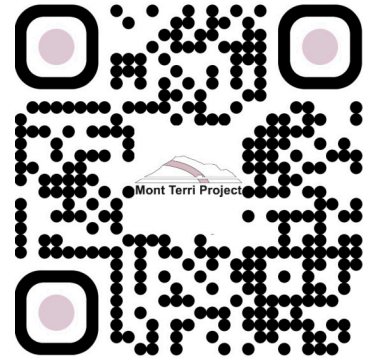


Mont Terri Project Underground Rock Laboratory

Report period: April 7–13, 2025

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: During two days, 30 fire extinguishers from the lab underwent maintenance. Every three years all of the 42 fire extinguishers from the lab, the cars and the other buildings need to be thoroughly cleaned, refilled and tested to ensure their proper functioning (Fig. M. Stöpfer, swisstopo).

Important note

- On April 22, 2025, the electricity in the lab will be cut for maintenance at the transformers. During this time, the generators will take over. We will be on site to check the experiments after the electricity is switched back to normal. Please check your data acquisition on April 23.
- On April 24, 2025, the lab will be closed due to active logging within the FE-M experiment.

FS-B (Imaging the Long-Term Loss of Faulted Host Rock Integrity) experiment

- On Monday, April 7, M. Abdelouhabi and S. Schefer (swisstopo) performed a GPR logging inside BFS-B15.
- From Monday to Thursday, April 7–10, A. Eul and F. Durulan (Eul GmbH) continued drilling on borehole BFS-B13 and reached 61.1 m (**Figure 1**).
- From Monday to Wednesday, April 7–9, PX. Meury (Géo&Environnement), M. Abdelouhabi and S. Schefer (swisstopo) mapped and sampled the rest of BFS-B15.
- From Tuesday to Wednesday, April 8–9, J. Gisiger, M. Guyer and H. Geisser (Solexperts) installed a PVC casing with single and multimode cables routed behind casing in borehole BFS-B15. The screened section is located at a depth of 44.5–45.5 m. On Wednesday, the completion was grouted behind casing, and the screened section backfilled with quartz sand (**Figure 2**).
- On Friday, April 11, S. Schefer (swisstopo) marked the position and orientation of BFS-B16.
- On Friday, April 11, S. Schefer (swisstopo) performed a second GPR measurement inside BFS-B15, this time after completion with grouted PVC liner.

RM (Reassessing the Opalinus Clay mineralogy) experiment

- On Wednesday, April 9, M. Ziegler (swisstopo) took one sample (ID 0481) for mineralogical analyses planned at the University of Göttingen.

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

- On Wednesday, April 9, T. Theurillat (swisstopo) refilled the HPT attached to shaft 1.
- On Friday, April 11, S. Schefer (swisstopo) refilled the HPT of shaft 2.

Varia

- On Thursday, April 10, 10 palettes containing three boreholes from the Irchel project arrived in St-Ursanne. P. Hayoz, T. Theurillat, S. Schefer (swisstopo) and A. Dehnert (Ensi) checked, labelled and stored the cores.

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Mon	7.4.2025	Gymnase De La Cité – Lausanne	24	J.-P. Meusy (freelance)
Fri	11.4.2025	ETHZ	21	T. Vietor (Nagra)

Figures



Figure 1: FS-B: At greater depth, getting the cores out becomes a real task (S. Schefer, swisstopo).



Figure 2: FS-B: Installing the fibres behind casing for BFS-B15 (S. Schefer, swisstopo).