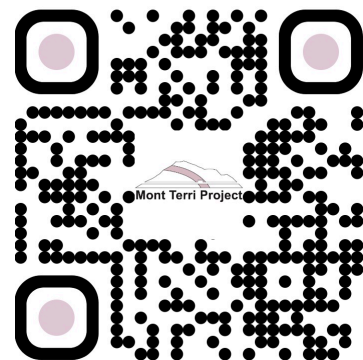
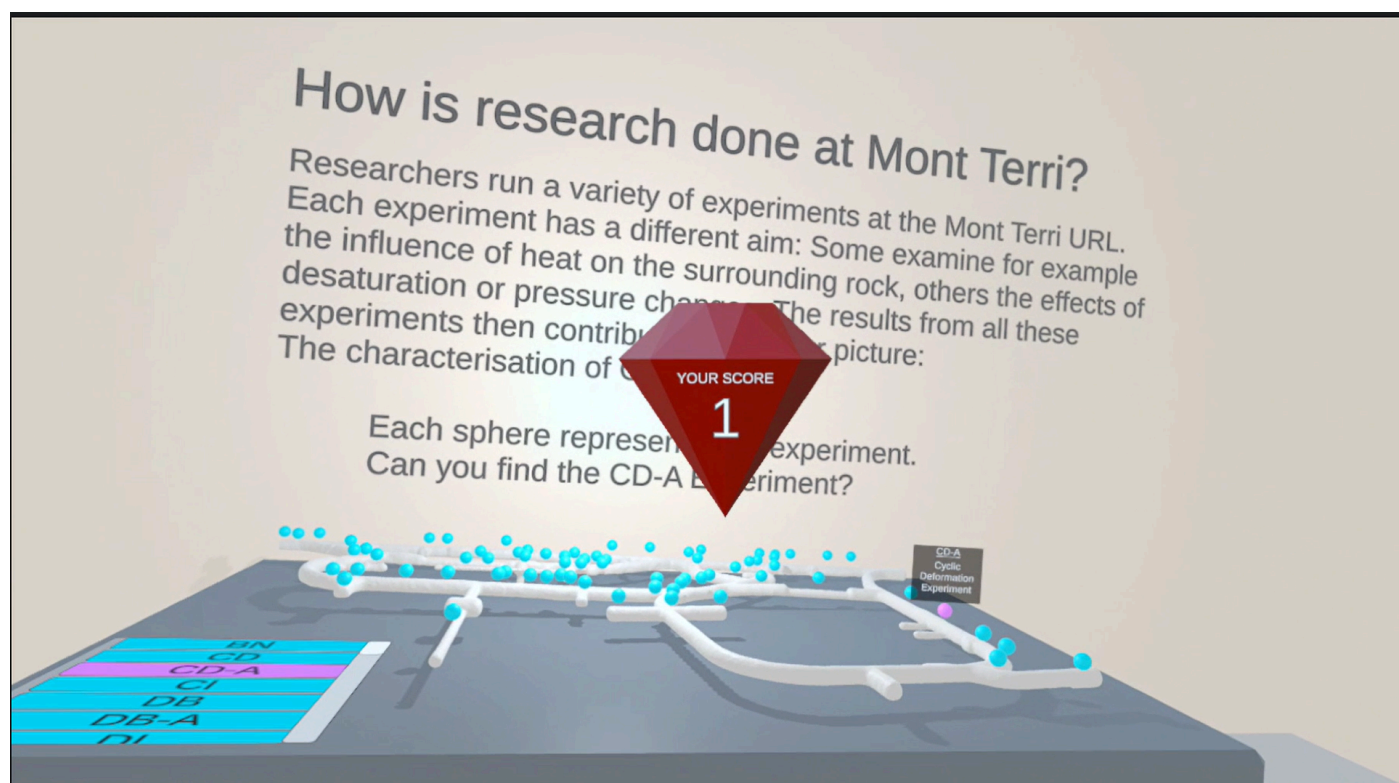


# Mont Terri Project Underground Rock Laboratory



Report period: February 3–9, 2025

Assembled and edited by swisstopo, St-Ursanne



**Spotlight of the week:** A virtual reality project is now operational for the visitor centre. It was developed by our partner Helmholtz (UFZ Leipzig) in collaboration with the Mont Terri team (swisstopo) in St-Ursanne. It is a 'serious game' based on the CD-A (Twin Niches) experiment, intended for young school visitors. Once the virtual reality glasses are on, the player finds himself in virtual rooms of the visitor centre where he discovers what a URL is and the various experiments. After putting on a helmet and a safety vest, he goes to the laboratory to carry out tasks on the CD-A experiment: installing sensors, collecting and learning to read and organise the data. We are eager to give our young visitors the chance to have this experience. This will take the place of the presentation and is not a substitute for a visit to the laboratory. It may also be of interest to people who cannot go to the laboratory for whatever reason.

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

- On Thursday, February 6, M. Abdelouhabi (swisstopo) referenced 30 samples from BCL-10 for chemical analyses.
- On Friday, February 7, M. Abdelouhabi (swisstopo) measured the mass of 14 samples from BCL-09 and BCL-10 for water content and petrophysical analyses.
- On Friday, February 7, M. Abdelouhabi and M. Stöpfer (swisstopo) vacuumed and sealed samples of BCL-09 in aluminium bags.

## CS-E (Mini-Fracturing and Sealing) experiment

- On Friday, February 7, A. Rinaldi (ETHZ) performed miniRuedi measures inside BCS-D2, refilled the mixing tank and changed the DSS-computer.

## FE-M (Long-Term Monitoring of the Full-Scale Emplacement Experiment) experiment

- On Tuesday, February 4, S. Schefer (swisstopo) refilled the calibration bath with 30 l of demineralized water.

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

- On Monday, February 3, S. Braunschweig and F. Durulan (Eul GmbH) installed the drill rig for BPF-A4 and drilled the concrete. S. Schefer (swisstopo) oriented the rig to 265/10.
- From Tuesday to Wednesday, February 4–5, X. Shi and J. Bensing (University Leoben), together with M. Ziegler (swisstopo), logged and optically 3D-scanned the core of BPF-A4, and optically logged the borehole. All core was vacuum-sealed and will be used for micromechanical and microstructural investigations (**Figure 1**).
- From Tuesday to Wednesday, February 4–5, S. Braunschweig and F. Durulan (Eul GmbH) drilled BPF-A4 to a final depth of approximately 12.6 m.

## Figures



**Figure 1: PF-A:** The sampling team during the description of the samples (S. Schefer, swisstopo).