



timbre

Tailored Improvement of
Brownfield Regeneration
in Europe

Second report on TIMBRE end-user publications

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Report on TIMBRE end-user publications

Content

1.	Introduction	4
2.	Overview of publications	5
3.	Specific publications	17
3.1	Website www.timbre-project.eu – Improvements since 3/2012	17
3.2	Publications documenting the TIMBRE events in Zielona Góra and Szprotawa, Poland	19
3.3	WP6 presentation at 2 nd International Conference on Sustainable Remediation 2012, Vienna, Austria	20
3.4	ISI-article: Schädler, S. et al. (2013) “Spatially Explicit Computation of Sustainability Indicator Values for the Automated Assessment of Land-Use Options” in Landscape and Urban Planning	21
3.5	WP6/7 UFZ-TIMBRE edited booklets: “The Megasite Management Guideline” and “Informatyczne Narzędzie Zarządzania Megaobiekami Przewodnik”	22
Annex I: Contributors to the report and Disclaimer		23

1. Introduction

The TIMBRE project shall overcome existing barriers to brownfield regeneration by developing and providing customised problem- and target-oriented packages of approaches, technologies and tools. As a unique asset, these packages shall deliberately include the cultural and administrative characteristics and their regionally distinctive features. By providing a customisable toolbox specifically addressing the diverse processes that have to be dealt with during the course of a regeneration project, end-users shall be enabled to find best practice based solutions. Improvement of existing means to support brownfield regeneration shall be further accomplished by filling methodological core topics such as intelligent remediation in terms of technological advancements with regard to phytoremediation and partial source removal technologies. The project shall deliver a tailored training and dissemination programme as part of an information centre that will transfer existing and emerging knowledge to the scientific community and end-users.

The project started on 1st January 2011.

In order to achieve a widespread acceptance and utilization of the results (products) that TIMBRE will emerge, a series of tailored supporting measures for specific end-users shall be developed in work package seven (WP7) of the project. For each result adequate packages have to be designed according the requirements of different target groups. Furthermore appropriate approaches are needed that increase the visibility of TIMBRE products throughout Europe and beyond underpinning the leading position of European actors in the area of sustainable brownfield regeneration technology.

The development of formats for tailored supporting measures and the organisation and realisation of supporting measures are a key task of WP7. In the duration of the TIMBRE project, activities for potential end-users are planned to include them actively into the development and final design of the TIMBRE outcomes. In order to ensure the dissemination of the TIMBRE activities and outcomes beyond the group of end-users directly addressed in specific events, all TIMBRE events will be documented by specific publications for other potential end-users. These comprise workshop synthesis papers, multimedia material and policy-related dissemination, case studies for the demonstration of successful technology application, best practice examples, guidelines, and standard operation procedures for proposed approaches and technologies.

The purpose of this dissemination report is to take stock on the status with regard to publications prepared in TIMBRE until project month 26 (i.e. February 2013) – following-up on the first report on TIMBRE end-user publications published as Deliverable 7.2 (available on the TIMBRE website www.timbre-project.eu) as of project month 14 (i.e. February 2012). According to the DoW, five publications shall be released per year. At the beginning of the project, the publications strived at presenting the project and initiating a mutual learning of researchers in the project and stakeholders as target groups of the events. Publications in this second term continued on this and were to describe more in focus approaches, methods, and technologies developed in TIMBRE for end-users. The publications were to clearly address their practicability and windows of application for real cases.

2. Overview of publications

Table 1 below provides an overview of publications that have been or are currently prepared and used for dissemination. After the overview, exemplarily five key publications will be presented in more detail. Further details can be found on the TIMBRE website: www.timbre-project.eu and on the websites mentioned below.

Table 1: Overview on TIMBRE publications as per 27th February 2013:

Publication Type^a	Date	Targeted audience^b	Language^c	Details / Reference	Responsible / Involved
TIMBRE main project website (cf. 3.1)	Since 03/11 and 01/12	All TIMBRE stakeholder and target groups	CZ DE EN FR IT PL RO	Main dissemination mean for all TIMBRE outcomes, events and publications and news www.timbre-project.eu	UFZ + all partners
Twitter	Since 11/11	General public	EN and others	Project account: @timbreproject http://twitter.com/#!/timbreproject	UFZ
WP7 Deliverable report	02/12	All TIMBRE stakeholders	EN	“Report on TIMBRE event organisation” www.timbre-project.eu	UFZ and WP7 partners
WP7 Deliverable report	02/12	All TIMBRE stakeholders	EN	“Report on TIMBRE end-user publications” www.timbre-project.eu	UFZ and WP7 partners
WP7 presentation at training event "Brown-field Revitalisation: value creation risk mitigation"	03/12	Regulators, politicians, planners, consultants, SME, industry	DE	TIMBRE presented approaches to an "Integrated assessment of reuse strategies - Profitability and sustainability" within seminar of Training network "Boden und Altlasten Baden-Württemberg" www.timbre-project.eu	IOG + VSB
WP3 presentation at TIMBRE-VSB event "ReDevelopment"	03/12	Regulators, researchers, politicians, planners, higher education	CZ	Klusáček, P., Martinát, S., Frantál, B., Kunc, J.: Success factors and barriers of brownfields regeneration in Europe, Technical University of Ostrava & Institute of Geonics, AS CR, Ostrava, Czech Republic www.timbre-project.eu	IOG + VSB
Flyers for TIMBRE events in Poland	03/12	General public, regional experts	EN PL	www.timbre-project.eu	UFZ IETU

