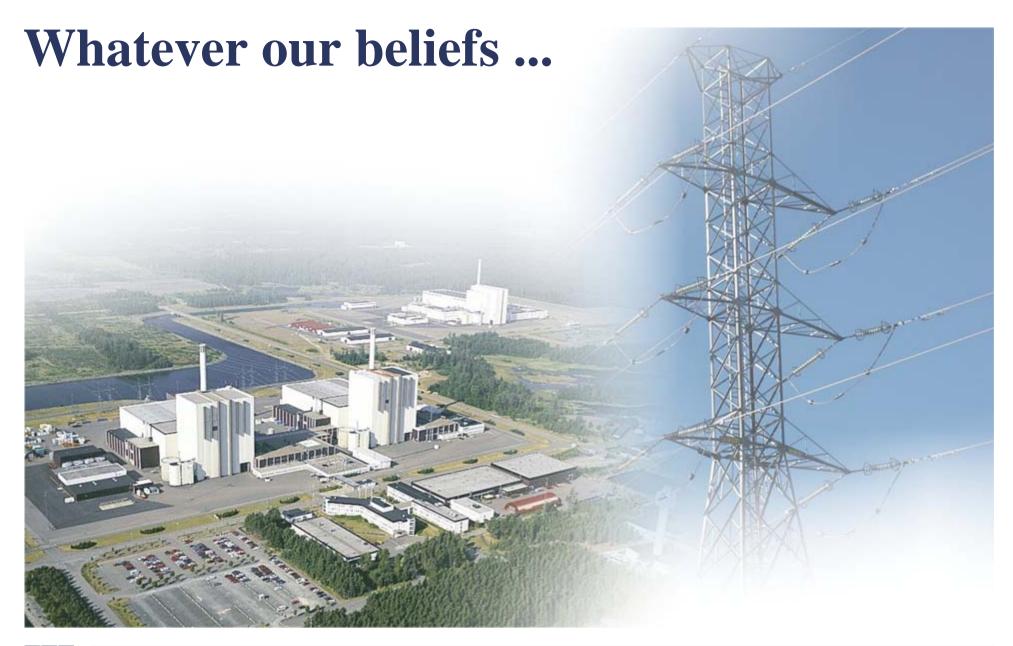
Swedish Nuclear Fuel and Waste Management Company



Svensk Kärnbränslehantering AB

Saida Laârouchi Engström, Vice President





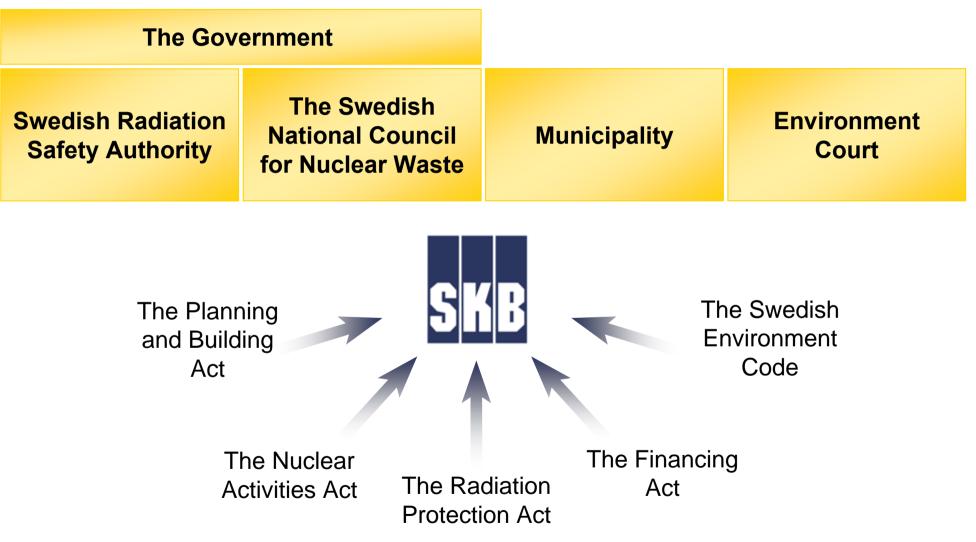


Nuclear power in Sweden

- Sweden has ten operational nuclear reactors.
- The nation's largest power stations. Forsmark, Oskarshamn and Ringhals generate about 50 percent of Sweden's annual electricity consumption.



