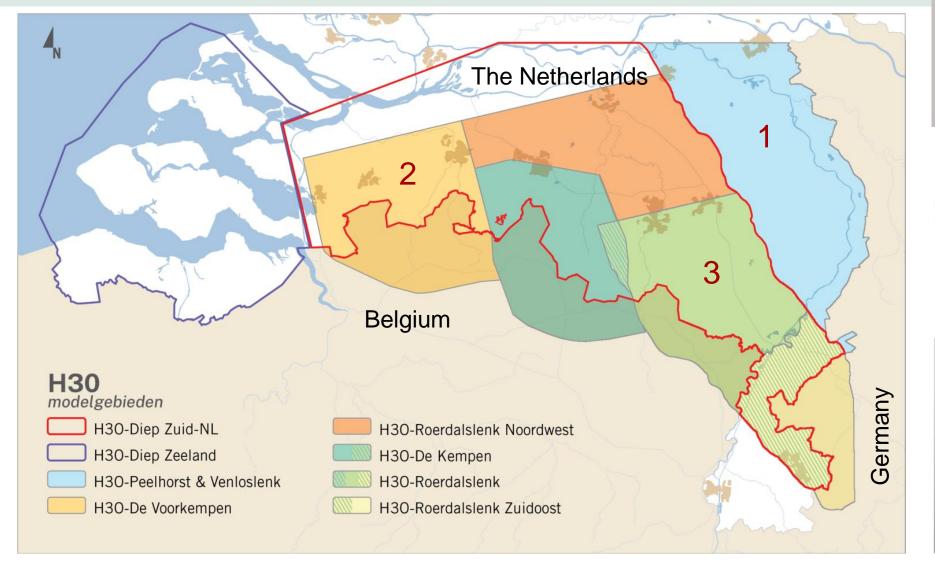
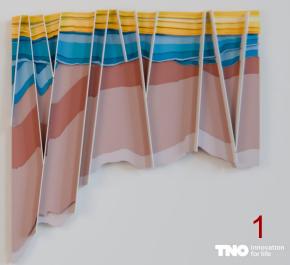
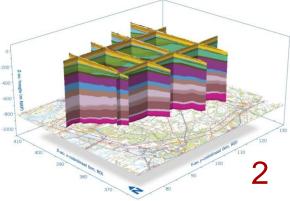
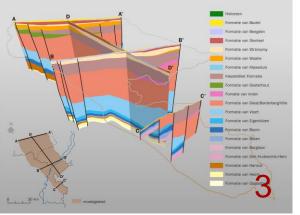


H3O-Models in the border region of the southern part of The Netherlands (NL / B / D)

