

3D-modelling in Flanders (Belgium)



Flanders
State of the Art

Griet Verhaert



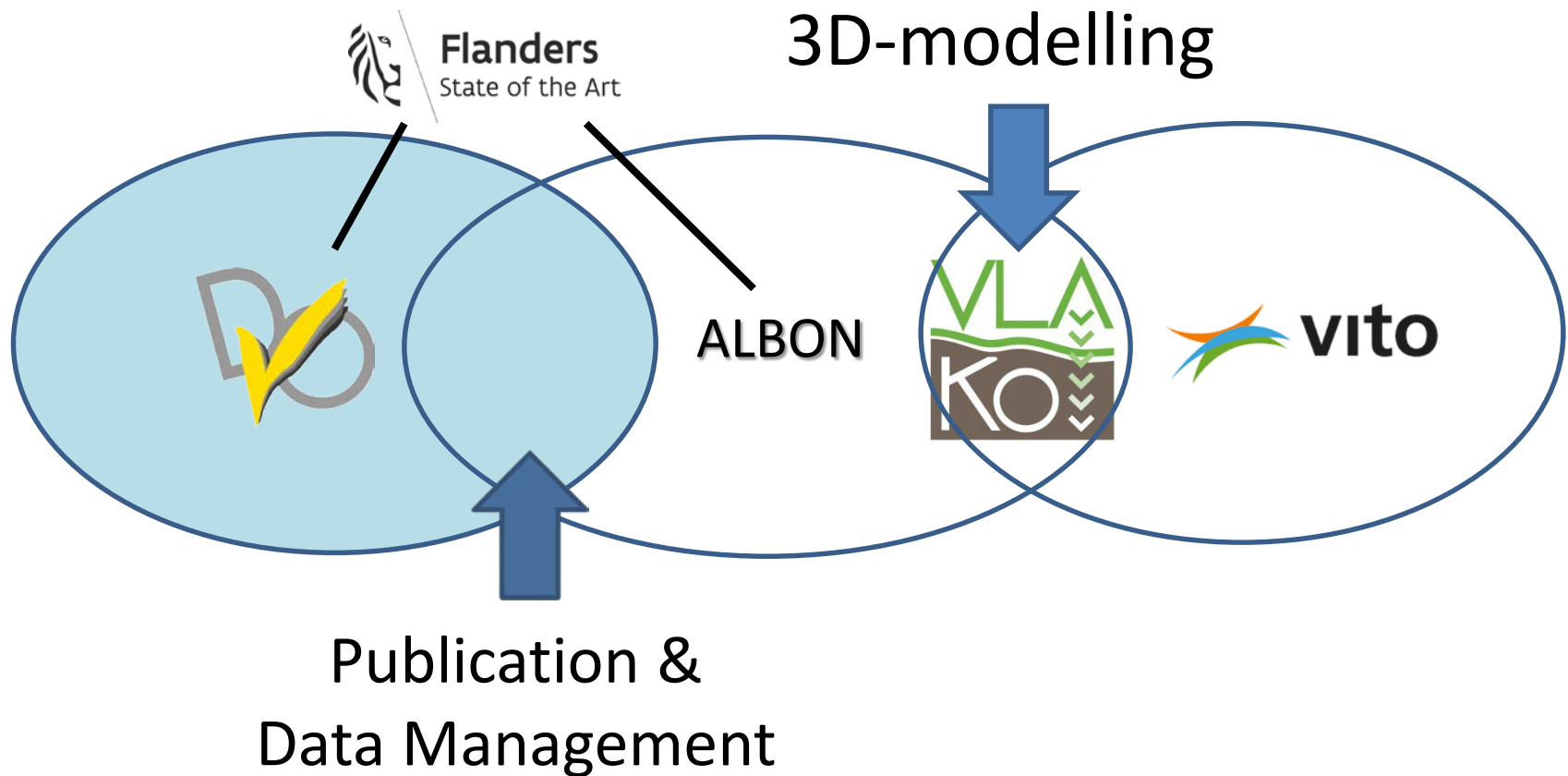
vito

Roel De Koninck

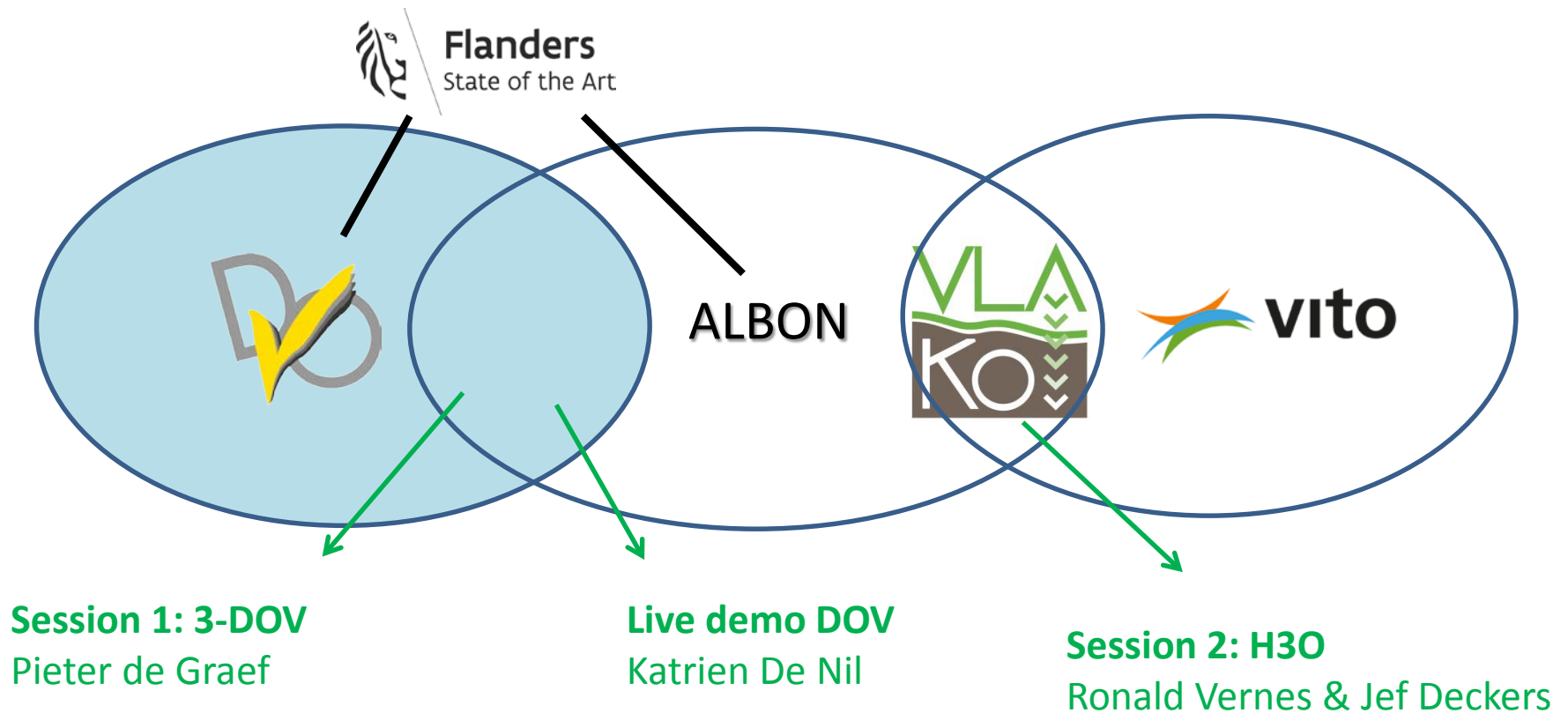


Marleen Van Damme

3 partners – one 3D-modelling family



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ALBON

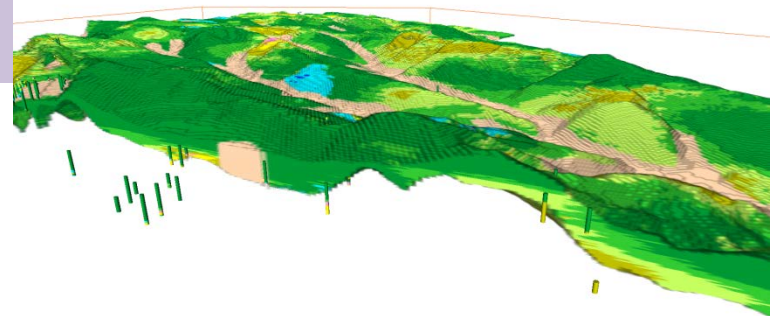
Government of Flanders: Environment, Nature & Energy Department

Land and Soil Protection, Subsoil, Natural Resources Division – ALBON

Natural Resources Service

COMPETENCES

- Raw Materials Policy
- Sustainable management of the deep subsoil
- Geological knowledge: research and data sharing



vito Geology team

- 3D-modelling Flanders (VLA KO)
 - **G3D** Geological 3D-model
 - **H3D** Hydrogeological 3D-model
 - **H3O** Cross-border (hydro)geological 3D-modelling with TNO
- Other “geo” research: current focus – developing geothermal energy in Flanders
 - “**Balmatt**” project: geothermal doublet on vito premises – deliver heat and electricity (ORC)



What is DOV?