Authorities and legislation





Operational systems



Different kind of waste – different solutions

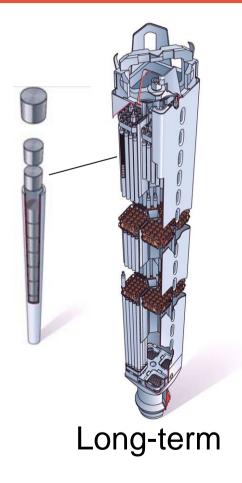
Operational and decommissioning waste





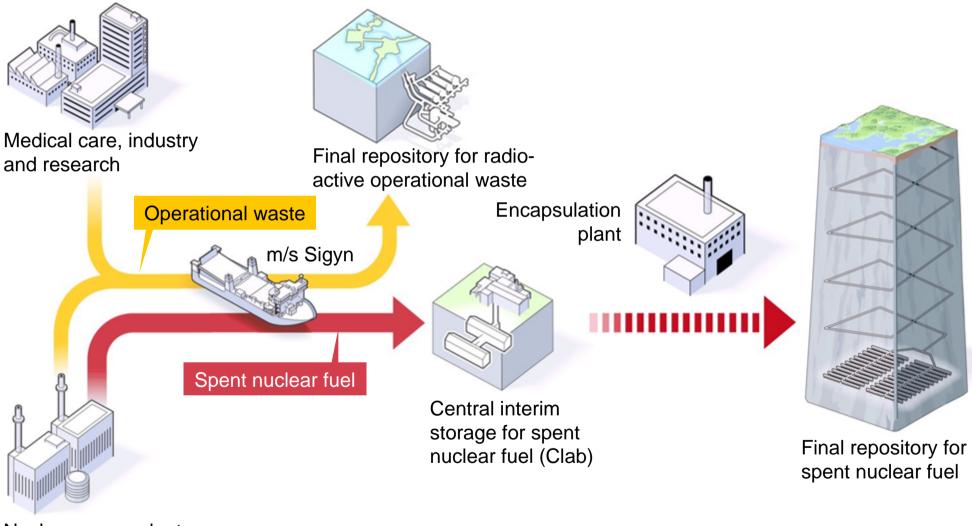
Low- and intermediate level

