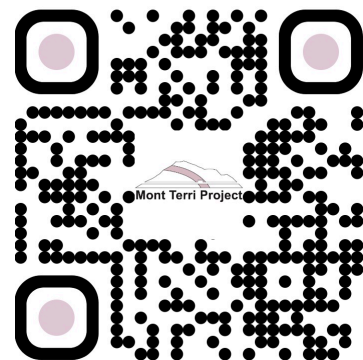
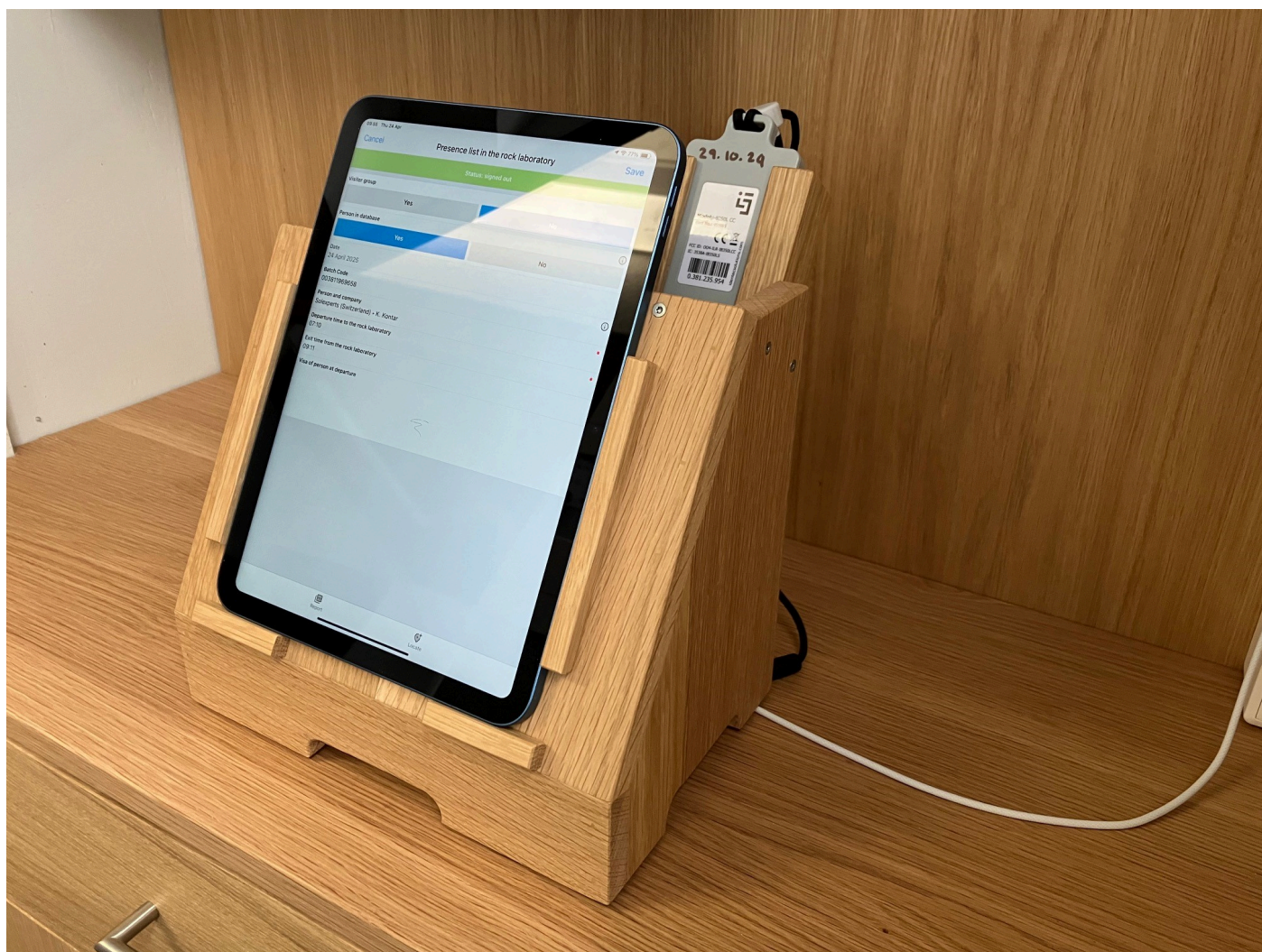


# Mont Terri Project Underground Rock Laboratory



Report period: April 28, 2025 – May 4, 2025

Assembled and edited by swisstopo, St-Ursanne



**Spotlight of the week:** As part of our digitalisation process, we have now completed the redesign of the registration desk. A custom-made piece of furniture has been created with a tablet holder for you to register before entering the rock laboratory. The tablet holder has a slot at the back for easy badge scanning. We would like to take this opportunity to remind you that as an external collaborator coming to work in the rock laboratory, you must write a description of each task you carry out in the application created for this purpose by the Mont Terri team. A tutorial is available at the following address to explain how to enter the work you have completed in our application. <https://youtu.be/UL6zqmfdpp0> Thank you for your cooperation.



## FS-B (Imaging the Long-Term Loss of Faulted Host Rock Integrity) experiment

- On Monday, April 28, F. Schwahn and L. Köhler (Terratec) performed OBI, natural gamma and caliper logs inside BFS-B13.
- On Monday, April 28, J. Gisiger, H. Geisser and A. Scholl (Solexperts) prepared the material for the installation of the monitoring system inside BFS-B16.
- From Monday to Wednesday, April 28–30, S. Braunschweig and F. Durulan (Eul GmbH) continued drilling BFS-B16 to 45 m.
- On Tuesday, April 29, J. Gisiger, H. Geisser and A. Scholl (Solexperts) installed fibres (SMF and MMF), ERT-sensors inside a wire and SP (self potential)-sensors behind the PVC casing inside BFS-B13 (**Figure 1**).
- On Wednesday, April 30, J. Gisiger, H. Geisser and A. Scholl (Solexperts) cemented the annulus of the PVC casing with Pumice cement (**Figure 2**).

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

- On Monday, April 28, S. Schefer (swisstopo) rebooted the DAS for the ERT measurements in shaft 2.
- On Tuesday, April 29, S. Schefer replaced the ERT measurement device on SW-A1.
- On Wednesday, April 30, T. Theurillat (swisstopo) refilled the HPT of shaft 1.

## Visits

Day	Date	Group Name	Group Size	Visitors Guide
Tue	29.4.2025	Neue MitarbeiterInnen Nagra	11	H. Sager (Nagra)
Fri	2.5.2025	Université De Genève, Sciences De La Terre	31	M. Abdelouhabi (swisstopo) R. Nicol (swisstopo)
Sat	3.5.2025	Feuerwehr Regio-Jegenstorf	18	H. Sager (Nagra) M. Brupbacher (Nagra)

## Figures



**Figure 1: FS-B:** Installation of the monitoring system into BFS-B13 (S. Schefer, swisstopo).





**Figure 2: FS-B:** Injection of the Pumice cement into BFS-B13 (S. Schefer, swisstopo).