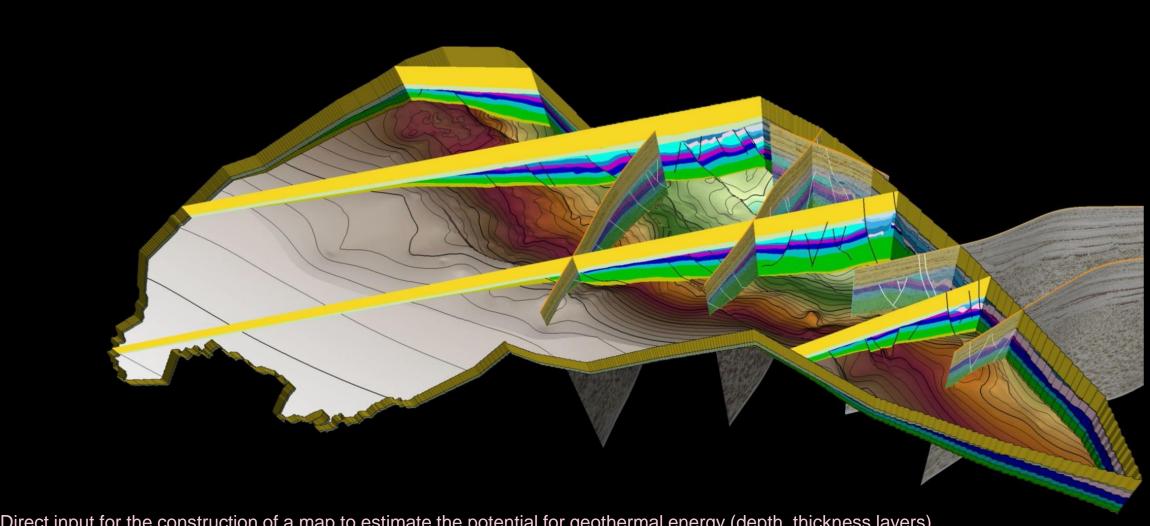






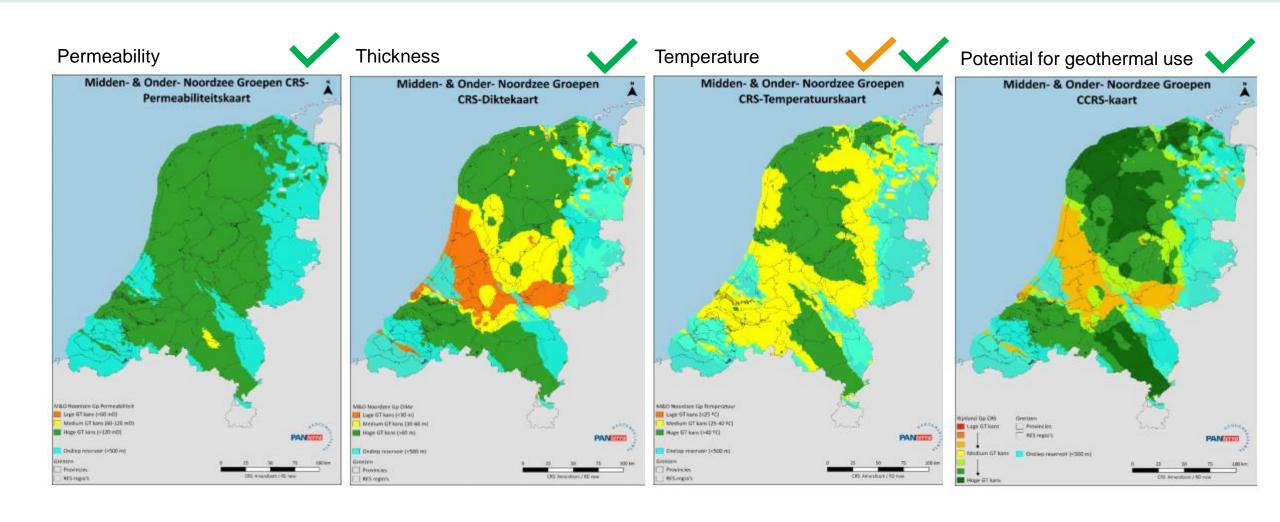


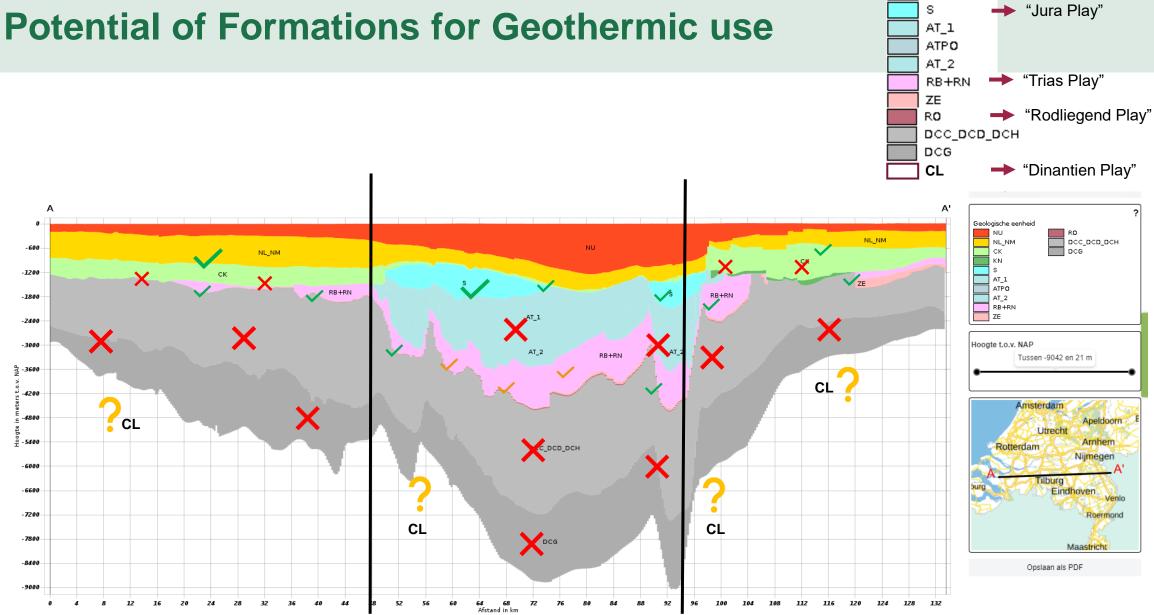
H3O Deep South NL (2021-2024)