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
TIMBRE Info Sheets on Work Packages	03/12	General public, regulation, practice, science, NGOs	EN PL	Info Sheets are to inform stakeholders on key facts about TIMBRE Work Packages and give a contact person www.timbre-project.eu	UFZ, UNIVE, IOG, DTU, GL, UFC, GE, TUB
Website reports on TIMBRE event in Zielona Góra 2012, Poland (cf. 3.2)	03/12	General public	PL	13 th March 2012 on http://lubuskie.pl : Warsztaty w Lubuskiem - rewitalizacja terenów zdegradowanych [Workshops in Lubuskie - revitalization of degraded areas] 18 th March 2012 on http://lubuskie.pl : Szansa dla terenów zdegradowanych – warsztaty [Chance for brownfield land - Workshop] 28 th March 2012 in Gazeta Śląska on http://www.swiebodzin24.pl : Szansa dla terenów zdegradowanych – warsztaty 29 th March 2012 in Gazeta Śląska on http://uni.cal24.pl : Szansa dla terenów zdegradowanych – warsztaty	external
Website reports on TIMBRE event in Szprotawa 2012, Poland	03/12	General public	PL	13 th March 2012 on http://lubuskie.pl : Warsztaty w Lubuskiem - rewitalizacja terenów zdegradowanych [Workshops in Lubuskie - revitalization of degraded areas] 14 th March 2012 on http://www.szprotawa.pl : Szanse dla lotniska w Wiechlicach [Opportunities for Airport Wiechlicach] 29 th March 2012 on TVL report by Krzysztof Witulski from http://www.youtube.com : Szprotawa Warsztaty TIMBRE [Szprotawa workshop TIMBRE]	external

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
WP7 presentation at ITVA C5 meeting	03/12	Regulation, industry, consultant, SME	DE	At ITVA - German Association of Remediation Engineers – Technical committee C5 report on progress of TIMBRE actions	UFZ
WP7 TIMBRE reports on Polish events	04/12	All Polish stakeholders	EN PL	www.timbre-project.eu	UFZ, IETU
WP7 lecture at Taras Shevchenko National University of Kyiv, Ukraine	04/12	Education, students (master studies)	EN UA	Bartke, S.: “Economic Approaches for a Sustainable Land-Use” at Faculty of Ecological Management and Entrepreneurship www.timbre-project.eu	UFZ
WP1 poster at SETAC Europe Annual Meeting, Berlin, Germany	05/12	Research	EN	E. Rizzo, M. Pesce, L. Pizzol, A. Critto, A. Marcomini “Timbre Expert System as information platform and communication channel for innovative and widely applicable strategies, technologies and solutions for contaminated sites risk assessment” www.timbre-project.eu	UNIVE
WP2 presentation at co-organised scientific conference	05/12	Research, higher education	EN	Presentation on “Perceptions and Actions of Public Administration Actors on Brownfield Regeneration in Central and Eastern Europe”	UFZ, IOG
WP3 presentation at Brownfields na venkově v Moravskoslezském kraji in Ostrava, CZ	05/12	Regulators, planners in Ostrava & Moravian-Silesian region	CZ	Klusáček, P., Martinát, S., Frantál, B., Kunc, J.: Experiences research on Brownfields Regeneration in the Czech Republic	IOG
WP3 presentation at workshop “Brownfields and Energy Landscapes” University of Birmingham	05/12	Science, research, higher education	EN	Martinát, S., Frantál, B., Klusáček, P., Kunc, J.: Links between brownfields and brightfields on post-industrial sites	IOG

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
WP4 oral presentation, DK	05/12	Science, research, higher education	EN	ATV møde “Nye undersøgelsesmetoder til jord- og grundvandsforurening http://www.atv-jord-grundvand.dk/Afholdte_moeder/290512moede83/Samlet%20kompendium%2083.pdf	DTU
WP5 Deliverable report	06/12	AllTIMBRE stakeholders	EN	“Report on recent practice and regulations concerning re-use and deconstruction of buildings in the EU” www.timbre-project.eu	GE and WP5 partners
WP4,7 presentations at TIMBRE-UPSOIL workshop “Rehabilitation of contaminated soil and sites / Regenerarea solurilor și situțiilor poluate” Bucharest, Romania	07/12	Specialist, authorities, regulation, industry, consultant, SME, education	RO EN	Bica, I. & Bartke, S.: “timbre – Tailored improvement of brownfield regeneration in Europe” Gaitanaru, D.: “Hunedoara case study” Gaitanaru, D.: “TIMBRE Expert System and Web Platform” Sileam, T.: “Present status for Soil Rehabilitation in Romania – Priorities” www.timbre-project.eu	UFZ, UTCB, NEPA + FP7 UPSOIL project
WP6 presentation at 6 th Internat. Congress on Environmental Modelling and Software (iEMSs), Leipzig	07/12	Industry, regulation, research	EN	Morio, M.: “Trading-off Economics and Sustainability in Optimizing Brownfield Redevelopment” www.timbre-project.eu	TUB

