



Tailored Improvement of Brownfield Regeneration in Europe

Timbre project at a glance

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Meeting of Coordinators – Urban Issues, Biodiversity and Land Degradation European Commission, Berlaymont, 22nd – 23rd October 2012, Bruxelles

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Tailored

Improvement of

Brownfield Regeneration







Europe



1. In Europe: Timbre project – Key facts





- Collaborative Project
- ENV.2010.3.1.5-2
 Environmental technologies for brownfield regeneration
- EC-Funding: 3.4 Mio €













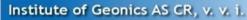












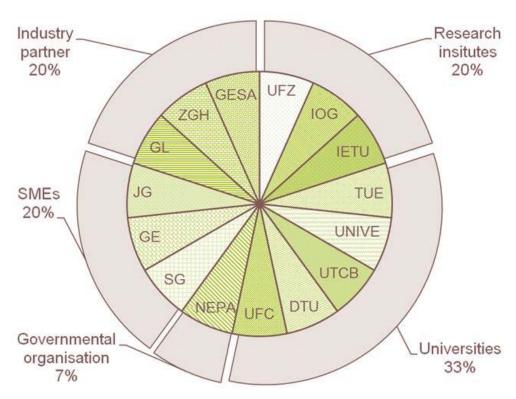




1. In Europe: Timbre project – Partners









15 Partners & International Advisory Board













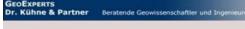










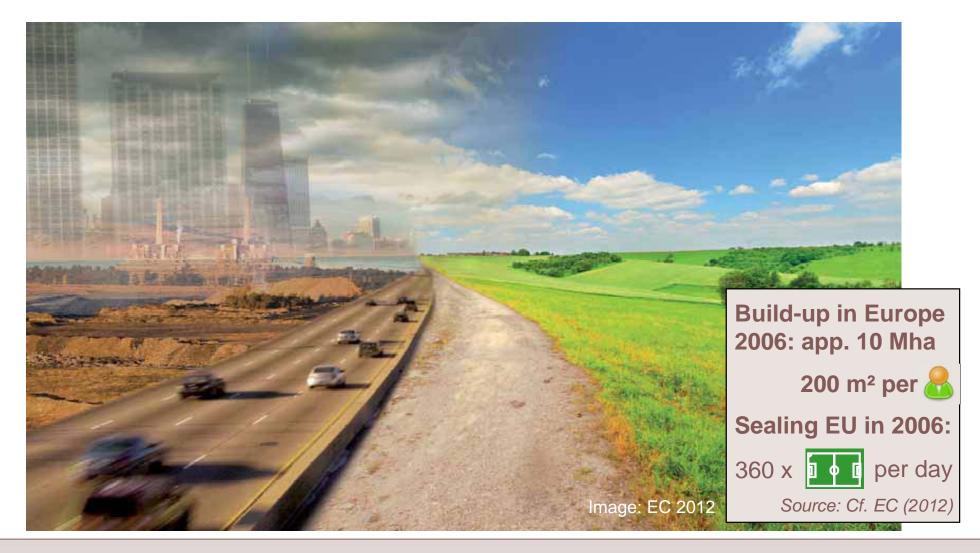








1. In Europe Challenge of degradation & sealing timbre







Brownfield Regeneration



2. Effect of global land-use trends (simplified scheme) and potential benefit due to brownfield (BF)



regeneration grasslands cropland savannahs forests **Jegrade**



2. Revitalization of Megasites Megasites in Europe

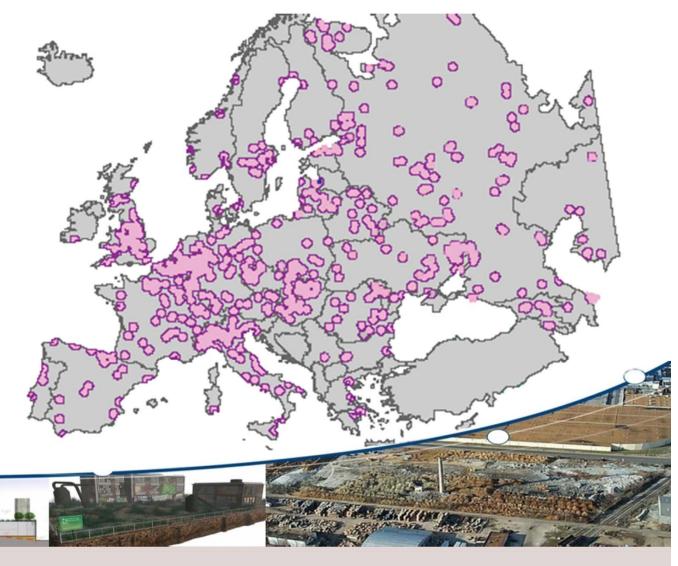


Conservative

Estimates:

