

# HUG – HYDROGEN UNDERGROUND

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Statement/INGRESS

# Ingress for the statement (draft)

Large-scale underground hydrogen storage is a key enabler for Finnish H<sub>2</sub> economy at national and international level. It ensures flexibility to balance H<sub>2</sub> production and consumption, delivering reliability, and a competitive edge.

- First-of-its-kind high-level H<sub>2</sub> storage concepts have emerged through the HUG project, providing insights e.g., into storage model options, geological and safety requirements, investment estimates, and P2X optimization.
- Operational large-scale storage still requires piloting, which in turn demands detailed research due to critical safety considerations.
  - Focus areas include storage materials, structural and construction design, and operational processes.
- Collaboration among companies, public actors, investors, and research organizations is essential to realize large-scale H<sub>2</sub> storage and unlock its benefits for the hydrogen economy.

This short statement forms a guideline for the “Policy Brief” to be written

# Next steps

