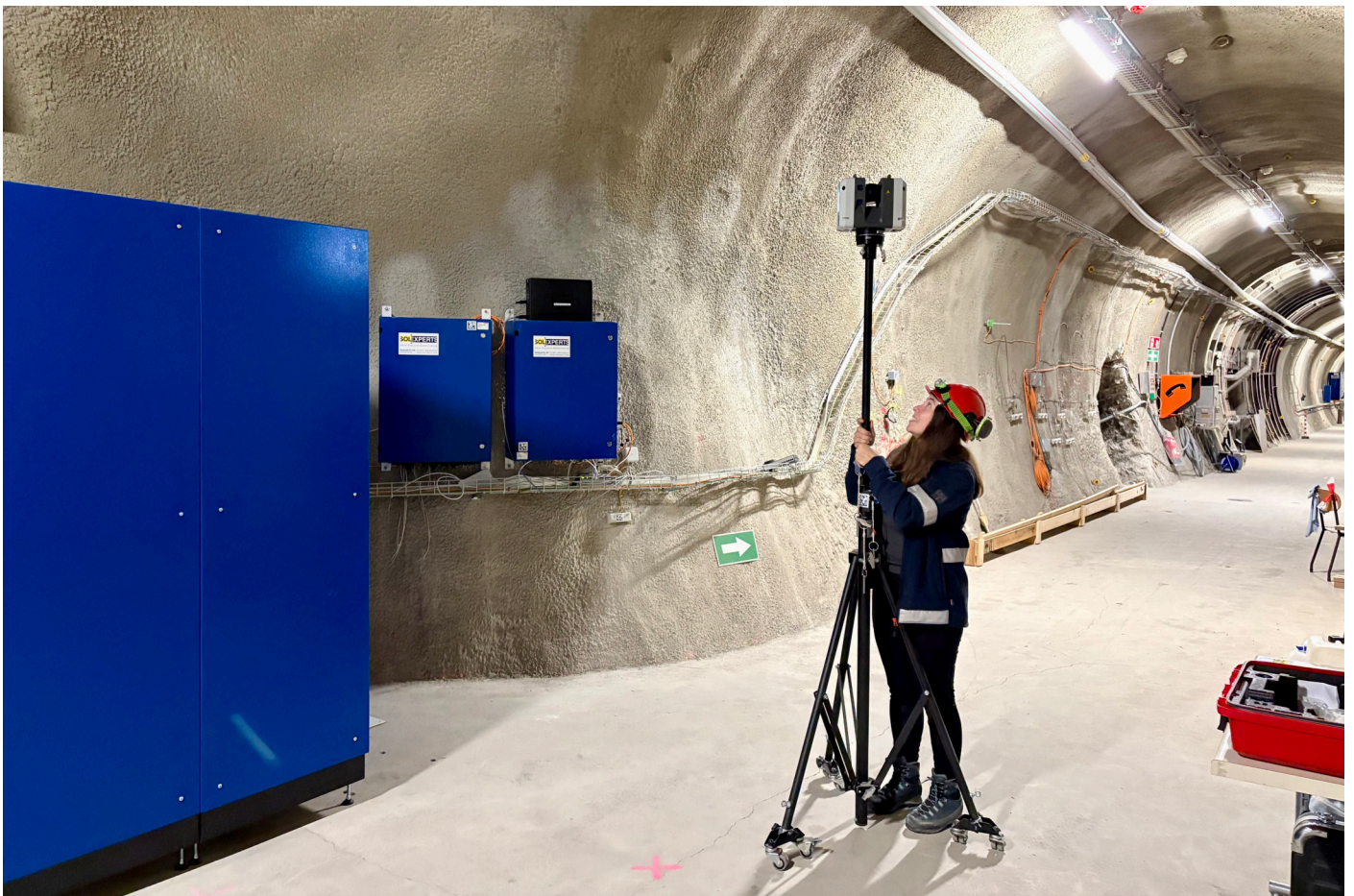
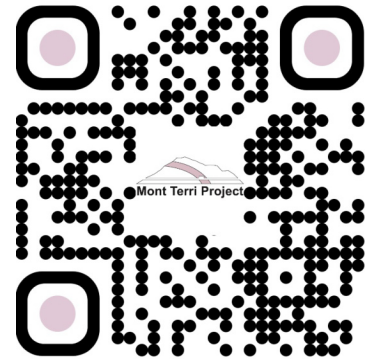


