

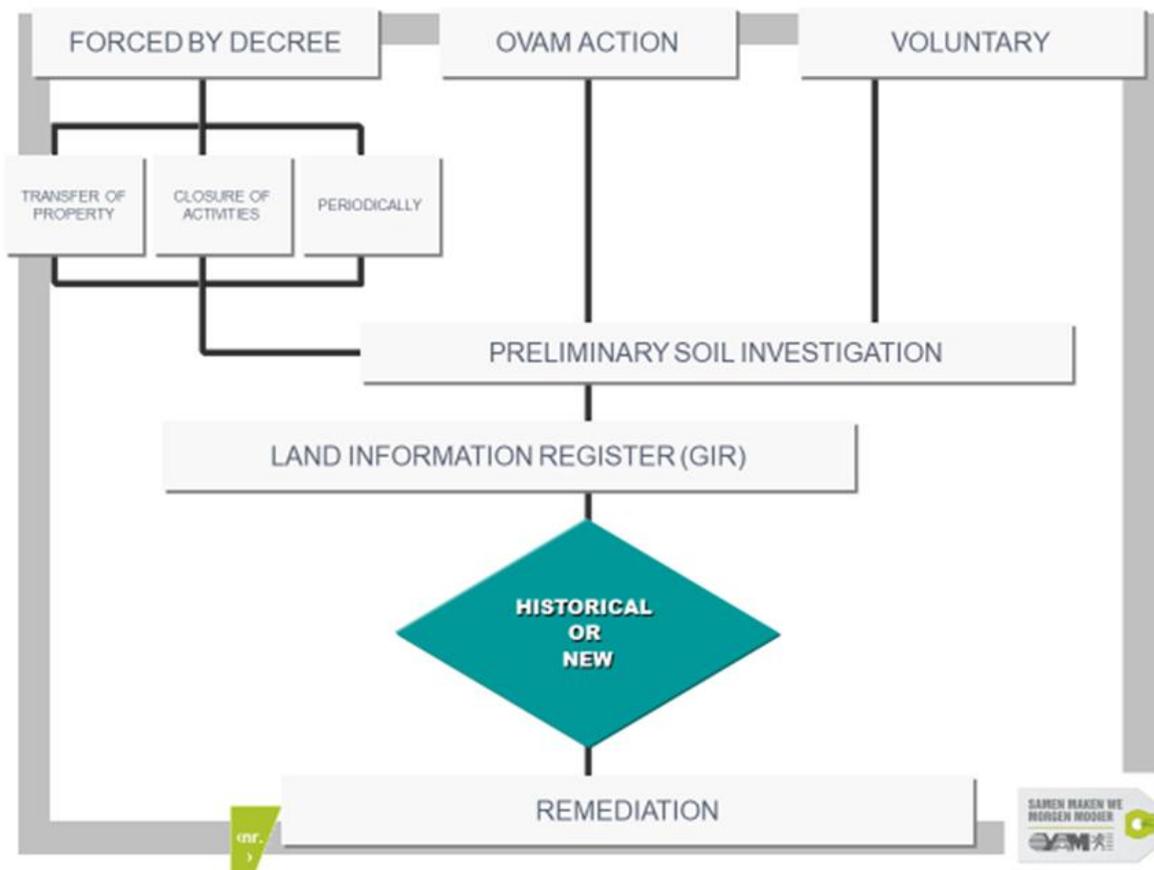
# Data management of contaminated sites in region Flanders (Belgium).