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type^a	Date	Targeted audience^b	Language^c	Details / Reference	Responsible / Involved
Presentation at Eurosoil 2012, Bari, Italy	07/12	Research, regulation, industry, consultant, SME	EN	<p>Bartke et al : TIMBRE EUROSOIL2012 overview</p> <p>Morio et al: Holistic integrated Decision Support Systems for Brownfield revitalization</p> <p>Guanlin & Fasheng: Some critical issues on risk assessment and remediation of industrial contaminated sites</p> <p>Algreen, Rein, Trapp: Tree coring as a phytoscreening method</p> <p>Ahmed Mohamed et al: Soil-washing with reused fluids for in-situ remediation</p> <p>Pizzol et al: TIMBRE Expert System as information platform for innovative and widely applicable strategies, technologies and solutions for brownfield regeneration</p> <p>Bleicher, Alexandrescu, Gross: Knowledge and decision making in brownfield revitalization – Cross cultural variations within Eastern Europe</p> <p>www.timbre-project.eu</p>	<p>UFZ</p> <p>TUB</p> <p>UNIVE</p> <p>UFC</p>

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
Posters from TIMBRE Poster Session at Eurosoil 2012, Bari, Italy	07/12	Research, regulation, industry, consultant, SME	EN	<p>Ahmed Mohamed et al: Removal of contaminants from soil with reused foams for in-situ remediation</p> <p>Ahmed Mohamed et al: Washing Procedure to mobilize and extract contaminants from soils</p> <p>Ahmed Mohamed, Fatin-Rouge: Foams vs Solutions to Mobilize Pollutants and Vectorize Reagents in Soils</p> <p>Bartke et al: TIMBRE Work Packages at a Glance</p> <p>Bartke: Appraisal of Market Uncertainties for Contaminated Sites</p> <p>Rein et al: Uptake and fate of organic contaminants in plants of constructed wetlands</p> <p>Schaedler et al: Design and comparative evaluation of sustainable land use alternatives for brownfield redevelopment</p> <p>Stezar et al: Comparative application of risk-based DSSs for brownfield rehabilitation</p> <p>TASK: From research to market implementation</p> <p>TASK: International technology demonstration & knowledge transfer</p> <p>郭观林 Guanlin et al: Risk-based corrective action for contaminated soils in an abandoned site of chloride productions in Southwest China</p> <p>www.timbre-project.eu</p>	UFZ, TUB, UNIVE, DTU, UFC
WP1 Deliverable report	08/12	All TIMBRE stakeholders	EN	<p>“Web database with a structured site related inventory of European brownfield information and data”</p> <p>www.timbre-project.eu</p>	UNIVE and WP1 partners
WP2 Deliverable report	08/12	All TIMBRE stakeholders	EN	<p>“Report on Regional Decision Structures and Key Actors”</p> <p>www.timbre-project.eu</p>	UFZ and WP2 partners

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
WP7 presentation and conference short paper at 4 th Joint Nordic Meeting on Remediation of Contaminated Sites, Oslo, Norway	09/12	Practice, regulation, industry, consultant, SME, research	EN	S. Bartke et al.: "Introducing the FP7 project TIMBRE: Tailored improvement of brownfield regeneration in Europe". www.timbre-project.eu and	UFZ
WP1 poster at SiteRem International Workshop. Yantai, China	09/12	Research, education	EN	E. Rizzo, E. Giubilato, L. Pizzol, A. Critto and A. Marcomini "Timbre Expert System: a web-based support tool for an effective selection of approaches and technologies for brownfield redevelopment". www.timbre-project.eu	UNIVE
Flyer for TIMBRE event in Ostrava	10/12	Regulation, research, education, practice	CZ	www.timbre-project.eu http://www.kommunikatist.de/timbre/tl_files/timbre/Intern/4%20Work%20Packages/WP7/Events%202012/Ostrava%20October%202012/Zvadlo_brownfields_timbre.pdf	IOG, UFZ + VSB
WP3/7 presentations at TIMBRE-VSB event „Urbanistická a architektonická“	10/12	Research, education, regulation, industry	CZ EN	Bartke, S.: "Sustainable brownfield regeneration in Europe – tailored projects" Klusáček, P., Martinát, S., Frantál, B., Kunc, J.: "Klusáček, P., Martinát, S., Frantál, B., Kunc, J.: Prioritisation of brownfields in Ostrava" www.timbre-project.eu	IOG + VSB
WP2 presentation at 4S/EASST conference 2012, Copenhagen	10/12	Research (science & technology studies), higher education	EN	Bleicher, A. "Important and Unimportant Ignorance and Environmental Decision Making"	UFZ

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
WP7 presentation at ITVA C5 meeting, Nuremberg	10/12	Practice, regulation, industry, consultant, SME	DE	At ITVA - German Association of Remediation Engineers – Technical committee C5 report on progress of TIMBRE actions	UFZ
WP1,3,7 presentations at 6 th Int. Conf. Innovative Solutions for Revitalization of Degraded Areas and 3 rd Int. Conf. of CABERNET on Managing Urban Land, Ustroń, Poland	10/12	Research, practice, regulation, industry, consultant, SME, education	EN	Bartke, S. et al. “Improvement of brownfield regeneration in Europe through tailored information platform, communication, prioritisation and assessment” Klusáček, P. et al. “Survey on success factors of brownfield regeneration in Poland, Germany, the Czech Republic and Romania” Krupanek, J. et al. “Tailored and integrated approach to redevelopment of degraded megasites – Timbre Project” www.timbre-project.eu	UFZ, UNIVE, IOG, IETU
WP3 presentation at XVII. Czech-Slovak academic seminar on geography	10/12	Research, education	CZ	Klusáček, P., Frantál, B., Kunc, J., Martinát, S.: “Success factors of brownfields regeneration in the Czech Republic, Poland, Germany and Romania (experiences from the TIMBRE project)”, Institute of Geography, Slovak Academy of Sciences, Skalica, Slovakia	IOG
WP3 presentation at 2 nd geographical platform seminar	10/12	Education, research, regulation, administration	CZ	Klusáček, P. et al: Experience from research on regeneration of brownfields in four European countries, Palacký University in Olomouc, Mikulov	IOG
WP8 presentation at Meeting of Coordinators, Brussels, Belgium	10/12	EU FP7 research	EN	Bartke, S. “Timbre project at a glance”, Meeting of Coordinators – Urban Issues, Biodiversity and Land Degradation, European Commission, Brussels http://eussoils.jrc.ec.europa.eu/projects/Eufunded/MeetingCoordinators.html	UFZ

