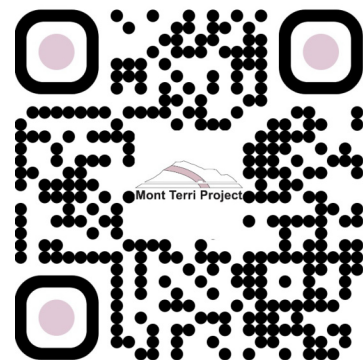


Mont Terri Project Underground Rock Laboratory

Report period: November 3–9, 2025

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: FS-B experiment: after more than two weeks and a successful constant flow injection, P. Cook (LBNL) has transformed the borehole BFS-B2 into a long-term constant pressure injection system. The tube is filled with water, pressurized with nitrogen allowing for constant pressure injection. The pump is linked to a sensor that automatically starts the pump when the water level is too low. The valve on the bottom can switch from injection to pressurizing the packers whenever needed. This setup will allow long-term injection with little onsite intervention except for refilling the different reservoirs (Fig. S. Schefer, swisstopo).

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

- On Friday, November 7, J. Windisch (swisstopo) took sample #9 from the circulation interval.

DR-C (Diffusion in a Thermal Gradient) experiment

- On Wednesday, November 5, Y. Lettry (Solexperts) reinflated the packers, decreased circulation flow and adjusted the test pressure .

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

- From Monday to Thursday, November 3–6, P. Cook (LBNL) installed and tested all the equipment for the constant pressure injection in BFS-B2.
- On Tuesday, November 4, S. Schefer and J. Windisch (swisstopo) installed a new cabinet for the DAS of the constant pressure injection in BFS-B2.

HT (Hydrogen Transfer in Opalinus Clay) experiment

- On Tuesday, November 4, S. Schefer (swisstopo) stopped the Raman laser and restarted the HEITO on behalf of M. Lundy (Andra).
- On Wednesday, November 5, Y. Lettry (Solexperts) disconnected the Heitolab to check electric interferences and fixed a small leak.

LT (Long-Term Monitoring) experiment

- On Friday, November 7, C. Etter (swisstopo) measured the changes of the x/y/z axis of the joint meter in Niche EZ-B and at the main fault in Ga98.

SM-C (Permanent Nanoseismic Monitoring) experiment

- On Tuesday, November 4, S. Schefer (swisstopo) switched the connector of the two HLS pots without success for better signal. He then switched the platines for data connection of the two pots. The poor signal/noise ratio on one pot still persists.

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

- On Friday, November 7, S. Schefer (swisstopo) refilled the HPT of shaft 1.

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Tue	4.11.2025	UJP Praha Tschechien	3	H. Sager (Nagra)
Wed	5.11.2025	Protection Civile Val-De-Travers	9	R. Nicol (swisstopo)
Thu	6.11.2025	Seniorenuniversität Bern	27	A. Möri (swisstopo) S. Schefer (swisstopo)

Figures