**An overview**

**Eddy Wille, Senior advisor - OVAM**

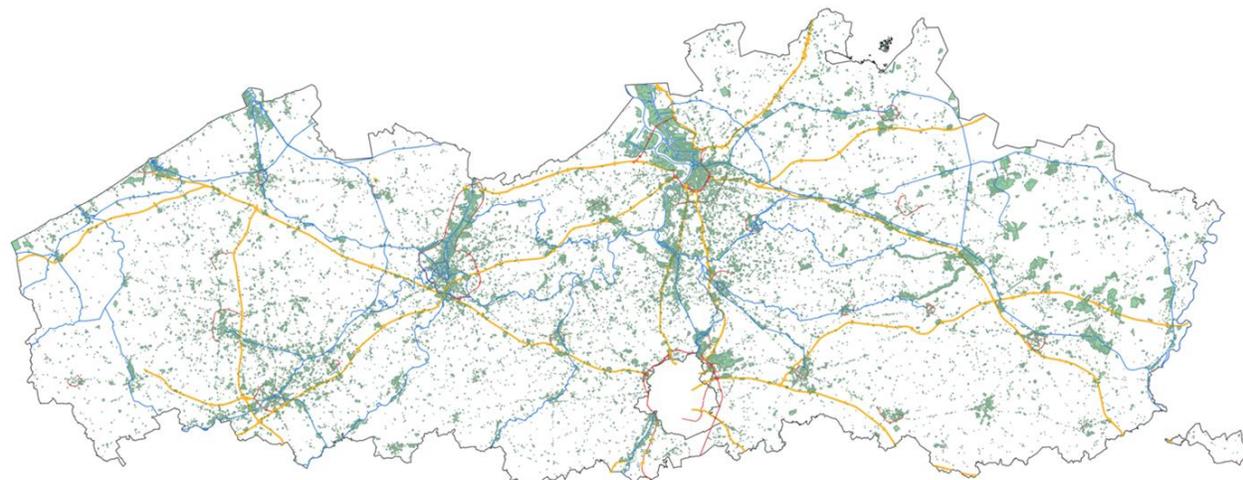
SOILveR Webinar on Soil Certificates and Soil Passports – 14 October 2022

# Data collection & mapping



A few figures since 1996 (2019) :

- more than 3.500.000 soil certificates are delivered
- 43.000 preliminary soil investigations are evaluated
- 15.000 descriptive soil studies are evaluated
- 6.500 soil remediation projects are approved
- 5.800 soil remediation operations have been started and about 3.700 have already been completed



# Land register & Soil certificates

Emphasis on administrative and legal aspects with regard to the Soil (remediation) Act.

- Identification of land plot;
- Validated reports in LIR (1);
- Consequences of encountered contamination.

