



RAWFILL PROJECT Advisory board 1

Rawfill-WP T2

Decision Support Tools for Landfills :

Eddy Wille Peter Nagels OVAM

23 October 2017 - Liège

OVAM

- Public Waste Agency of Flanders
- Environmental Agency headed by the Flemish Minister of Environmental Affairs
- Established in 1981 (State reform of 1980)
- Competent Authority for:
 - Waste Management;
 - Sustainable Material Management;
 - Soil Remediation.
- Staff: approx. 330 FTE
- Offices : Mechelen – Belgium
- www.ovam.be



WP-2 DST



WORKPACKAGE WP T2

DECISION SUPPORT TOOL (DST) FOR LFM PROJECT SELECTION WORKPLAN Period 1 (2017)

Responsible Partner:

OVAM (Public Waste Agency of Flanders) Eddy Wille

Partners involved:

| | | | |
|-------------|-------------------|--|------------------------|
| OVAM (resp) | Eddy Wille | ewille@ovam.be | + 32 (0)15 28 44 60 |
| SPAQuE | Claudia Neculau | c.neculau@spaque.be | + 32 (0)471 904 468 |
| ATRASOL | Renaud De Rijdt | renaud.derijdt@aenergyes.eu | + 32 (0)496 165 360 |
| BAV | Christian Wolf | wolf@bavmail.de | + 49 2263 805-559 |
| LCJ | Simon Loisel | champsjouault@gmail.com | + 33 02 33 58 59 35 |
| ULg | Frederic Nguyen | f.nguyen@ulg.ac.be | + 32 (0)43 66 37 97 |
| NERC | Jonathan Chambers | jecha@bgs.ac.uk | + 44 (0)11 59 36 34 28 |

Why do we need a DST ?

- ❑ Number of landfills to manage requires priority making:
 - EU-level: ~ 150.000 – 500.000 (Hogland)
~ 600.000 – 800.000 (based on # municipalities, Wille)
 - NW Europe : ~ 100.000 (Eurelco)
 - Flanders : 2.226 landfills registered (OVAM, 2017)
- ❑ Landfills are part of a complex environment and multiple aspects should be taken into account. Trends and frameworks to consider:
 - Environmental risks;
 - Economic conditions;
 - Resource efficiency;
 - Sustainable land use;
 - Climate change;
 - ...

WP T2 : 3 Tasks

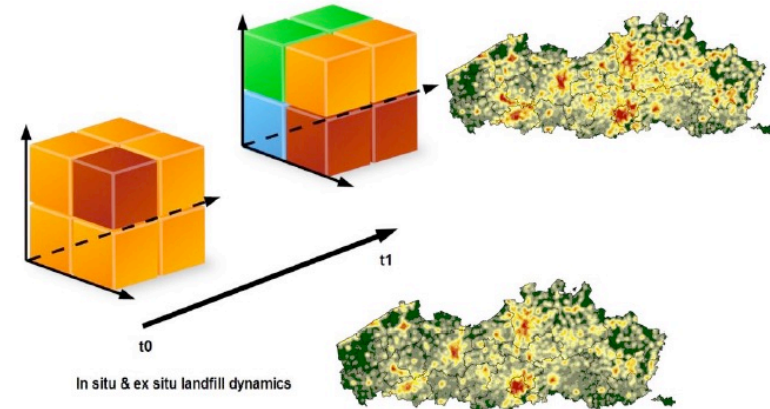
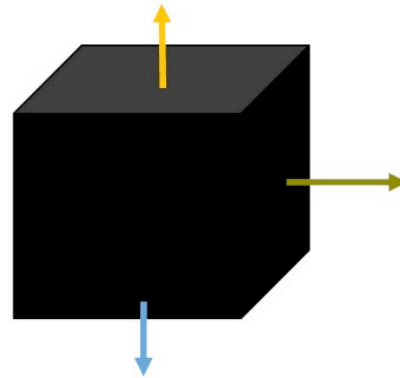
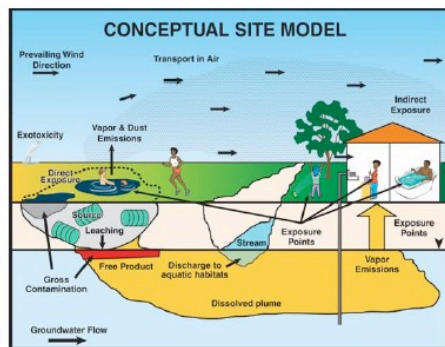


