

Registration

- I like to participate in the workshop on the 11th March 2014 and choose the following Information Network Tool or Prioritization Tool or Site Assessment Tool.
- I like to participate in the scientific conference on 12th March 2014.
- I like to participate in the Timbre project meeting on 13th–14th March 2014.
- I would like to test my own data
- I cannot attend, but would like to be informed of the results of the workshop & conference.
- Participation in the events is free. There are information materials and beverages provided. Travel costs cannot be refunded.
- Please send your registration before **20th February 2014** to:
Stephan Bartke | Helmholtz Centre for Environmental Research – UFZ | Dept. Economics
Permoserstr. 15 | 04318 Leipzig | Germany
Or register by **fax: +49 341 235 45 1683** | or by **email: timbre-info@ufz.de**

Name, first name
Institution
Email



Venue

We invite you to the Technical University of Civil Engineering Bucharest. The university is an ideal location for the TIMBRE conference and workshops, offering facilities to present scientific insights and enabling users to test the software products of TIMBRE directly .

122 - 124 Lacul Tei Blvd.
020396, Sector 2
Bucharest, Romania



How to reach the venue



By tram: from Gara de Nord you can take either tram 182 (takes 48min) or Tram 282 (takes 51min). Exit at Station "Institutul de Constructii"



By metro: at metro station Gara de Nord take M1 to station Stefan Cel Mare, then walk for about 2km along the Bulevardul Laoul Tei until you reach the university

By Taxi: please be extra careful to chose an official taxi. Ask the driver to drop you of at tram stop "Institutul de Constructii".

Contact

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www.timbre-project.eu



timbre

Tailored Improvement of
Brownfield Regeneration
in Europe

CURRENT CHALLENGES IN CONTAMINATED SITE MANAGEMENT

Hands-on tools
Scientific insights
Lessons learned

Final Conference and
Annual Meeting of the
FP7 project TIMBRE

11th – 14th March 2014

Bucharest | Romania

timbre acknowledges the co-funding from the European Community's Seventh Framework Programme under grant agreement no 265364 (2011-2014).



Timbre background

Major areas previously used for mining, military or industrial purposes are frequently beset by high levels of contamination. Regarded as being problematic, many have become brownfields, impeding the development of surrounding communities.

Across Europe there are over 20,000 large and complex contaminated sites. These so-called megasites threaten scarce soil and water resources and cause environmental and health risks as well as economic and social costs. Their effective and sustainable regeneration requires innovative investigation and remediation technologies and integrated evaluation approaches.

The **Timbre – Tailored Improvement of Brownfield Regeneration in Europe** – project aims to support stakeholders and key-actors in over-coming existing barriers by developing and providing customised problem- and target-oriented packages of technologies, approaches and management tools for brownfields' re-use planning and remediation.

These **Timbre workshops** aim at introducing and discussing methods and web-based tools developed in Timbre for **(1) the selection of information, (2) the prioritization and (3) the integrated planning and assessment of re-use options**. Actors involved in the redevelopment of brownfields as well as other experts and interested persons from regional or national institutions are invited to the workshops.

The **Timbre Conference** will present **key scientific outcomes** of the project and further introduce representatives of international initiatives and teams.

We invite representatives from academia, the public authorities, consultants and companies supervising regeneration activities to participate in these events.



Timbre partners

Timbre consists of a consortium of 15 partners, which have an international reputation for scientific excellence and a broad experience in delivering sustainable brownfield regeneration approaches and technologies to end-users at the European and national levels. Moreover, the project will be actively supported by an International Advisory Board of renowned experts. We all are looking forward to meeting you in Bucharest



Università
Ca'Foscari
Venezia

Technical University of Denmark



EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN



UJON



Acknowledgement

For further information on the EU-Project TIMBRE please visit the website: www.timbre-project.eu

11th March 2013 – Workshops on hands-on Timbre tools for brownfield regeneration

- 09:00 Registration and Opening
- 10:00 Workshops
 - Timbre Information System
 - Prioritization Tool
 - Site Assessment Tool
- 16:30 Get together

12th March 2013 – Conference: Tailored Improvement of Brownfield Regeneration in Europe

- 09:00 Continued registration
- 09:15 Welcome and opening
- 09:45 TIMBRE - Scientific project results
- 12:45 Break & Poster Session
- 13:45 Key-note by Luca Bonomo, Milan
- 14:30 TIMBRE - Scientific project results
- 15:45 Insights from partner projects and international initiatives
- 17:15 Plenum discussion
- 18:00 Get together & Conference dinner

