CABERNET 2014: Tailored & Sustainable Redevelopment towards Zero Brownfields

4th International Conference on Managing Urban Land

Final Conference of the EU FP7 Project “HOMBRE”
In cooperation with the EU FP7 Projects “GLOCOM”, “Greenland” and “TIMBRE”

14th – 16th October 2014 · Frankfurt am Main · Germany

**INVITATION**

October 2014 sees the 4th International Conference on Managing Urban Land taking place in Frankfurt am Main, Germany. The conference programme illustrates the global importance of reusing derelict, abandoned and underuse land in order to support the wise and perhaps even sustainable future of our cities. Working with friends from European Commission funded projects GLOCOM, Greenland, TIMBRE and HOMBRE means we can cover the social, environmental, economic and political aspects of managing urban land in depth. For most people the term "brownfield" raises images of derelict factories, abandoned train stations, or closed mines. But brownfields are also sites of opportunities: the empty spaces in the land use puzzle can help us deliver the sort of cities are we trying to create. Increased understanding of how redevelopment affects city systems now means we can make better use of increasingly scarce financial and physical resources. Therefore, we invite you to Frankfurt between 14 – 16 October 2014 for three days of knowledge sharing, mutual inspiration and scientific validation of experiences from around Europe and beyond.

**CONFERENCE CHAIRS**

- Hans van Duijne Deltares / The Netherlands, coordinator HOMBRE
- Paul Nathanail University of Nottingham / UK, CABERNET

**SCIENTIFIC COMMITTEE**

- Renato Baciocchi University of Rome „Tor Vergata“ / Italy
- Valerie Bert Institut national de l'environnement et des risques (INERIS) / France
- Ioan Bica Technical University of Civil Engineering Bucharest / Romania
- Andrea Critto Ca’Foscari University Venice / Italy
- Andrew Cundy University Brighton / UK
- Dominique Darmendrail Common Forum / EC, France (tbc)
- Uwe Ferber Projektgruppe Stadt+Entwicklung / Germany
- Pauline van Gaans Deltares / The Netherlands
- Detlef Grimski Federal Environment Agency / Germany
- Matthias Groß Friedrich Schiller Universität Jena, UFZ / Germany
- Euan Hall The Land Trust / England
- Marc Kaszynski Establissement Public Foncier Nord-Pas de Calais / France
- Petra Kidd CSIC-IIAG / Spain
- Jurate Kumpiene Lulea university of Technology / Sweden
- Antonio Marcomini Ca’Foscari University Venice / Italy
- Michel Mench Institut National de la Recherche Agronomique (INRA) / France
- Anna Starzewska-Sikorska IETU / Poland
- Stefan Trapp Danish Technical University / Denmark
- Barbara Vojvodíková Technical University of Ostrava / Czech Republic

**ORGANISING COMMITTEE**

- Stephan Bartke UFZ / Germany
- Maaike Blauw Deltares / The Netherlands
- Elisa Giubilato Ca’Foscari University Venice / Italy
- Detlef Grimski Federal Environment Agency / Germany
- Lisa Pizzol Ca’Foscari University Venice / Italy
- Markus Puschenreiter BOKU / Austria
- Thomas Track DECHEMA e.V. / Germany
- Katja Wendler DECHEMA e.V. / Germany

**PARTICIPANTS**

We invite especially scientists, engineers, stakeholders from environmental management (e.g. environment agencies, national and local authorities), brownfield managers, urban managers, spatial planners and site owners, as well as environmental consultants, R&D and manufacturing firms to participate, exchange experiences and learn about new developments. We are certain that you will find something interesting at each time slot, regardless of whether you are new to the field or have been practicing for decades.
## Tuesday, 14th October 2014

### REGISTRATION

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:30</td>
<td>OPENING</td>
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<td>10:50</td>
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**Chair:** Paul Nathanail, University of Nottingham, UK

### KEYNOTE LECTURE

**Integrated urban policies and land management**

Didier Vancutsem, URBACT, EU

### Policy approaches to brownfield regeneration challenges

**Chair:** Matthew Ashmore, University of Nottingham, UK

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>12:00</td>
<td>Value creation by connecting societal challenges with land management Margot de Cleen, Ministry of Infrastructure and the Environment, The Netherlands</td>
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<tr>
<td>12:30</td>
<td>Tradable planning permits for land use control – A Policy approach for less greenfield development and more brownfield regeneration? Detlef Grimm, Federal Environment Agency, Germany</td>
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<tr>
<td>13:30</td>
<td>LUNCH</td>
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</tbody>
</table>

**Chair:** Andrew Cundy, University of Brighton, UK

### Value creation by connecting societal challenges with land management

Phytoremediation of trace element-contaminated soils in Europe – option appraisal based on long-term field experiments Markus Puschenreiter, University of Natural Resources and Life Sciences Vienna, Austria

### Tradable planning permits for land use control – A Policy approach for less greenfield development and more brownfield regeneration?

