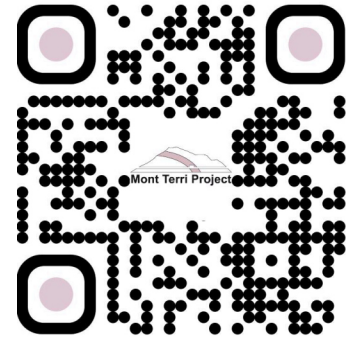


Mont Terri Project Underground Rock Laboratory

Report period: October 13–19, 2025

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: The beautiful colours of the fall are back in St-Ursanne! This time of the year it is particularly beautiful to enter the tunnel during the morning mist and come out of the tunnel and enjoy the last sunlight during the golden hour. And for everyone travelling to St-Ursanne by train - the construction work between Basel and Delémont is over and the train connections are back to normal. So why not consider to visit us one of these days? We're looking forward to receiving you! (Fig. S. Schefer, swisstopo).

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

- On Thursday, October 16, P. Wersin and J. Ma (Uni Bern), together with J. Gysiger (Solexperts), installed and injected 288.16 g water traced by stable 18-O and Iodine into the circuit of the injection cabinet. Flowrate is set to 10 ml/ min at a pressure of 7.7 bar, which is equal to the present hydrostatic pressure of the still decoupled interval. A 2 ml water sample was taken before injection and another one after 6 hours of circulation. The works were supervised by D. Jaeggi, J. Windisch and J. Bender (swisstopo) (**Figure 1**).
- On Thursday, October 16, M. Ziegler (swisstopo) restarted the GmuG DAS before the injection started.

DR-C (Diffusion in a Thermal Gradient) experiment

- From Monday to Thursday, October 13–16, J. Windisch (swisstopo) inverted the flow from regular to inverse and back to increase the flow.

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

- On Monday, October 13, C. Etter, J. Windisch, J. Bender and S. Schefer (swisstopo) installed a cable trail and a new board to fix the fiber optic cables to the connection boxes.
- On Friday, October 17, M. Robertson and S. Glubokovskikh (LBNL) started routing the monitoring cables from BFS-B15, BFS-B16 and BFS-B17 to the connection board and tested the sensor cables. They were supported by J. Bender and S. Schefer (swisstopo) for the routing on the tunnel top (**Figure 2**).

HT (Hydrogen Transfer in Opalinus Clay) experiment

- On Thursday, October 16, J. Windisch (swisstopo) emptied the Tedlar bag attached to the BHT-1 system.

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

- On Monday, October 13, J. Windisch (swisstopo) refilled the HPT of shaft 1.

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Thu	16.10.2025	Seniorenuniversität Bern	30	R. Möri (swisstopo) S. Schefer (swisstopo)
Sat	18.10.2025	Twerenbold Reisen AG	42	G. Brusatin (freelance) R. Nicol (swisstopo)
Sat	18.10.2025	Naturforschende Gesellschaft Baselland	15	R. Nicol (swisstopo)

Figures



Figure 1: CL: Preparation for water sampling (D. Jaeggi, swisstopo).



Figure 2: FS-B: Full of energy and commitment to preparing the monitoring boreholes for the upcoming stimulation (J. Bender, swisstopo).