incidents (ORSAPP)

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Meanings related to decommissioning

MEAE: Finnish reputation and the social acceptability of nuclear power

- ✓ Reputation and credibility of Finland as a country of high technology
- ✓ Posiva as the world's first disposal for spent nuclear fuel
- ✓ Social acceptability of nuclear power in Finland

STUK: Safety and pragmatic aspects

- ✓ Updating STUK Regulations
- ✓ Continuous learning process
- ✓ International level: each country has its own practices to implement decommissioning => emphasis on own solutions and decision-making

Power company: Good management of decommissioning

- ✓ Responsibility and preparedness for decommissioning
- ✓ Trust in decommissioning plans
- ✓ Decommissioning business as a tool for motivation and learning

Strengths related to decommissioning in Finland



YVR FUNDING MECHANISMS



Deco plans



FINAL DISPOSAL



STUK
Regulation updates

MEAE
NEA §
update,
Collaboration
JETI,
VYR

CASE 2. INCIDENTS INVESTIGATIONS

§ Organizational perspective

Goal: To learn from minor incidents

§ Instrumental rationality § Responsive reflexive rationality

§ Procedures and tools

Assumption: Incident reports as a relevant source of learning

§ => Inadequate learning

Development

Conclusions

- § Finnish nuclear community is relatively robust as regards the characteristics of ISiD.
- § In order to enhance the robustness of Finnish nuclear community in the preparatory phase of decommissioning, it would be important to develop risk management towards taking better into account qualitative risks and critical points such as organizational and motivational aspects.
- § Learning from minor incidents, and from the organizational perspective, is constrained by instrumental rationality.
- § Learning from incidents could be enhanced by adopting reflexive responsive rationality that would require sensitivity to broader social context, group dynamics power relationships, and sociotechnical aspects.