Mont Terri Rock Laboratory

Field report: September 27–October 3, 2021 (Phase 27)

FE-M (Long-Term Monitoring of the Full-Scale Emplacement Experiment) experiment
- On Thursday, B. Firat (Nagra) made manual thermal conductivity measurements with a KD2 device (Figure 1). She also measured the electrical resistivity in BFE-B49 with a PR2 probe to calculate the water content. B. Firat and S. Schefer (swisstopo) also refilled the heating bath.

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.

SW-A (Large-Scale Sandwich Seal in Opalinus Clay) experiment
- From Monday to Thursday, M. Komischke, M. Middelhoff, A. Rogalski and B. Zehle (GRS) finished boreholes BSW-B30 and BSW-B31 (inclination 66° and 90°, respectively) in the Sandy Facies down to 8 m depth (Figure 2). The first 5 m were drilled in a destructive manner, the second 3 m with a single core barrel. The total length of bore core samples was 2.6 m and 3.3 m, respectively. The individual length of samples ranged between few centimeters and some decimeters. The cores are taken back to GRS to be analysed.
- On Thursday, M. Komischke spent the last day of his professional career working in Mont Terri. Thank you Michael for all the work you did in Mont Terri! We wish you a wonderful, happy and joyful retirement and look forward to seeing you as a guest in St-Ursanne any time!

Varia
- Tuesday to Friday, D. Rondez and D. Zuber (Zuber Sàrl) started renovation work on the concrete floor in the Niche EZ-A and the beginning of Ga04.
- On Friday, V. Schneider spent his last day as a civil servant in Mont Terri. We wish you good luck for the upcoming PhD and thank you for your help!
- Announcement: There will be no weekly report in the upcoming two weeks due to holidays of the authors… 😊

Visits

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<tr>
<td>Mo</td>
<td>27.09.2021</td>
<td>Gymnasium Münchenstein</td>
<td>44</td>
<td>H. Hauser, H. Hänggi</td>
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<tr>
<td>Wed</td>
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<td>23</td>
<td>V. Regard, R. Nicol</td>
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Figure 1: FE-M: B. Firat is taking measurements inside the FE-tunnel (Photo: S. Schefer, swisstopo).

Figure 2: SW-A: Drilling of cores on the final meters of BSW-B31 (Photo: S. Schefer, swisstopo).