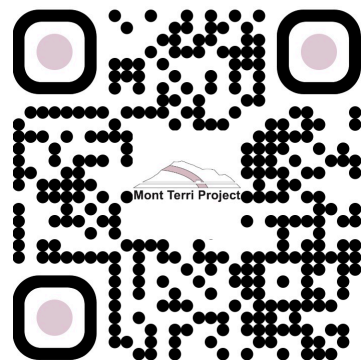


Mont Terri Project Underground Rock Laboratory

Report period: January 6–12, 2025

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: Safety is an important topic in an underground rock laboratory. Therefore, all the swisstopo staff including the drivers and guides for visits undergo yearly health and safety training including the renewal of the BLS AED certificate. This year additionally, the staff was trained to deal with situations from our daily work that are close to reality such as an accident with a vehicle including the outbreak of fires, different types of wounds with management of massive bleeding and cardiorespiratory arrest. The exercises took place on the way to the lab and inside the galleries where communication with first responders and emergency response teams is an additional challenge. These exercises organized by M. Stöpfer (swisstopo) together with the instructors from Formasim SA greatly improved the readiness of the Mont Terri team concerning fire and health safety. Doing everything we can to prevent accidents, it is nevertheless crucial to be ready for any kind of incident.

CL (CO2LPIE-CO2 Long-Term Periodic Injection) experiment

- On Tuesday, January 7, M. Ziegler (swisstopo) restarted the GmuG seismic DAS after a random error (no pulser voltage indicated) that was noted on December 18, 2024.

DR-E (Long-Term Diffusion Experiment in the Main Fault-Zone) experiment

- On Monday, January 6, T. Theurillat (swisstopo) took samples #10 from the injection fluid on both boreholes BDR-E1 and BDR-E2.

HT (Hydrogen Transfer in Opalinus Clay) experiment

- On Monday, January 6, during the daily labcheck, T. Theurillat (swisstopo) emptied the Tedlar bag of BHT-1 as the scale displayed 1112 g.

SW-A (Large-Scale Sandwich Seal in Opalinus Clay) experiment

- On Monday, January 6, T. Theurillat (swisstopo) refilled the HPT attached to BSW-A1.
- On Thursday, January 9, T. Theurillat (swisstopo) restarted the scale for the HPT of BSW-A2.
- On Friday, January 10, T. Theurillat (swisstopo) emptied the LPT of BSW-A1 as we noticed that it loses a little bit of water every day. About 3 litres were emptied from the tank.

Varia

- On Thursday, January 9, M. Braun (CEO Nagra) together with J. Konstanty (CCO Nagra) and G. Schmidt (Lawyer Nagra) visited the laboratory guided by the director of the Mont Terri Project C. Nussbaum (swisstopo) (**Figure 1**).
- Welcome to 2025! The team at Mont Terri wishes all of you a happy new year and look forward to the upcoming experiments, meetings and discussions with you.

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Thu	9.1.2025	Nagra Executive Group	3	C. Nussbaum (swisstopo)

Figures



Figure 1: Varia: The Nagra group together with C. Nussbaum in front of the Main Fault in Ga98 discussing tectonics in clay rocks (V. Monnerat, swisstopo).