

National Register and Geotechnical application in The Netherlands

ISSMGE TC222 Online Workshop - Geo Data Structures and Underground Asset Registries

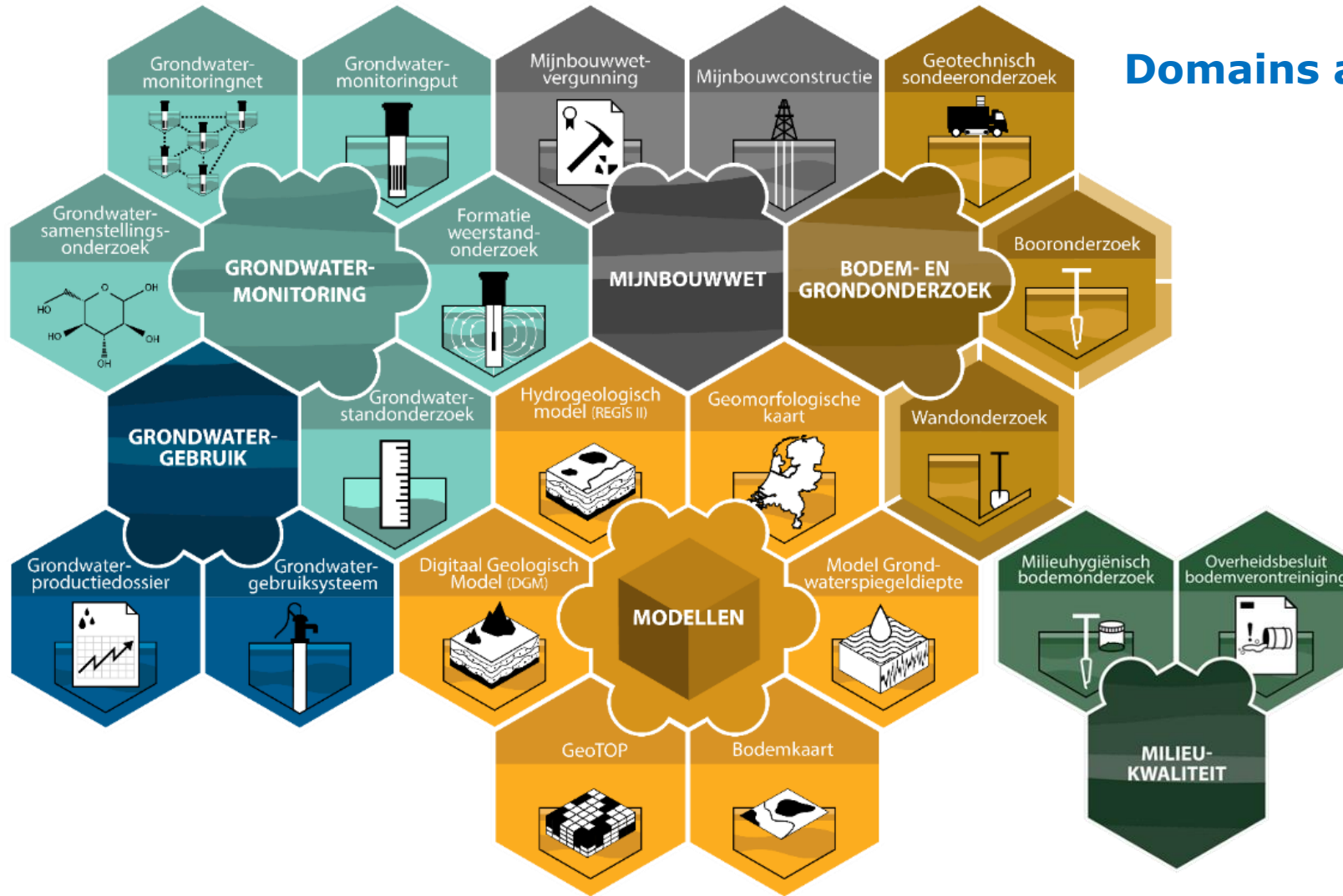
May 30, 2024

