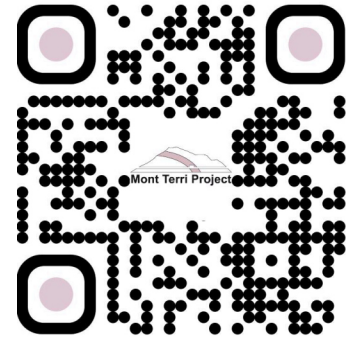


Mont Terri Project Underground Rock Laboratory

Report period: October 6–12, 2025

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: On Monday, October 6, we welcomed Joël Bender as our new civil servant. He will stay with us for four weeks and we're looking forward to a nice collaboration (Fig. J. Windisch, swisstopo).

CD-A (Influence of Humidity on Cyclic and Long-Term Deformations) experiment

- On Thursday, October 9, C. Etter, J. Bender and J. Windisch (swisstopo) measured the lengths and the apertures of cracks in both twin niches to understand the cyclic deformation and possible deterioration of gallery walls.
- On Friday, October 10, C. Etter (swisstopo) described the lithology at the ERT intersections in the closed niche (**Figure 1**).

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

- From Tuesday to Wednesday, October 7–8, C. Marion (EAWAG) conducted a leak test at the CL experiment. The leak in gas loop 4 was identified, the leaky pump was changed and monitoring continues to guarantee tightness (**Figure 2**).
- On Wednesday, October 8, J. Windisch (swisstopo) restarted the ERT-computer in the CL niche.

DR-C (Diffusion in a Thermal Gradient) experiment

- From Monday to Friday, October 6–10, J. Windisch (swisstopo) inverted the flow from regular to inverse and back to increase the flow every day for approximately 30-60 min.

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

- On Monday, October 6, S. Schefer (swisstopo) restarted the Neubrex computer on behalf of A. Guzik (Neubrex).
- On Wednesday, October 8, J. Windisch (swisstopo) restarted a computer (small, at the top) in the Neubrex fiberoptic cabinet.
- On Friday, October 10, A. Guzik (Neubrex) replaced the computer for the database of the fibre optic system.

LT (Long-Term Monitoring) experiment

- On Thursday, October 9, C. Etter, J. Bender and J. Windisch (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.

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Mon	6.10.2025	Commission De La Science, De L'éducation Et De La Culture (Parlement Fédéral)	20	D. Jaeggi (swisstopo) S. Schefer (swisstopo)
Tue	7.10.2025	Enter Technikwelt Solothurn	17	R. Nicol (swisstopo)
Wed	8.10.2025	Seismic Group, Hayet Michel	4	H. Sager (Nagra)
Sat	11.10.2025	Group Annette Von Segesser	10	G. Brusatin (freelance)

Figures



Figure 1: CD-A: Investigating the rock in the closed niche (J. Windisch, swisstopo).



Figure 2: CL: C. Marion working in the CL Niche (J. Windisch, swisstopo).