Direct input for the construction of a map to estimate the potential for geothermal energy (depth, thickness layers)

Example: Potential for Shallow Geothermal Purposes (WARM)





NU

СК

KN

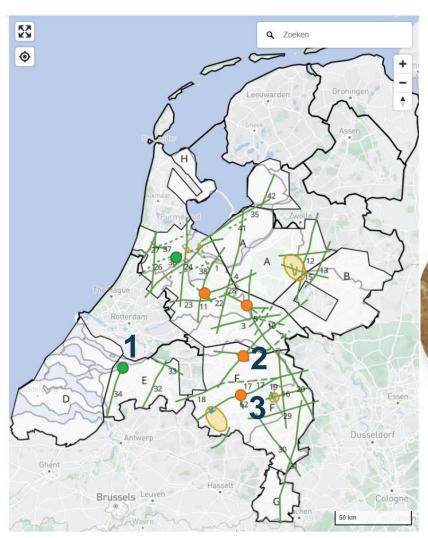
NL_NM

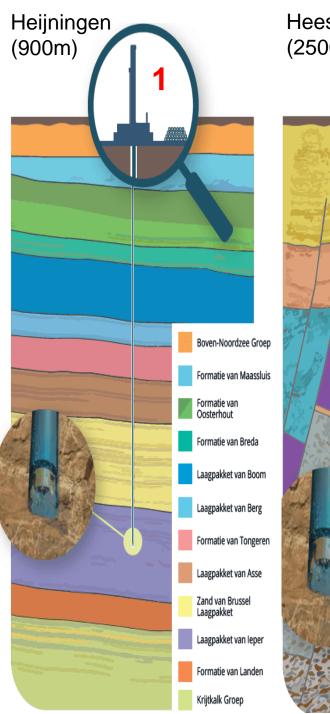
→ "Paleogeen Play"

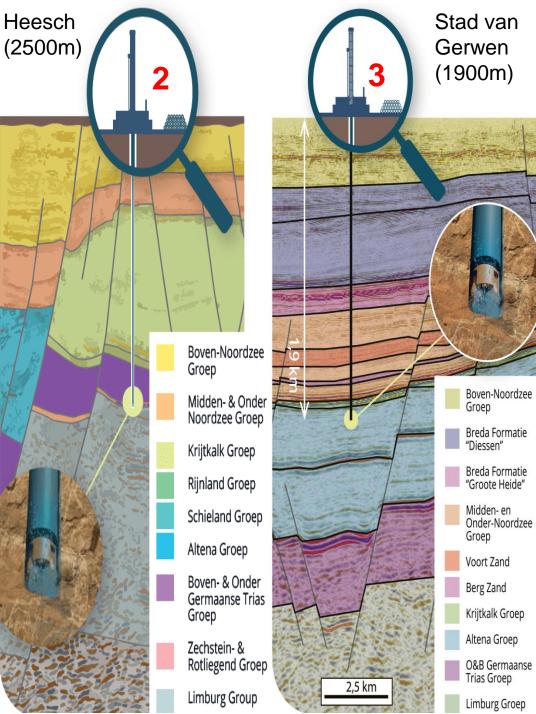
"Onder Krijt Play"