- **A T.2.1 Setting up the DST structure**
- **A T.2.2 Weighting of selected indicators**
- **A T.2.3 Design of Multi-criteria analysis tool (DST)**

A T.2.1 Setting up the DST structure

Use of conceptual site model :

- bringing colour into the black box of a landfill

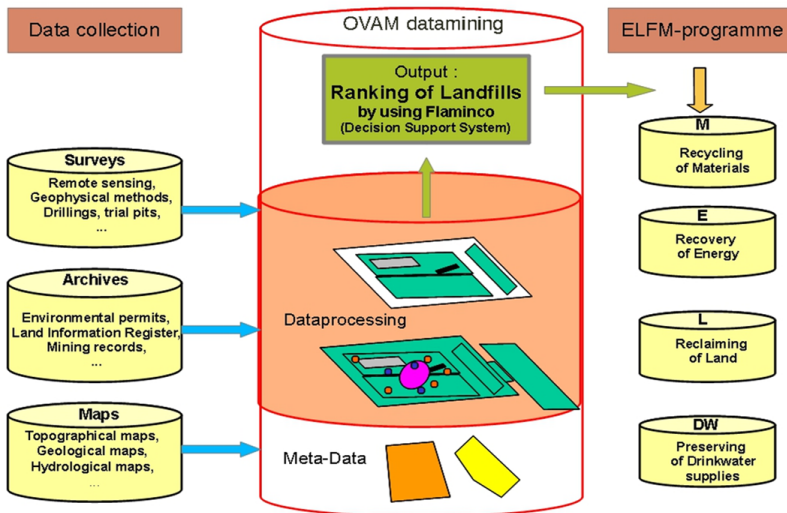
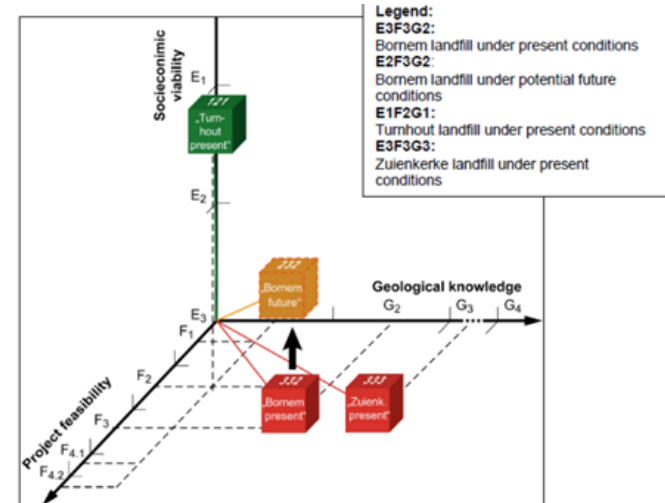
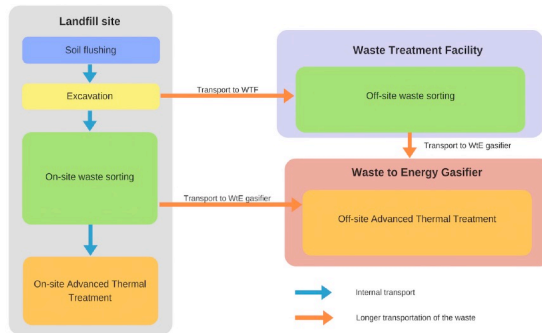


Decision Support Tool

What's on the market ?



SCENARIOS CONSIDERED

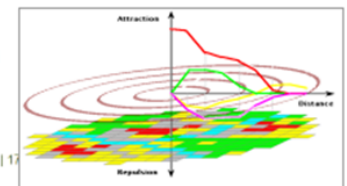


Decision support tool : SPIDER TOOL

- RuimteModel Vlaanderen (Spatial model Flanders) => 'scan' ruimtelijk potentieel van stortplaatsen



- 'transitie potentieel' v/h Ruimtemodel = sterk beïnvloed door de ruimtelijke invulling van de onmiddellijke omgeving
- Analyse van de onmiddellijke omgeving van stortplaatsen



Decision Support Tools

Next steps ?



Joint SMART GROUND/COCOON/RAWFILL Workshop

Venue: OVAM, Stationsstraat, 110 2800 Mechelen - Belgium



07 February 2018

8:30 – 14:30

Interreg



EUROPEAN UNION

North-West Europe

RAWFILL

European Regional Development Fund

Thank you!