Rob van der Krogt

Project manager data transition

TNO – Geological Survey of The Netherlands

National Key Register for the Subsurface

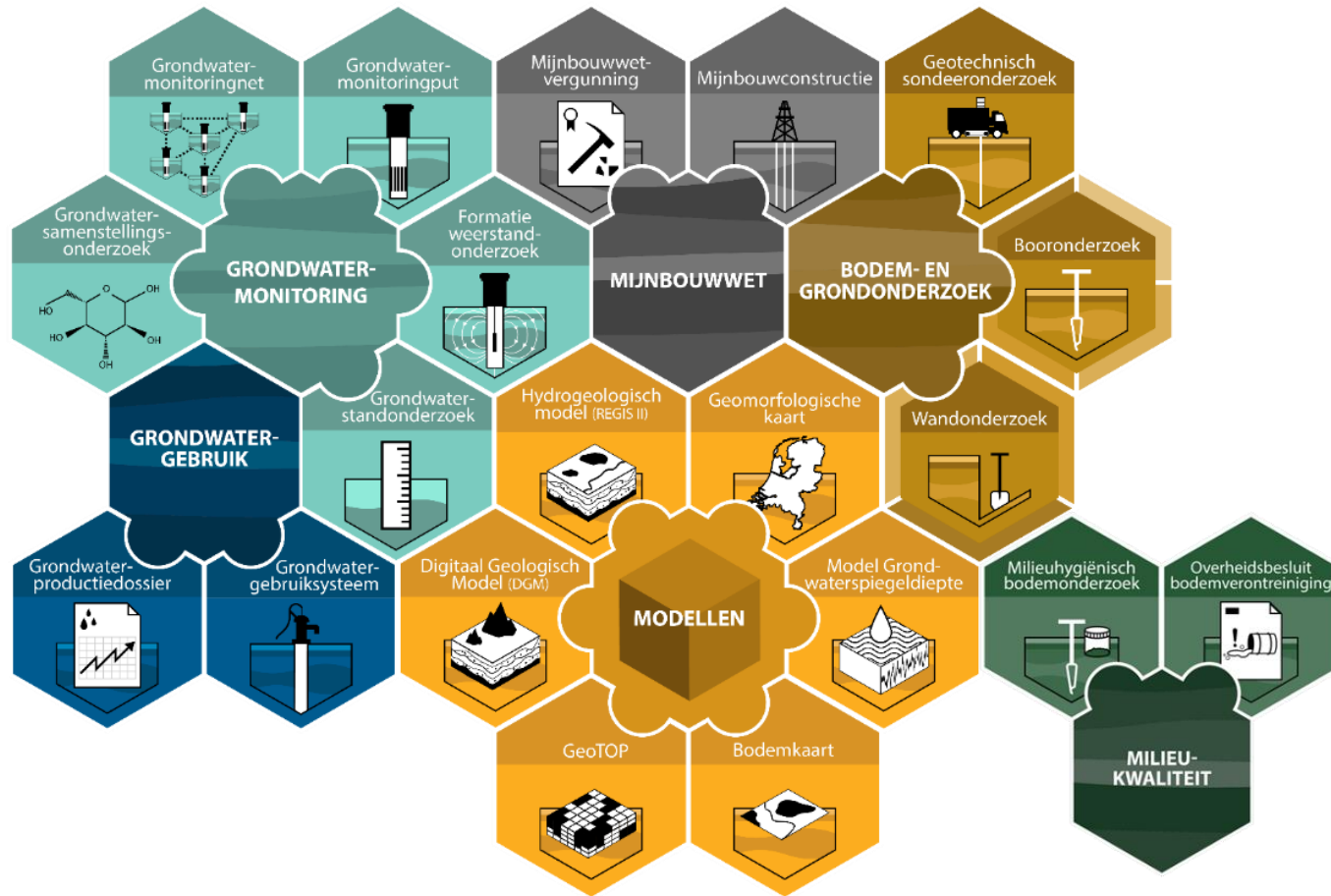


Domains and Data types/ objects

Domains:

