

2nd ELFM Seminar in the European Parliament November 20, 2018



Welcome to the 2nd ELFM Seminar in
the European Parliament

COCOON
Interreg Europe



European Union
European Regional
Development Fund



LESSONS LEARNED FROM COCOON

U. Stock (LfU Brandenburg) & E. Wille (OVAM)

COCOON objective: develop, integrate and improve relevant cross-cutting policy instruments on landfill management in the EU



Landfilling: final waste disposal sites as the end of the line in a linear economy



Is this the end of story ?



Risk-based approach
(source-pathway-target): install a safe, infinite containment



Guarding the status quo :
Is this static concept robust to environmental changes ?

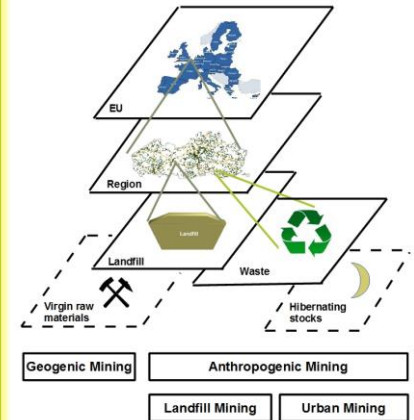


COCOON Analysis:

- Poor exchange of data of (former) landfills
- Majority of old landfills (<1999) seldom state of the art
- LT-effects not limited to landfill scale: local level to global level
- External impact underestimated: climate change, spatial pressure, flooding, soil sealing, drinking water protection
- Rarely landfilling with regard to re-mining (monofills)

COCOON Conclusion:

- Dynamic landfill management approach required (demand & supply)
- Integration in broader frameworks: CE, resource efficiency, sustainable development



Transition **ON** to a dynamic landfill management focusing on Resources and Reserves in order to provide Waste to Materials/Energy/Land & Protection of Resources



Lessons learned from RAWFILL

C. Neculau (SpaQue)

Objective Rawfill = To encourage future profitable LFM projects :

- **Common inventory structure** for landfill sites by integrating economic potential of sites
- **Innovative investigation method of landfill sites** by combining traditional with geophysical methods (to reduce cost and duration, to give more detailed information about landfill content)
- **Decision support tool:** selection of most profitable LFM projects
- [These methodologies are currently being tested through 7 pilot sites]

Identified drivers for landfill mining operations

- ONOZ site: value of lime and ashes – low value of the land
- Lingreville: environmental risks (waste in sea) critical situation, visual aspects
- Le Marais: environmental risks – protection of groundwater
- **Recovery of materials, land recovery, new economical projects, reduce environmental risks, infrastructure constructions, recreative areas, human health**

First Greenddeal in Wallonia region

- **For LFM project Onoz site, via Rawfill**