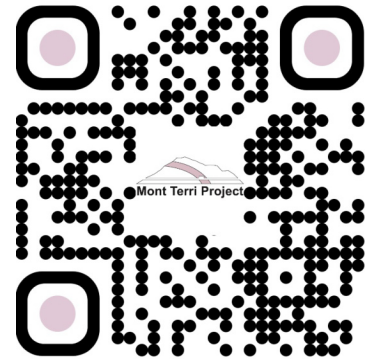


# Mont Terri Project Underground Rock Laboratory

Report period: November 18–24, 2024

Assembled and edited by swisstopo, St-Ursanne



**Spotlight of the week:** In the framework of the SI-C experiment, GFZ Potsdam together with DMT performed a small seismic campaign on to roads on top of the rock laboratory. .

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

- On Tuesday, November 19, D. Jaeggi at BCL-6 started a constant head injection test at 8 bar for resaturation of the interval. The former pressure was close to air pressure.
- On Thursday, November 21, M. Abdelouhabi (swisstopo) inserted the ventilation tube into BCL-3 and closed BCL-6.
- On Friday, November 22, M. Ziegler (swisstopo) inserted the ventilation tube into BCL-7 and closed BCL-4.
- On Friday, November 22, M. Ziegler (swisstopo) inserted the ventilation tube into BCL-4 and closed BCL-3.

## DR-C (Diffusion in a Thermal Gradient) experiment

- On Tuesday, November 19, Y. Lettry (Solexperts) increased the circulation temperature of BDR-C1 in several steps up to 57.5 °C and started the circulation in BDR-C6 interval 2 with the circulation module.

## FE-G (Monitoring the Gas Composition within the FE Experiment) experiment

- On Tuesday, November 19, Y. Lettry (Solexperts) searched a leak on the gas circulation pump.

## SI-C (Seismic Imaging of the Mont Terri Anticline) experiment

- From Monday to Thursday, November 18–21, S. Lüth, B. Wawerzinek, R. Giese, K. Krüger and K. Thissen (GFZ), together with U. Ruf (DMT), performed seismic measurements on the hills above the laboratory using a mid-size seismic vibrator truck. Geophones were placed along the two lines on the surface and along the Security Gallery in the rock lab (**Figure 1**).

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

- On Tuesday, November 19, T. Theurillat (swisstopo) replaced the two nitrogen bottles for the injection boreholes.

## Visits

Day	Date	Group Name	Group Size	Visitors Guide
Wed	20.11.2024	Police Cantonale JU	11	R. Nicol (swisstopo)
Wed	20.11.2024	UETP Voirie Delémont	32	J.-P. Meusy (freelance) R. Nicol (swisstopo)
Thu	21.11.2024	Digitalisierungskonferenz VBS	15	R. Nicol (swisstopo)
Fri	22.11.2024	SBB Team Kabel Olten	25	G. Brusatin (freelance) R. Nicol (swisstopo)
Fri	22.11.2024	EAWAG, Dübendorf	25	D. Jaeggi (swisstopo)
Sat	23.11.2024	Alumni EPFL, J.-Ph. Amstein	40	C. Nussbaum (swisstopo) J.-P. Meusy (freelance) R. Nicol (swisstopo)

## Figures



**Figure 1: SI-C:** A geophone in Outremont is shaken by the vibro-truck and stays ice cold... (S. Schefer, swisstopo).