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
WP6 presentation at 2 nd Int. Conf. on Sustainable Remediation 2012, Vienna (cf. 3.3)	11/12	Industry, regulation, research	EN	Schädler, S., Morio, M., Finkel, M.: “Targeted Design and Integrated Evaluation of Land Use Alternatives for Sustainable Brownfield Redevelopment” – awarded “Most Inspiring Concept” www.timbre-project.eu	TUB
WP3 presentation perception of brownfields by residents of Ostrava	11/12	Local stakeholders, esp. residents in Ostrava	CZ	Klusáček, P., Martinát, S., Frantál, B., Kunc, J.: „Co udělat pro to, aby se do Ostravy-Hrušova vrátil život“ (How to make living in Ostrava-Hrušov possible again), Technical University of Ostrava, Ostrava-Hrušov	IOG
WP3 Lecture in Brno	11/12	Students, education	EN	Kunc, J.: Brownfields in context of regional development. Lecture for students of geographical disciplines, Masaryk University, Brno	IOG
WP2 Milestone report	11/12	Research, higher education, all TIMBRE stakeholders, general public	EN	“Identification of Relevant Stakeholders on Test Sites and List of Requirements” www.timbre-project.eu	UFZ and WP2 partners
WP7 presentation at expert symposium	11/12	Authorities, planners, industry, SME, regulators	DE	K. Roselt “Flächenhaushalt: von der Wiese bis zur Brache – und zurück?” www.timbre-project.eu	JG
WP3 Deliverable report	12/12	All TIMBRE stakeholders	EN	“Report on results of survey on brownfield regeneration and statistical analysis” www.timbre-project.eu	IOG and WP3 partners
Flyer for TIMBRE event in Zielona Góra	02/13	Regional experts	EN PL	www.timbre-project.eu	UFZ, IETU

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
Article on TIMBRE project activities in Hunedoara	02/13	General public	DE	Kraske, M.: „Raus aus Schutt und Asche“, <i>UFZ-Newsletter</i> Feb. 2013, ISSN 1868-7512, 6 http://www.ufz.de/export/data/global/46723_UFZ_Newsletter_Feb13_WEB_geschuetzt.pdf	UFZ / external
WP4 poster presentation	03/13	Science, research, higher education	EN	ATV vintermøde (ATV Winter meeting) - presentation concerning the Tree coring Technology	DTU
WP6 PhD-Theses	published 2012	Science, research, higher education	EN	Morio, M. (2012) Development of an integrated decision support system for brownfield restoration. PhD thesis, University of Tübingen, April 2012 http://tobias-lib.uni-tuebingen.de/volltexte/2012/6109/pdf/Dissertation_Morio2012_.pdf www.timbre-project.eu	TUB
WP2/6 ISI article (cf. 3.4)	published 2012	Science, research, higher education	EN	Schädler, S., Finkel, M., Bleicher, A., Morio, M., Gross, M. (2013): Spatially Explicit Computation of Sustainability Indicator Values for the Automated Assessment of Land-Use Options. <i>Landscape and Urban Planning</i> 111, 34-45, doi:10.1016/j.landurbplan.2012.12.002	TUB, UFZ
WP6/7 UFZ-TIMBRE booklets (cf. 3.5)	published 2013	Site owners, industry, consultants, planners, authorities, regulators, higher education	EN PL	Helmholtz Centre for Environmental Research – UFZ and TIMBRE (eds): “The Megasite Management Guideline” and Helmholtz Centre for Environmental Research – UFZ and TIMBRE (eds): “Informatyczne Narzędzie Zarządzania Megaobiekami Przewodnik” www.timbre-project.eu	UFZ with TUB, IETU

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
WP3 book chapter	published 2012	Science, research, higher education	CZ	S Martinát et al.: Dlouhodobé proměny vybraných socio-demografických charakteristik obyvatelstva území postiženého industriálními činnostmi: na příkladě katastrálního území Kunčičky (městský obvod Slezská Ostrava), in B Vojvodíková (ed.): <i>Brownfieldy – souvislosti a příležitosti. Důl Alexander – zrcadlo minulosti, příležitost budoucnosti Kunčiček</i> , VŠB-TU Ostrava: Professional Publishing, 16-26	IOG
WP6 Conference Proceedings	published 2012	Science, research, higher education	EN	Morio, M., Schädler, S., Finkel, M. (2012): Trading-off Economics and Sustainability in Optimizing Brownfield Redevelopment. In: R. Seppelt, A.A. Voinov, S. Lange, D. Bankamp (Eds.) - <i>International Environmental Modelling and Software Society (iEMSS) 2012 International Congress on Environmental Modelling and Software: Managing Resources of a Limited Planet, Sixth Biennial Meeting, Leipzig, Germany</i> , ISBN: 978-88-9035-742-8, p. 2091-2099 www.timbre-project.eu http://www.iemss.org/sites/iemss2012/proceedings.html	TUB
WP2 ISI article	submitted	Science, research, higher education	EN	“Transdisciplinarity in Practice: The Emergence and Resolution of Dissonances in Collaborative Research Projects” submitted to <i>Interdisciplinary Science Reviews</i>	UFZ
WP4 ISI article	submitted	Science, research, higher education	EN	M Algreen, S Trapp, A Rein “Phytoscreening and Phytoextraction of Heavy Metals at Polluted Sites Using 2 Willow and Poplar Trees” submitted to <i>Environmental Science & Technology</i>	DTU