Spent nuclear fuel





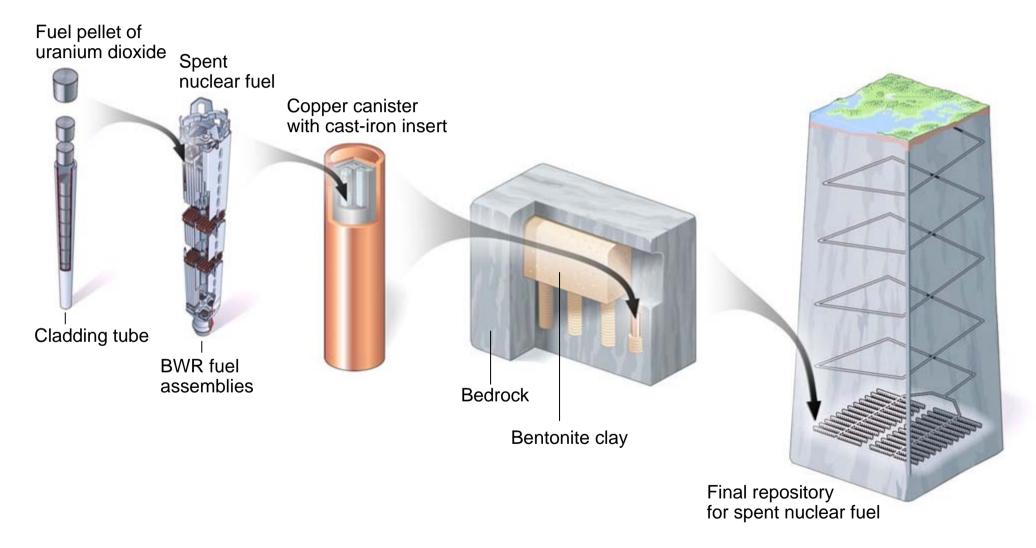
SKB's system



Nuclear power plant



Our method





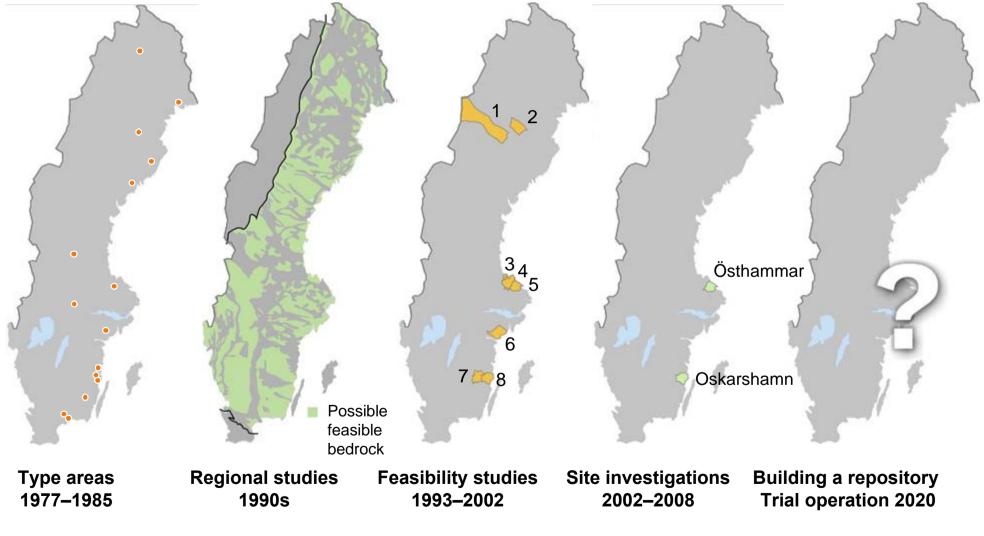
The future final repository

- Repository depth: 400–700 m
- Underground facilities: 2–4 km²
- 6,000 canisters

