

**Swedish Nuclear Fuel
and Waste Management Company**



Svensk Kärnbränslehantering AB

Saida Laârouchi Engström

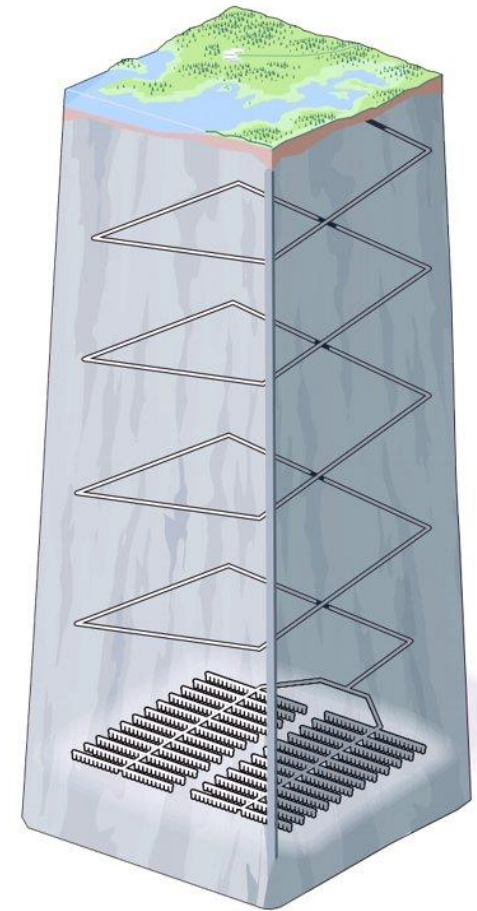
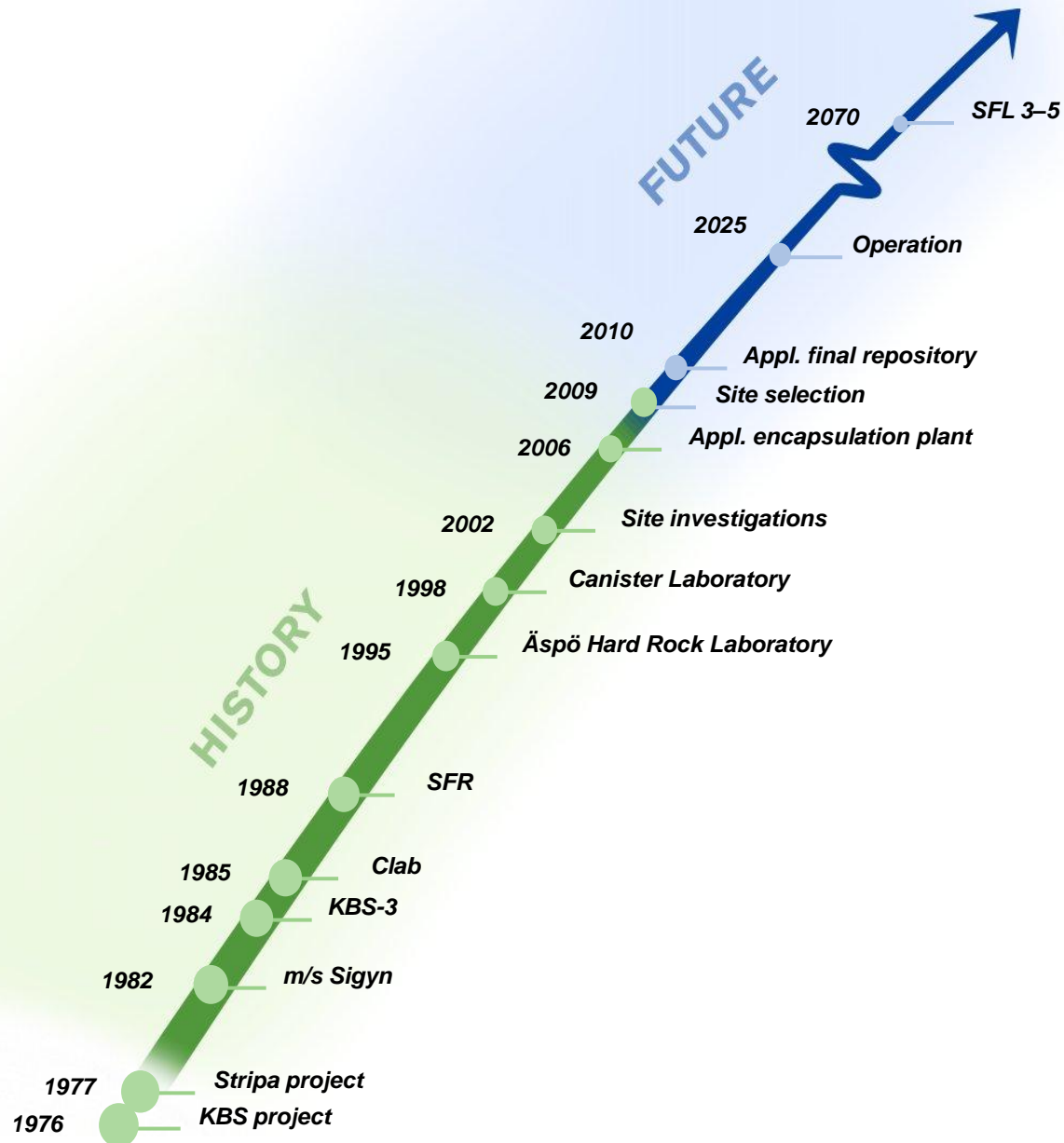
September 2010



