

Mont Terri Project

Underground Rock Laboratory

Report period: August 24–31, 2026

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: Farewell to Caroline Etter. After one year of being with us in Mont Terri, Caroline Etter finishes her internship. To celebrate her achievements and to honor all the support she gave to the project and the team, we had a small grill party... We are very grateful for the time you spent with us, Caroline, and we wish you the best of luck for your future! 🌸

BN (Bitumen-Nitrate-Clay Interaction) experiment

- On Tuesday, August 25, S. Schefer and J. Windisch (swisstopo) removed the spectrolyser cabinet and prepared the shipment back to SCK-CEN.

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

- On Thursday, August 27, M. Ziegler (swisstopo) moved the seismic DAS from PF-A to CL to continue seismic monitoring and conduct active seismic transmission surveys. The acquisition system was deinstalled on August 26th for measurements at the PF-A site.

DB-B (Deep Borehole to resolve the Mont Terri Anticline Hydrogeology) experiment

- On Tuesday, August 25, S. Schefer and J. Windisch (swisstopo) tested the resistance of the newly installed hook above BDR-B1. It withstood a weight of 1 t for five minutes.
- On Wednesday, August 26, F. Schwahn (Terratec) performed logging inside BDB-B1 (OBI, ABI, TC, CBL).

DR-C (Diffusion in a Thermal Gradient) experiment

- On Thursday, August 27, Y. Lettry (Solexperts) refilled the pressure vessel from the heating module and adjusted the circulation flow in BDR-C1 and BDR-C6.
- On Thursday, August 27, S. Schefer (swisstopo) inserted two new vials into the circuits of BDR-C1 and BDR-C6.

DR-D (Heterogeneity of Sandy Facies by Geophysical Characterization and Diffusion Studies) experiment

- On Thursday, August 27, S. Schefer (swisstopo) inserted two new vials into the circuit.

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

- On Tuesday, August 25, S. Schefer (swisstopo) realized that heater 1 is not working properly. Changing it to manual mode did not help. Amphos21 is aware of the situation and looking for a solution.
- On Thursday, August 27, S. Schefer (swisstopo) together with B. Villasante (Amphos21, remote) installed an auxiliary power supply for heater 1 and restarted it in manual mode.

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

- From Wednesday to Thursday, August 26–27, J. Windisch (swisstopo) and P. Cook (LBNL, remote) performed another injection into BFS-B15 until set pressure and shut in.

HT (Hydrogen Transfer in Opalinus Clay) experiment

- On Wednesday, August 26, K. Joeken (Endress+Hauser) removed the Raman spectrometer together with the computer and took it back for repair.
- On Thursday, August 27, Y. Lettry (Solexperts) removed the Raman probe from the circulation system.

PF-A (Progressive Evolution of Structurally-Controlled Overbreaks: Long-term monitoring, hydromechanical simulation and rock testing) experiment

- On Wednesday, August 26, M. Ziegler (swisstopo) moved the seismic DAS from CL to PF-A to conduct active seismic transmission surveys. The transmissions were manually started.

SI-C (Seismic Imaging of the Mont Terri Anticline) experiment

- On Wednesday, August 26, the container for the seismic survey was delivered and put inside the Security Gallery. (**Figure 1**)

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

- On Wednesday, August 26, S. Schefer (swisstopo) restarted the CR800 for the Taupe sensors on behalf of F. Königer (ISU).
- On Thursday, August 27, S. Schefer (swisstopo) refilled the HPT from shaft 1.

WA (Well to caprock integrity monitoring using novel acoustics based techniques) experiment

- From Wednesday to Thursday, August 26–27, M. Ziegler (swisstopo) conducted active seismic transmission surveys at BPF-7, PF-A experiment site. In total, five series of transmissions using 11 transmitters and 11 receivers were carried out, each at a different trigger signal amplitude ranging from ~250 V to 1250 V. H. Goodman (Carbon Sequestration SME) accompanied the measurements on August, 26th. (Figure 2)

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Fri	28.8.2026	KIT Angewandte Geowissenschaften	15	M. Abdelouhabi (freelance)

Figures



Figure 1: SI-C: Ready for the seismic survey (S. Schefer, swisstopo)



Figure 2: WA: Discussing the results in front of BPF-7 (S. Schefer, swisstopo)