

Mont Terri Project

Underground Rock Laboratory

Report period: August 31, 2026 – September 7, 2026

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: Deborah seismic survey: the vibro truck has arrived! For the next 10 days, GFZ Potsdam will perform a seismic survey of the Mont Terri anticline. Geophones inside the Security Gallery, in a string inside BDB-B1 and on the surface along the trace of the Security Gallery will record the vibration of the truck along 15 sections and result in a seismic image of the Mont Terri anticline. We are very excited to see the results!

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

- On Monday, August 31, D. Jaeggi (swisstopo) with remote assistance of J. Gisiger (Solexperts) increased the injection pressure by 0.2 MPa to 2.2 MPa. He also refilled the CO₂ tanks to 20 bar and set all Eh and pH probes to monitoring mode.

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

- On Friday, September 4, S. Lüth, K. Thissen, M. Groh, B. Wawerzinek and M. Töpfer (GFZ Potsdam) prepared the borehole tools for the upcoming vertical seismic profiling (VSP). (Figure 1)

DR-C (Diffusion in a Thermal Gradient) experiment

- On Monday, August 31, S. Schefer and J. Windisch (swisstopo) took sample #12 from sampler #3 from BDR-C1 and BDR-C6 and measured the pH. Contamination tests showed no activities above background.

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

- On Monday, August 31, S. Schefer J. Windisch (swisstopo) took sample #12 from BDR-D3 (sampler #3) and measured the pH. Contamination tests showed no activities above background.

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

- On Thursday, September 3, S. Schefer (swisstopo) refilled both HPT for shaft 1 and 2.

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Tue	1.9.2026	OSLA Langnau	22	C. Sonino (freelance) N. Näf (freelance)
Wed	2.9.2026	Freie Universität Berlin	17	R. Schneeberger (Nagra) / A. Landgraf (Nagra)
Thu	3.9.2026	ABB, Theoretical And Computational Methods Team	12	R. Nicol (swisstopo)
Fri	4.9.2026	Swisstopo, F. Wyss	17	R. Nicol (swisstopo)

Figures



Figure 1: DB-B: The VSP probe is Bering assembled in front of BDB-B1 (J. Windisch, swisstopo)