13th – 14th March 2013 – Annual Meeting

- Timbre project annual meeting of partners
- Project internal General Assembly

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Background Workshop 1

The transformation from industrial to information and service societies has produced many brownfields all over the world. Areas previously used for mining, military or industrial purposes are frequently beset by contamination - impeding the development of surrounding communities. This situation is due to a lack of standardised legal procedures/frameworks to support sustainable brownfield regeneration, or to the non-visibility of many best practice innovative approaches, methodologies, tools and technologies for brownfield regeneration, as well as due to the insufficiently addressed necessity of clearly identify stakeholders' needs.

The project **TIMBRE – Tailored Improvement of Brownfield Regeneration in Europe** – aims at supporting stakeholders and key-actors in over-coming barriers to brownfield regeneration by providing customised problem- and target-oriented technologies and management tools for brownfields' re-use planning and remediation.

As a key result, TIMBRE provides a **web-based Information System** to be a collector and a provider of available information related to the management of brownfields.

Specific functionalities for searching the information collected within the Information System according to end-users specific needs have been implemented. The tool will support the evaluation and ranking of the collected information **providing end-users with the most suitable information/tools according to their specific needs.**

Join this event to get involved in the final development of this tool.



TIMBRE Information System

09:00 – 09:30 Registration

09:30 – 10:00 Welcome & Opening

10:00 – 11:15 SESSION 1- Introduction:

Presentation of the Information System structure, functionalities and interfaces

The Timbre Information System aims at supporting stakeholders in sharing, accessing and selecting the most suitable information for the different requirements of the brownfield management process, taking into account their specific specific needs and the evaluations provided by previous users.

Getting participants involved

Participants are involved with the “cards’ game” and invited to formulate some search aims.

11:15 – 11:30 Coffee break

11:30 – 12:45 SESSION 2 – PC session:

Guided use of the Information System

Participants will be guided to use the Information System and will get the chance to perform their own search for information and material of interest concerning the brownfield regeneration process. Each participant will register within the tool and will use the functionalities in order to upload, download and evaluate the information of interest.

12:45 – 14:00 Lunch break

14:00 – 16:30 SESSION 3 – PC session:

Stakeholders’ feedbacks for the improvement of the Information System

Participants will have the opportunity to share their expectations and information needs related to the development of brownfield regeneration projects and to discuss their requirements and feedbacks with the tool developers and other participants.

Wrap up. The workshop results will be presented and discussed

Participants’ feedbacks related to the information collected within the Information System will be used to further refine and to better tailor the future results provided by the tool.



Ranking of e-links



16:30 Coffee and informal get together

Participants are invited to spend some in-formal get together time with the Timbre tool developers to discuss their information needs and learn more about the development and applicability of this Timbre tool.

TIMBRE Workshop 1 – Bucharest – 9:00h – 16:30h on 11th March 2014

For further information on timbre objectives and partners visit: www.timbre-project.eu

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Background Workshop 2

The collection of data on existing brownfields has been initiated in different regions. Institutional property owners or local authorities have in many cases extensive registers of brownfield sites. However, the growing size and complexity of the data reduces its clarity. How to assess which of the properties in the dataset have the highest potential for re-use? How should the limited resources be directed to optimize the impact? This is where the TIMBRE project is to provide innovative web-based solutions.

TIMBRE builds on state-of-the-art research on determining factors of successful land uses. It has developed a web-based online tool, which supports the evaluation of the potential of reusing brownfield sites in given databases. As a result, users get a tabular and graphical output on the evaluation and prioritization that is tailored to their requirements.

This Timbre workshop aims to give brownfield owners, local authorities, planners and investors an insight into the tools developed in the project. **Participants will be introduced to the tool and will have the opportunity to test it directly at different computer stations.**

If desired, you can **evaluate your own database** of sites with the Timbre Prioritization Tool. We will send you information about the necessary Excel spreadsheet as a template, once you register for this workshop and indicate your interest to test own data on the registration form.



Prioritization Tool

09:00 – 09:30 Registration

09:30 – 10:00 Welcome & Opening

10:00 – 11:15 SESSION 1 – Introduction

Presentation of the Prioritization Tool

A presentation of the Prioritization Tool's structure, functionalities and interfaces will be provided.