- ▶ URL: <http://dov.vlaanderen.be>
- ▶ DOV is a cooperation in Flanders:
 - First established in **1996**
 - Open data online since **2002**
 - 3 entities are the core partners:
 - Mobility and Public Works Department (MOW)
 - Environment, Nature and Energy Department (LNE)
 - Flemish Environment Agency (VMM)

MISSION Structuring and managing all data and information concerning the soil and subsoil of Flanders and make them available

VISION DOV is a cooperation of partners that mobilizes data and information concerning the soil and subsoil of Flanders, guards and reports on their quality and makes them accessible in an integrated way.
DOV works according to Flemish decrees and international agreements, in the most effective, efficient and flexible way.

Which data in DOV?

DOV offers data and information on thematic areas related to soil and subsoil:

groundwater



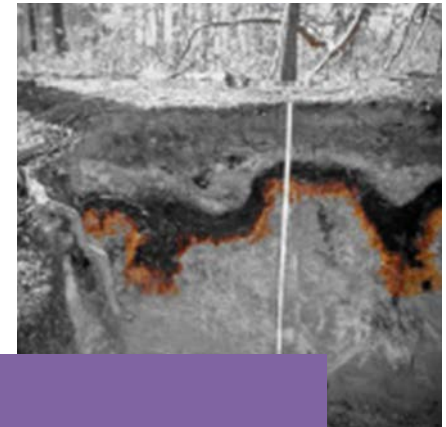
geology



geotechnics



soil



All data is available as **open data**

Reuse is allowed

“gratis open data licentie Vlaanderen V1.2”