



Breakout Session 1

Risk Assessment Network

- CO₂ leakage not the only source of risk associated with CCS
- Brine displacement and drinking water
- Co-contaminants e.g. Sulphur species
- Mobilisation of e.g. heavy metals and potential risks associated with leakage
- Earthquake inducement



Breakout Session 1

Risk Assessment Network

- Risk assessment versus risk management
- Variations in regional approaches to risk management e.g. between Australia vs Europe or North America
- OSPAR ruling on no additions to injectate
- Timescales (cf Rick diagram). Site specific?
- Risk and vulnerability criteria: knowledge gap



Breakout Session 1

Risk Assessment Network

- Debate regarding risk vs uncertainty
- Debate about the relative merits of different types of risk assessment – qualitative, semi-quantitative or quantitative
- Communication of risk requires quantification to build confidence
- Use of worse case scenarios rather than probabilistic risks
- Expert panel



Summary

- Network has identified knowledge gaps and helped direct research efforts
- Not enough work done of risk management and mitigation strategies



IEA Greenhouse Gas R&D Programme





IEA Greenhouse Gas R&D Programme