Table 1: Overview on TIMBRE publications as per 27th February 2013 - continued:

Publication Type ^a	Date	Targeted audience ^b	Language ^c	Details / Reference	Responsible / Involved
WP6 ISI article	submitted	Science, research, higher education	EN	Morio, M., Schädler, S., Finkel, M.: “Applying a multi-criteria genetic algorithm framework for brownfield reuse optimization: improving redevelopment options based on stakeholder preferences” re-submitted to <i>Journal of Environmental Management</i>	TUB
WP3 article	submitted	Science, research, higher education	EN	P Klusáček et al.: “Regeneration of agricultural brownfields in the Czech Republic - Case study of the South Moravian Region” submitted to <i>Acta Universitatis Agriculturae et Silviculturae Mendeleianae Brunensis</i>	IOG
WP1,7 book chapter	submitted	Research, practice, regulation, industry, consultant, SME, education	EN	Bartke, S., Rizzo, E. et al. “Improvement of brownfield regeneration in Europe through tailored information platform, communication, prioritisation and assessment” to monograph “Innovative solutions for revitalization of degraded areas 2012”	UFZ, UNIVE
WP1, WP6 presentations at AquaCon-Soil 2013 (http://www.aquaconsoil.org/)	accepted	Public authorities, industry, SMEs, research, higher education	EN	Morio et al. “Applying stakeholder-based spatially explicit multi-criteria optimization for creation of sustainable and cost-beneficial brownfield re-use visions” Rizzo E. et al. “Timbre Expert System for choosing sustainable solutions of risk based approaches and technologies for brownfield rehabilitation”	TUB, UNIVE
^a Type can be article, book, book chapter, poster, flyer, presentation, press release, newspaper, TV, radio and other (to be specified) ^b Targeted audience can be research, policy, general public, regulation, practice, industry and other (to be specified) ^c CZ = Czech, DE = German, DK = Danish, EN = English, FR = French, IT = Italian, PL = Polish, RO = Romanian, UA = Ukrainian					

3. Specific publications

The comprehensive Table 1 “Overview on TIMBRE publications” shows an impressive continuation of publications produced for diverse TIMBRE target groups in the mid-phase of the project.

According to the DoW, five publications shall be released per year. At the beginning of the project, the publications strived at presenting the project and initiating a mutual learning of researchers in the project and stakeholders as target groups. Publications in this second term continued on this and were to describe more in focus approaches, methods, and technologies developed in TIMBRE for end-users. The publications were to clearly address their practicability and windows of application for real cases. In the following, five exemplarily publications are presented in more detail.

3.1 Website www.timbre-project.eu – Improvements since 3/2012

The main dissemination tool of the TIMBRE consortium has been its website: www.timbre-project.eu. At the same time, it has been and is the projects major venue for publications regarding project updates and news. Since the first TIMBRE report on end-user publications (Deliverable 7.2 – available for download on the website), further improvements have been implemented to further raise the ability of the project to disseminate its results and engage with stakeholders and end-users of the TIMBRE approaches, methods and technologies developed in the project.

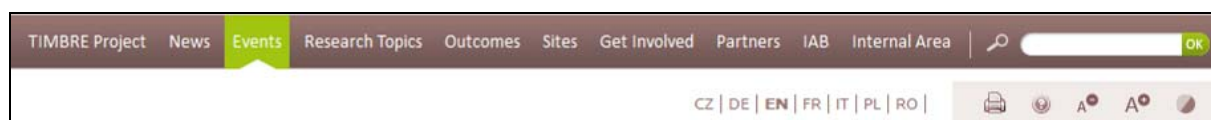


Figure 1: Top level navigation of TIMBRE website (English language version) (© timbre project).

The public interface contains a new section: “Events”, which gives detailed information on upcoming and previous events from diverse areas related to the brownfield regeneration field.

Next to the international events and the TIMBRE events, deadlines of calls for abstracts, papers and alike are announced – between February 2012 and February 2013, 94 events have been published here.

To provide the visitors of the website with a handy option to use the information, a calendar tool has been added on the homepage’s main site – available in all language versions (see Figure 2).

TIMBRE partners are encouraged to send in the latest information for the Events, and further for the publications and the news sections, which will then be displayed in the website. In the last twelve months since February 2012, 36 new news items have been published on the website.

In a further attempt to put more public interest on the project, more intense use of the social platform for short news “twitter” has been made in the recent twelve months. To the homepage has been added a further tool showing the recent tweets of the TIMBRE project.



Figure 2: Calendar and twitter tools on TIMBRE homepage (© timbre project).



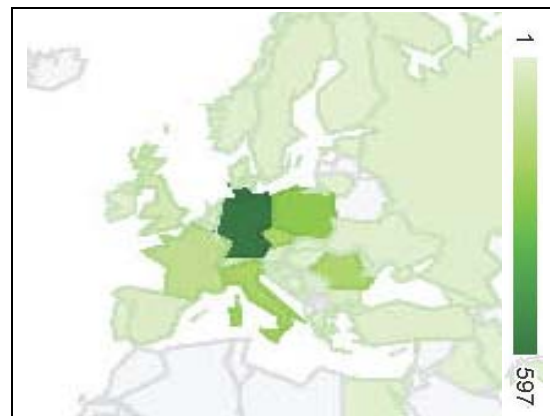
The main feature of the website remains to be its availability in seven European languages. The website started in English, German and Romanian. Since the beginning of 2012, next to the English main website, the TIMBRE website is available also in Czech, French, Italian and Polish versions. While the main English website includes all project relevant information, short abstracts and summaries as well as in-depth coverage of country specific items are posted on the other language versions based on national partners input.