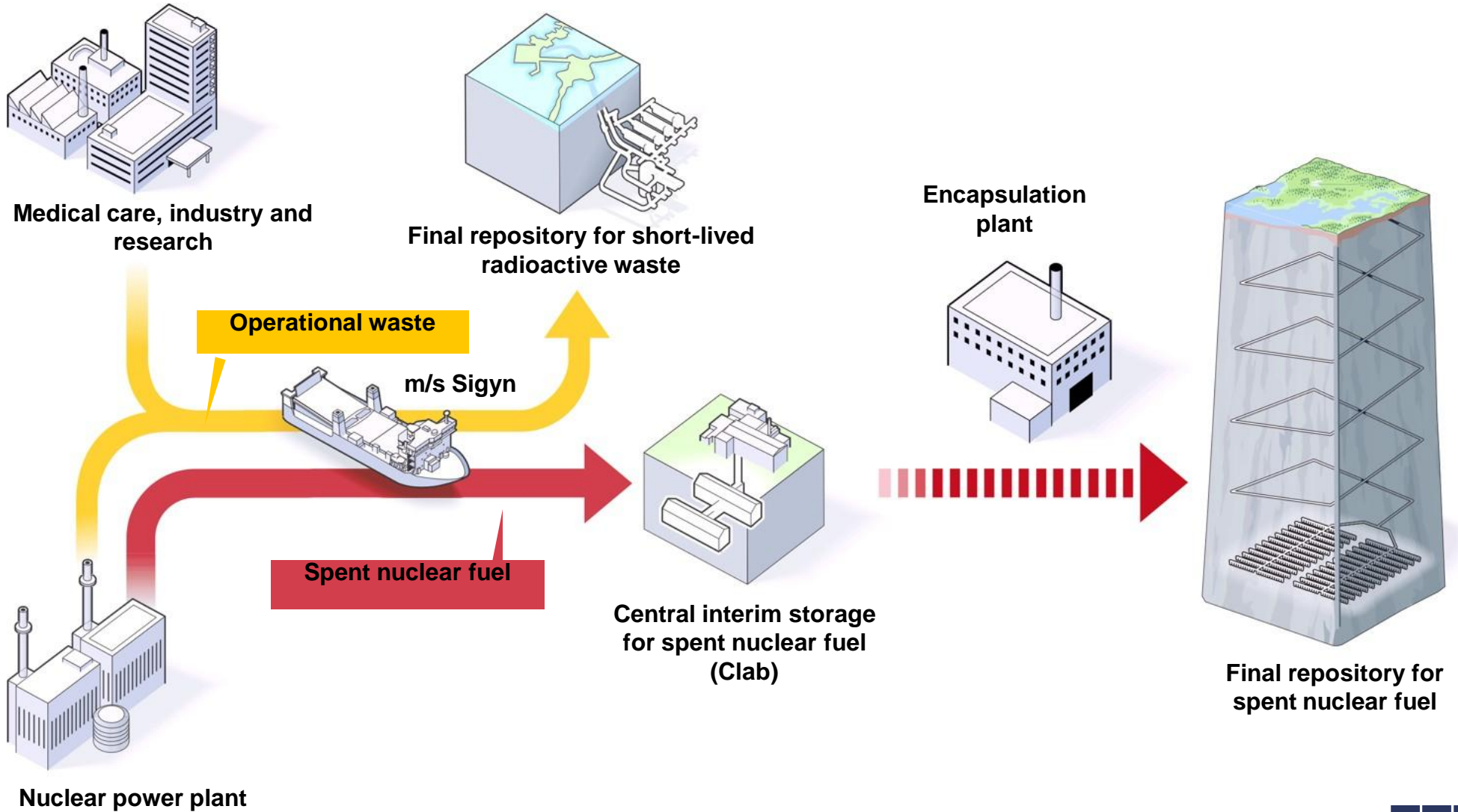
**A MILESTONE IN SWEDISH NUCLEAR
WASTE MANAGEMENT AT REACH:**

