

## **Gain access to the GEOLAB geotechnical research facilities**

*On June 9<sup>th</sup>, GEOLAB will launch its first call for proposals to academic and industry users for ground-breaking research and innovation to address challenges faced by the Critical Infrastructure sector. The so-called Transnational Access is funded from the project budget and includes technical & scientific support and training of the users. GEOLAB and the call for proposals will be presented in a webinar on June 23<sup>rd</sup>.*



Transnational Access is one of the core activities of the GEOLAB project, that aims to integrate key national research facilities in the field of subsurface behavior and interaction with structural elements and the environment. The project partners bring together several types of geo-centrifuges and other installations, such as a pile foundation test pit, a static liquefaction tank, a railway track simulator, a traffic load simulator and a set of field test sites.

The services of Critical Infrastructures (CI) in the water, energy, urban and transport sectors are at risk due to climate change, extreme weather, geo-hazards, and aging, while at the same time they are experiencing intensifying usage and new demands, for example resulting from the energy transition. The GEOLAB integration action is needed to support research and innovation that enhances resilience of Europe's CI.

In total 40 experiments are foreseen in the project with the following themes:

1. Experiments that proof innovative solutions to enhance the resilience of the CI in Europe (opening June 9<sup>th</sup>, 2021).
2. Experiments to study the pressures on CI, e.g., impact of climate change, aging, increased usage, extreme weather events and geo-hazards (opening expected in June 2022).
3. Experiments to validate advances in numerical modelling and data science leading to a better engineering design (opening expected in June 2023).

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For more information: <https://project-geolab.eu/>