Figure 3: “Home”, “News” and “Hunedoara site” of the TIMBRE website (English language version) (© timbre project).

According to Google™ Analytics, in the last 12 months, 1,728 people visited the TIMBRE website, most of them from central Europe with ca. 600 from Germany, 270 from Poland, 200 each from Italy and Czech Republic, 180 from Romania, 120 from France. Next biggest Interest was from the United States with 75 individual visitors counted. In total, visits from 65 nations were identified, of which about twelve percent were returning visitors whereas 88 per cent were new visitors.

Figure 4: TIMBRE website European usage in the last 12 months (Source: Google™ Analytics)



3.2 Publications documenting the TIMBRE events in Zielona Góra and Szprotawa, Poland

The first TIMBRE stakeholder and experts meetings in Poland, brought together many actors interested in brownfields regeneration in the region of Western Poland in general and in the revitalisation of the TIMBRE application site in Szprotawa – a former airbase – in particular. In total about 100 persons participated in the two back-to-back organised events (cf. Deliverable D7.3 Report on TIMBRE end-user events – available on the project’s website).

The events in Zielona Góra and Szprotawa were perceived by project members as very successful to get into contact with relevant local stakeholders and to learn about the framework conditions in Poland. Following the Szprotawa event, the dialogue with stakeholders has been carried on through several smaller meetings. The aim of these meetings has been to gain a better understanding of decision making processes and possible obstacles in the revitalisation of brownfields in Poland. The detailed discussions and active involvement of stakeholders and TIMBRE partners have been a real benefit to all the participants.

The events were echoed in local and regional media – websites articles, radio and television reports – for download available on TIMBRE website (cf. TIMBRE report on end-user publications – Deliverable 7.4):

- 13th March 2012 on <http://lubuskie.pl>: “Warsztaty w Lubuskiem - rewitalizacja terenów zdegradowanych” [Workshops in Lubuskie - revitalization of degraded areas]
- 14th March 2012 on www.szprotawa.pl: Szanse dla lotniska w Wiechlicach [Opportunities for Airport Wiechlicach]
- 18th March 2012 on <http://lubuskie.pl>: “Szansa dla terenów zdegradowanych – warsztaty” [Chance for brownfield land - Workshop]
- 28th March 2012 in Gazeta Śląska on www.swiebodzin24.pl: “Szansa dla terenów zdegradowanych – warsztaty” [Chance for brownfield land - Workshop]
- 29th March 2012 in Gazeta Śląska: “Szansa dla terenów zdegradowanych – warsztaty” [Chance for brownfield land - Workshop]
- 29th March 2012 on TVL report by Krzysztof Witulski (available on www.youtube.com: Szprotawa Warsztaty TIMBRE [Szprotawa workshop TIMBRE])

Moreover, the TIMBRE presentations can be downloaded from the TIMBRE website, next to a project folder containing a package of information in English and Polish language on the TIMBRE project and its work packages as provided to the participants.



Figure 5: Left – Dr. J. Krupanek (IETU) interviewed by Polish television (© timbre project); middle – webreport on <http://lubuskie.pl> (©<http://lubuskie.pl>); right – Paweł Chylak, Zastępca Burmistrza Szprotawy [Deputy Mayor Szprotawa] in report of TVL by Krzysztof Witulski (Source: www.youtube.com/watch?v=fyPDZ4opALw&noredirect=1).

3.3 WP6 presentation at 2nd International Conference on Sustainable Remediation 2012, Vienna, Austria

TIMBRE project partners have been participating in the 2nd International Conference on Sustainable Remediation 2012 hold in Vienna, Austria, 14th – 16th November 2012. Around 120 participants from around the globe took part at the conference.

The Sustainable Remediation Conference 2012 provided a venue for professionals and interested parties from multiple backgrounds to share experiences and perspectives on how contaminated sites can be remediated with a lower environmental footprint, and how their reuse can contribute to a more sustainable development.

TIMBRE contributed to the session "Sustainability Assessment", on Thursday, 15th November 2012, with a presentations entitled "Targeted Design and Integrated Evaluation of Land Use Alternatives for Sustainable Brownfield Redevelopment" – this contribution made by Sebastian Schädler from Universität Tübingen was awarded the conference's prize as the "Most Inspiring Concept". The presentation can be downloaded from the TIMBRE website

In the session "Sustainability Management", on Friday, 16th November 2012, Janusz Krupanek from IETU presented the TIMBRE "Tailored and integrated approach to redevelopment of degraded megasites – case study of a post-military site".



Figure 6: Left – Award to Sebastian Schädler (TUB) for Most Inspiring Concept (© timbre project); right – impressions from awarding ceremony and talk of Dr. Schädler (© Dietmar Müller).