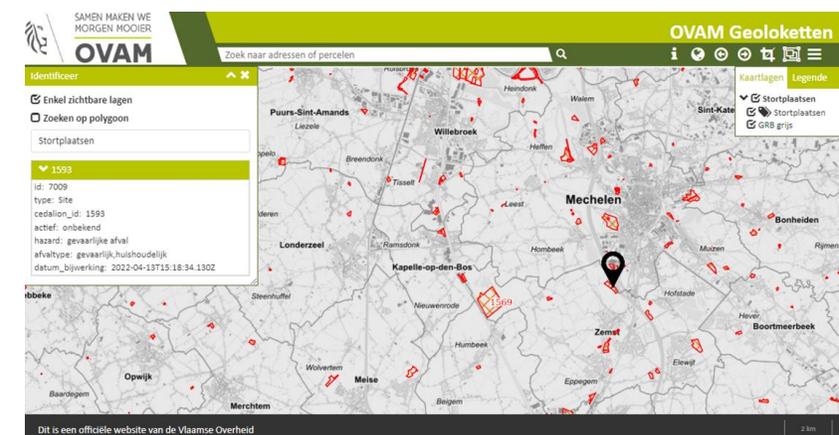
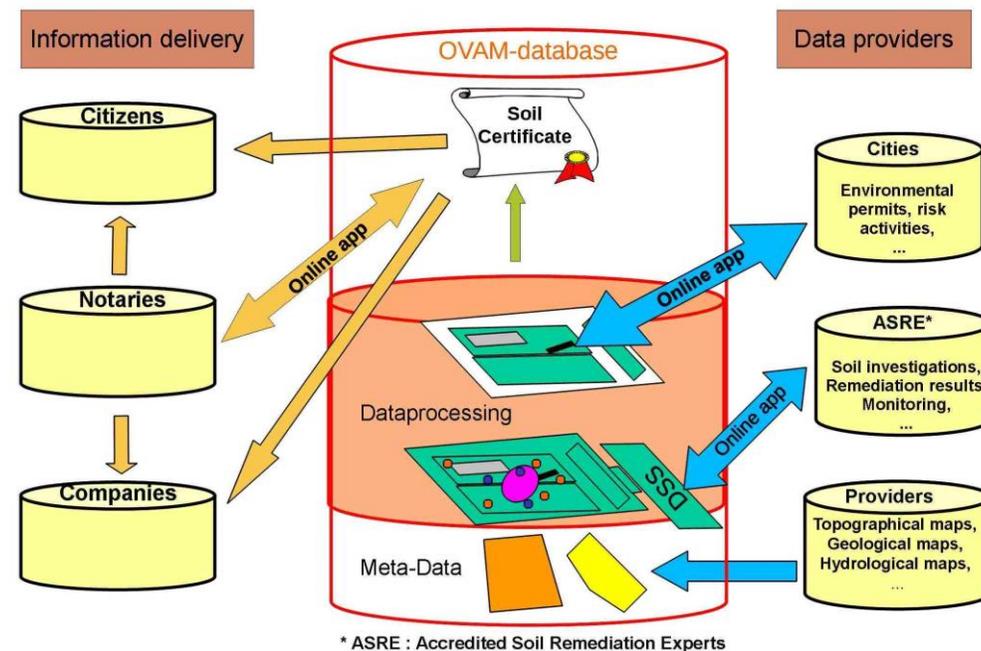
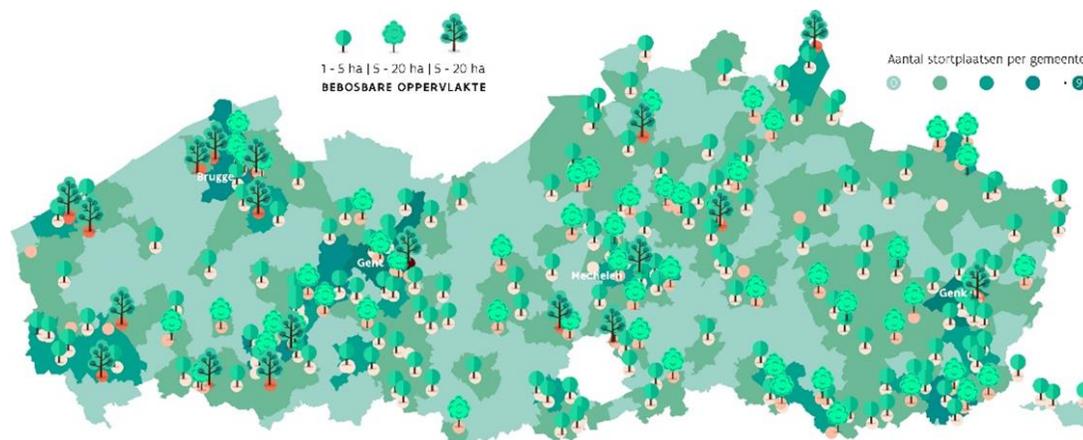
But:

- Not a detailed description of the site history and results of investigations/ remedial actions.
- Limited geographical data available (no systematic georeferenced sampling/analysis data).

Recent initiatives:

- Sharing more data online (web-based viewer);
- Opportunity maps;
- Regional patterns.

