



Australian Government

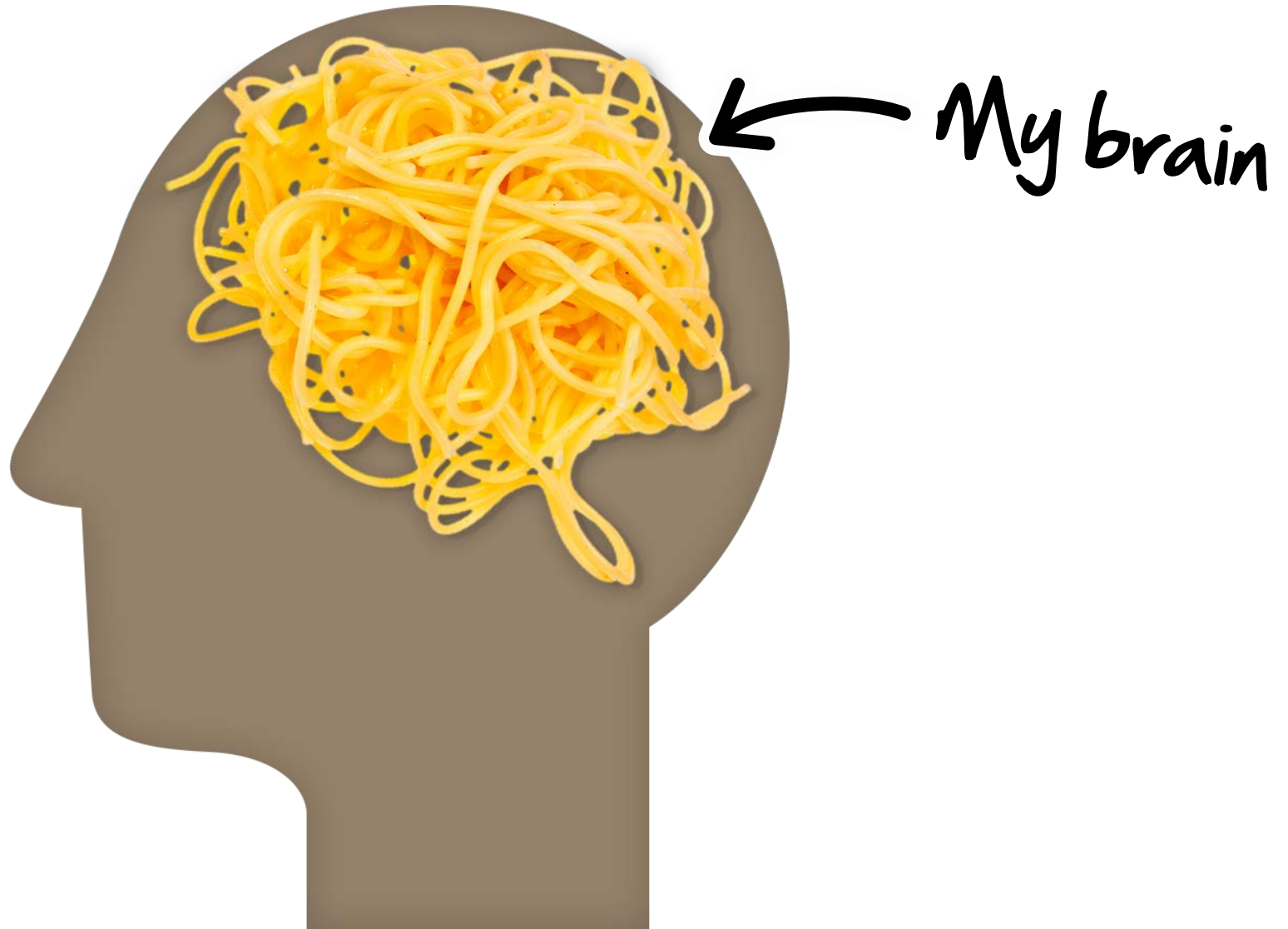


The nuclear fuel cycle in Australia? - **Waste storage**

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After reading the Storage Chapter...



What comes first?

In other countries cited

FINLAND



FRANCE



SOUTH KOREA



SPAIN



Regulations



Social Licence



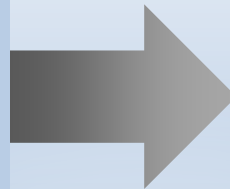
Funding

In Australia



No

nuclear power
industry



No

universal compelling
reason to adopt HLW
storage and disposal



Storage and disposal in South Australia

STEP 1

Social consent to pursue storage and disposal in South Australia



Stability and funding

Pre-Social
Licence phase

Potential Multi-year process
needing financial support

Who is involved / manages the process?

