

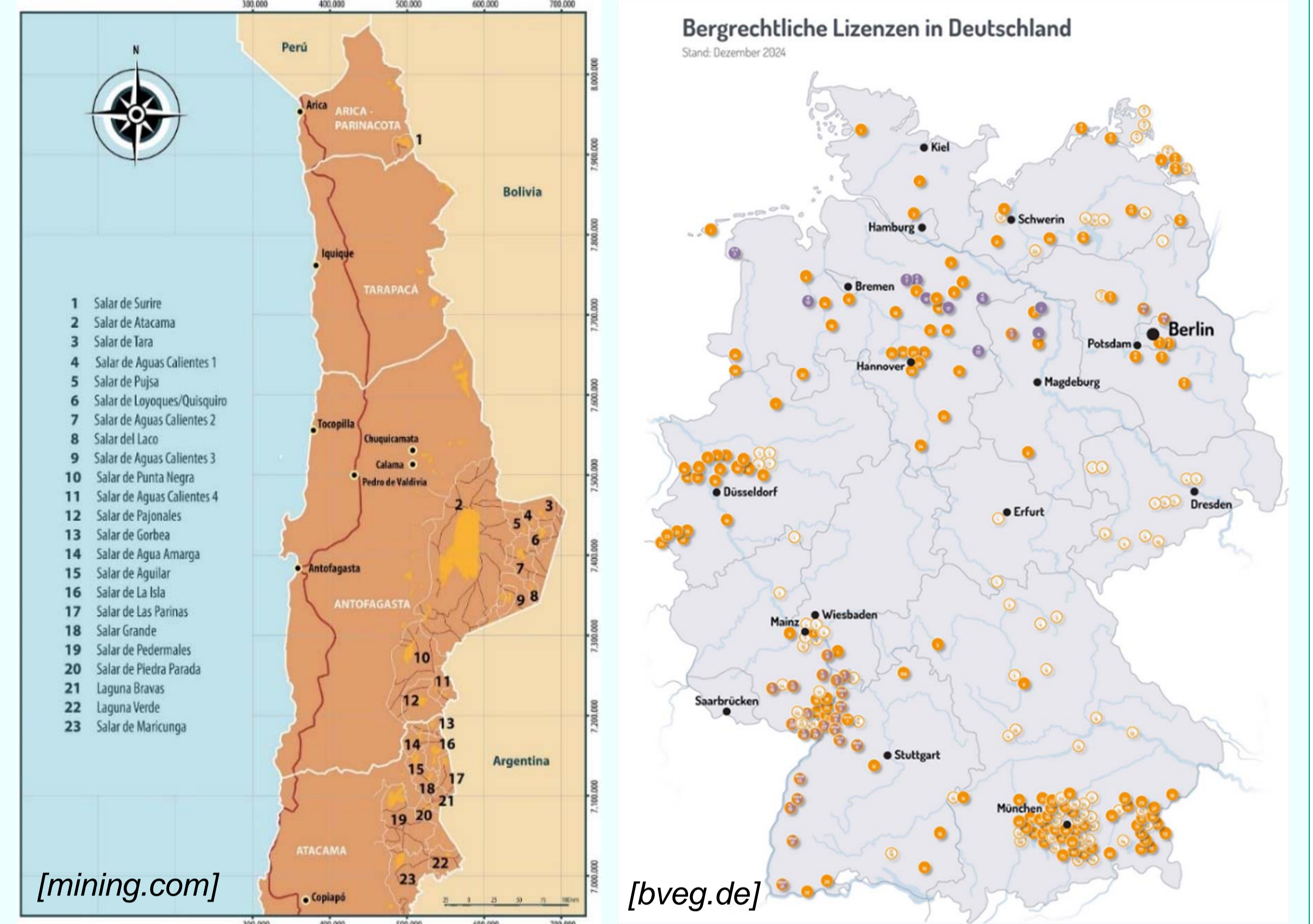
# BRIDGE

## German-Chilean Institute for Element Extraction from Brines and Integrated Geological Reservoir Modeling

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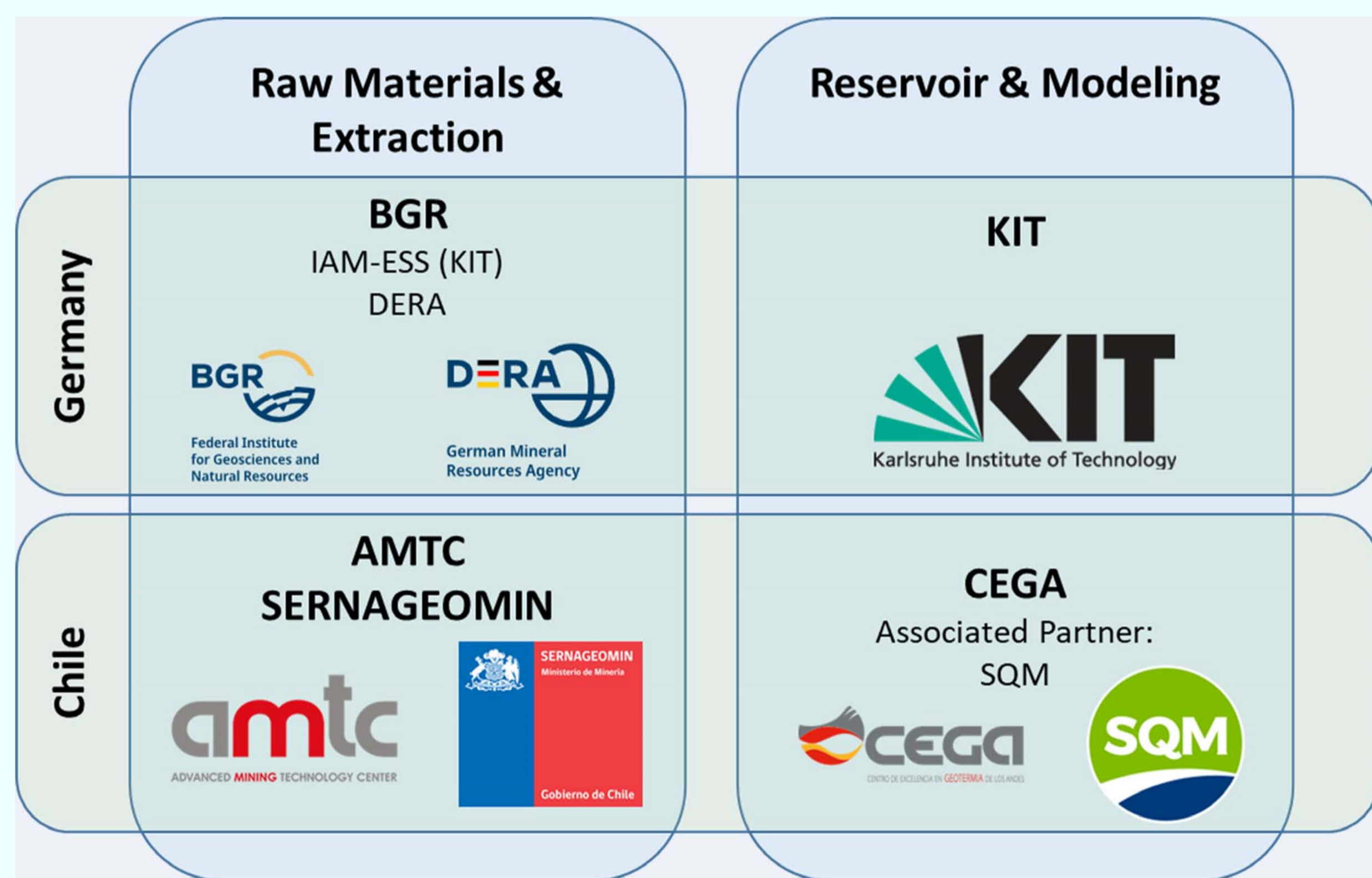
**BRIDGE** addresses the urgent need to establish strategic partnerships to secure the supply of Critical Raw Materials (CRMs), as emphasized in the European Critical Raw Materials Act. The project aims to strengthen the German-Chilean cooperation in CRM extraction from brines through the establishment of a virtual research institute.

In Chile, exploration focuses on 26 salars recently opened for commercial development. In Germany, geothermal, oil and gas reservoirs with high concentrations of dissolved CRMs are being investigated. In both contexts, potentials are assessed, sustainable reservoir management strategies are developed and advanced Direct Element Extraction (DEE) technologies are evaluated and compared to identify synergistic opportunities.



