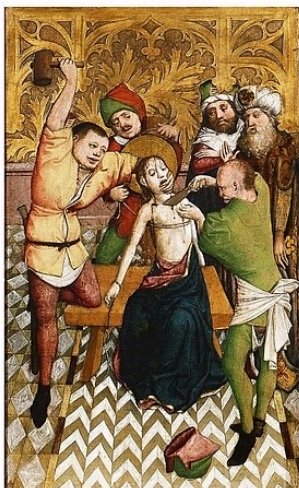
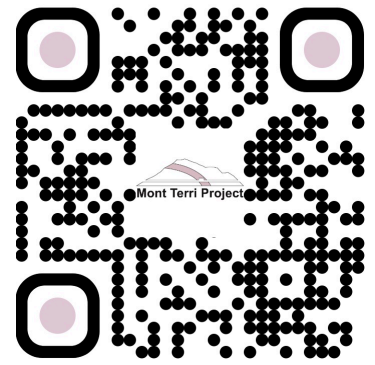


Mont Terri Project Underground Rock Laboratory

Report period: December 1–7, 2025

Assembled and edited by swisstopo, St-Ursanne



Spotlight of the week: Santa Barbara: like every year on December 4, we celebrated Santa Barbara, the patroness of geologists. She is often portrayed with miniature chains and a tower to symbolize her father imprisoning her. As one of the Fourteen Holy Helpers, Barbara is a popular saint, perhaps best known as the patroness saint of armourers, artillerymen, military engineers, miners and others who work with explosives because of her legend's association with lightning (Figure and most of the text: Wikipedia. Consider donating for free knowledge...).

CD-A (Influence of Humidity on Cyclic and Long-Term Deformations) experiment

- On Wednesday, December 3, C. Etter and J. Windisch (swisstopo) measured the lengths and the apertures of cracks in both twin niches to understand the cyclic deformation and possible deterioration of gallery walls.

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

- On Friday, December 5, S. Schefer (swisstopo) took sample #13 from the circulation interval of BCL-9.

DR-C (Diffusion in a Thermal Gradient) experiment

- On Friday, December 5, S. Schefer (swisstopo) took a water sample from the circulation interval of BDR-C1 and BDR-C6 and sent them to F. Heberling (KIT) for analyses.

DR-D (Heterogeneity of Sandy Facies by Geophysical Characterization and Diffusion Studies) experiment

- On Friday, December 5, S. Schefer (swisstopo) took a water sample from the circulation interval of BDR-D3 and sent it to F. Heberling (KIT) for analyses.

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

- On Wednesday, December 3, J. Windisch (swisstopo) restarted the miniRuedi computer.

IS-E (In-situ stress measurements using a novel flat jack method) experiment

- From Monday to Tuesday, December 1–2, A. Engelke, C. Fixar and D. Novotny(BGR) worked on repairing the drill rig and abandoned on Tuesday morning. They took the drilling machine back to Germany.

LT (Long-Term Monitoring) experiment

- On Wednesday, December 3, C. Etter and J. Windisch (swisstopo) measured the changes of the x/y/z axis of the joint meter in Niche EZ-B and at the main fault in Ga98.

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

- On Friday, December 5, S. Schefer (swisstopo) refilled the HPT of shaft 1.

Visits

Day	Date	Group Name	Group Size	Visitors Guide
Tue	2.12.2025	AGNEB	8	C. Nussbaum (swisstopo) D. Jaeggi (swisstopo)
Wed	3.12.2025	Obayashi Corp.	2	D. Jaeggi (swisstopo)
Wed	3.12.2025	Institut Für Sicherheits- Und Risikowissenschaften, University Of Vienna	10	M. Rahn (ENSI)
Wed	3.12.2025	Police Cantonale JU / GMO	23	R. Nicol (swisstopo)
Thu	4.12.2025	Intermines Suisse	16	R. Nicol (swisstopo)