# Mont Terri Project Underground Rock Laboratory

Report period: September 22–28, 2025

Assembled and edited by swisstopo, St-Ursanne



**Spotlight of the week:** BIM Mont Terri: Whenever there is some new installation inside the lab - for an experiment, communication, safety, visits - these installations must be added to the Building Information Management system (BIM). The digital twin of the rock lab allows us to visualize all assets in the lab, assisting in borehole planning, maintaining the safety installations and reacting to electrical power outages in a more planned way. The picture shows C. Etter during the laser scans for the new installations at the CL experiment (Figure: J. Windisch, swisstopo).

## BN (Bitumen-Nitrate-Clay Interaction) experiment

- On Monday, September 22, S. Schefer and J. Windisch (swisstopo) removed sample container #5 and the clay loop from interval 1 and the clay loop of interval 2. Together with sample #4 all was sent back to SCK CEN.

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

- On Monday, September 22, S. Schefer (swisstopo) restarted the acoustic seismic monitoring computer.
- From Monday to Tuesday, September 22–23, C. Marion (Eawag) re-installed the miniRuedi after the exchange of the mass spectrometer and checked for leaks in the gas loops (**Figure 1**).
- On Tuesday, September 23, J. Gisiger and B. Rúnasdóttir (Solexperts) performed two pulse injection tests into intervals 2 and 4 of borehole BCL-B11. Solexperts also installed the Pearson water supply tank used for the planned injection.
- On Thursday, September 25, S. Schefer and J. Windisch (swisstopo) installed the UPS for the Geomonitor cabinet.

## FE-M (Long-Term Monitoring of the Full-Scale Emplacement Experiment) experiment

- On Tuesday, September 23, J. Gisiger and B. Rúnasdóttir (Solexperts) replaced the damaged UPS for the FE-DAS.

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

- On Thursday, September 25, A. Rinaldi (ETHZ) installed the Neubrescope interrogator in the Niche CO<sub>2</sub> and tested the fibers for the upcoming injection.

## HT (Hydrogen Transfer in Opalinus Clay) experiment

- On Monday, September 22, Y. Lettry (Solexperts) performed maintenance at the cabinets and check of Raman spectrometer (by Endress) in preparation for the next phase.

## Mont Terri URL experiment

- On Tuesday, September 23, C. Oreja and L. Broquet (ATB SA) performed the convergence measurements in Ga18 (**Figure 2**).

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

- On Friday, September 26, S. Schefer (swisstopo) refilled the HPT of shaft 1 and shaft 2.

## Visits

Day	Date	Group Name	Group Size	Visitors Guide
Mon	22.9.2025	Obayashi	2	D. Jaeggi (swisstopo)
Mon	22.9.2025	Bauschule Aarau Klasse HTF26	14	H. Sager (Nagra)
Mon	22.9.2025	TU Darmstadt, Institut Für Angewandte Geowissenschaften	6	D. Jaeggi (swisstopo)
Tue	23.9.2025	EAWAG	43	M. Abdelouhabi (freelance) R. Nicol (swisstopo)
Wed	24.9.2025	KIT-AGW, Karlsruhe	12	M. Abdelouhabi (freelance)
Thu	25.9.2025	Studenten Bauführung Holzbau, Aarau	19	R. Nicol (swisstopo)
Fri	26.9.2025	ADC - BEJUNE	12	J.-P. Meusy (freelance)
Fri	26.9.2025	Wibemo SA	34	J.-P. Meusy (freelance) R. Nicol (swisstopo)
Sat	27.9.2025	Belgischer Verein Basel	25	I. Gaus (Nagra)

## Figures



Figure 1: CL: Joint effort inside a very crowded cabinet to fix the repaired miniRuedi in place (S. Schefer, swisstopo).



Figure 2: Mont Terri URL: Convergence measurements in Ga18 (S. Schefer, swisstopo).