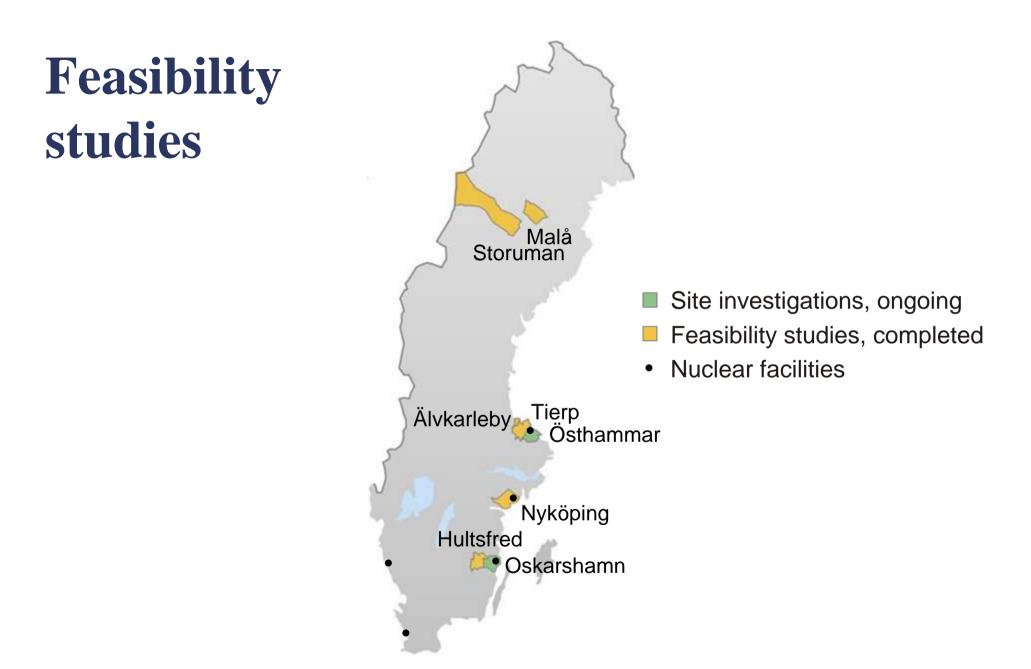




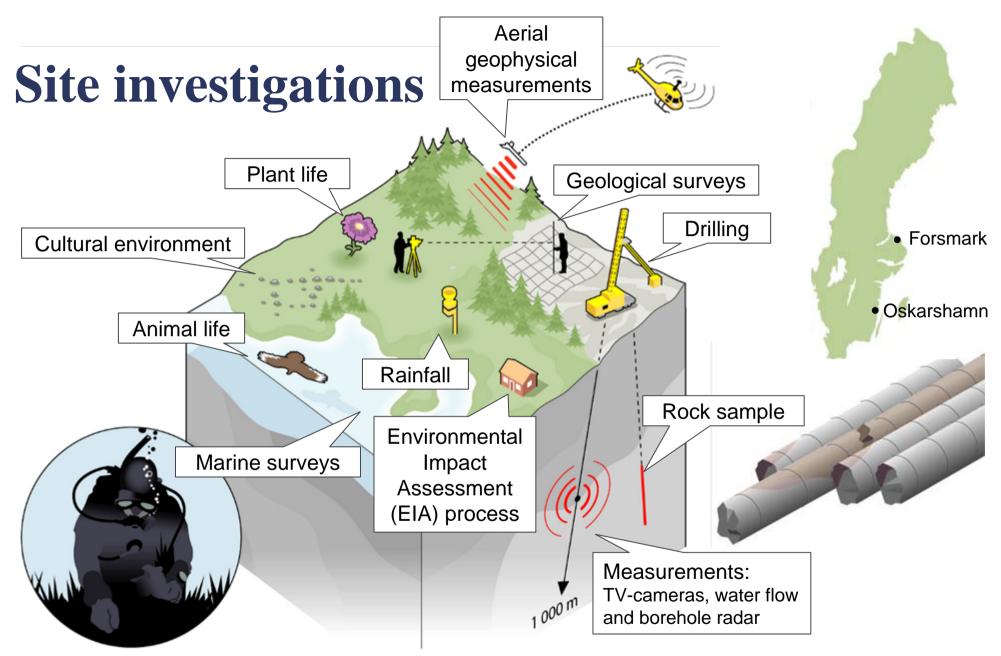
Finding a site











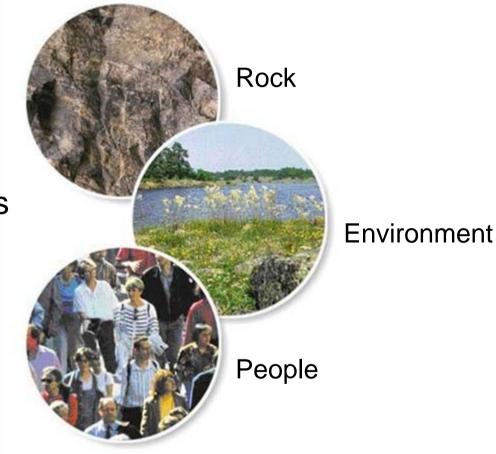
Graphic art: Mats Jerndahl



Site investigations

Focus on:

- Long-term safety
- The impact of the operations on the environment
- Impact on society





Site selection



Site selection



- I. SKB will select the site that is judged to provide the best opportunities to achieve the purpose of the project, i.e. the safe long-term storage of spent nuclear fuel
- II. If ranking according to I) is not decisive, we select the site that from other aspects is judged to be the most favourable for accomplishing the project



Final repository Forsmark or...