3.4 ISI-article: Schädler, S. et al. (2013) “Spatially Explicit Computation of Sustainability Indicator Values for the Automated Assessment of Land-Use Options” in Landscape and Urban Planning

Dr. Sebastian Schädler (TUB) and TIMBRE colleagues from the University of Tuebingen and the Helmholtz Centre for Environmental Research have published a scientific paper entitled "Spatially Explicit Computation of Sustainability Indicator Values for the Automated Assessment of Land-Use Options" in the Thomson-Reuters ISI-indexed journal “Landscape and Urban Planning” (5-Year Impact Factor: 3.101 edited by Elsevir – www.journals.elsevier.com/landscape-and-urban-planning/).

This first publish high-ranked scientific paper starts from the observation that contemporary land-use planning is based on project-specific evaluation methods from various scientific disciplines and has come to focus more recently on the integration of sustainability issues. Context-specific sets of indicators are typically used to evaluate and quantify the sustainability of different planning options for given contexts. The evaluation of these indicators relies heavily on (expert) stakeholder input and can therefore not simply be integrated into standardized and automated assessment tools. This is seen as one of the reasons why sustainability – despite being widely accepted as one of the most crucial aspects in any development – is often not considered on equal terms in decision making and planning compared to environmental risks and economic considerations.

In this paper, the authors propose a scheme to transfer the evaluation of site-specific sets of sustainability indicators into automated quantitative and spatially explicit assessments, which can be integrated into multidisciplinary spatial optimization algorithms. Using simple landscape metrics along with typical spatial data and stakeholder knowledge on the TIMBRE case study brownfield near Potsdam, Germany, this transfer is implemented for an existing site-specific indicator set to evaluate the sustainability of brownfield redevelopment options in a case study.

The automatic spatial evaluation and analysis of hundreds of systematically designed land-use options is explored to provide a detailed understanding of the indicator-based evaluation of sustainable land-use planning on the study site. The results suggest that a spatially explicit algorithmic evaluation of sustainability indicators may significantly improve the applicability, comprehensiveness and reliability of the indicator-based evaluation of sustainability.

The reference of the publication is: Schädler, S., Finkel, M., Bleicher, A., Morio, M., Gross, M. (2013): Spatially Explicit Computation of Sustainability Indicator Values for the Automated Assessment of Land-Use Options. *Landscape and Urban Planning* 111(March), 34-45, doi:10.1016/j.landurbplan.2012.12.002.

According to the Elsevir journal’s website, “Landscape and Urban Planning is an international journal aimed at advancing conceptual, scientific, and applied understandings of landscape in order to promote sustainable solutions for landscape change. Landscapes are visible and integrative social-ecological systems with variable spatial and temporal dimensions. [...] Multiple disciplines and perspectives are required to understand landscapes and align social and ecological values to ensure the sustainability of landscapes. The journal is based on the premise that landscape science linked to planning and design can provide mutually supportive outcomes for people and nature.” (Source: www.journals.elsevier.com/landscape-and-urban-planning/)

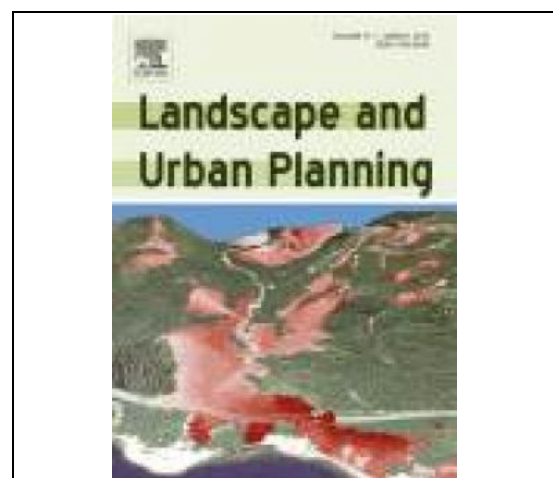


Figure 7: Frontpage of journal Landscape and Urban Planning (© Elsevir).

3.5 WP6/7 UFZ-TIMBRE edited booklets: “The Megasite Management Guideline” and “Informatyczne Narzędzie Zarządzania Megaobiektami Przewodnik”

Across Europe there are more than 20,000 sites where industrial, military and mining activities during the past century have led to vast contaminations in soil, groundwater and surface waters. These sites are referred to as megasites if the given situation and resulting problems are particularly complex. Megasites pose a threat to soil and water resources; they cause considerable environmental and health risks as well as economic and social costs. Their efficient and sustainable revitalisation requires innovative investigation and remediation technologies as well as integrated assessment approaches in order to optimize re-use visions for a viable and sustainable local and regional development.

In order to support fundamental decision-making processes in the integrated planning and evaluation of reuse visions, TIMBRE partners from the Helmholtz Centre for Environmental Research – UFZ in Leipzig and from the Center for Applied Geosciences at the University of Tübingen, together with international partners from research, politics and practice, have developed the Megasite Management System (MMS) as part of the UFZ funded research project SAFIRA II (cf. www.ufz.de/safira2). TIMBRE partners took up these works in particular towards the development of the TIMBRE web-based tool in working package six.

The MMS includes a Megasite Management Guideline instructing steps to the efficient and sustainable initialisation as well as the management of a revitalisation project. This Guideline - with support of TIMBRE - has been updated, translated from its German version and published now. An electronic version of this document can be downloaded from the TIMBRE website and is available as online paper www.ufz.de/mmt-guideline-en/.

Moreover, the MMS includes the Megasite Management Toolsuite (MMT), a supportive, software-based instrument for the integrated evaluation of re-use visions. Thus, the Megasite Management System provides a comprehensive working basis for the efficient and sustainable remediation and re-use of megasites. It compiles the essential information and recommended actions for an integrated planning and evaluation, as necessary for the design and assessment of possible ways to re-use megasites. The Megasite Management Toolsuite (MMT) is one essential building block of TIMBRE's web based tool for integrated planning and assessment of revitalisation options for brownfields.

