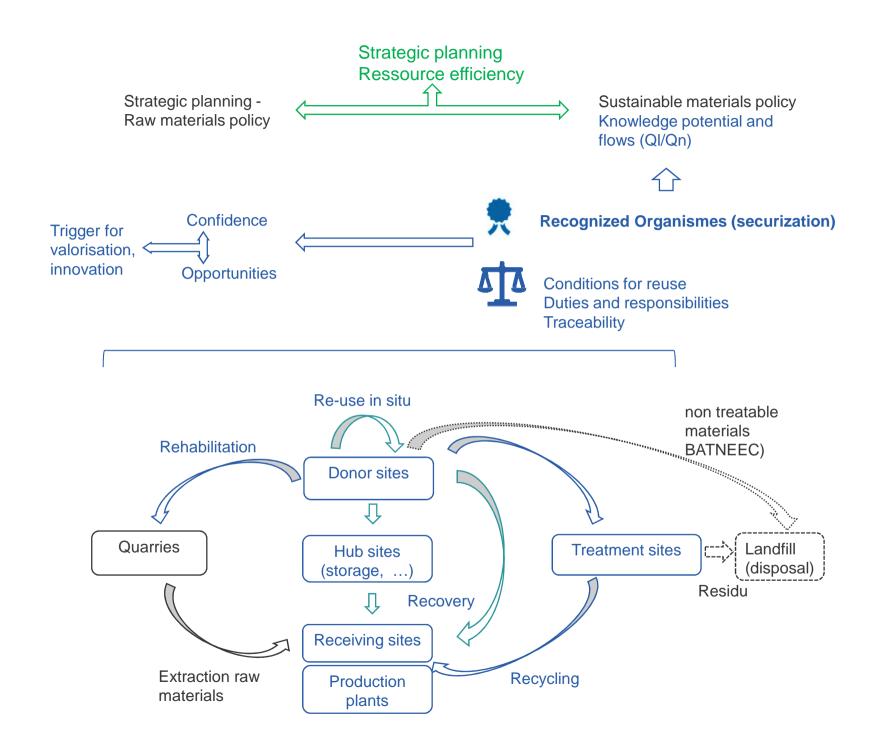
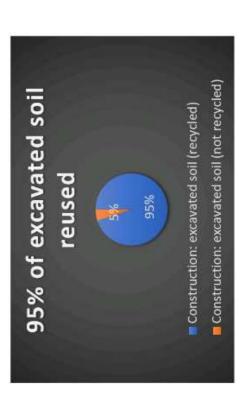


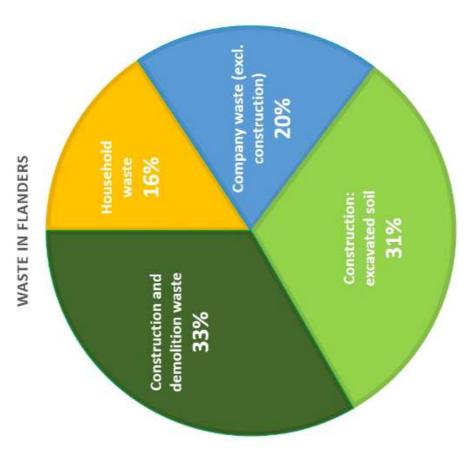
Grondbank vzw, Elisa Vermeulen



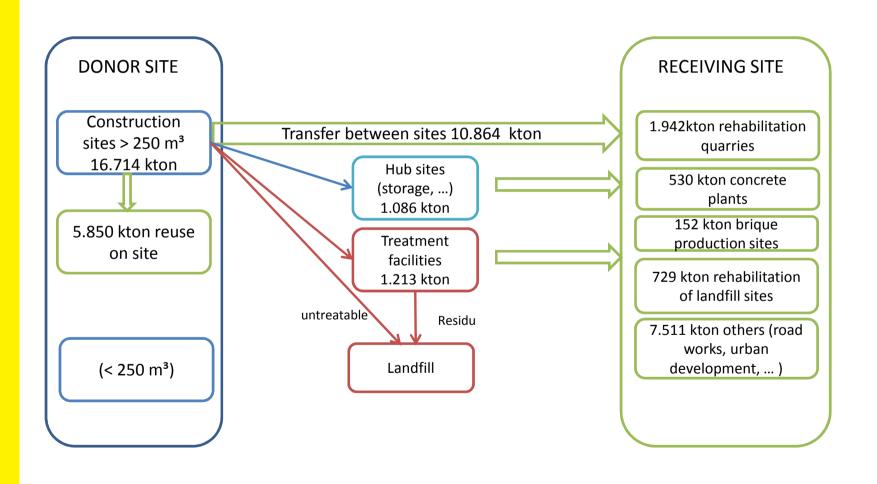








Knowledge flows of excavated soil (2015)