11:15 – 11:30 Coffee break

11:00 – 12:45 SESSION 2 – Objectives and examples: Overview of exemplary applications of the Prioritization Tool

Participants will be introduced to exemplary applications of the Prioritization Tool in case studies in

- South Moravia, Czech Republic
- Silesian Region, Poland
- Thuringia, Germany
- East Germany Portfolio

12:45 – 14:00 Lunch break

14:00 – 16:00 SESSION 3 – PC session:

Test session in small groups

The participants to the workshop are given the opportunity to familiarize themselves with the Timbre Prioritization Tool, by using sample data sets or their own data sets..

The Timbre-partners explain functionalities of the Tool and provide guidance for its application.

The experiences of the participants of testing the tools will be gathered.

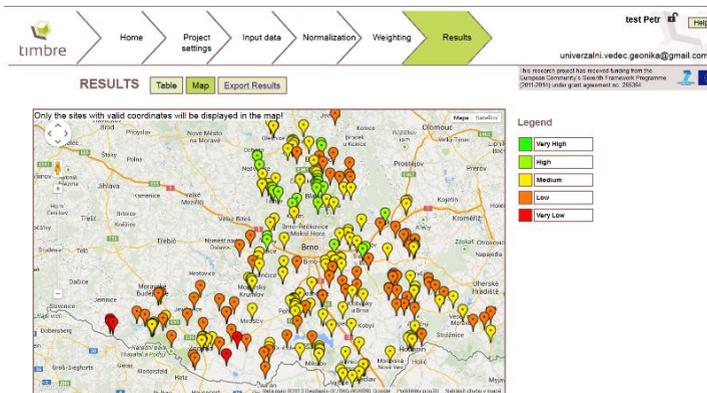
16:00 – 16:30 SESSION 4: Wrap-Up

The workshop results will be presented and discussed

Participants will share their opinions on the value added of the Prioritization Tool in the management of brownfields.

16:30 Coffee and informal get together

Participants are invited to spend some informal get together time with the Timbre tool developers to discuss their information needs and to learn more about the development of this Timbre tool.



TIMBRE Workshop 2 – Bucharest – 9:00h – 16:30h on 11th March 2014

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Background Workshop 3

In collaborative efforts of Work Package 6 partners, a web-based tool is being developed that particularly addresses the information and participation of a wider group of interested people in the process of planning and comparative assessment of possible options for re-using a brownfield.

The so-called Site Assessment and Re-use Planning Tool (SAT) represents a “light” version of the desktop expert tool “Megasite Management Toolsuite (MMT)” and offers additional assessment modules.

The MMT is aimed at professionals, e. g. planners and decision makers in municipal authorities and private companies, who need to make informed judgements about

- Clean-up costs (soil, groundwater, buildings)
- Economic benefits and risks
- Contribution to sustainable local and regional development
- for particular re-use options

SAT, with its intuitive and easy-to-use graphical user interface is specifically designed for interested stakeholder incl. non-experts who can use the tool to learn about re-use options currently subject to discussion and to participate by interactively designing their own future land use visions.



Site Assessment Tool

09:00 – 09:30 Registration

09:30 – 10:00 Welcome & Opening

10:00 – 11:15 SESSION 1 – Introduction

Presentation of the general idea and objectives of the development as well as of the SAT's structure, functionalities and interfaces will be provided.

11:15 – 11:30 Coffee break

11:00 – 12:45 SESSION 2 – The Modules

Presentation to the parameters that can be assessed with the tool

- remediation and deconstruction costs required to implement re-use option,
- market value of the prepared land,
- sustainability of the re-use option,
- risks from dietary intakes of vegetables and other plants grown on the site,
- potential to (partly) use the site for the production of bioenergy.

12:45 – 14:00 Lunch break

14:00 – 16:30 SESSION 3 – Exemplary applications and own testing

For each of the brownfields serving as Timbre model sites (Krampnitz/Germany, Szprotawa/Poland, Hunedoara/Romania, and Radeberg/Germany), future site re-use options were designed and assessed.

