

Final seminar

Green sOIl stAbiLisation



Join us for the final seminar of GOAL!

The seminar will focus on advancements in sustainable ground improvement techniques. Key findings on dry deep mixing (DDM) will be presented together with discussions on the integration of sustainable binders, novel monitoring techniques and machine learning in DDM. This event offers you an opportunity to engage with industry professionals and contribute to the discourse on sustainable practices in ground improvement.

DATE: 20th of October, 2025 (Monday)
TIME: 12:00 to 16:00
VENUE: NGI Oslo, Sandakerveien 138, 1st floor

Please register before 13th of October 2025 using:
stefan.ritter@ngi.no

Visit <https://www.ngi.no/en/projects/goal/>
for more information about GOAL!

Agenda

12:00 – 12:15 Arrival, light lunch

Session 01: Sustainability in deep dry mixing

12:15 – 12:20 Welcome – NGI

12:20 – 13:00 **Keynote:** Håkan Eriksson (GeoMind) - Deep mixing for a changing climate using sustainable binders and smarter quality control

13:00 – 13:30 Priscilla Paniagua (NTNU/NGI) - Knowledge generation through lab testing: stabilization of soft clay, quick clay, and peat using industry by-products

13:30 – 14:00 Caroline Hansen (NGI) and Mikolaj Owsianiak (DTU) – Environmental performance of alternative binders used in soil stabilisation

14:00 – 14:30 Michael Undrum (Lindum) – Drivers and barriers to adopt alternative materials in soil stabilisation

14:30 – 14:40 Coffee break

Session 02: Field verification and digitalisation in dry deep mixing

14:40 – 15:10 Sølve Hov (NTNU/NGI) - Assessing the field performance of stabilised soils using fiber optic sensing

15:10 – 15:40 Stefan Ritter (NGI/OlsoMet) – Machine learning for dry deep mixing

15:40 – 16:10 **Panel discussion - Alternative binders & upscaling to field applications** Håkan Eriksson (GeoMind), Eivind Juvik (SVV), Gudny Okkenhaug (NGI/NMBU), Robert Thurner (Keller); Moderation: Mike Long (UC Dublin)