GRID Newsletter Q4 2025

October 21, 2025

Welcome to the Q4 Newsletter!

Dear readers,
Welcome to the latest edition of the GRID newsletter. In this issue, we bring you updates on our recent activities, upcoming events, and exciting developments in the world of geotechnics and AI.

GRID at FOMLIG2025 Workshop

Prof. Leung (first on the right) of Hong Kong at the 3rd FOMLIG in Florence

The GRID project took an active role at the FOMLIG Workshop in Florence, contributing to key sessions such as the application of LLMs to landslide studies, the **2nd GeoTechathon: Multiagent LLMs** and the **EduHackathon on LLMs in geotechnical education**. Prof. Andy Y.F. Leung chaired insightful sessions on leveraging ML/AI to assess landslide hazards in Hong Kong. Other notable contributions included presentations on geospatial datasets, automated forensic landslide investigations and ML-based soil analysis, showcasing GRID's commitment to advancing data-driven geotechnical innovation.

Join the student contest

6th ICITG

6th International Conference on Information Technology in Geo-Engineering

Are you ready to showcase your skills in Machine Learning? GRID, in collaboration with ISSMGE TC304, TC309, and JTC2, is thrilled to announce a **Student Contest** on Machine Learning algorithms for predicting soil shear parameters.
The **prize ceremony** will be held at ICITG26 in Graz, Austria, from **October 13–16, 2026**.
How to Participate:

- Check out the call details, guidelines, and dataset.
- Form your team and register by contacting Lukas Leibold at BOKU.

Good luck to all participants! We can't wait to see your innovative solutions.

Recent Highlights

A new associated partner: Civilserve

Thomas Walkemeyer (Civilserve) hosted by Isabelle Armani at Tiefgründig

We are excited to announce that **Civilserve** has joined as a new associated partner. Founded in 2000, Civilserve is headquartered in Steinfeld and Braunschweig. The company is the exclusive distributor of GGU-Software. In addition to marketing and distributing GGU-Software, Civilserve organizes practical seminars and online conferences to train professionals in the effective use of these software solutions.

Thomas Walkemeyer, co-founder and CEO of Civilserve, has a background as a geotechnical consultant. He is primarily responsible for sales and marketing at Civilserve, bridging the gap between engineering expertise and innovative software solutions.

Tune in to the latest episode of the Tiefgründig podcast, where Thomas Walkemeyer discusses the digital future of geotechnics, balancing efficiency and humanity.

GGU/Civilserve Secondment @BOKU

From left to right: Thomas Walkemeyer (Civilserve), Daniel Schöler (GGU), Enrico Soranzo (BOKU), Simon Buß (GGU)

Simon Buß and **Thomas Walkemeyer**, CEOs of GGU and Civilserve, along with **Daniel Schöler** (GGU), enjoyed a productive week hosted by BOKU. This collaboration laid the foundation for WP3 GenAI applications and successfully integrated BOKU's GRAI Web-App into GGU Connect via an API for particle size distribution prediction from soil images.

GRID at ISGSR2025 Symposium

The 6th Machine Learning in Geotechnics Dialogue at ISGSR2025 in Oslo

The ISGSR2025 symposium in Oslo, hosted by **Zhongqiang Liu** of NGI, showcased GRID's advancements with contributions from TUM, UCC, UL, HP, and NGI. The event featured the **6th Machine Learning in Geotechnics Dialogue**, led by the GRID coordinator, and celebrated BOKU's Honourable Mention Award in the Student Data Science Competition.

KinderUni Wien Highlights!

Young children learning soil classification through traditional and machine learning methods

On July 8th, 2025, GRID engaged young minds at the KinderUni Wien event, introducing them to machine learning and soil classification through interactive activities. Above two photos from this inspiring day.

Upcoming Events

Catch up with GRID at these upcoming events:

Hong Kong: May 10–13, 2026

Berlin: September 22–25, 2026

Graz: October 13–16, 2026

The Travelling GRID Totem

GRID Totem with Simon Buß and Enrico Soranzo at BOKU (left), Zhongqiang Liu at GGU (centre) and Emilio Bilotta at FOMLIG (right)

The **GRID Totem**, a symbol of our project's collaborative spirit, is on the move! Thanks to **Civilserve**, this innovative communication tool is traveling across partner institutions and events, showcasing the essence of our work and fostering engagement.

Currently, the totem is hosted at **GGU** and has recently made a stop at **BOKU** and at the FOMLIG Workshop in Florence, where it continued to

represent the GRID project and spark conversations about our groundbreaking research.

GRID Featured on BOKUscreens!

A BOKUscreen in one of the main buildings featuring GRID

Our GRID project was **showcased on BOKUscreens**, reaching a wide audience through these high-resolution displays in high-traffic areas. Thank you, BOKU, for the opportunity!

Spotlight on Research

Our recent publications include:

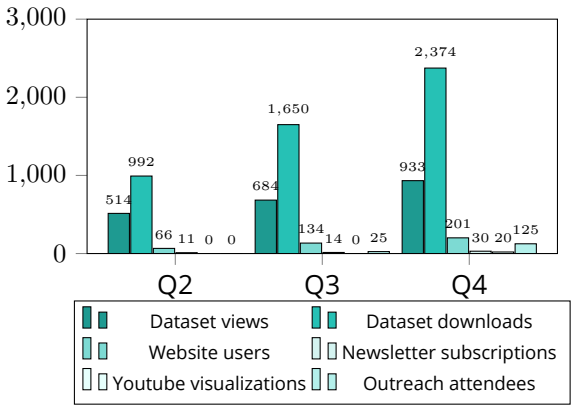
Machine learning predictions on an extensive geotechnical dataset of laboratory tests in Austria

An Adaptive Physics-informed Deep Operator Neural Network for 1-D Unsaturated Infiltration Model Coupled with Soil Deformation

Machine Learning Prediction of soil particle size distribution from smartphone images

Engaging the Community

Number of active users of website and their geographical distribution according to Google Analytics



Communication KPIs of the GRID project

Get Involved

Join us in revolutionizing geotechnics and AI. Visit our website at grid.boku.ac.at.