- Groundwater use
- Groundwater monitoring
- Subsurface/ Soil Investigation
- Mining data
- (Geoscience) Models
- Environmental quality

National Key Register for the Subsurface



***TNO – Geological Survey of The Netherlands
is the national ‘holder’ of this Key Register***

Governed by national law:

- Obligated use of data for
 - Policy, planning and construction (where applicable)
- Obligated delivery of data
- Obligated quality control of data

This concerns:

- National, regional and local government boards:
 - National Ministries and governmental agencies
 - Provinces
 - Municipalities
 - Water boards (regional)

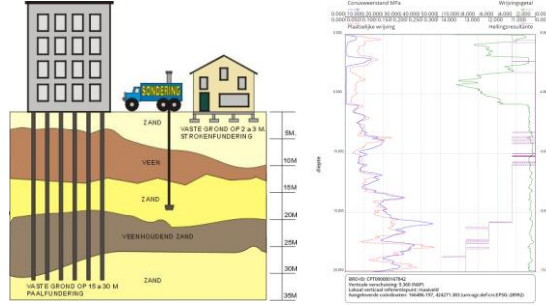
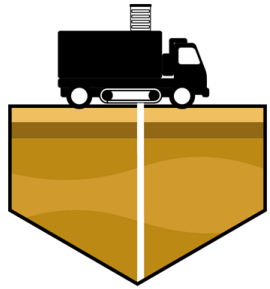
Subsurface and Soil Investigation



- Most relevant for Geotechnical investigations:
- Cone Penetrations Tests (CPT)
- Borehole Research (BHR)
- 'Cavity research' (SFR)

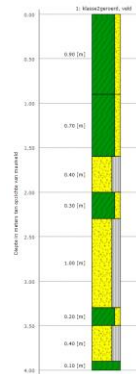
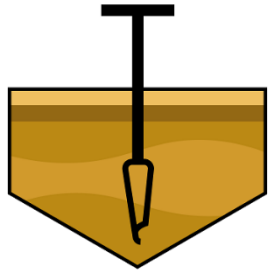


Subsurface and soil Investigation



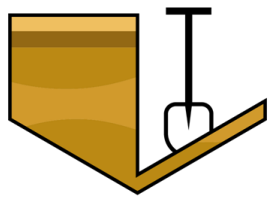
Cone Penetrations Tests (CPT)

~ 200.000



Borehole Research (BHR)

<< ~ 600.000 >> (to be prepared)