- 20.000 Megasites in Europe
- Remediation costs:
 - > 100 Billion €

Source: cf. Bittens et al. (2008)









2. In Europe: Timbre project – test sites









Improvement of



3. Challenges of brownfield regeneration



- Brownfields are typically contaminated (soil/GW)
- Uncertainties about (ecologic, economic, social) consequences dominate
- Diverse perspectives of stakeholders
- Intransparency of evaluation

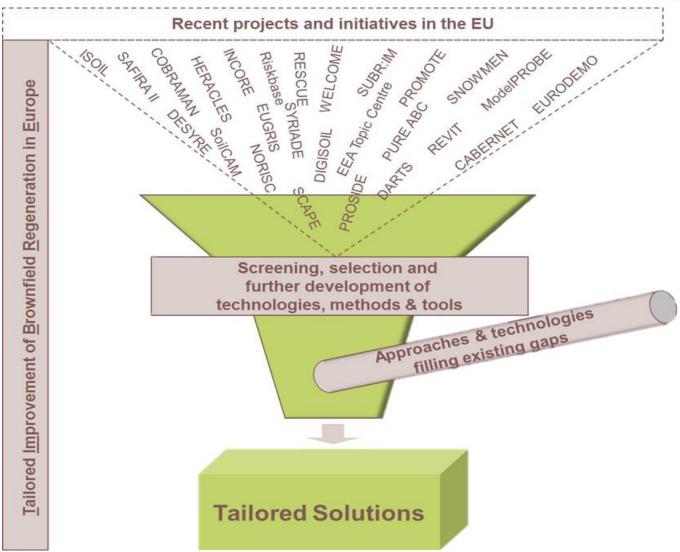






3. Enhancing existing knowledge



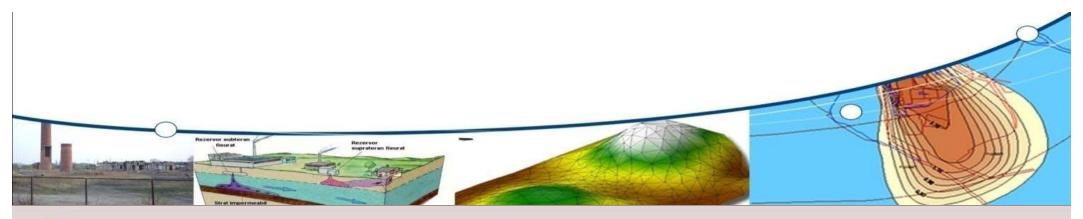




3. timbre project Objectives – Improvement of



- Availability of relevant information
- "In-situ" or "on-site" technologies
- Understanding impacts of decision structures
- Tools for prioritisation
- Tools for planning and assessment