**A FINAL REPOSITORY FOR
SPENT NUCLEAR FUEL**

Our timeline



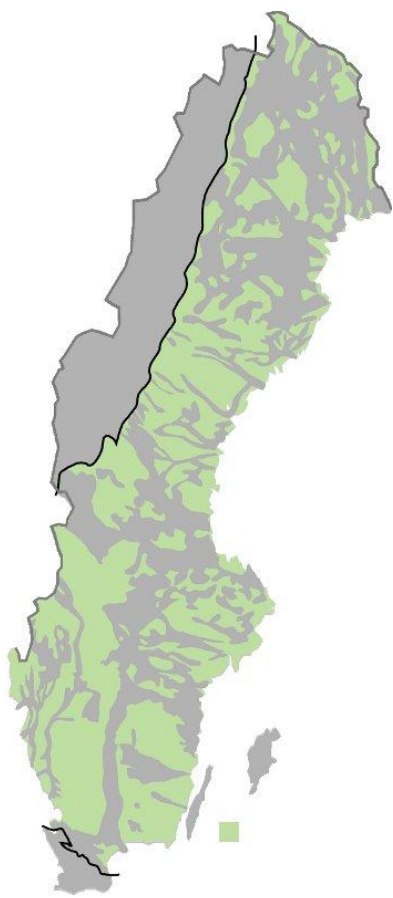
SKB's system



Finding a site



Type areas
1977–1985



Regional studies
1990s



Feasibility studies
1993–2002

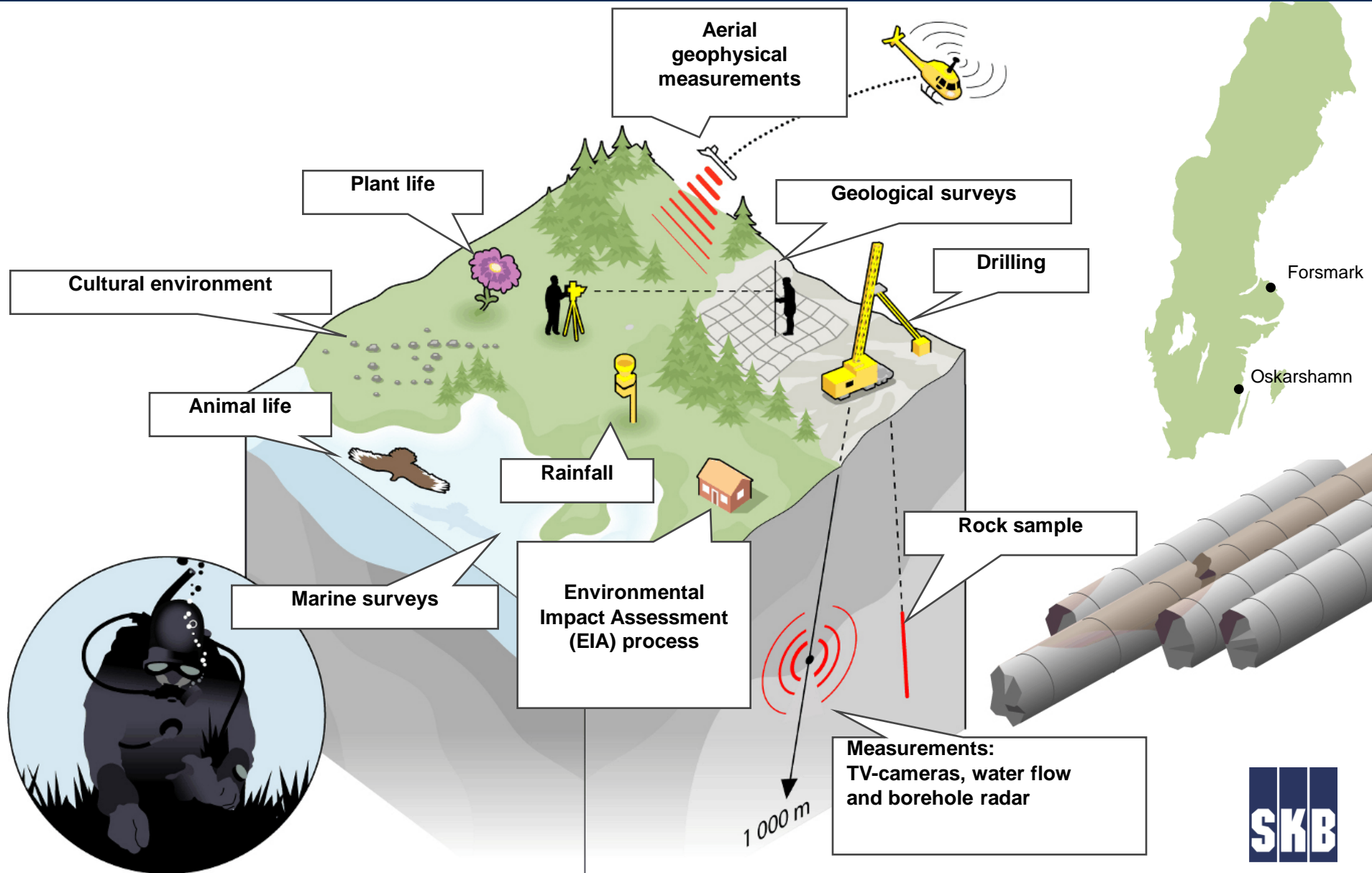


Site investigations
2002–2008



Building a repository
Trial operation 2025

Site investigations



ACCEPTANCE AND TRANSPARENCY IN THE SWEDISH PROGRAMME

This is where we started



May 1980

This is where we are now

- Acceptance and support from the local community is high and increasing in both municipalities – even after the site selection in 2009:

	Östhammar	Oskarshamn
2010: For/Totally for*	81%	86%
Against/Totally against	10%	5%
2009: For/Totally for**	79%	84%
Against/Totally against	15%	10%

* Somewhat different question asked than before the site was selected
** Before the site selection in June 2009

- Over 20.000 visitors to SKB's facilities per year
- Strong political support both locally and regionally



SKB's starting points

- *Nuclear waste exists and needs to be taken care of* - regardless of what we think about future of nuclear power.
- There is a *system for taking care of all nuclear waste* in Sweden today in a safe way.
- In order to protect the environment and humans *in the long term*, SKB intends to build a deep geological repository for spent nuclear fuel.
- *Safety and transparency* in fulfilling this mission.