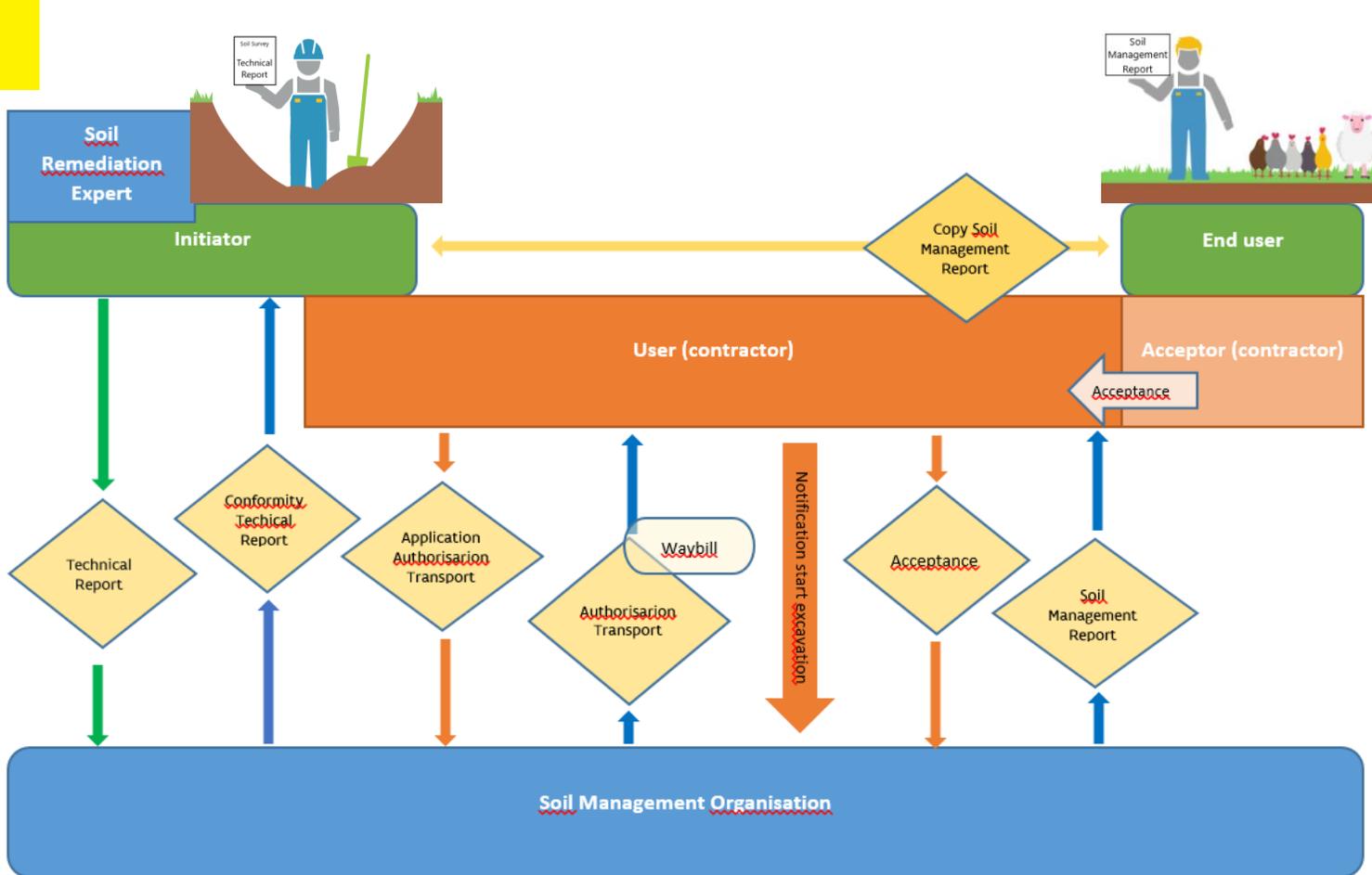
(1) Land Information register



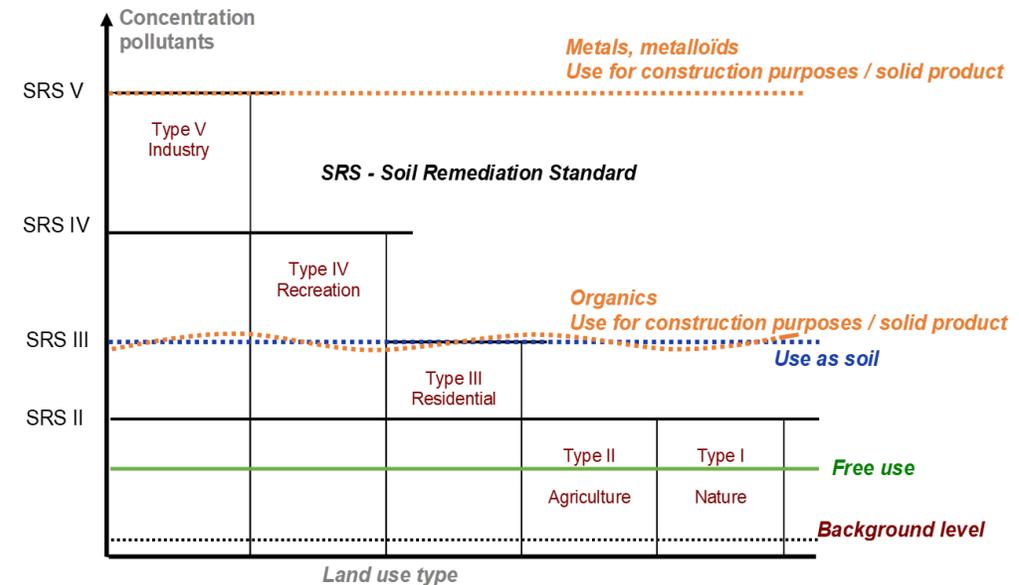
# Policy on excavated soils

- Rules on the use and management of soil materials (e.g. excavated soil) applying the standstill principle;
- Based on volume (above or below 250 m<sup>3</sup>) and suspicion of contamination, an investigation by an accredited soil remediation expert is required to determine the quality and the possibilities for reuse according to a standard procedure;
- The contractor that excavates the soil has to respect and follow a traceability procedure of a certified soil management organization that defines the responsibilities of the different parties (builder, contractor, transporter, receiver);
- All transports of soil by vehicles weighing more than 3,5 tons have to be notified to a soil management organization and have to receive prior permission or permit;
- After the works have been executed as required and if the soil was reused correctly, the receiver of the soil receives a soil management report as a certification of compliance,

# Policy on excavated soils



VLAREBO – soil materials	VLAREMA – Sandy mineral waste materials
