Practical information

Registration

Pre-enrol is mandatory through the online form, **by May 30, 2016**. For safety reasons, the registrations will be limited to **30 participants** and the priority will be given to BLUG and SBGIMR-BVIGRM members.

Register here

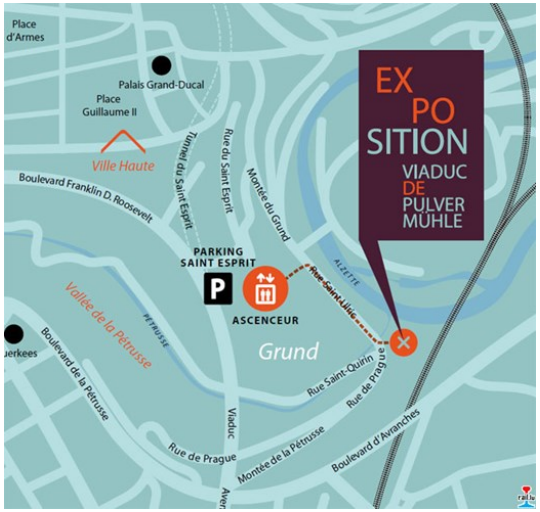
Fees

The study day is free of charge for BLUG or SBGIMR-BVIGRM members. 20€ fee is required for the non-members (including lunch sandwich). Please proceed by bank transfer on the SBGIMR/BVIGRM account - IBAN : BE85 0015 3285 2806 - BIC : GEBABEBB with the communication « JE 2/6/15 + name »

Access route

- By train : the construction site is located at 1,2km of Luxembourg-city train station and at walking distance
- By car : the construction site is at walking distance from Saint Esprit parking (lift)

The meeting will be held on June 2nd at 10h00 sharp at the entrance of the construction site (showroom)



Personal safety equipment

Visitors are requested to bring their personal safety equipments : safety helmet and shoes.

Belgian Society for Engineering Geology and Rock Mechanics
www.sbgimr.ulg.ac.be
Contact : Fanny Descamps
fanny.descamps@umons.ac.be
+32 65 37 45 17

Geological and Geotechnical Study Day

The Pulvermühle viaduct

Thursday 2nd June 2016

Belgian Society for Engineering Geology and Rock Mechanics

Belgium-Luxembourg Union of Geologists

The Pulvermühle viaduct

The BLUG and the SBGIMR-BVIGRM co-organise a joint visit of a major construction site in Luxembourg-city. The modification of the northern exit of the Luxembourg-city train station required the construction of a new railway viaduct across the Alzette valley, as well as various excavations for a total cost of 250 000 000 €.

Programme

10:00 : Welcome note

10:15 : Presentations

12:15 : Lunch

13:30 : Visit of the construction site

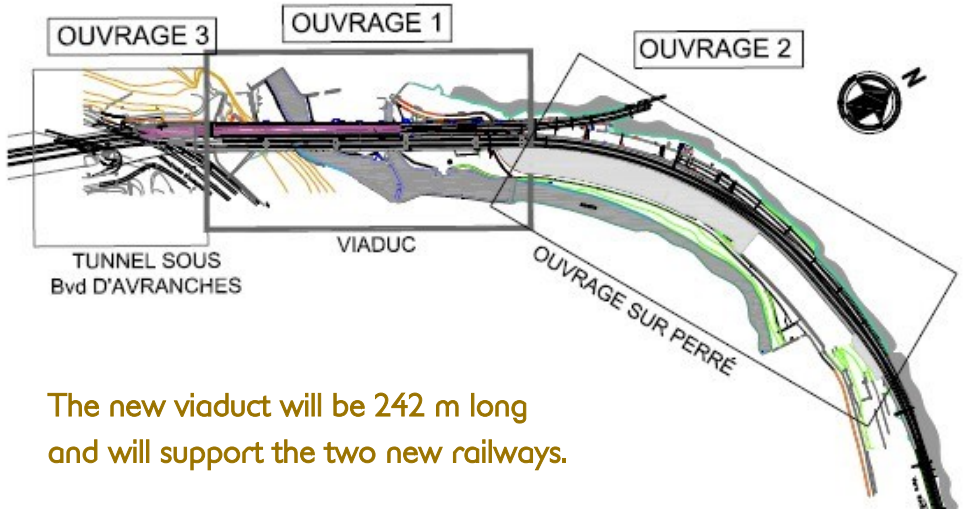
16:00 : End of event

Construction project of the Pulvermühle viaduct

The building of the north abutment of the new bridge and railways was conducted on a 45° embankment made of loose stones, along a sandstone cliff. It was possible, under difficult geological and urban conditions, by combining a series of civil engineering techniques:

- stabilisation and injection of the rock mass,
- lagging walls,
- micropiles excavations and setting bored piles into the embankment,
- secant piles closeby the existing bridge piles.

The site visit will focus on the geological and urban environmental challenges and the related remedial civil engineering techniques.



The new viaduct will be 242 m long and will support the two new railways.