Fundamentals in the process

- Transparent process based on voluntary participation and respect for local democracy
- Step-wise implementation
- Constant dialogue, knowledge- building and stakeholder involvement
- Clear role division between state - industry
- *Ability and political will, on national as well as on local level, to go forward and make necessary decisions*

Talking to the local people



Visits to facilities



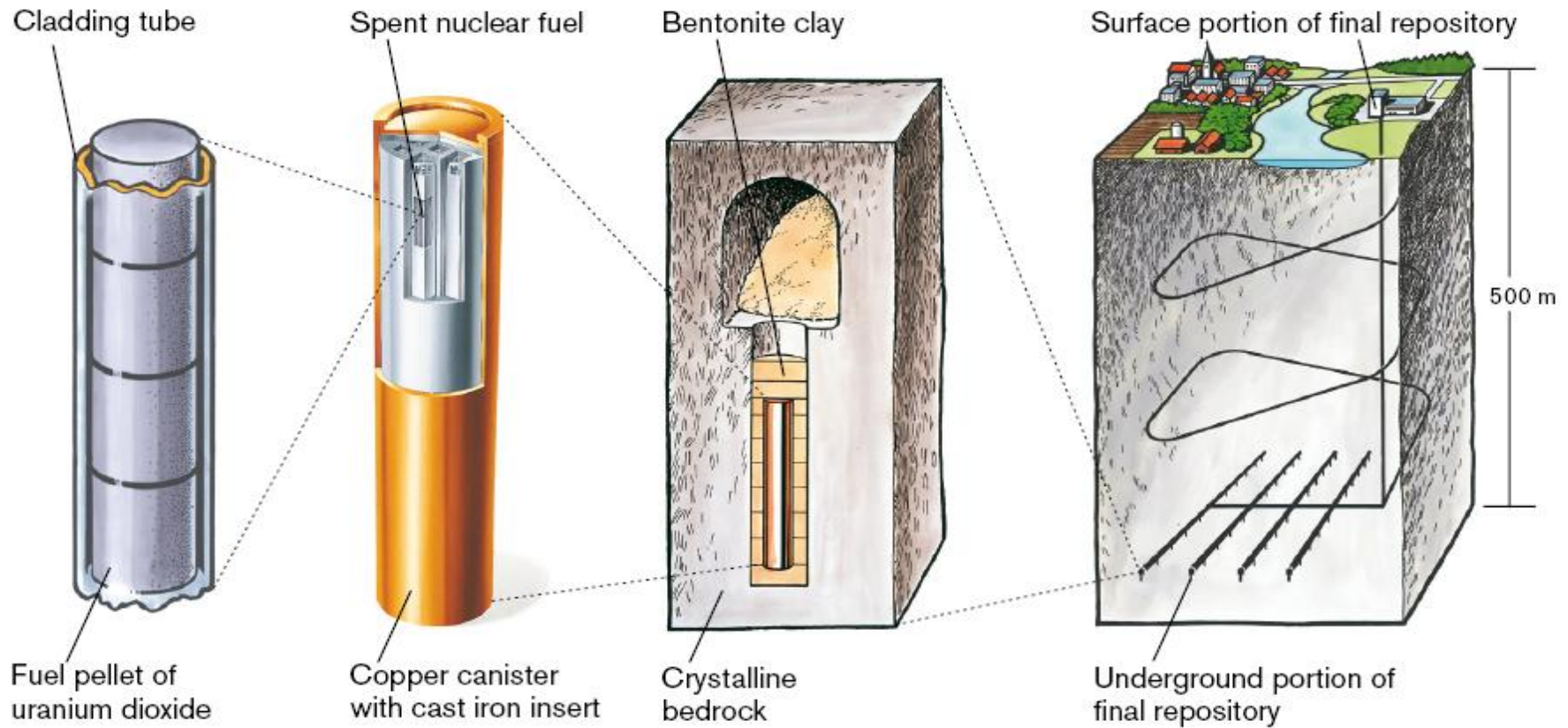
Visits to exhibitions



OUR METHOD

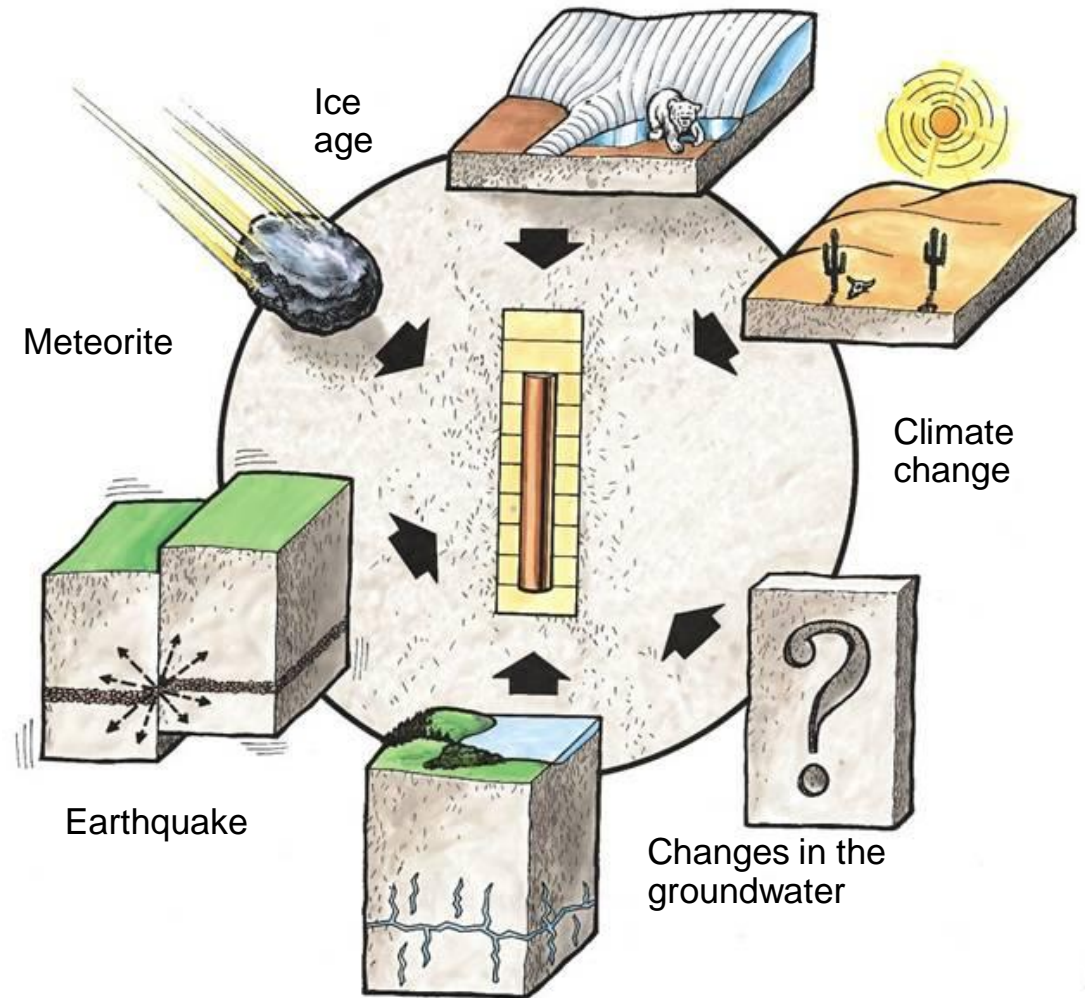
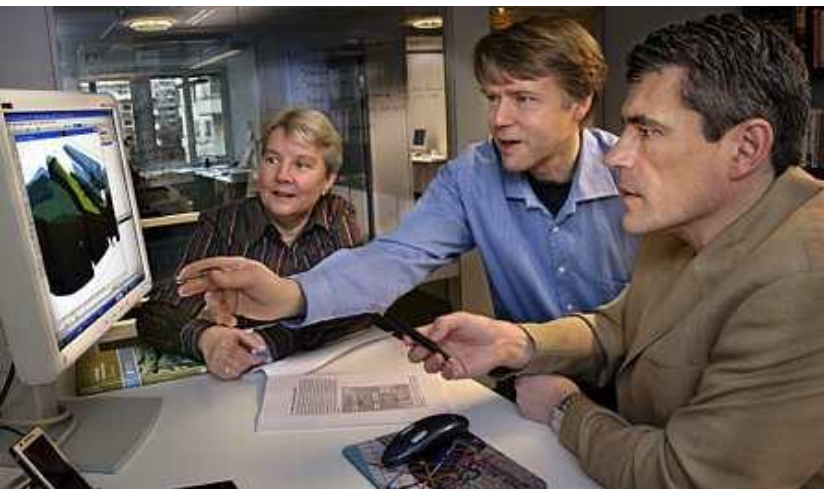