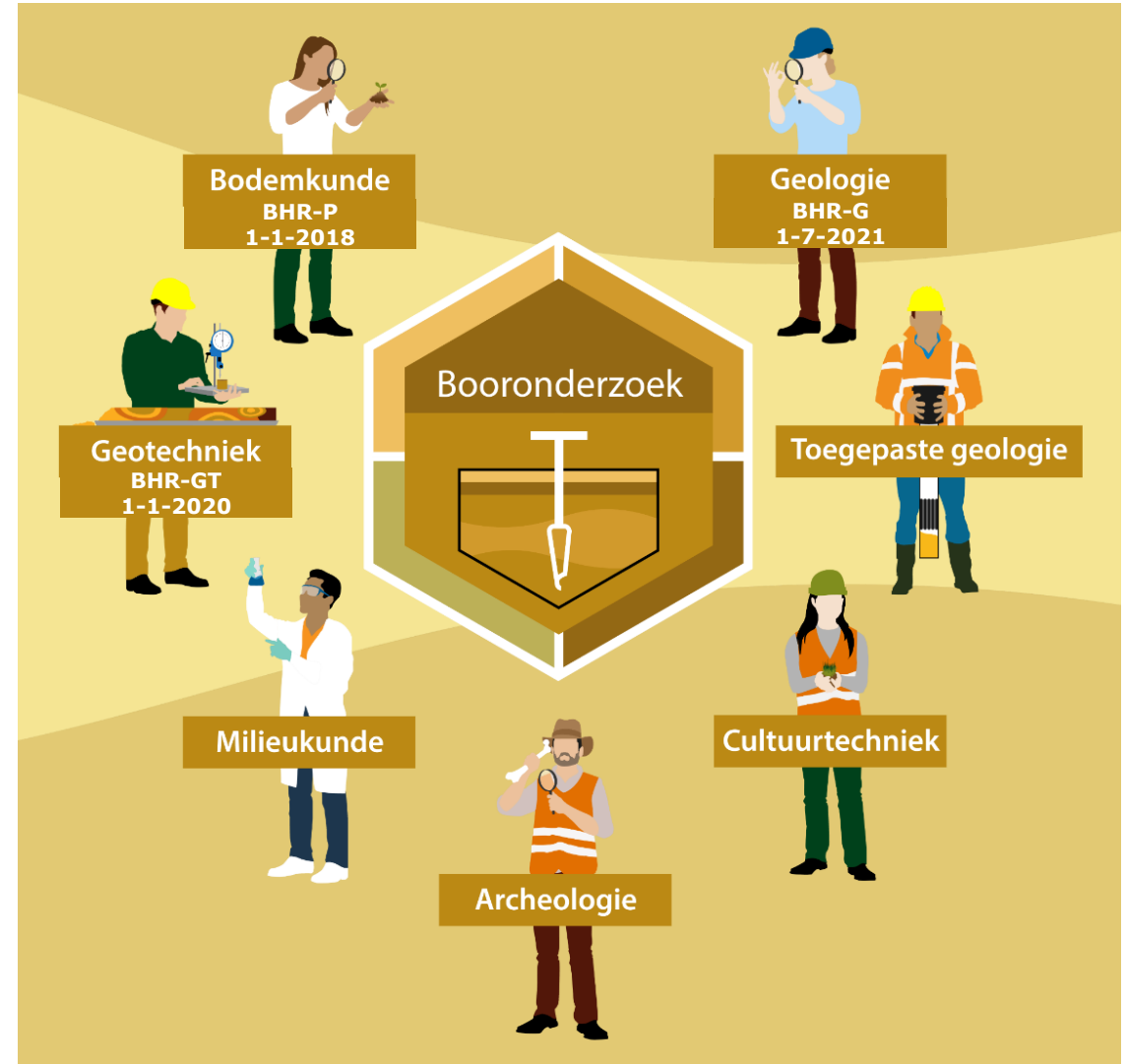
'Cavity research' (SFR)

~ 5.000



Different types of Borehole Research

- > Depends on purpose:
 - (Applied) Geology
 - Archeology
 - Soils and soil quality
 - ...
- > Different standards and protocols for different drillings





Example application for 'BRO' geotechnical information and design

By Thomas van der
Linden,

Geotechnical expert,
City of Amsterdam



**Gemeente
Amsterdam**

**BRO Geotechniek
Amsterdam**

Thomas van der Linden

16 mei 2024



Ondergrondgegevens | BROloket X

https://www.broloket.nl/ondergrondgegevens

Rijksoverheid Terugmelden Contact Ondergrondgegevens (oude versie)

