Mont Terri Project
Underground Rock Laboratory

Field report: January 18-25, 2021 (Phase 26)

CS-A (Caprock Integrity & CO₂ Leakage Remediation) experiment
- On Monday, J. Gisiger (Solexperts) tried to resin a section inside BCS-A1. Unfortunately the pump broke and the work could not be completed.

CS-D (CO₂: Studying Caprock and Fault Sealing Integrity) experiment
- On Tuesday, C. Nicaty and S. Schefer (swisstopo) performed miniRuedi measurements and took a fluid sample.

FM-D (Evaporation Logging) experiment
- On Tuesday, K. Abumi (Nagra, Obayashi) was on site to collect data and exchange the SD-cards of the acquisition computers (Figure 1).

GT (Gas Transport Models and the Behavior of OPA to Gas Pressure) experiment
- Monday to Wednesday, J. Gisiger (Solexperts) prepared for the pulse test and installed the equipment needed for the monitoring of the GT-probes (Figure 2).
- Monday and Tuesday, E. Huguenot and B. Helmlinger (Solexperts France) installed a Luna fibre-optic measuring device and performed a pulse test inside BGT-2 (Figures 3 and 4).
- On Tuesday, T. Fierz (Solexperts) visited the GT-site.

PF (Progressive Rock Mass Failure and Overbreak Sealing) experiment
- On Tuesday, M. Ziegler (ETHZ) performed photogrammetry measurements inside BPF-7. He also adjusted the two cameras inside the borehole for ftp transfer of the picture onto the servers at ETH.
- On Tuesday and Wednesday, C. Nicaty and P. Steiner (swisstopo) adapted the covers of the rails and installed the now larger protective covers inside BPF-7.

Varia
- Due to the corona restrictions in Switzerland, we are now obliged to work in home office. The lab will stay open, but we have very reduced resources on site. So please plan your trip thoroughly and well in advance.

- Announcement: The summer break of the Mont Terri rock laboratory will be from July 19 until August 6, 2021. This year’s closing lasts only for three weeks. This will allow for a bit more flexibility for the partners in yet another very special year.

Visits
- There were no visits this week due to COVID-19 restrictions. We will keep you informed about any development.

D. Jaeggi and S. Schefer, January 23, 2021
Figure 1: FM-D: K. Abumi exchanging SD-cards (Photo: S. Schefer, swisstopo).

Figure 2: GT. J. Gisiger installing cables for the acquisition system (Photo: S. Schefer, swisstopo).
Figure 3: GT. B. Helmlinger is getting ready for spicing the last fibre-optic cables (Photo: S. Schefer, swisstopo).

Figure 4: GT. E. Hueguenot (Photo: S. Schefer, swisstopo).