



AquaConSoil Lyon 2017

14th International Conference on
Sustainable Use and Management of
Soil, Sediment and Water Resources

26–30 June 2017 • Lyon • France

Tuesday | 27 June | 11:00–12:30

Salon Roseraie 1+2

SpS 5a.1 Prioritization strategies & tools for regional brownfield redevelopment: Perspectives & Feedback on existing tools and approaches

Chair: Stephan Bartke

Organizers: Elsa Limasset¹; Stephan Bartke²; Corinne Merly¹; Blandine Clozel¹; Sonia Doisy³; Anne Dubromel⁴; Lisa Pizzol⁵; Stanislav Martinat⁶; Petr Klusaček⁶ ¹BRGM (FR); ²UBA, Inspiration research agenda; ³DREAL ACAL; ⁴Conseil regional Auvergne-Rhone-Alpes; ⁵University Ca' Foscari of Venice; ⁶Institute of Geonics Brno

The ability for a prioritization and targeted selection of brownfields is increasingly understood as being critical for regional development. Several European companies, communities and regions have built brownfield registers to steer brownfield investments. Having different brownfield redevelopment options, a proper selection of most promising sites is a pre-requisite to efficiently allocate the limited financial resources. Authorities are in need of strategies and tools to screen wide areas with a large number of brownfields to identify locations with best potentials for redevelopment.

So far, only a few tools have been developed to support “regional brownfield prioritization” strategies. These are mainly spatial decision support tools based on multi-criteria analysis (MCA). Noteworthy is the Timbre Brownfield Prioritization Tool (TBPT), a freely available web-based tool assisting stakeholders in prioritizing brownfields. It was developed under the FP7 R&I project TIMBRE.

A similar prioritization tool relying on a MCA is being developed and tested for the French Alsace Regional authority. This tool is required as part of a regional strategy to encourage transparent decision-making process in sites prioritization and selection, especially for those where groundwater is potentially contaminated and would benefit from state funding for remediation. The Auvergne-Rhone Alpes region, through its regional brownfield initiative called “ID Friche”, is developing an approach to provide tools to inform decision makers in how to improve efficiency of brownfields redevelopment.

The aims of this session are to share knowledge and experience on regional prioritization approaches and to discuss lessons learned on best ways to develop prioritization tools by avoiding challenges identified in previous projects and utilizing potentials of innovative approaches already developed.

The session, facilitated by Stephan Bartke (UBA & UFZ), will consist of three parts:

Part 1 – Introduction and Background (15 min)

- S. Bartke, PhD (UBA & UFZ, DE): Objective: Understanding the challenges and opportunities for regional brownfield prioritization
- L. Pizzol, PhD (UNIVE and GD, IT): Setting the scene: Status-quo of risk-based approaches for brownfields prioritization at regional scale

Part 2 – Examples of Recent Prioritization Approaches (30 min)

- P. Klusáček, PhD (IoG, CZ): Challenges and obstacles in transdisciplinary research: The TIMBRE Brownfield Prioritization Tool's application in 5 countries
- E. Limasset (BRGM, FR): Development of a brownfield prioritization tool for the French Alsatian local authority based on available data
- C. Merly (BRGM, FR): Co-Design of a brownfield prioritization approach for the French Auvergne Rhône Alpes Regional Council from a stakeholders' needs perspective

Part 3 – World Café – Exchange on Improving Prioritization Tools (45 min)

- Participants will discuss in separate groups for 3 slots of 10 minutes on expectations, experiences, opportunities and concerns related to effective regional brownfield prioritization strategies and tools.
- Topics, from which participants choose, will include:
 - End-user needs and orientation
 - Data availability and quality
 - Effective stakeholder engagement
 - Understanding drivers of regeneration success
 - Applicability of ecosystem services concept
 - Financing and application costs for tools

The session will close with a 2-min report from report from each table back to the plenum.