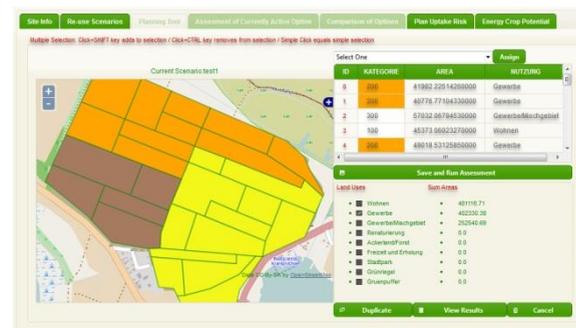
Possible re-use visions in terms of future land use maps were created together with local stakeholders in a participatory design process supported by the Megasite Management Toolsuite (MMT).

Intending to focus on the Hunedoara site we will discuss existing assessment results and participants of the workshop are given the opportunity to test SAT in order to create and assess their own re-use visions.

Experiences from the participants of testing the tools will be gathered.

16:30 Coffee and informal get together

Participants are invited to spend some informal get together time with the Timbre tool developers to discuss their information needs and to have further information on the Timbre tools.



TIMBRE Information Network “Expert System”

For further information on timbre objectives and partners visit: www.timbre-project.eu

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Background Conference

The regeneration of contaminated brownfields is essential for sustainable land management in Europe. Useful and innovative technologies for site clean-up as well as methods to support decision making exist, but they are only rarely applied using their entire potential. The possible reasons for this are the non-visibility of tools or the overabundance of scattered information. As a result, problem owners, managers, local authorities and other stakeholders do not regenerate contaminated sites using the best available technology or tailored planning and decision support systems measures.

A larger number of contaminated sites could be revitalized sustainably if efficient technologies were applied, potential re-use options were assessed holistically and if relevant risks were quantified. The Timbre project supports end-users in overcoming existing barriers by developing and providing customized problem- and target-oriented packages of technologies (e.g. direct push, tree core sampling, soil washing with recycled fluids), approaches and management tools for the prioritization, reuse planning and integrated assessment of large and complex contaminated sites in Europe. As a unique asset, Timbre does deliberately include the cultural characteristics and their regionally distinctive features.

Following the application practice-orientated Timbre workshops, **the Timbre conference** is to introduce and discuss the project's key **scientific contributions**. It will benefit all actors looking for state-of-the-art in contaminated sites management and regeneration.



The Timbre Conference

09:00 – 09:15 Registration

09:15 – 09:45 Welcome & Opening

09:45 Session 1: Scientific results from the Timbre project

- TIMBRE Information System for the ranking of available information according to stakeholders' opinions and expertise.
- Brownfield prioritization: from success factors to the web-based tool
- Prediction and minimization of emissions during deconstruction measures
- Assessment of buildings and structures regarding re-use and deconstruction: The example of the Szprotawa test site

10:45 – 11:15 Coffee break

11:15 Session 2: Scientific results from the Timbre project – continued

- A new screening tool for typical subsurface pollutants: Phytoscreening by tree coring
- Treatment of hydrocarbon contaminations in source zones with reused fluids: experiences, assessments and future developments
- CPT-based direct sensing as key technology for reliable site characterization & remediation
- Application of different screening methods and the results from the Szprotawa case study.
- The case study: Integrated Brownfield Site Assessment - Hunedoara ECO-SID

12:45 – 13:45 Lunch break

13:45 – 14:30 Key-Note: Luca Bonomo

- Current challenges in contaminated sites management

14:30 – 15:15 Session 3: Scientific results from the Timbre project – continued

- Understanding regional decision structures and the role of key actors
- Integrated site assessment tools: "Integrated planning and spatial evaluation of megasite remediation and reuse options"

15:15 – 15:45 Coffee break

15:45 Session 4: Insights from international partner initiatives

- EPAs Research Action Plans
- Circular Flow Land Use Management
- Holistic brownfield management
- OMV Petrom strategy in managing hydrocarbon contaminated sites
- Czech brownfields partnership
- Sustainable Soil Upgrading by developing cost effective, biogeochemical remediation

17:15 Plenum discussion

- Lessons learnt | Mapping future research

18:00 Informal get together & Conference dinner

Participants are invited to an informal get together with the Timbre partners and conference speakers and participants followed by a joint dinner (at own costs).

Bucharest – 12th March 2014

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Impressions of previous meetings

Leipzig 2010:



Leipzig 2011:



Venice 2012:



Brno 2013 see on the right.

And Bucharest? – Join in and do not miss the last Annual Meeting.