BROloket
Alle informatie uit de Basisregistratie Ondergrond

Ondergrondgegevens Ondergrondmodellen Webservices

Zoek op id, locatie of coördinaat

Bodem- en grondonderzoek Grondwater

Basisregistratie Ondergrond

100 m

x: 121.765 m, y: 487.649 m

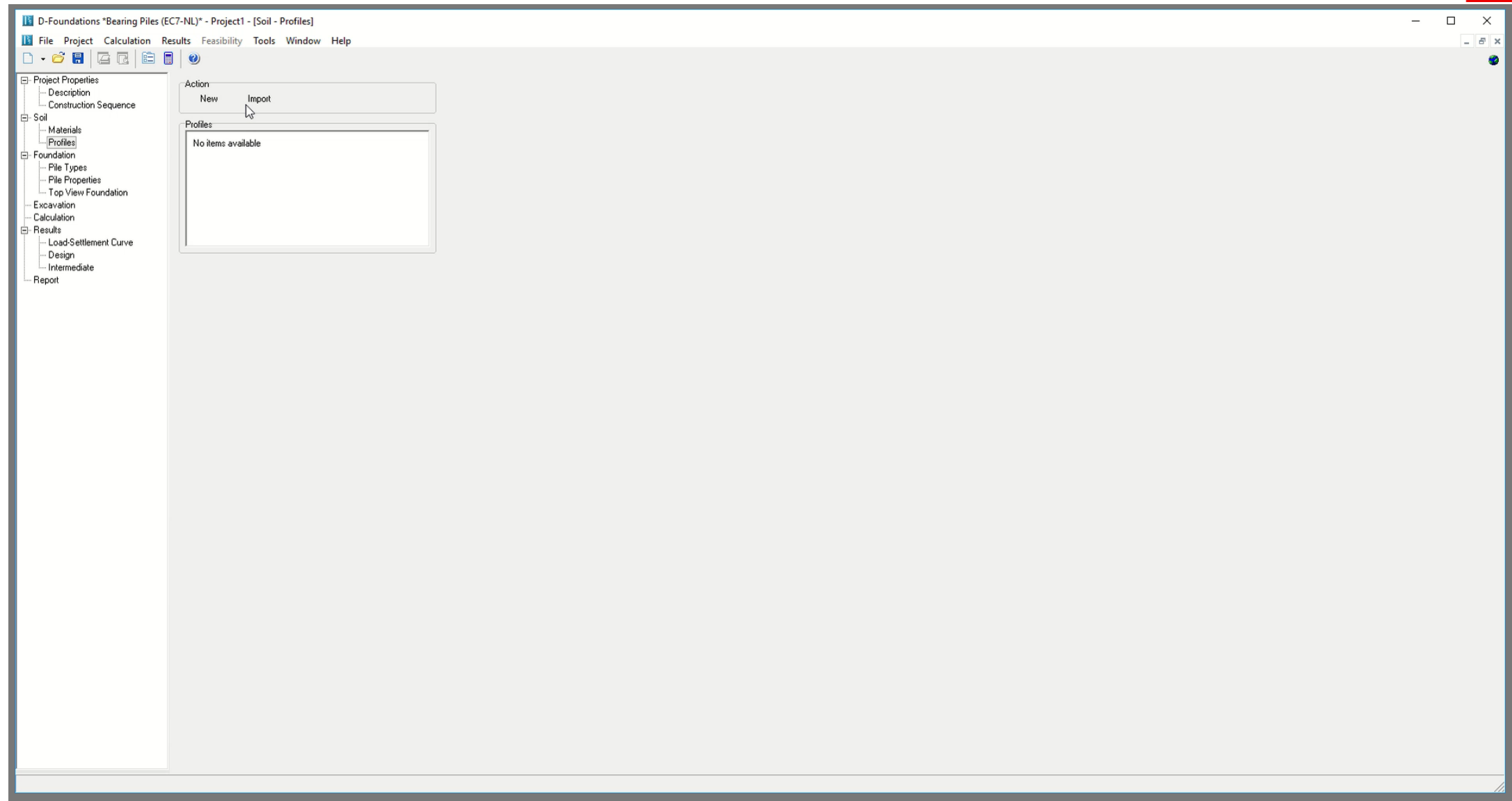