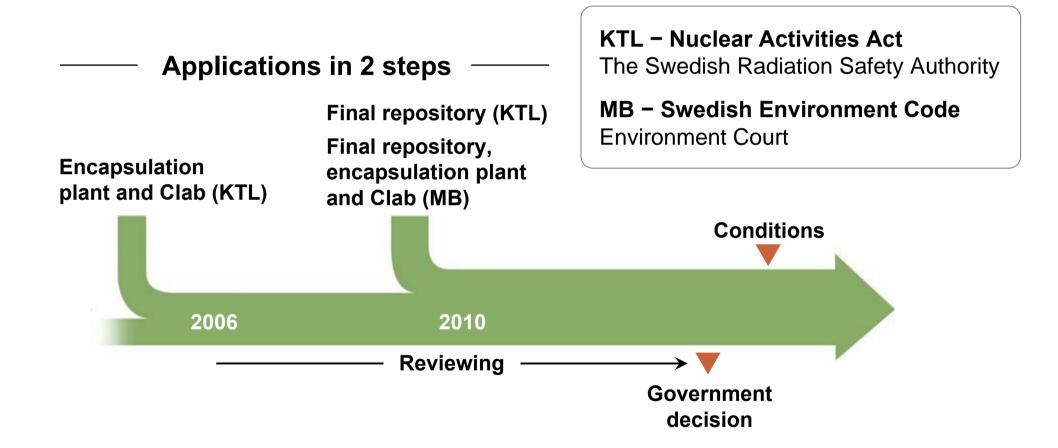


Final repository Oskarshamn

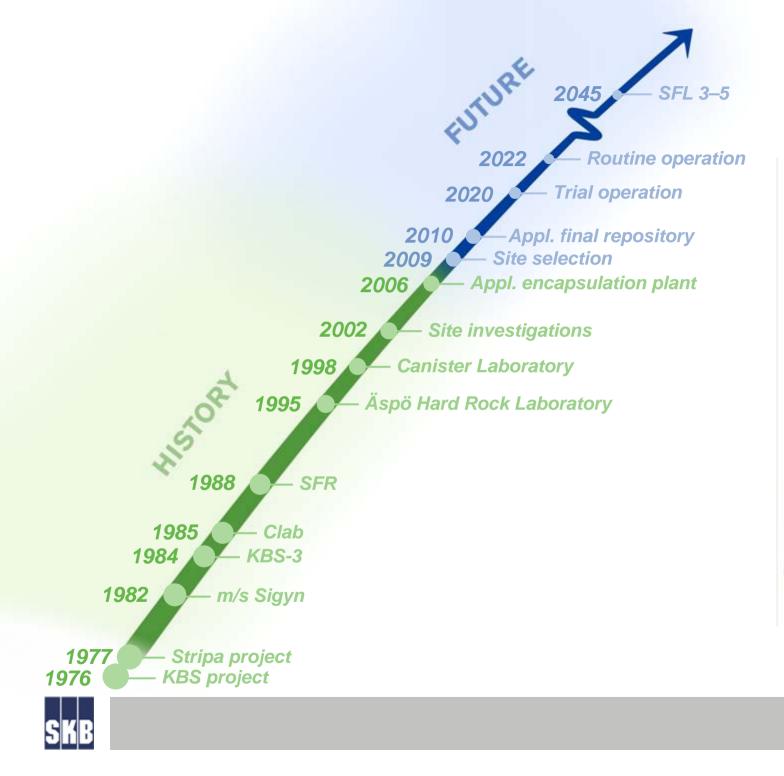




Applications – reviewing – decision









Dialogue with stakeholders



Talking to the local people



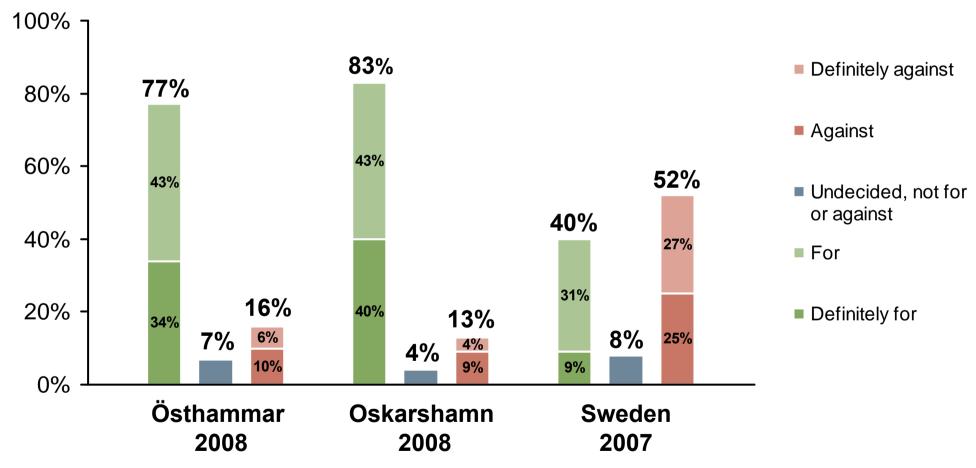


Talking to the local people





Final repository in own municipality? Opinion 2008



Source: Synovate