<ul style="list-style-type: none"> <li>– Excavated soil</li> <li>– Dredged sediments</li> <li>– Soil-bentonite slurry</li> <li>– Soil slurry</li> <li>– Soil from buried debris layers                             <ul style="list-style-type: none"> <li>– First sieving</li> </ul> </li> <li>– Treated/cleaned soil materials</li> </ul>	<ul style="list-style-type: none"> <li>– Demolitions materials (broken, crushed, washed, treated or recycled) - Granulates, sands</li> <li>– Slag, ash (stony waste)</li> <li>– Sand of sewage sludges, sweeping waste</li> <li>– Sand from industrial processes                             <ul style="list-style-type: none"> <li>– Steel grid, foundry sand</li> </ul> </li> </ul>





Flanders  
State of  
the Art

**Thanks for your attention**

**More information on:**

<https://ovam-english.vlaanderen.be/>

<https://ovam.vlaanderen.be/>

[https://www.researchgate.net/publication/364323573\\_Data\\_collection\\_on\\_soil\\_contamination\\_in\\_the\\_region\\_of\\_Flanders\\_Belgium\\_Data\\_management\\_of\\_landfill\\_sites\\_Applicable\\_laws](https://www.researchgate.net/publication/364323573_Data_collection_on_soil_contamination_in_the_region_of_Flanders_Belgium_Data_management_of_landfill_sites_Applicable_laws)

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