Preliminary soil survey (donor site)

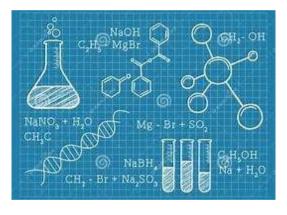
- Analysis of most common contaminants in the soil + specific contaminants due to activities or known diffuse pollution (f.ex. asbestos, PCB, ...)
- In abscence of treshold values \rightarrow calculated value (soil remediation expert), taken into account
 - → The justification behind treshold values (policy)
 - X Stand still = baseline / fit for *any* future use
 - × Absence of exposure risk
 - × Groundwater protection (leaching)
 - → Characteristics of the contaminants (solvability, risks, ...)

Standard Contaminants

	_ ^	l D	I A	D	M
laftaleen	0,64	0,18	0,64	0,18	0,79
Benzo(a)pyreen	1	0	1	0	0,92
enantreen:	0,26	0,37	0,26	0,37	0,15
luoranteen	0,68	0,16	0,68	0,16	0,49
3enzo(a)antraceen	0,94	0,029	0,94	0,029	0,86
Chryseen	1	0	1	0	1
Benzo(b)fluoranteen	0,96	0,021	0,96	0,021	0,74
Benzo(k)fluoranteen	1	0	1	0	1
Benzo(ghi)peryleen	1	0	1	0	1
ndeno(1,2,3-	1	0	1	0	1
d)pyreen					
ıntraceen	1	0	1	0	1
luoreen	0,082	0,46	0,082	0,46	1
Dibenz(a,h)antracee	1	0	1	0	0,91
cenafteen	1	0	1	0	0,72
aanath daan	1071	0.40	A 774	242	0.00



Specific Contaminants



Contaminants of Emerging concern



Transparant code 'XYZ'

Initiation phase

Location (+ acquisition), Financing, Risks, Pre-design



Design phase

Project conception (feasibility, costs, ...)



Preliminary Soil Survey

= Inventory of the soil to be excavated (Ql/Qn/location)



Transparant code 'xyz' thanks to treshold values

Tendering

Technical specifications

Construction works

Soil excavation

Soil Management Organisation

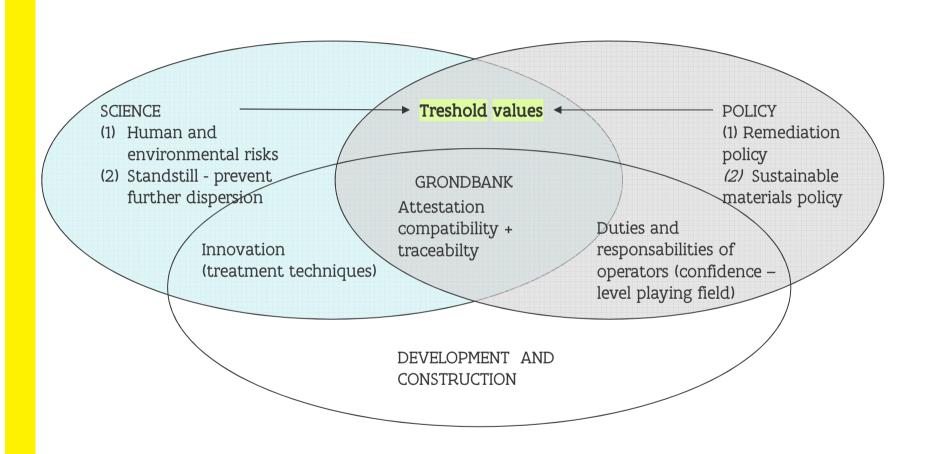
Transfer of information

- Donor sites: possibilities re-use in situ / recovery
- Receiving sites: Intended use

Soil Management Report = attestation of compatibility Ql – intended use + traceability

Selective excavation

- Contaminated soil
- Possibilities for re-use / recovery



Challenges

- Urgent need for a framework for CEC's (diffuse polution)
- Strenght of our model
 - → Opportunities of data gathering → lessons learned → policy instrument
 - → Opportunities for controlled use and registration via soil management report (transfer / preservation of information for future soil excavation)
 - → Managing uncontrolled spreading
- Pay attention to: crossing border flow