The MMT is applied to several TIMBRE case studies and will be a fundamental instrument to uncover possible re-use options for the case study model site Szprotawa JAR – former airbase in the upcoming evaluation and training event entitled "Integrated Planning and Assessment of Land Re-Use" to take place in Zielona Góra at the Marshal Office of the Lubuskie Region, Poland on 5th March 2013.

In the context of the Polish TIMBRE activities, also a Polish version of the Megasite Management Guideline has been published end of February 2013.

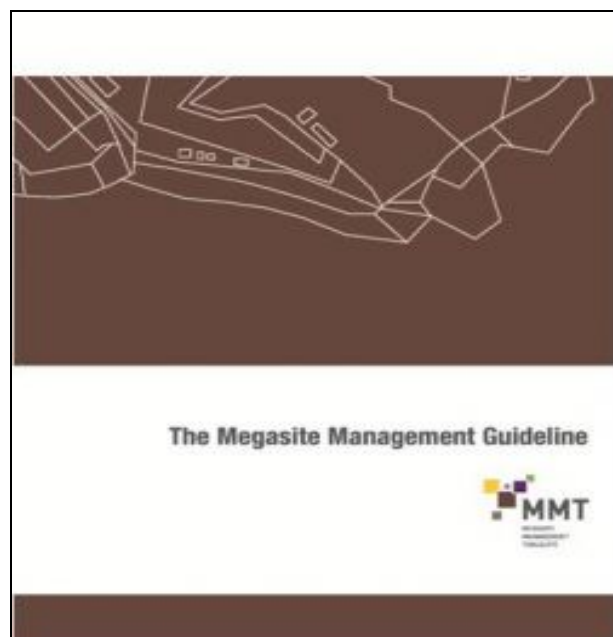


Figure 8: Frontpage of the UFZ/TIMBRE edited booklet (© UFZ and timbre project).



Annex I: Contributors to the report and Disclaimer

Contributors

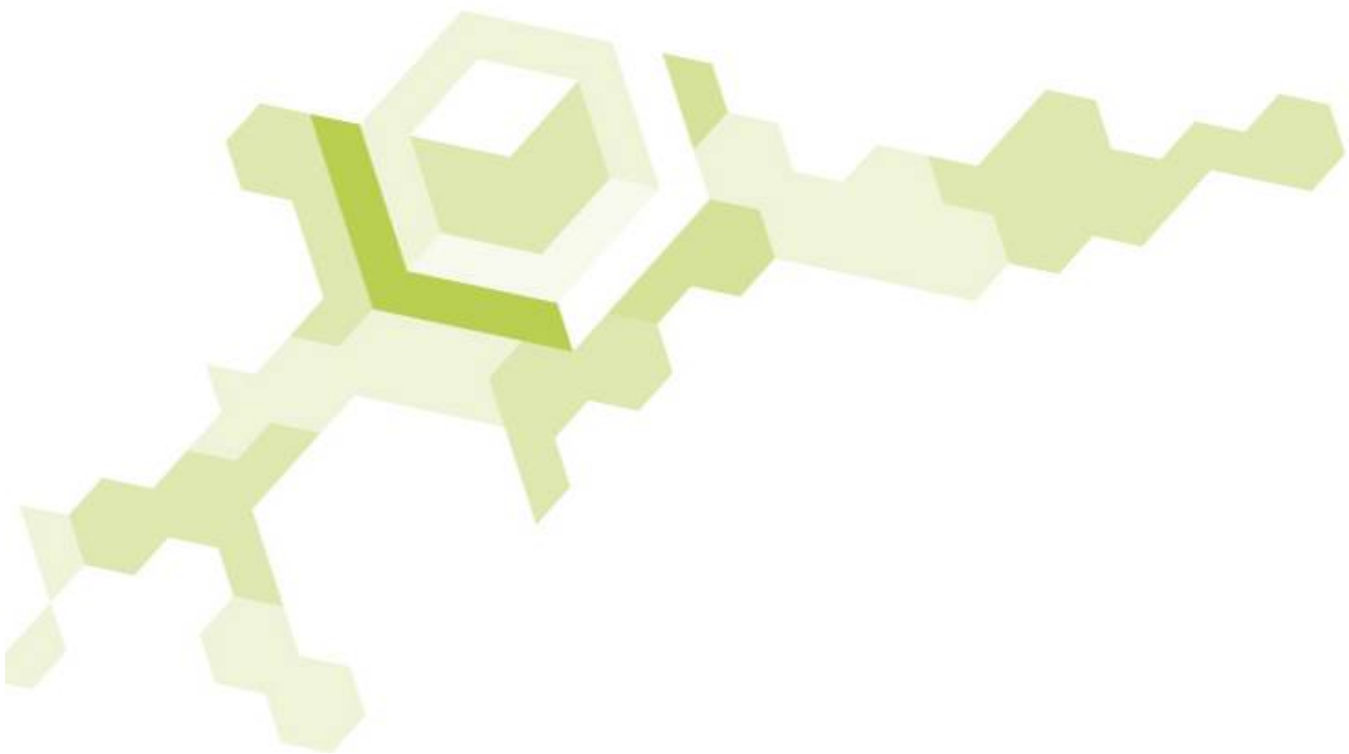
This report is the result of discussions between all partners of the TIMBRE Work Package 7 and the Steering Committee. It has been edited by Stephan Bartke (UFZ).

Disclaimer

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