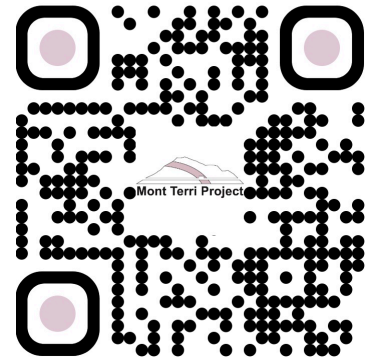


# Mont Terri Project

## Underground Rock Laboratory

Report period: April 27, 2026 – May 3, 2026

Assembled and edited by swisstopo, St-Ursanne



**Spotlight of the week:** 30th Anniversary of the Mont Terri Project! At the Technical Meeting TM43 we celebrated 30 years of sharing knowledge within the Mont Terri community. 25 talks and many posters gave insights into current experiments or presented reviews of the findings from the last 30 years of research. The two keynote speakers (A. Pautz, PSI/EPFL, and B. Valley, Université de Neuchâtel) presented visions for future research. We also published proceedings to this meeting, containing peer-reviewed papers of past and ongoing experiments. A huge thank you to all authors and reviewers! (Download of the proceedings: <https://www.mont-terri-meeting.ch/wp-content/uploads/2026/04/Conference-Proceedings-MTTM43.pdf>). We are looking forward to seeing you all next year! (Fig. S. Schefer, swisstopo).

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

- On Tuesday, April 28, S. Tuñón and J-L. Garcia (Amphos21) installed another computer to isolate psychrometers from Vaisala sensors.
- On Thursday, April 30, F. Königer (ISU) changed the computer at CD-A.

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

- On Monday, April 27, D. Jaeggi (swisstopo) set all Eh and pH probes to monitoring mode.
- On Tuesday, April 28, M. Ziegler (swisstopo) moved the seismic DAS from PF-A to CL to continue seismic monitoring and conduct active seismic transmission surveys.

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

- From Monday to Friday, April 27 to May 1, the Stump team continued drilling HQ from 557 m down to 647 m into the Gansinger dolomite.
- From Monday to Friday, April 27 to May 1, the sampling teams of GFZ, BGR and NWS treated cores from a big variety of different members inside the Staffelegg and Klettgau Formation. (**Figure 1**)

## FE (Full Scale Emplacement Demonstration) experiment

- On Tuesday, April 28, S. Tuñón and J-L. Garcia (Amphos21) reviewed the data provided by the thyristors and converters to get data and evaluate the reasons for the noisy readings.

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

- On Tuesday, April 28, M. Ziegler (swisstopo) moved the seismic DAS from CL to PF-A to conduct active seismic transmission surveys. The transmissions were manually started.

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

- On Monday, April 27, F. Königer (ISU) performed maintenance on one of the taupe sensors in shaft 2.
- On Thursday, April 30, J. Windisch (swisstopo) refilled the HPT from shaft 1.

## Varia

- From Wednesday to Thursday, April 29–30, the Technical Meeting TM43 took place in Porrentruy. During the two days, over 170 participants from all partners met and shared their insight into the different experiments with many interesting talks and a poster session. As a special treat in view of the 30th anniversary we listened to a concert of the Strings of the Swiss Symphonic Orchestra, conducted by A. Neufeld. A lab visit concluded the meeting. We thank all participants for their contributions and the many fruitful discussions! (**Figure 2**).

## Visits

Day	Date	Group Name	Group Size	Visitors Guide
Thu	30.4.2026	Technical Meeting	48	D. Jaeggi (swisstopo) M. Ziegler (swisstopo) S. Schefer (swisstopo)

## Figures



Figure 1: DB-B: Selection of core material: Klettgau Formation (top) and Beggingen Mb of the Stafflegg Formation (bottom) (S. Schefer, swisstopo)



Figure 2: Varia: Group photo of most of the participants during the concert (S. Schefer, swisstopo)