Provincie Noord-Brabant

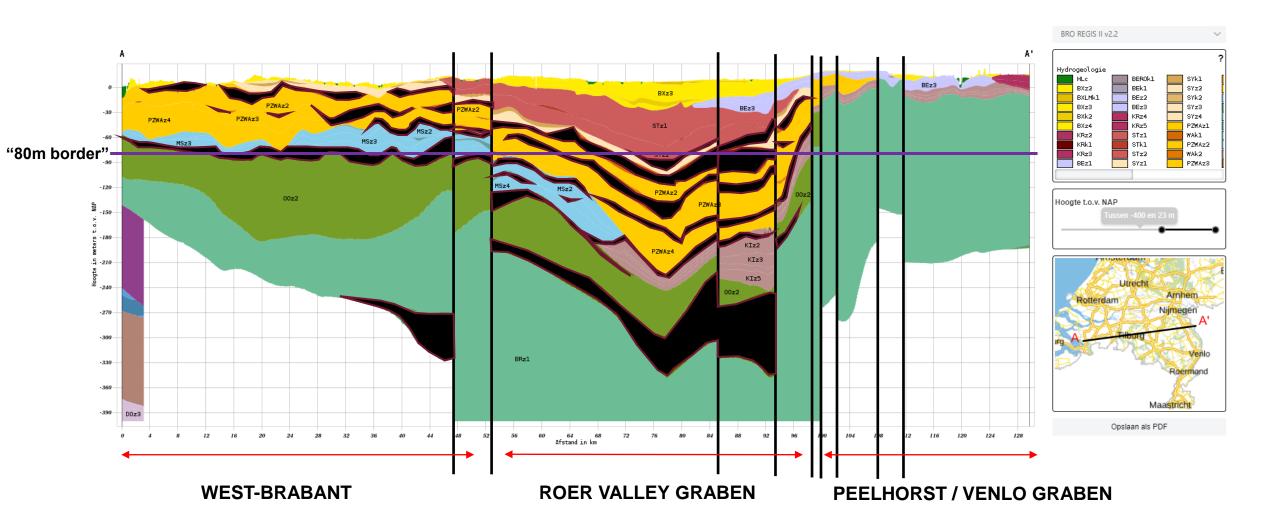
Scientific drillings for geothermal purposes