Who provides stability during this phase?

Commercial
Entities

Public - Private
partnership

Government

Other

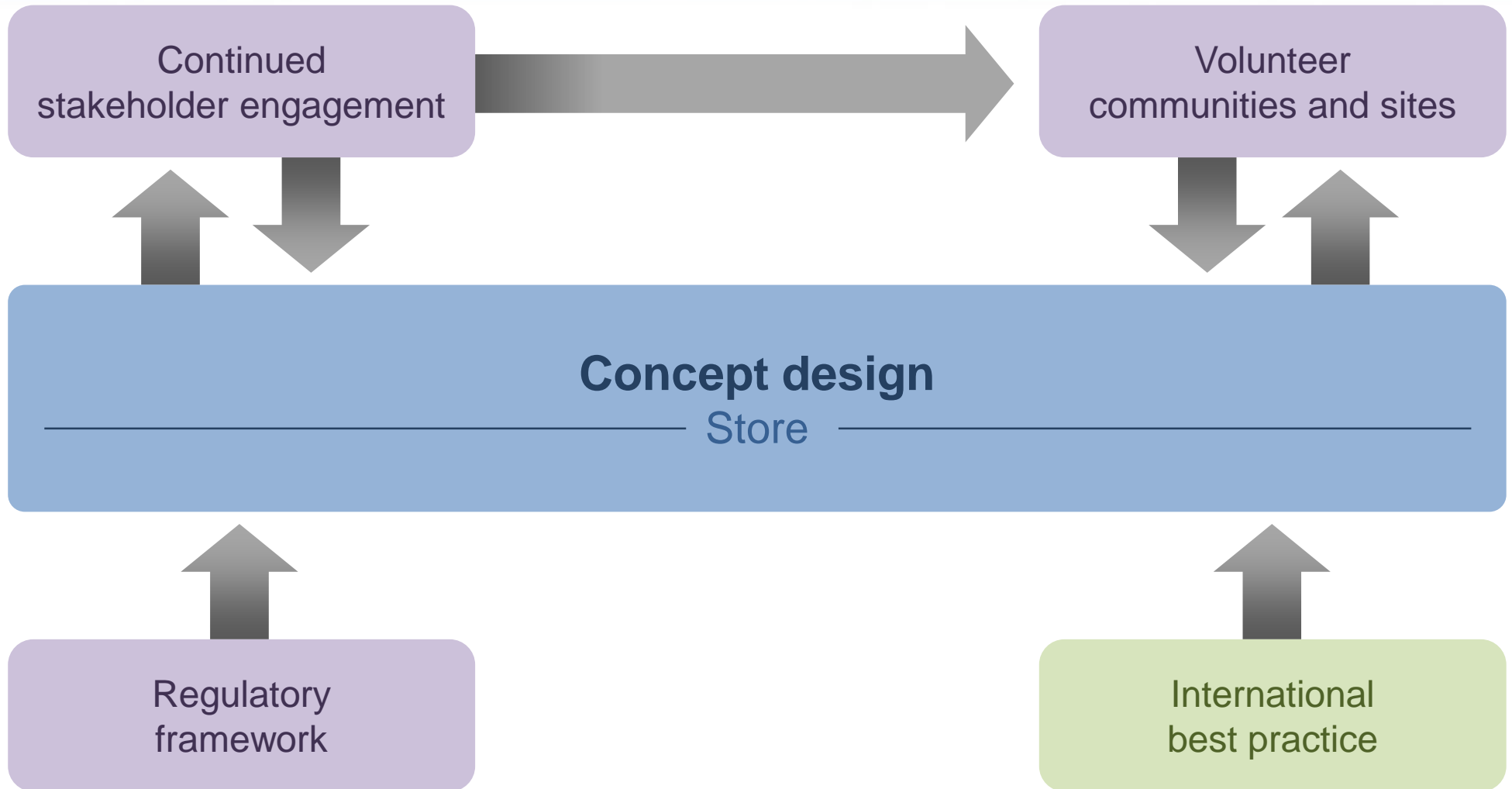
Storage and disposal in South Australia

STEPS 2 (a) and (b)

