



# Mont Terri Project

## Underground Rock Laboratory

ANDRA BASE BGE BGR CHEVRON CRIEPI DOE ENRESA ENSI ETH FANC GRS HELMHOLTZ IRSN JAEA NAGRA NWMO OBAYASHI RWM SCK•CEN SWISSTOPO TOTAL

## Mont Terri Rock Laboratory

### Field report: September 20–26, 2021 (Phase 27)

#### GT (Gas Transport Models and the Behavior of OPA to Gas Pressure) experiment

- On Thursday, J. Gisiger and A. Ammon (Solexperts) installed a new injection cabinet for the GT experiment (**Figure 1**).

#### HS (Hydrogeological Survey of the Mont Terri Anticline) experiment

- On Thursday, J. Gisiger and A. Ammon (Solexperts) adjusted the packer pressures for BHS-1.

#### HT (Hydrogen Transfer in Opalinus Clay) experiment

- On Monday, Wednesday and Friday, T. Theurillat and S. Schefer (swisstopo) took water samples from the newly installed port.
- On Tuesday, S. Schefer isolated the uppermost sampling vial from the circulation loop.

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

- On Tuesday, D. Jaeggi (swisstopo) readjusted the pressure on the injection borehole for shaft 1 to 1.6 bar, after the injection tube had been open since last Tuesday due to a leakage at the flange.
- From Tuesday to Friday, M. Komischke, M. Middelhoff, A. Rogalski and B. Zehle (GRS) continued drilling the previously started BSW-B30 in Ga08 with a newly repaired drill rig down to 8 m (**Figure 2**). The retrieved cores were documented and sampled by the GRS-team.

#### Announcements

- The scientific symposium to celebrate the 25<sup>th</sup> anniversary of the Mont Terri laboratory will take place on 25 January 2022 in Porrentruy (Switzerland). This day will also be the occasion to officially say goodbye to Paul Bossart, former director of the Mont Terri Project from 2005 to 2020.
- The traditional annual technical meeting (TM-39) will take place on 26 and 27 January 2022, also in Porrentruy. Save the dates!

#### Visits

Thu	23.09.2021	Students Kit Edu, Karlsruhe (D)	14	M. Ziegler D. Jaeggi
Thu	23.09.2021	Gymnasium Münchenstein	15	C. Boner
Fri	24.09.2021	Tiefbauamt Basel Stadt	54	C. Boner H. Hauser S. Schefer
Fri	24.09.2021	Old Table 162, Sigmaringen (D)	9	O. Moser

Sat	25.09.2021	Leserreise "Der Glattfelder"	25	L. Oesch
Sat	25.09.2021	Bachem AG, Bubendorf	15	C. Boner

D. Jaeggi and S. Schefer, September 25, 2021



**Figure 1: GT:** Installation of the new cabinet (Photo: S. Schefer, swisstopo).



**Figure 2: SW-A:** The GRS-team retracting a core (Photo: S. Schefer, swisstopo).