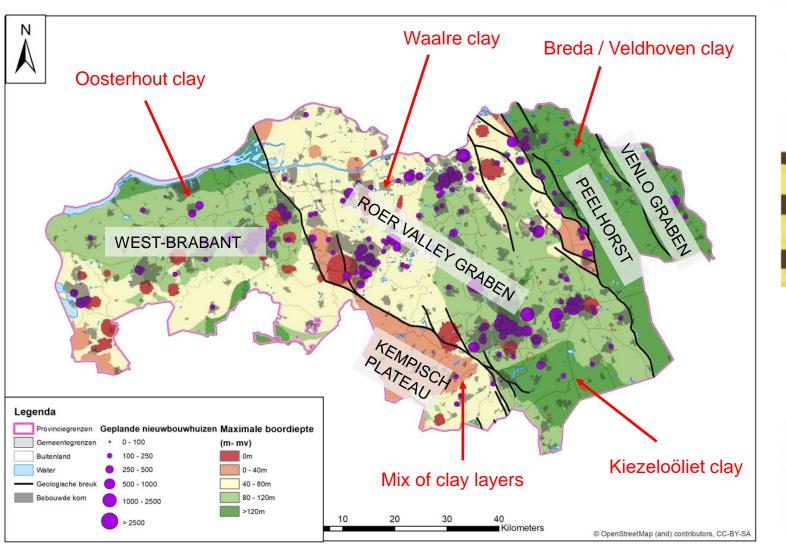


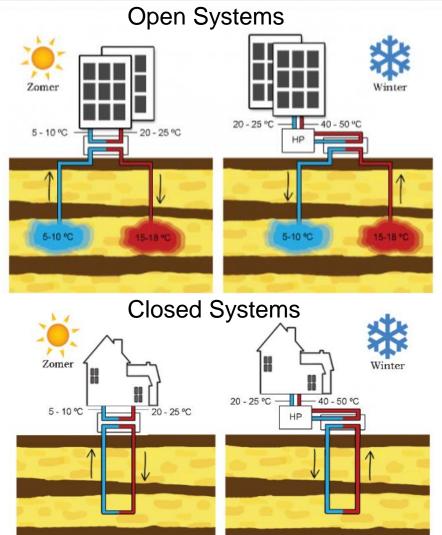


Cross section W-E: REGIS (Geohydrological Model) – Southern part NL

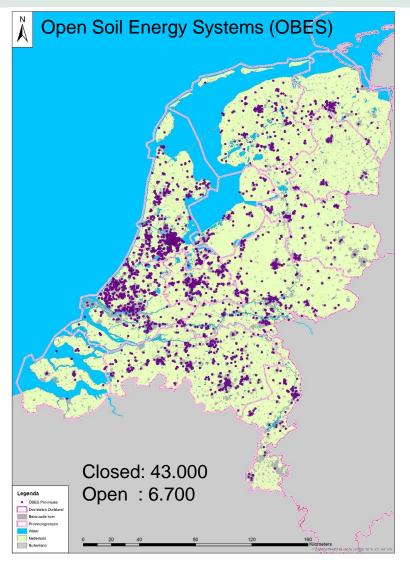


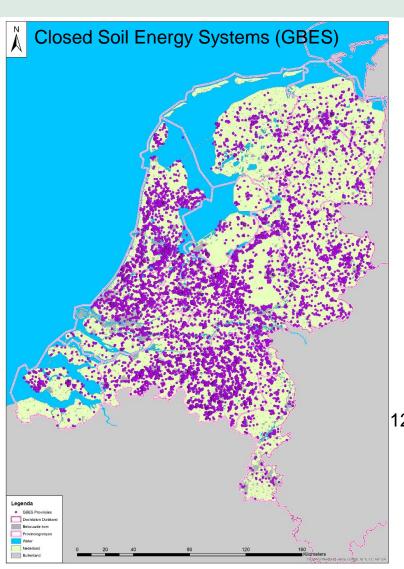
Depth Restriction Map - Construcion of Soil Energy Systems

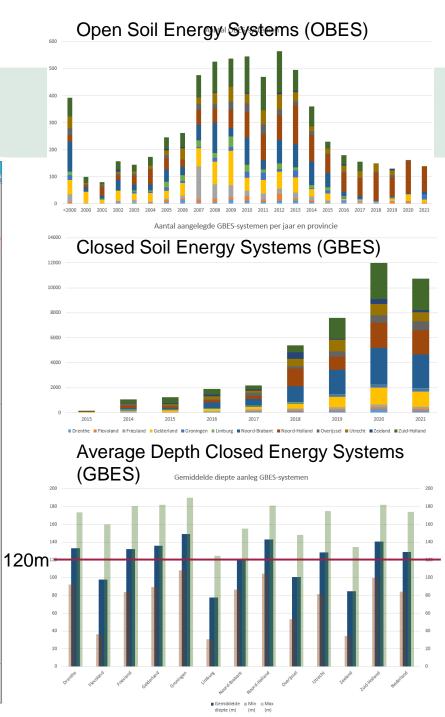




Soil Energy Systems (Closed and Open)







Use of geological models

Best spots for (heat) storage or the extraction of drinking water / infiltration



Estimate the potential for geothermal energy



In the planning phase for the construction of tunnels and roads



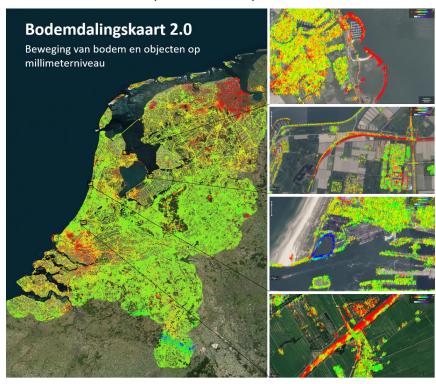
Shallow geological models (GeoTOP) for spatial planning and civil engineering