Gentle Remediation Options for the management of largescale contaminated agricultural sites in Saxony, Germany Silke Neu, Saxony State Office for Environment, Agriculture and Geology, Germany

### The EU Guidelines on Environmental and Energy State aid for 2014-2020 and the Remediation of Contaminated Sites

Microbial community structure and activity in trace element-contaminated soils (phyto)managed by Gentle Remediation Options (GRO) Maria Touceda-González, AIT Austrian Institute of Technology GmbH, Austria

### Solutions to bring state-of-the-art knowledge and information into application

**Chair:** Stephan Bartke, UFZ, Germany

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>14:30</td>
<td>Brownfield regeneration in a circular economy Jaap Tuinstra, Soil Protection Technical Committee, The Netherlands</td>
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<tr>
<td>15:00</td>
<td>The Brownfield Navigator Linda Maring, Deltavers, The Netherlands</td>
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<td>15:30</td>
<td>Timbre Information System for the provision of tailored and customized information on brownfield regeneration according to users' requirements Lisa Pizzoli, University Ca’ Foscari Venice, Italy</td>
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<tr>
<td>16:00</td>
<td>COFFEE BREAK</td>
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**Chair:** Markus Puschenreiter; University of Natural Resources and Life Sciences Vienna, Austria

### Field demonstrations of Gentle (Phyto)Remediation Options in the EU FP7 GREENLAND network of trace element-contaminated sites

Michel Mench, INRA – University of Bordeaux, France

### Deployment of aided phytostabilisation at field scale: set up and monitoring lessons

Valérie Bert, INERIS, France

### Processing of plant biomass harvested at trace element-contaminated sites managed by gentle (phyto)remediation options

Valérie Bert, INERIS, France

### Approaches to regeneration and evaluation of their sustainability

**Chair:** Uwe Ferber, Projektgruppe Stadt + Entwicklung, Germany

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<tbody>
<tr>
<td>16:30</td>
<td>Conceptual site or project models for sustainability assessment and overall value Pierre Menger, Tecnalia, Spain</td>
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<tr>
<td>17:00</td>
<td>Biomass production on brownfields Karl Eckert, Projektgruppe Stadt + Entwicklung, Germany</td>
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<td>17:30</td>
<td>End Day 1</td>
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**Chair:** Markus Puschenreiter; University of Natural Resources and Life Sciences Vienna, Austria

### Developing a practical decision support tool (DST) for the application of gentle remediation options

Andrew Cundy, University of Brighton, UK

### Testing novel combinations of amendments for stabilization of metals in heavily contaminated soils

Grzegorz Siebielec, Institute of Soil Science and Plant Cultivation (IUNG), Poland

