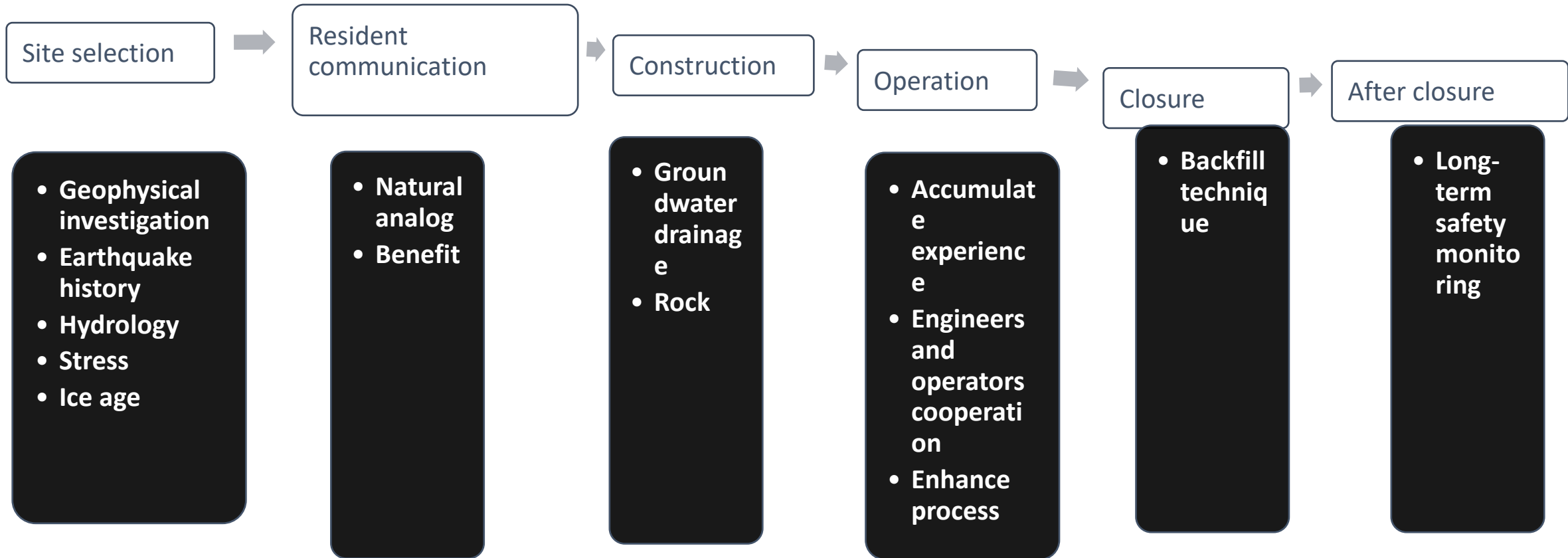


Group A Presentation

2023 August 8

Practical training on geochemical investigation and seismic survey



Professional Training for Researchers and Operators

- Accumulate Research and Operation Experience
- Cooperation and Communication between Engineers and Operators (construction)
- New type of architecture

Q: What do you want to learn from the research?

- Taiwan is in a similar situation with Japan: Many earthquakes and nuclear spent fuel
- About the Horonobe Underground Research Facility
 - How was the site selected?
 - How was the seismic stability evaluated? Hardness of the mineral composition?

Q: What do you want to learn from the research?

- Migration of underground water terrain might affect the research and operation of spent fuel repository.
- Radionuclide transport parameters might change.
- How can this problem be solved?

In the grand scheme of things, where do the things you did today fall?

Importance of geochemical investigation and seismic survey

1. Understand the properties (e.g. hardness) of the ground structure for seismic safety evaluation and architectural design
2. Understand how the chemical properties would affect the solubility of elements, which is important to understand the migration of radionuclide