The Swedish Method – KBS3

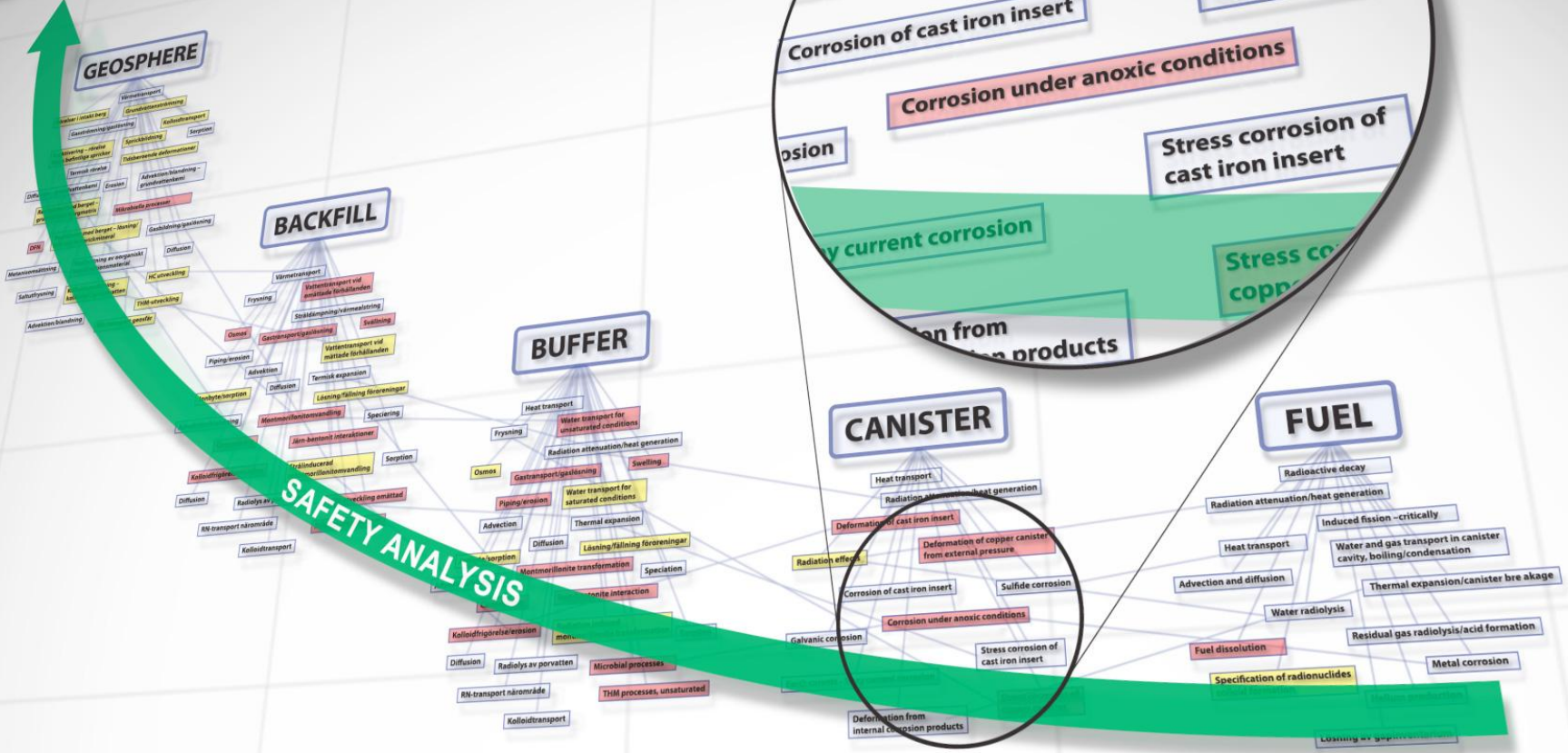


WHAT AFFECTS LONG-TIME SAFETY?

SAFETY ASSESSMENT AND FUTURE SCENARIOS



Long-Term Safety



COPPER CORROSION IN THE FINAL REPOSITORY