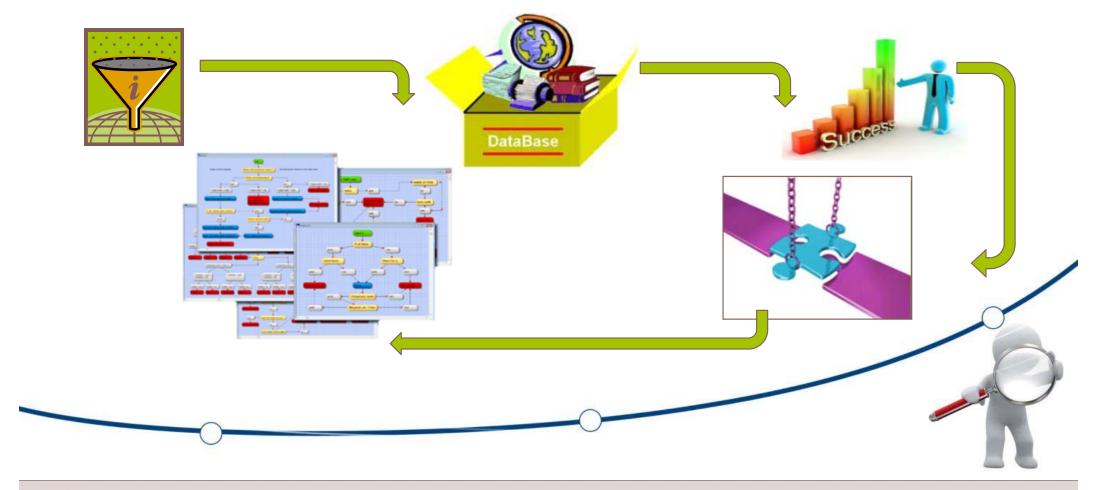


TAILORED





Tailored information on brownfields regeneration







Understanding local specificities, possible barriers and unused potential

Gathering the points of view of stakeholders with variable interests



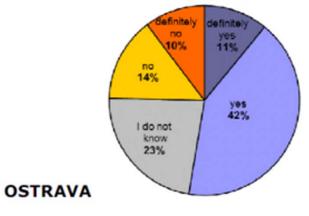






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- T	ID	Name	Municipality	Municipality code	District	District code	Region	Region code	Geographical location	Total area (m²)	Built-up area (% of total area)
1				•					•		
2	1101	průmyslový areál	Adamov	581291	Blansko	CZD641	Jihomoravský k	CZ064	Průmyslový areál leží na úz	194 218	70
3	1102	Adast – sevemi část	Blansko	581283	Blansko	C20641	Jihomoravský k	CZ064	Areál leží v centru Blanska	20 000	
4	1103	Adast – jižní část	Blansko	581283	Blansko	C20641	Jihomoravský k	CZ064	Areál leží v centru Blanska	38 000	7
5	1104	býv. sklady Selio	Blansko	581283	Elansko	CZ0641	Jihomoravský k	CZ064	Areál se nachází v sevemí i	11 600	
6	1105	Úpravna vody Metra a ac	Blansko	581283	Blansko	C20641	Shomoravský k	C7064	Areál leží v západní části B	10 100	circi

Are you afraid of potential pollution (water, soil) associated with brownfields (former factory, military barracks etc.)?









- Demonstrate feasibility and potential of phytoremediation and specific soil washing with recycled foams
- Improve handling and re-use of building rubble











- Estimation of risks, costs and benefits of site re-use options
- Web based tool to support decision makers and inform

stakeholders



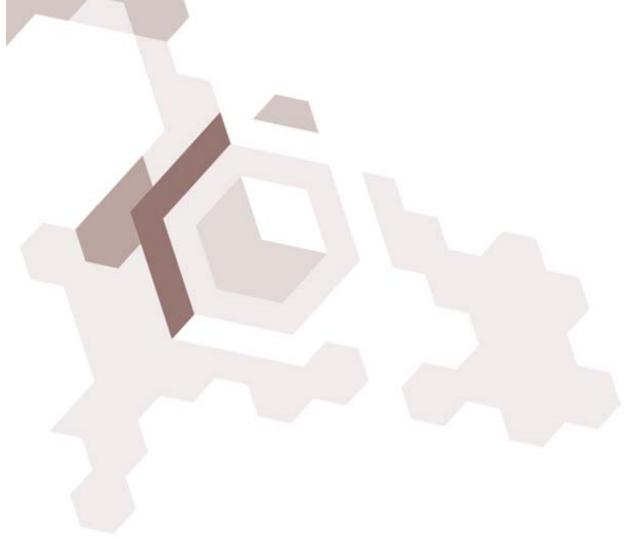




- Mission:targeted disseminationof timbre outcomes
- A end-user friendly
 web-based
 information platform
 on brownfield regeneration
- Specific training opportunities and events for stakeholders









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Thanks for your attention!

Your questions, suggestions, comments are welcome!

http://www.timbre-project.eu

Contact: timbre-info@ufz.de

TIMBRE acknowledges the co-financing from the European Commission – Framework Programme 7 Grand Agreement number 265364