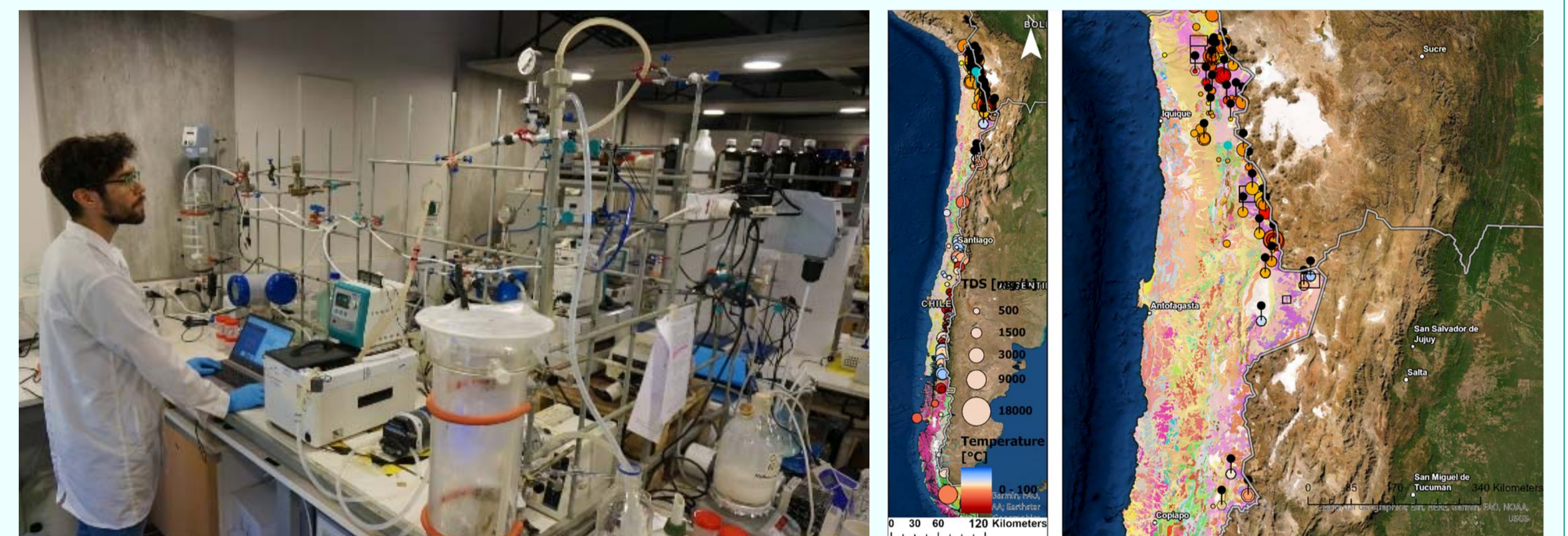
### Project Partners and Organization

- Leading technical universities, geological services and governmental advisory bodies of both countries.
- Strong expertise in geological exploration, subsurface modeling, extraction technologies and CRM market and resource assessment across the full value chain.

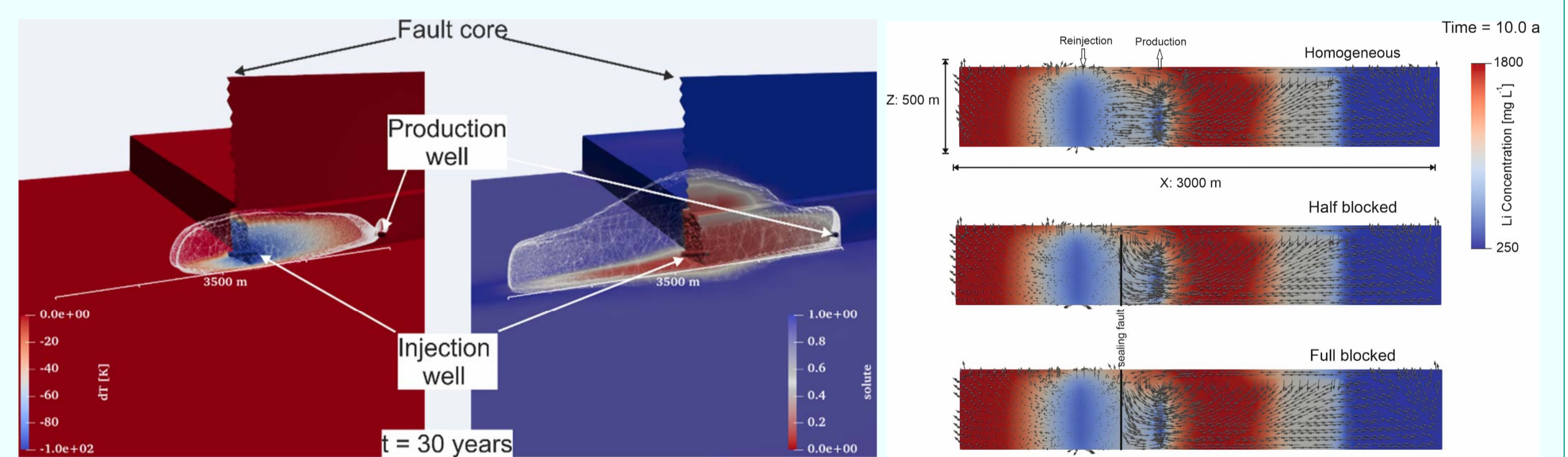


### BRIDGE Research Tasks

#### Raw Materials & Extraction



#### Reservoir Management & Modeling



First Symposium on Direct Lithium Extraction in Karlsruhe (Oct. 2024).



Project Launch Chilean Embassy in Berlin (28th May 2025).



Project Launch German Embassy in Santiago de Chile (28th May 2025).



Signature of MoU between KIT and Universidad de Chile (16th June 2025).

Further Information



<https://geothermics.agw.kit.edu/869.php>

Get in Touch!



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