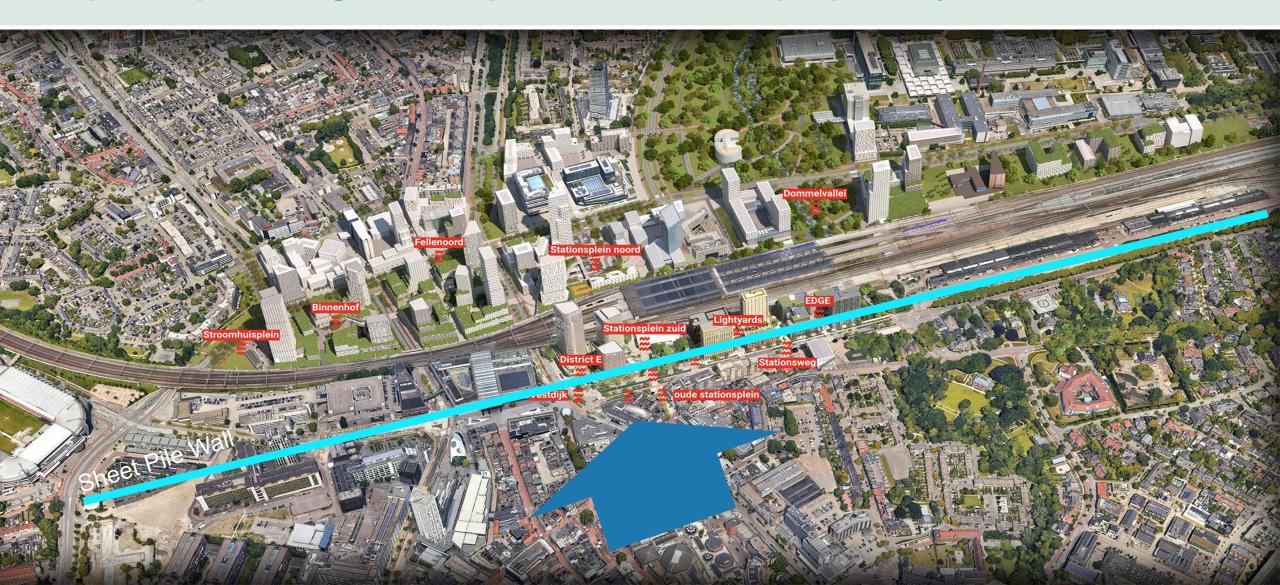
Potential threats (fault zones)



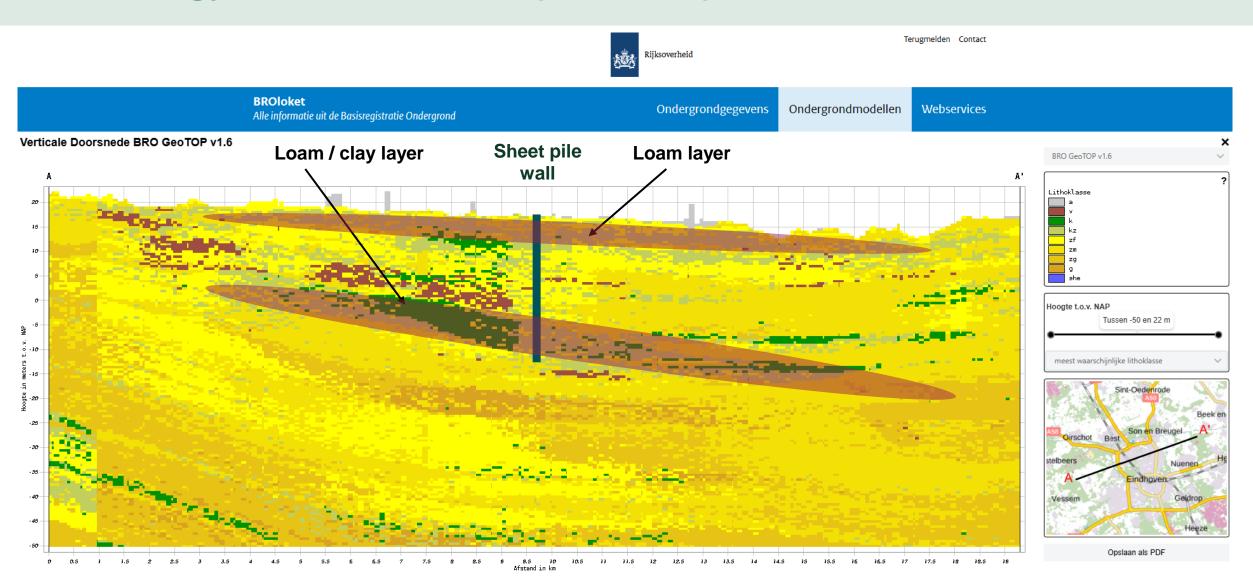
Potential threats (subsidence)



