

**TOGETHER WE
MAKE TOMORROW
MORE BEAUTIFUL**



Socio-economic issues in the research programme of OVAM

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Content

- Citychlor
- Alternative ways of financing soil remediation
- Soil management

- Input from HUB*/KUL** on integration of socio-economic themes in research programmes on soil quality

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Citychlor - general information

- Integrated approach for the remediation of contamination with chlorinated solvents in urban environments
- Interreg IV-B Northwest Europe programme
- 5,2 M Euro (50% ERFD funds)
- OVAM, Ineris, Ademe, ITVA, Bodem+ and the cities of Mortsel, Ghent, Stuttgart and Utrecht
- Startevent: Januari 27, 2010,
- Transnational Workshop: November 16, 2010
- Duration: 3,5 years



Citychlor - social and economical aspects

WP4: aims

- Reduction of remediation costs:
 - alternative financing concepts
 - cost-benefit potential of area-oriented approach
 - innovative technologies for urban use
- Facilitation of urban development and brownfield redevelopment:
 - codes of best practice and routine procedures for risk management in urban areas
 - communication tools to come to correct perception of risks



Citychlor - research questions/needs

- How to spread remediation costs in area oriented approach over different stakeholders?
- Which models for cost-benefit analysis can be used?
- How can area oriented remediation be better integrated in urban planning?

Alternative ways of financing soil remediations

■ Funding

- Based on solidarity
- Bofas - petrol stations
- Vlabotex - dry cleaners
- Premaz - heating oil

■ Cofinancing

■ Agreement on financial capacity



Alternative ways of financing - research questions

- Possibility of “new” funding (e.g. based on contamination)?
- How to come to a fair system of cofinancing?
- How to ensure economic flexibility f.e. in times of crisis

Soil management

- Keep control on ‘minor’ (or residual) pollutions
- Know the (sub)soil and surroundings before you act
 - f.e. drainage for building projects
 - f.e. removal of ground coverings (parking)
 - f.e. spatial planning
- Research questions:
 - juridical instruments: duty to maintain the soil (*‘Bodemzorgplicht’*)
 - practical instruments: tool
 - information: availability and accessibility

Input HUB/KUL

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² Department of Geology (KUL),

³ Centre for Sustainable Management (HUB)

Recommendations

- Use clear terminology for interdisciplinary interactions:
 - ground, soil, subsurface,...
- Use concept of Ecosystem Services (ESS):
 - flexibility, differences, comparison
 - integration of social and economic components



Input HUB/KUL

- Use *social* cost-benefit analysis for evaluating policy
 - in terms of money
 - in terms of pro's and contra's
 - impact on target groups
 - compare with *private* cost-benefit analysis
 - ▶ check social desirability
 - ▶ check motivation of public and private parties
 - ▶ identify possible bottlenecks
 - ▶ identify where government intervention is needed
- Deal with uncertainties in a consequent and transparent way

Input HUB/KUL - Research questions

- Identify soil ESS
- Economical value/appraisal of soil ESS
- Prioritise soil ESS
 - minimum values / tresholds / fixed value
 - calculation methods
- Develop methods to evaluate policy scenario's:
 - adapt social cost-benefit analysis for soil (f.e. integrate cumulative dimension of soil pollution)
 - link to ESS
 - how to deal with uncertainties
 - how to make choices in the timing of projects (prioritize)

Input HUB/KUL - Research questions

- Development and analysis of optimal policy instruments for specific problems (f.e. drainages, redevelopment of brownfields)
- Analysis of impact of liabilities on
 - remediation motivation
 - prevention
 - transactions of soil
- Analysis of alternative ways of financing for remediation projects

**Thanks for your attention.
Are there any questions?**

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