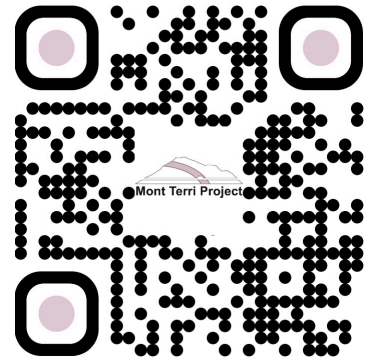


Mont Terri Project Underground Rock Laboratory

Report period: February 17–23, 2025

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: While winter had its claws on us for quite a while now, the days get longer and the temperatures rise. Every day the feeling is getting better when getting out from the tunnel and into daylight. The first flowers are blooming and the stalagmites made of ice are vanishing. We wish all of you a lovely spring and hope to see you in Mont Terri soon (Fig. S. Schefer, swisstopo).

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

- On Tuesday, February 18, D. Jaeggi (swisstopo) changed the connection of the pressure distributor from the P (injection) ports to the Q (ventilation) lines. The injection pressure of 10 bar is maintained in all boreholes BCL-5 to BCL-8.
- On Thursday, February 20, M. Ziegler (swisstopo) restarted the seismic/acoustic DAS at about 8 am after a malfunction after February 16 noted on February 19. The malfunction also caused continuous AE triggers.

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

- From Monday to Wednesday, February 17–19, S. Braunschweig and F. Durulan (Eul GmbH) drilled BFS-B15 down to 42 m depth. The drilling will be interrupted and continued across the Main Fault at a later stage.
- From Wednesday to Friday, February 19–21, PX Meury (Géo&Environnement) mapped the first 28 m of BFS-B15 and together with M. Abdelouhabi (swisstopo) took 4 samples of 0.5 m each (**Figure 1**).
- On Thursday, February 20, S. Schefer (swisstopo) marked the position and orientation of BFS-B13 in front of Niche MA and the drilling team started installing the rig for next week's drilling.

SM-C (Permanent Nanoseismic Monitoring) experiment

- On Monday, February 17, S. Schefer (swisstopo) refilled 180 ml of demineralized water into the HLS.
- On Tuesday, February 18, S. Schefer (swisstopo) refilled 180 ml of demineralized water into the HLS.

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

- On Thursday, February 20, S. Schefer (swisstopo) replaced the nitrogen bottle for shaft 2.
- On Friday, February 21, S. Schefer (swisstopo) refilled the HPT of shaft 1 (**Figure 2**).

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Thu	20.2.2025	Japan Tunnelling Association	27	M. Ziegler (swisstopo)
Fri	21.2.2025	Universität Bern, Institut Für Geologie	22	D. Jaeggi (swisstopo)

Figures



Figure 1: FS-B: Doing the core mapping on BFS-B15 (S. Schefer, swisstopo).



Figure 2: SW-A: Refilling the HPT of shaft 1 (M. Abdelouhabi, swisstopo).