Spatial planning – KnoopXL Eindhoven (NL) – City center

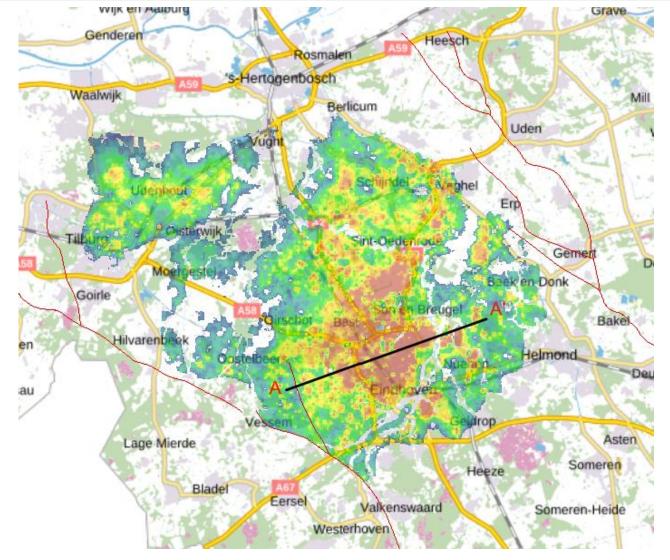


Lithology near Eindhoven (GEOTOP)



Provincie Noord-Brabant

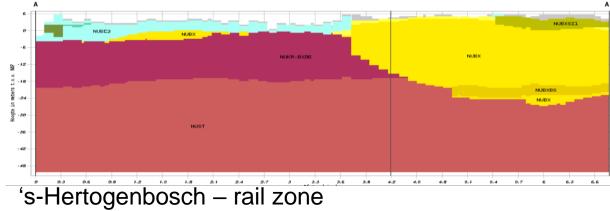
Thickness loamy layer - region Eindhoven (Liempde)



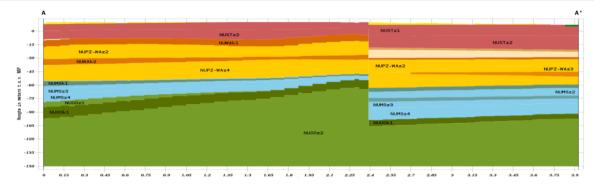




Spatial planning and civil engineering (infrastructure)