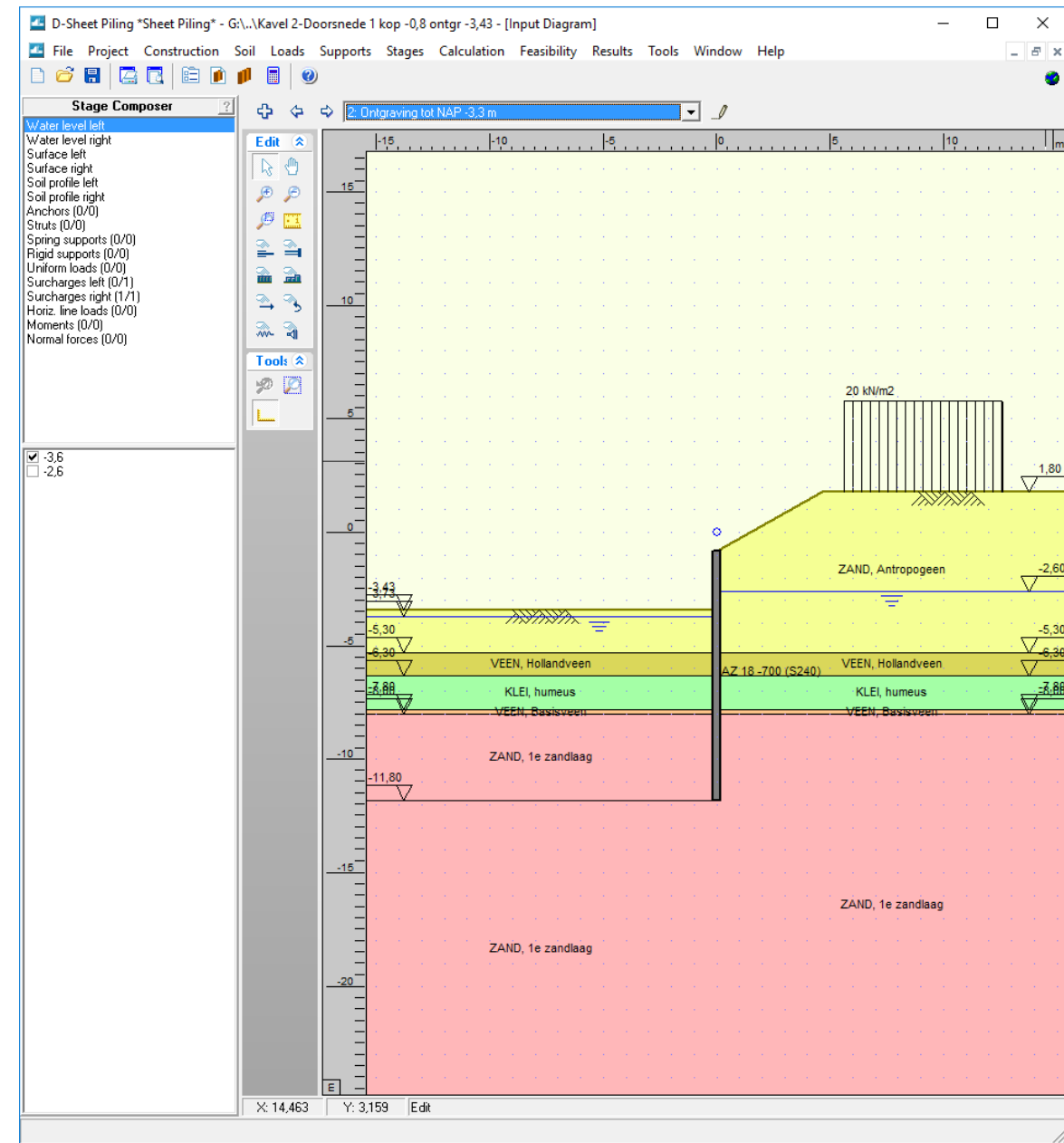
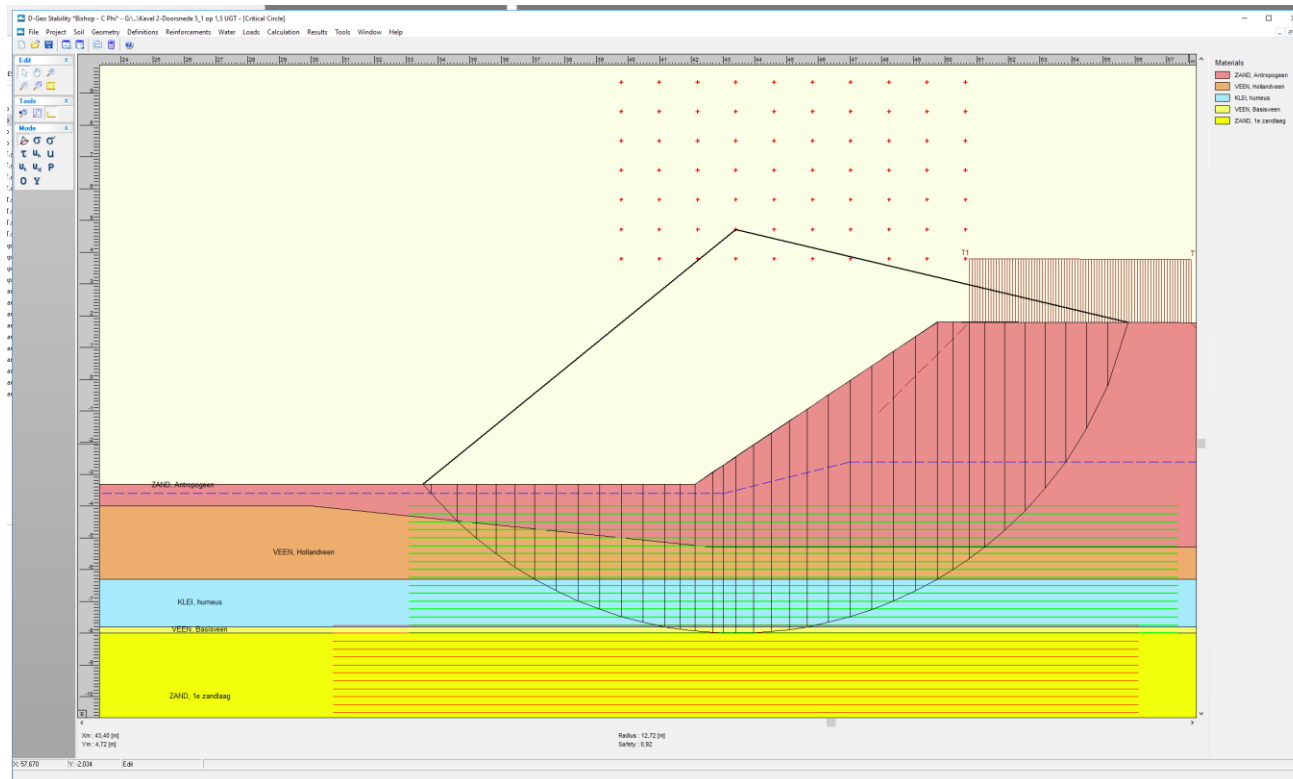
Gemeente
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BRO Geotechniek Amsterdam