13th March 2014

Timbre Annual Project Meeting

14th March 2014

09:00 – 09:30 Registration

09:30 – 10:00 Welcome & Opening

- Introducing agenda, organisation, points of attention collection

10:00 Session 1: Test sites

- Status at Timbre test sites
- Remaining local activities
- Lasting impacts

11:15 – 11:30 Coffee break

11:30 Session 2: Update from WPs

- Status in WPs – Poster review

13:00 – 14:00 Lunch break and group picture

14:00 Session 3: Remaining activities

- Definition of remaining tasks and responsibilities in the project duration
- Planning of remaining events

16:00 – 16:30 Coffee break

16:30 Session 4: Administration

- Requirements to final project reporting

17:15 Session 4: Feedback

- Input by International Advisory Board
- Identification and prioritising of open points as input to next day.

**19:00 Social event:
Dinner at traditional place**

08:45 – 09:30 General Assembly

09:30 – 09:45 Introduction to final day

- Introducing agenda, organisation, points of attention collection

10:30 Session 2: Open Space

- Introduction to setting: Open Space

10:15 – 10:30 Coffee break

10:30 Session 2: Open Space – continued

- Discussion in parallel groups
- Plenum summary of results

12:30 Session 3: Final discussion

- Uptake of points of attention
- Final thoughts and lessons learnt

13:15 – 14:00 Lunch and closing

14:30 Social event: Village Museum



TIMBRE Annual Meeting – Bucharest – 13th–14th March 2014

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Outcomes and results

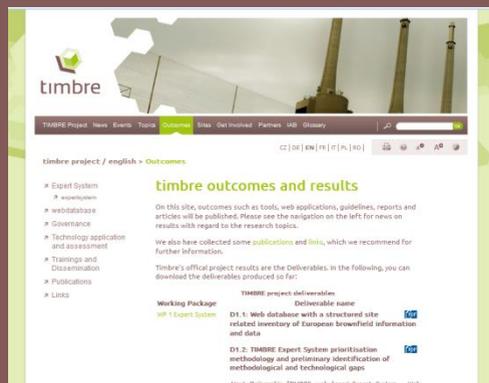
Within the Timbre project outcomes such as tools, web applications, guidelines, reports and articles will be published.

Some results of each working package are shown in the summary on the right.

The Timbre Project is structured into eight working packages:

- WP1: Timbre Information System
- WP2: Local Cultures & governance
- WP3: Prioritization
- WP4: Investigation & remediation
- WP5: Deconstruction & re-use of building rubble
- WP6: Integrated web-based planning & assessment tool
- WP7: Dissemination & toolsuite platform
- WP8: Project management

Timbre's official project results are the Deliverables. For further information or to download the documents please visit our website: <http://www.timbre-project.eu/>



Screen shot of Timbre website's outcomes section



Overview on the Timbre outcomes and results

WP1: Timbre Information System

- Web-Tool: Timbre Information System as expert platform for innovative and widely applicable strategies, technologies and solutions

WP2: Understanding governance

- Drivers and barriers in regeneration projects: sociological research findings from 4 countries
- Key Actors and decisions in brownfield regeneration: Site-specific insights from the Czech Republic, Poland and Romania

WP3: Prioritisation

- European dataroom of regenerated brownfields
- Web-based Prioritization Tool to support stakeholders responsible for wider territories (cities, regions, districts) or clusters of brownfields (portfolios), to distribute resources to those brownfields that are assessed to be most critical, urgent or profitable to regenerate



Impressions of technology application (WP4) in Szprotawa, Poland.

WP4: Investigation & remediation

- Phytoremediation – A green solution –
- Tree Coring – A phytoscreening technology –
- Soil-flushing with reused fluids
- Combined MIP-HPT-CPT probe for multi-parameter detection

WP5: Deconstruction & re-use of building rubble

- Practice and regulations concerning re-use and deconstruction of buildings in the EU
- Prediction and minimization of emissions during de-/construction measures

WP6: Integrated web-based planning & assessment tool

- Expert software toolsuite for planning and assessment of brownfield re-use options: The Megasite Management Toolsuite – MMT
- Selected re-use options at Timbre model sites
- Customisable open-source web based tool for the integrated evaluation of brownfield redevelopment options – Tool for the involvement of non-expert users in finding sustainable re-use options for brownfields
- Guideline and example for add-ons to the web based tool

WP7: Toolsuite platform

Further information and Acknowledgement

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