



Mont Terri Project

Underground Rock Laboratory

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

Mont Terri Rock Laboratory

Field report: November 29 – December 5, 2021 (Phase 27)

Distribution

BN (Bitumen-Nitrate-Clay Interaction) experiment

- On Monday, S. Schefer (swisstopo) took the last sampling container from interval 3 and also removed the clay loop.
- On Tuesday, T. Theurillat (swisstopo) sent the samples to SCK°CEN.

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

- On Thursday, L. Schwab (Solexperts) performed a hydro test in interval 2 of BGT-10.

HS (Hydrogeological Survey of the Mont Terri Anticline) experiment

- On Thursday, D. Jaeggi (swisstopo) opened the valve in the morning and took a sample in the afternoon at 14:30. The sample will be analysed on Tritium at Hydroisotop and is the initial sample for the assessment of age and origin of the water out of Beggingen Member (interval 2 of BHS-1).

HT (Hydrogen Transfer in Opalinus Clay) experiment

- On Monday, Wednesday and Friday, T. Theurillat (swisstopo) took two water samples.

MH (Long-Term Monitoring of Heaves and Displacement) experiment

- From Monday to Friday, the PI S. Condamin, Y. Motzer and N. Trabucchi (swisstopo) performed a levelling survey of all the fixpoints inside the lab and the southern part of the safety gallery (**Figure 1**).

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

- On Thursday, L. Schwab (Solexperts) fixed the data acquisition for a part of shaft 1 by disconnecting a faulty sensor in the cabinet (**Figure 2**). Next week the pressure will be increased by another bar.

Announcements

- The **Visitor Center is closed now** due to new COVID-19-regulations. Most of the Mont Terri team is working in home-office again.
- Access to the lab for scientific or maintenance missions is still possible. We like to remind you that all persons require a **COVID-19-certificate (3G)**.
- The lab will be closed for winter break from **December 20 to January 2**.

Visits

- No visits took place this week.



Figure 1: MH: Levelling over the Main Fault in Ga08 (Photo: S. Condamin, swisstopo).



Figure 2: SW-A: L. Schwab found the faulty sensor and disconnected it (Photo: S. Schefer, swisstopo).