Specific consent to site storage and disposal facilities at specific locations

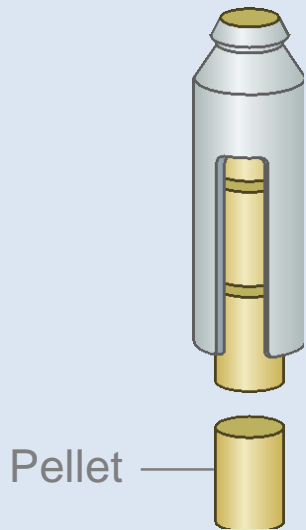


Post acceptance - Storage

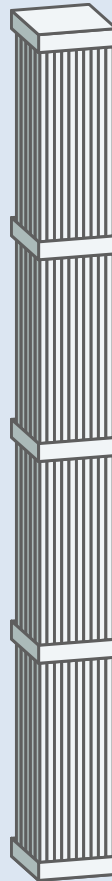


Dry cask storage

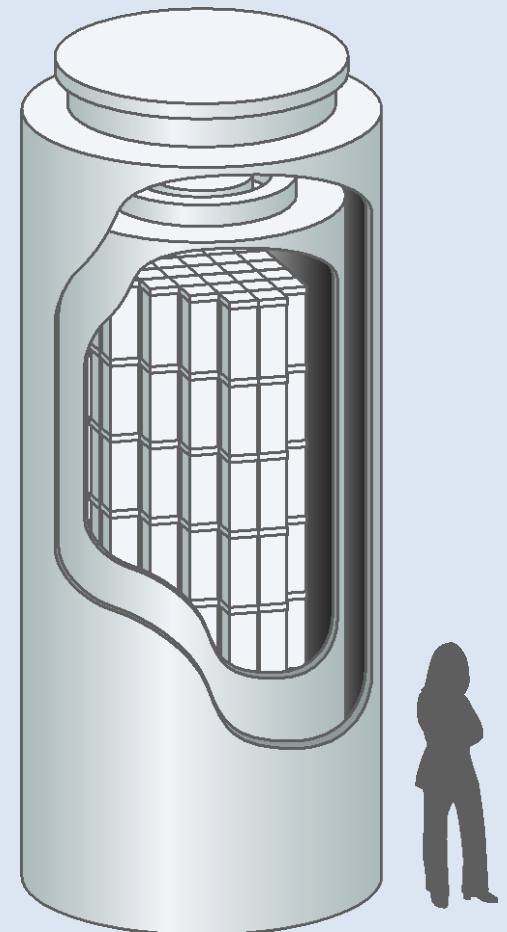
Fuel rod



Fuel assembly



Dry cask



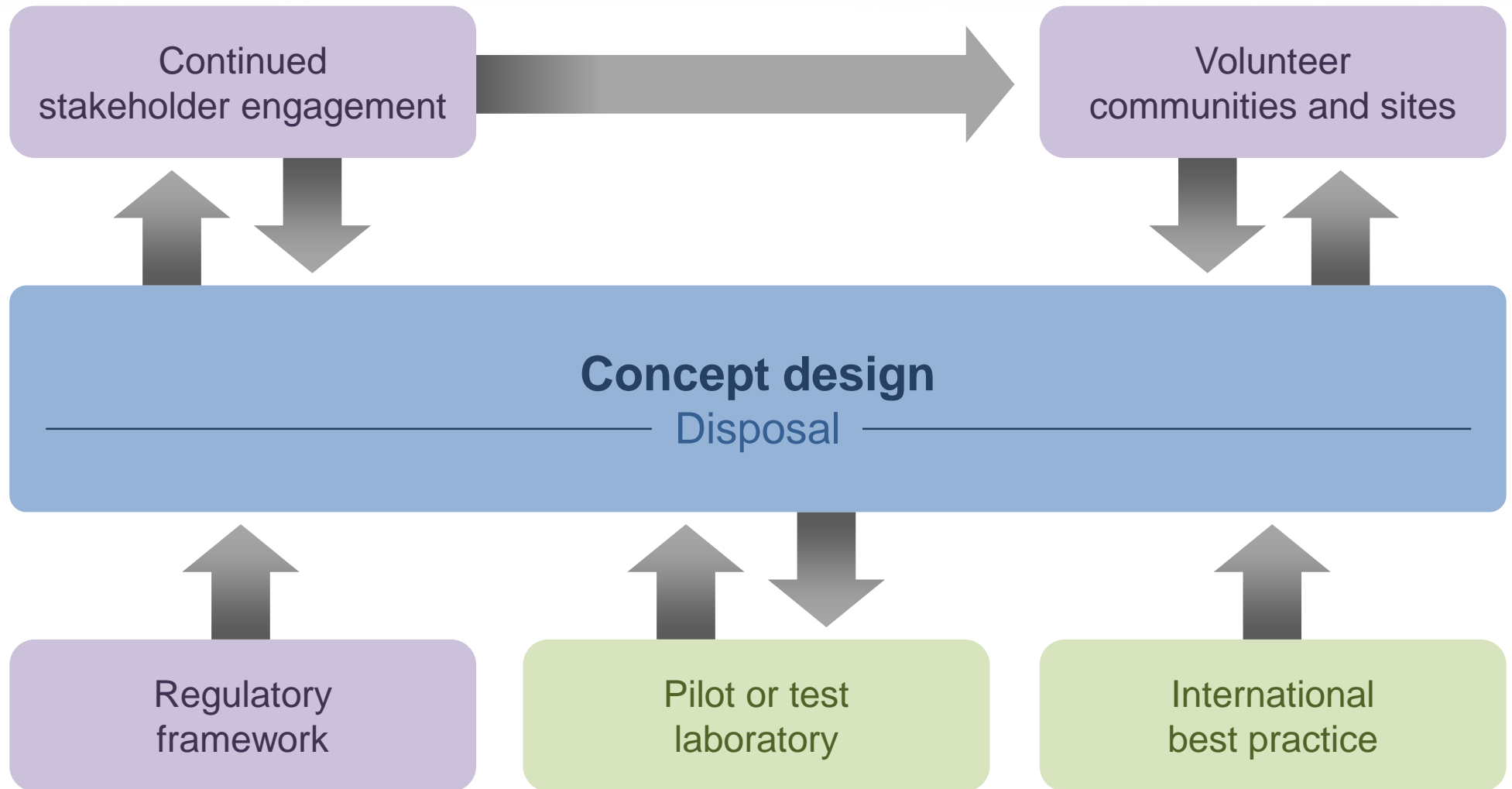
Connecticut Yankee Storage Facility, Vermont, USA