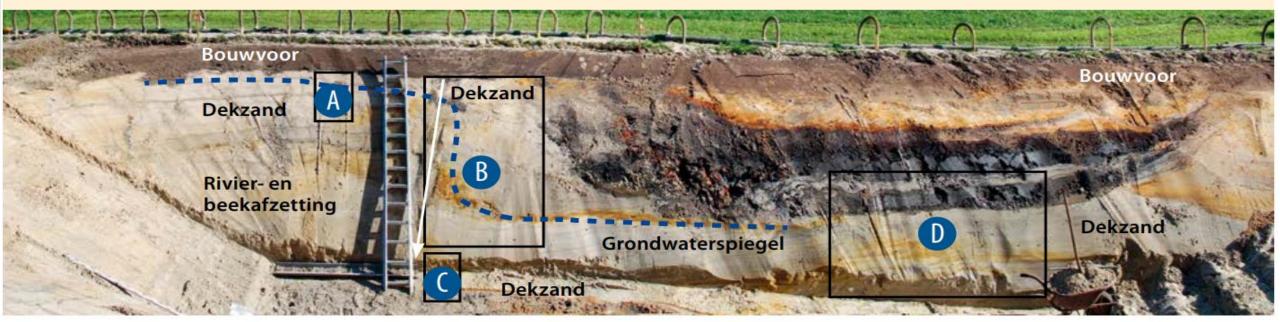
Rijen – Railway crossing near a major fault



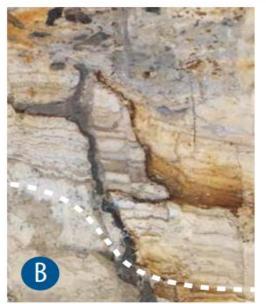
Peelhorst (hoge kant)

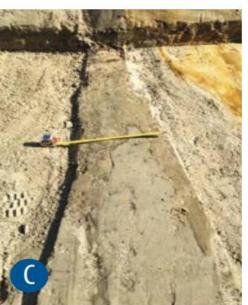
Peelrandbreuk ("verticale barrière")

Centrale Slenk (lage kant)



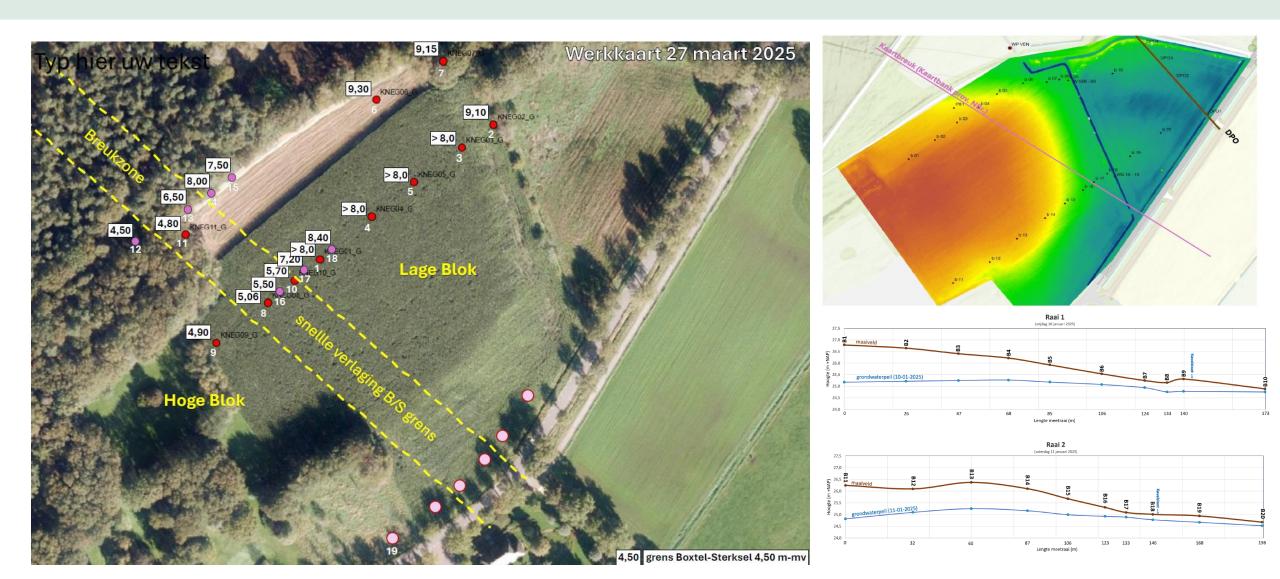








New planned residential area near a fault zone (Veldhoven fault) - Knegsel



Fault zone – quick change in lithology



