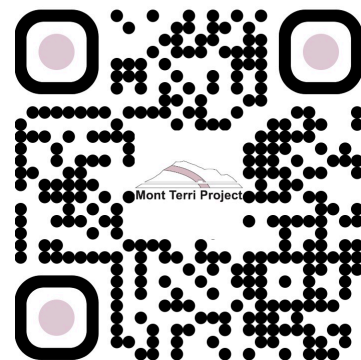


# Mont Terri Project Underground Rock Laboratory



Report period: June 9–15, 2025

Assembled and edited by swisstopo, St-Ursanne



**Spotlight of the week:** During the night from Thursday to Friday, June 12-13, there was a power outage. It concerned the lab and the entire city of St-Ursanne, that means also the office building and the servers we run there. The generators in the lab were running, providing electricity to the experiments (left part of image). R. Nicol (swisstopo) was on site to check on the experiments and the safety installations. Once the power came back (right part of image), he performed a lab check to ensure the proper operation of the experiments. The tools at our hands (visualisation of installations in the lab and the incident map of the electricity provider) are a great help in these moments. Please check the data acquisition systems on your end to make sure that there's no data loss. We apologize for the inconvenience and appreciate your understanding.

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

- On Tuesday, June 10, J. Gisiger and A. Jakupi (Solexperts) injected 55 kg of epoxy resin into borehole BCL-10 to a depth of about 8 m. The remaining section will be resinated next week. The borehole was previously backfilled with gravel.
- On Friday, June 13, S. Schefer (swisstopo) restarted the acoustic seismic monitoring computer after last night's power outage.

## DR-C (Diffusion in a Thermal Gradient) experiment

- On Wednesday, June 11, Y. Lettry (Solexperts) increased the heating module setup temperature up to 75 degrees.

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

- On Friday, June 13, M. Rutschi (Neubrex) replaced the computer for the fiber optic measurements.
- On Friday, June 13, R. Nicol (swisstopo) restarted the UPS for the computer of the heater. The power outage was too much for it (it will be exchanged next week...). With the restarted UPS the heater also restarted.
- On Friday, June 13, S. Schefer (swisstopo) in coordination with S. Tuñón (Amphos21) tried to restart PC2 without success. Heating continues without problems.

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

- From Tuesday to Saturday, June 10–14, S. Braunschweig and F. Durulan (Eul GmbH) continued drilling of BFS-B14b and reached a depth of ca. 68 m. The last run will be drilled on Monday.

## HT (Hydrogen Transfer in Opalinus Clay) experiment

- On Friday, June 13, T. Theurillat (swisstopo) emptied the tedlar bag of the sampling cabinet during the daily labcheck.

## SM-C (Permanent Nanoseismic Monitoring) experiment

- On Thursday, June 12, E. Meier (EMP) and S. Schefer (swisstopo) trouble shooted the high noise issues on one channel of the DAS. Normal measuring could be resumed after cleaning all the contacts on this channel. These measurements are now ongoing for 13 years (**Figure 1**).

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

- On Friday, June 13, T. Theurillat (swisstopo) restarted the geomonitor and refilled the HPT of shaft 1.

## Visits

Day	Date	Group Name	Group Size	Visitors Guide
Wed	11.6.2025	Amicale Des Anciens D'Alstom	31	M. Nussbaum (swisstopo) R. Nicol (swisstopo)
Wed	11.6.2025	FW Industrieberatung Thalwil	10	H. Sager (Nagra)
Thu	12.6.2025	Cycle D'orientation De La Florence, Genève	21	R. Nicol (swisstopo)
Fri	13.6.2025	Amicale Des Anciens Officiers EM Division Territoriale 1	16	R. Nicol (swisstopo)
Sat	14.6.2025	Rotary Club Küsnacht Zürich Und Heilbronn (DE)	24	G. Brusatin (freelance) R. Nicol (swisstopo)

## Figures



**Figure 1: SM-C:** E. Meier readjusting the HLS with the old and now repaired configuration (S. Schefer, swisstopo).