Lafayette Storage Facility, Indiana, USA

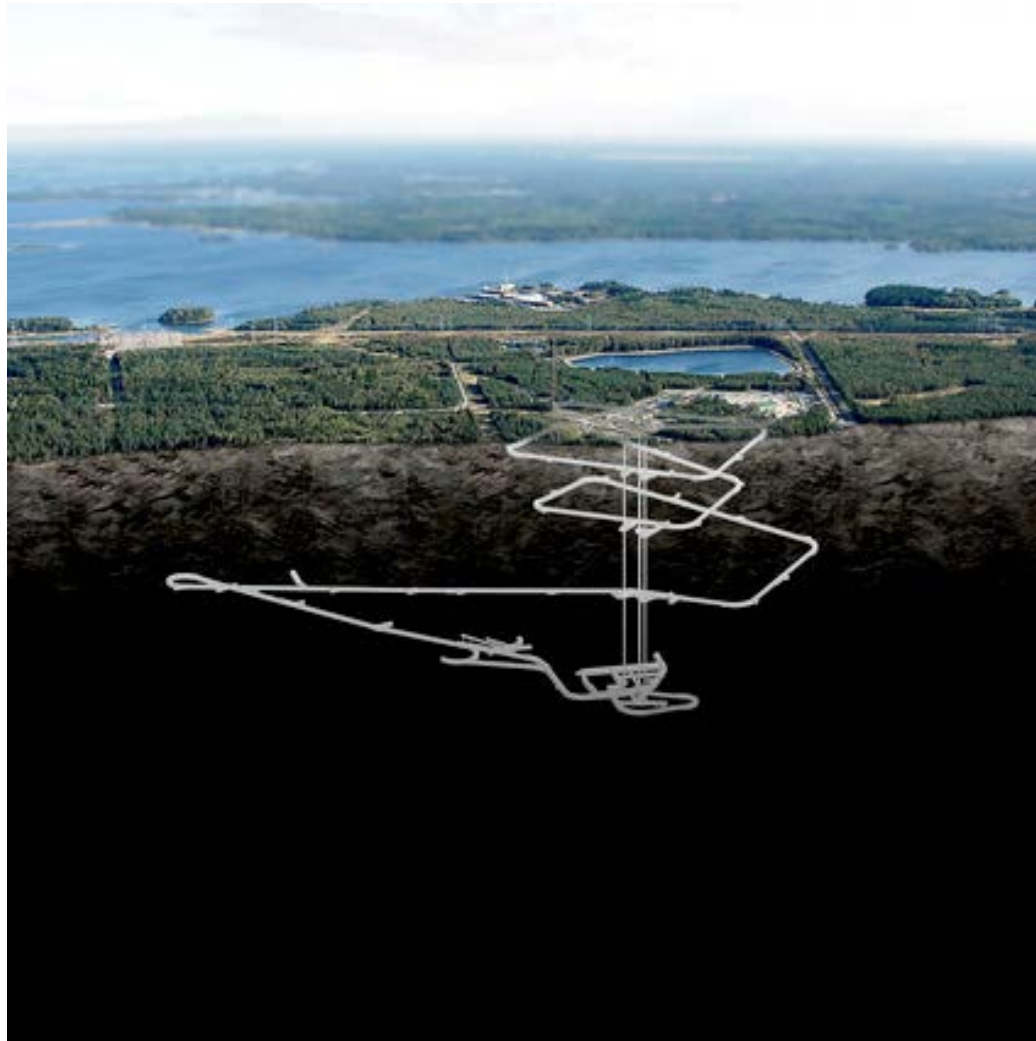


Post acceptance - Disposal concept



20 - 30 YEAR PROCESS

Finland: Onkalo Disposal Design



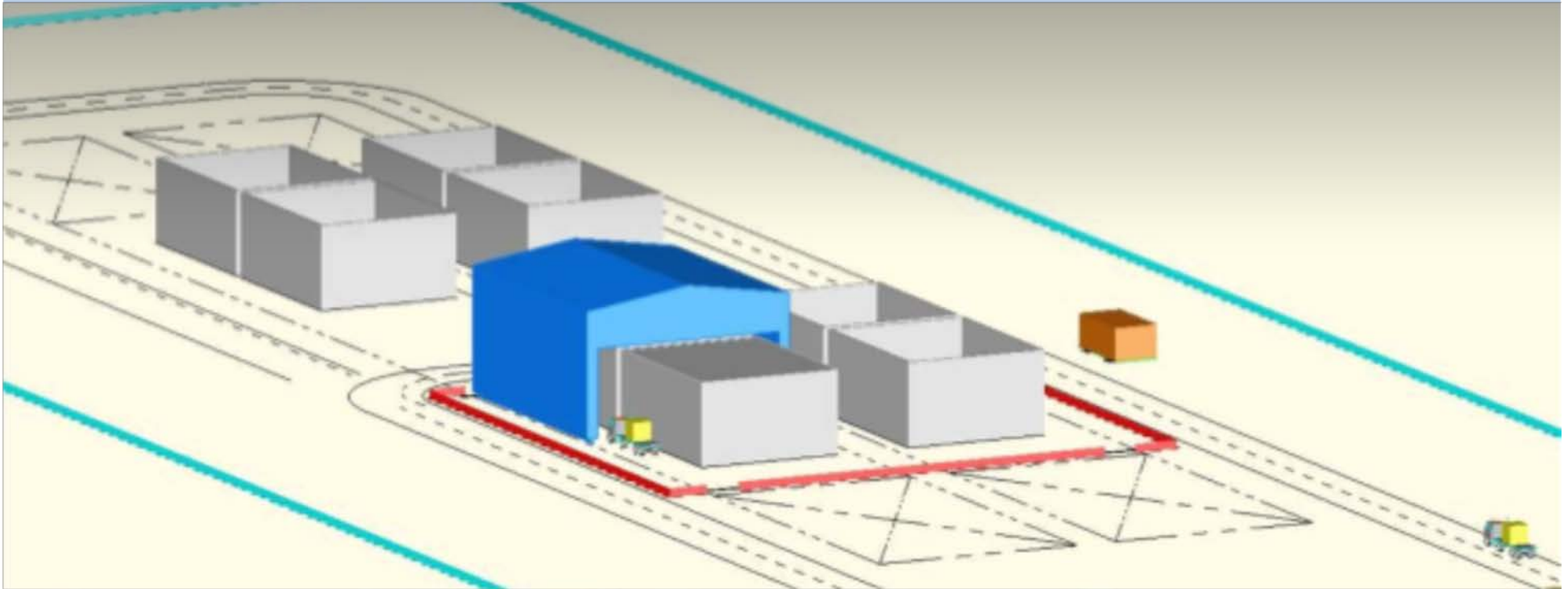
Finland: Onkalo Entrance



What can we do now?

National Radioactive Waste Facility

for Australian radioactive wastes



Low level waste repository | **Intermediate level waste** interim store

Benefits

Build **public confidence** in the process and **ability to operate safely**

Lessons learned - **Stakeholder Engagement**

More accurately judge when a **stable regulatory environment** is needed in the process

Time to learn from **international best practice** disposal options



Australian Government



Thank you