### Get together/ Poster Party

18:00
**Wednesday, 15th October 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>08:00</td>
<td>REGISTRATION</td>
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</table>
| 08:55 - 09:35 | **KEYNOTE LECTURE**  
**Soil Remediation and Land Management – a Win-Win Situation**  
*Harald Burmeier, ITVA/Germany* |                                 |
| 09:40      | *Decision support tools on technologies for land revitalization*  
*Chair: Linda Maring, Deltas, The Netherlands* | *Brownfields ahead?! – Early Brownfield Indicators*  
*Chair: Pauline van Gaans, Deltas, The Netherlands* |
| 10:10      | *Soft re-use of Brownfields: decision support and opportunity matrix*  
*Victor Beumer, Deltas, The Netherlands* | *Early Warning indicators brownfield regeneration: tipping points ahead?*  
*Gerald Jan Ellen, Deltas, The Netherlands* |
| 10:40      | *GIS-based Identification of Infill Development Potentials on the Basis of Topographic and Cadastral Databases – Prospects and Limits*  
*Robert Hecht, Leibniz Institute of Ecological Urban and Regional Development, Dresden, Germany* | *Use of social and economic indicators for the selection of sustainable site remediation options*  
*Valérie Cappuyns, KU Leuven, Belgium* |
| 11:10      | COFFEE BREAK                                                           |                                 |
| 11:40      | *HOMBRE technology trains: smoothening the transition of brownfields to new uses?*  
*Martijn Smit, Wageningen University, the Netherlands* | *Solec Kujawski (Poland) – HOMBRE philosophy around local brownfield regeneration project*  
*Wojciech Irmins, Geo-Logik, Poland* |
| 12:10      | *Technology train for reusing excavated material in a Brownfield regeneration context*  
*Renato Baciocchi, University of Rome “Tor Vergata”, Italy* | *The brownfield city: Famagusta, Cyprus*  
*Paul Nathanail, University of Nottingham* |
| 12:40      | *Integrated strategies for Brownfield regeneration: treatment of subsoil and alkaline residues by the combined Ecogrouting-carbonation process*  
*Wouter van der Star, Deltas, The Netherlands* | *Assessing the socio-economic benefits of turning brownfields into green/blue spaces: a case study for Eindhoven and Copenhagen*  
*Peter Cornéls Roebeling, CESAM – Department of Environment and Planning, University of Aveiro, Portugal* |
| 13:10      | LUNCH                                                                  |                                 |
| 14:05 - 14:45 | **KEYNOTE LECTURE**  
**A Local Perspective on Unlocking Innovative Transatlantic Cooperation**  
*Dale Medearis, Northern Virginia Regional Commission/USA* | **Prioritization and communication approaches**  
*Chair: Elsa Limasset, BRGM, France* |
| 14:50      | *In situ remediation of Pb/Zn mining and processing impacted sites*  
*Wolfgang Friesl-Hanl, AIT Austrian Institute of Technology GmbH, Austria* | *Specifics of brownfields prioritization in large municipalities (case study area Brno)*  
*Petr Klusáček, Institute of Geonics, Czech Republic* |
| 15:20      | *A Novel Remediation Approach for POPs Contaminated Solids Using Carboaceous Materials*  
*Long Zhao, Chinese Research Academy of Environmental Sciences, China* | *Communication-Based Approach to Improvement of Old Industrial and Commercial Areas*  
*Anja Batke, Beate Huf, Regionalverband FrankfurtRheinMain, Germany* |
| 15:50      | COFFEE BREAK                                                           |                                 |
| 16:20      | *Tools and technologies to foster land revitalization*  
*Chair: Renato Baciocchi, University of Rome „Tor Vergata“, Italy* | *Sustainable urban land management*  
*Chair: Pierre Menges, Tecnalia, Spain* |
| 16:50      | *Biochars for mitigation organic contaminants in soil*  
*Lisa Lundin, Umeå University, Sweden* | *Urban planning and design with the subsoil system*  
*Fransje Hooimeijer, TU Delft, The Netherlands* |
| 17:20      | *Immobilization of Metals using Biochar and Green Waste Compost to Aid Biomass Production on a Contaminated Site*  
*Sarah Jones, r3 environmental technology ltd, UK* | *Brownfields and Gap Sites as Potential for Sustainable Urban Development – A Survey of German Cities and Towns*  
*Andreas Blum, Leibniz Institute of Ecological Urban and Regional Development, Germany* |
| 17:50      | **End Day 2**                                                          |                                 |
| 19:30      | Conference Dinner                                                      |                                 |
### Thursday, 16th October 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:00</td>
<td>REGISTRATION</td>
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<tr>
<td>09:00</td>
<td><strong>KEYNOTE LECTURE</strong></td>
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<tr>
<td></td>
<td>Re-use of land: possibilities, decision making and stakeholders</td>
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<td></td>
<td>Paul Bardos, r3/UK</td>
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<tr>
<td>09:40</td>
<td>Tools and methods for decision making and awareness raising</td>
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<td>Chair: Lisa Pizzol, University Ca’ Foscari Venice, Italy</td>
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<td>The HOMBRE BR2 tool for understanding urban systems</td>
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<td>Matthew Ashmore, University of Nottingham, UK</td>
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<td>10:10</td>
<td>Acting Sustainably: Redevelopment Scenarios for Borovo (Vukovar, Croatia)</td>
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<td>Irena Đokić, The Institute of Economics, Croatia</td>
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<td>10:40</td>
<td>Awareness raising for soil and necessarily for Remediation within the GREENLAND project</td>
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<td>Wolfgang Friesl-Hanl, AIT Austrian Institute of Technology GmbH, Austria</td>
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<tr>
<td>11:10</td>
<td>EXTENDED COFFEE BREAK</td>
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<tr>
<td>11:40</td>
<td><strong>SPECIAL SESSION</strong></td>
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<td>“SoilBizz – A project idea for regional and local authorities to have contaminated industrial area regenerated”</td>
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<td>12:10</td>
<td>Best practice – lessons learnt</td>
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<td><strong>SPECIAL SESSION</strong></td>
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<td>“Land information services für sustainable cities”</td>
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<td>Project „URBIS“ (<a href="http://www.ict-urbis.eu">www.ict-urbis.eu</a>)</td>
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<td>Chair: Paul Bardos, r3, UK</td>
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<td>BALANCE 4P: Integrating urban planning and the remediation sector for sustainable brownfield regeneration – experience from cases</td>
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<td>Jenny Normman, Chalmers University of Technology, Sweden</td>
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<tr>
<td>12:40</td>
<td>Brownfield redevelopment in Flanders: 5 years of transversal policy and integrated area development</td>
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<td>Koen Miseur, Enterprise Flanders, Belgium</td>
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<tr>
<td>13:10</td>
<td>20 Years of Remediation of Inhabited Contaminated Sites in Hesse - Lessons Learned</td>
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<td>Christian Weingran, HIM GmbH, Germany</td>
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<tr>
<td>13:40</td>
<td>Feasibility of phytoextraction with improved tobacco and sunflower for the remediation of soluble zinc &amp; cadmium top soil contamination – Results of a five and one year field scale experiment in Switzerland</td>
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<td>Rolf Herzig, Phytotech Foundation &amp; AGB, Switzerland</td>
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<tr>
<td>14:10</td>
<td>Towards Urban Land management 2065 – key take home messages and next steps</td>
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<td>Hans van Duijne, Deltas, The Netherlands</td>
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<td></td>
<td>Paul Nathanail, University of Nottingham, UK</td>
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<tr>
<td>15:10</td>
<td>End of conference</td>
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CALL FOR POSTERS
We ask for poster abstracts related to the 4 key topics of the conference:

