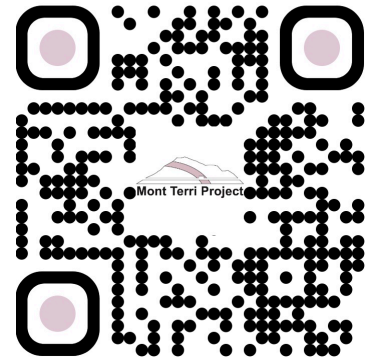


Mont Terri Project

Underground Rock Laboratory

Report period: June 1–8, 2026

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: On Wednesday, June 3, three apprentices in geomatic from swisstopo visited the lab to perform photogrammetry and laser scanning inside Ga18. Together with N. Rentsch and S. Schefer (swisstopo) they compared the two techniques to acquire 3D models inside a tunnel. After measuring, constructing and geo referencing the two models, pros and cons were evaluated (accuracy vs speed vs cost). Both techniques produced very accurate models (Fig. S. Schefer, swisstopo).

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

- On Thursday, June 4, S. Schefer (swisstopo) restarted the computer for the psychrometric measurement and replaced the alimentation.

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

- From Monday to Tuesday, June 1–2, the Stump team installed the NQ drilling rods down to 774 m and started coring. After three meters of nice core, the cable of the winch broke and the rods needed to be pulled to free the core barrel.
- On Friday, June 5, the Stump team continued drilling BDB-B1 to a depth of 782.58 m, producing roughly 5 m of NQ core to treat for the sampling team.

DR-C (Diffusion in a Thermal Gradient) experiment

- On Tuesday, June 2, S. Schefer and J. Windisch (swisstopo) took sample #9 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 Tuesday, June 2, S. Schefer and J. Windisch (swisstopo) took sample #9 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, June 4, J. Windisch (swisstopo) refilled the HPT from shaft 1.