Thomas van der Linden

16 mei 2024







ADW Next - Desktop Viewer

Home - Intranet Amsterdam x +

intranet.amsterdam.nl

Gemeente Amsterdam
Intranet

Wij zijn verhuisd naar Sam

Hier op intranet vind je alleen nog informatie over je stadsdeel of directie.

Projectmanagement kennis inzetten voor Nepalees ziekenhuis

Nieuws van directies en stadsdelen

- Het nieuws uit de directies, clusters, stadsdelen en het pandnieuws vind je hieronder in het nieuwsoverzicht
- Nieuw algemeen nieuws is alleen nog [te vinden](#)

13:22 13-2-2024

Dash

127.0.0.1:5000

Klik op de kaart om een profiellijn te maken

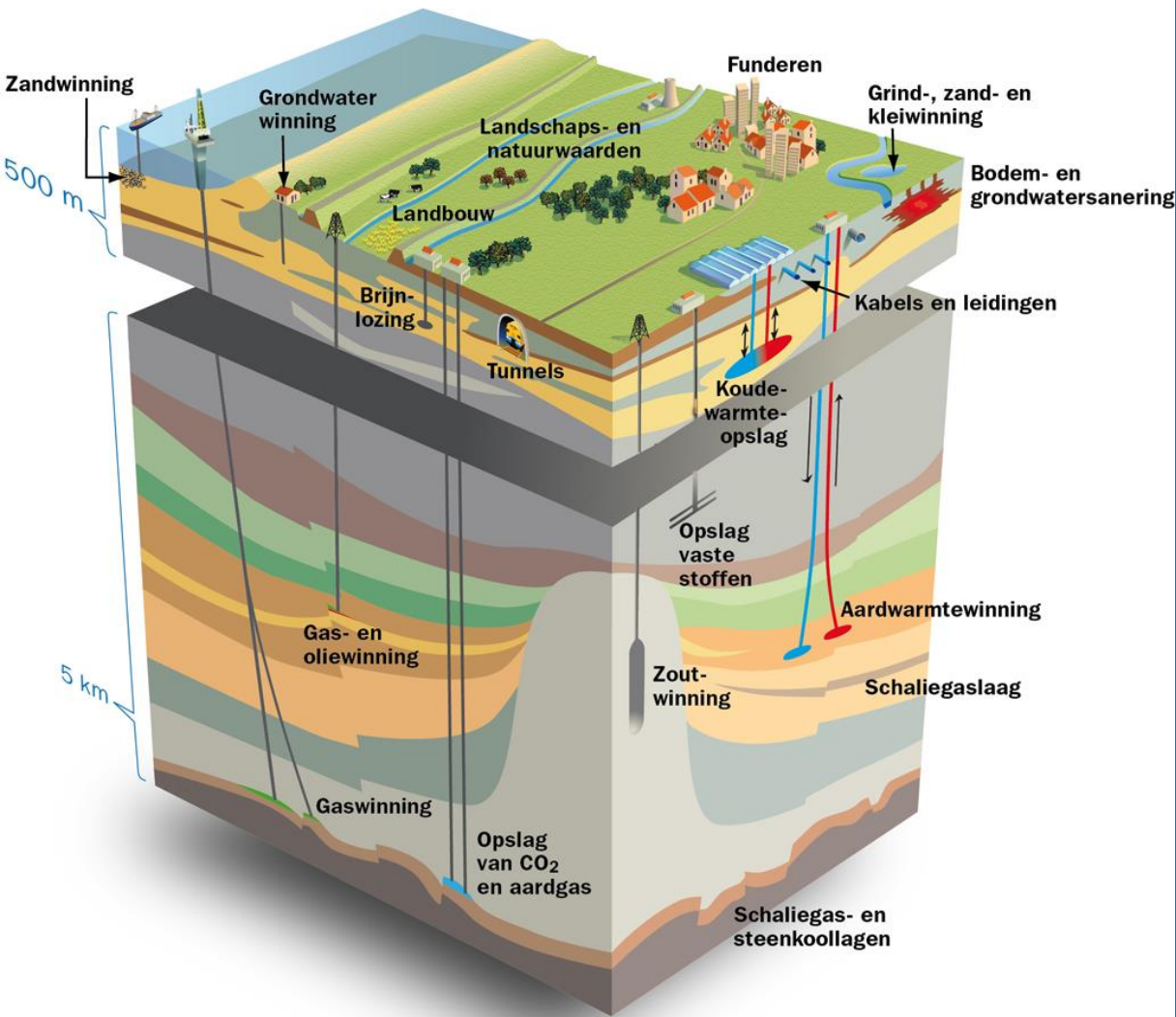
Gebruik afstand tot profiellijn

50

MAAK PROFIEL

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Thanks for your attention!

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