A. Integrated urban land management and policies
B. Economic, social and environmental instruments for land use management
C. Innovative technologies and management tools for land revitalization
D. Best practice and case studies

The text of maximum one page, including figures, should explicitly state the objectives, new results and the conclusions or significance of the work.

Please use the abstract template that is available from www.zerobrownfields.eu/CABERNET2014.

Please send your abstract to Ms. Katja Wendler (wendler@dechema.de).

Deadline for submission of your poster abstract is 30th September 2014.

REGISTRATION
Deadline for registration is 30th September 2014.

PARTICIPATION FEE:

<table>
<thead>
<tr>
<th>Conference participation (includes coffee and lunch breaks)</th>
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</thead>
<tbody>
<tr>
<td>for external participants</td>
</tr>
<tr>
<td>for Advisory Board members and project partners of the EU projects GLOCOM, Greenland, HOMBRE and TIMBRE:</td>
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</tbody>
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<tr>
<th>Conference Dinner (15.10.2014)</th>
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<tbody>
<tr>
<td>for external participants and project partners of the EU projects GLOCOM, Greenland, HOMBRE and TIMBRE:</td>
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<td>for Advisory Board members of the EU projects Greenland, HOMBRE and TIMBRE:</td>
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</table>

External participants: Please register online via https://ssl.dechema.de/CABERNET2014_Registration.html

Project Partners and Advisory Board members of the EU projects GLOCOM, Greenland, HOMBRE and TIMBRE:

CANCELLATION OF PARTICIPATION
If a booking is cancelled before 22nd September 2014, the participation fee is reimbursed less an administrative fee of 30 €. If cancellation is made at a later date, the participant is charged 80% of the participation fee. Cancellations are only accepted in writing (i.e. by fax or e-mail). The relevant cancellation date is the date of receipt.

If a participant does not come to the conference or leaves before its end, the full attendance fee remains payable.

KEY DATES
5th September 2014 Submission of the full text of the paper (to be included in the conference proceedings)
18th September 2014 3rd Announcement
30th September 2014 Deadline for registration and for the submission of poster abstracts
» VENUE
DECHEMA e.V.
Theodor-Heuss-Allee 25
60486 Frankfurt am Main
Germany

» ACCOMMODATION
QGreenhotel by Meliá
Katharinenkreisel (Opelrondell)
60486 Frankfurt am Main
Phone: +49 (0)69 70730-0
Fax: +49 (0)69 70730-333
E-Mail: reservierung.qgreen.frankfurt@melia.com
EUR 88,00 (incl. VAT) per night for a single room incl. breakfast.
Reservations at “QGREENHOTEL BY MELIÁ Frankfurt” should be directly made before September 15, 2014 using the following link for booking:

Mercure Hotel & Residenz Frankfurt Messe
Voltastrasse 29
60486 Frankfurt am Main
Phone: +49 (0)69 7926-0
Fax: +49 (0)69 7926-1606
E-Mail: h1204-re3@accor.com
EUR 97,32 (incl. VAT) per night for a single room incl. breakfast.
Reservations at “Mercure Hotel & Residenz Frankfurt Messe” should be directly made with the keyword “CABERNET 2014” before September 1, 2014.

Reservations are binding. Charge for rooms which are not used, or cancelled too late, must be paid by the participant.

» ORGANISATION & CONTACT
DECHEMA e.V.
Katja Wendler
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60486 Frankfurt am Main
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E-Mail: wendler@dechema.de