

**International Conference**

# **Green Brownfields II**

*International Partnerships from Cleanup to Redevelopment*

15 – 19 June 2003 Schloß Pillnitz, Dresden, Germany



**Program**

	Sunday June 15th	Monday June 16th	Tuesday June 17th	Wednesday June 18th	Thursday June 19th
Morning		10:00 Opening (Orangerie)  <b>Statements I</b> (Orangerie)  11:15 Coffee Break (Orangerie)  12:00 <b>Statements II</b>	08:30 <b>SESSION: INTERNATIONAL APPROACHES FOR BROWNFIELD'S REVITALIZATION</b> (Hotel)  09:45 <b>SESSION: MINING: WASTE/SITE REUSE</b> (Hotel)	08:30 <b>SESSION: URBAN PLANNING/LANDSC APE DEVELOPMENT</b> (Hotel)  10:15 Coffee Break (Hotel)  10:45 <b>INTERACTIVE SESSION: DIFFERENT APPROACHES FOR BROWNFIELD DEVELOPMENT</b> (Hotel) 13:15 Lunch (Hotel)	09:00 <b>SESSION: PROJECTS – DIRECT COMPARISON AND EXCHANGE</b> (Hotel)  12:00 <b>Conference Closure – Wrap-Up/Future</b> (Hotel)
		13:00 Lunch (Hotel)	11:30 Excursion to Freiberg	13:15 Lunch (Hotel)	12:30 Lunch (Hotel)
Afternoon		14:00 <b>Statements III – View of Stakeholders – Key Issues</b> (Hotel)  15:30 <b>SESSION: POLICY AND RESEARCH ACTIVITIES</b> (Hotel)	14:00 Technische Universität Bergakademie Freiberg & Interdisciplinary Center of Excellence for Brownfields (CiF e. V.)  <b>Special session: "Brownfields Activities through the EPA's Hazardous Substance Research Centers HSRCs)"</b>	14:15 <b>PODIUM DISCUSSION: "PR FOR BROWNFIELDS – INVESTORS HELP"</b> (Hotel)	14:00 <b>Technical Excursions</b> (optional)  LMBV – mining sites - recultivation  14:00 <b>By Invitation Only.</b> Workshop: EC- Brachen Sachsen (organized by Dr. Ferber/SMI) (EFRE)
	16:00 – 18:00 Arrival and Registration (Hotel Lobby)	16:30 Coffee Break (Orangerie)  <b>Art Exhibition</b> Bergbau, Menschen und Landschaften  Opening Technical Exhibition and Poster Session  <b>CONTAMINATED SOILS AND GROUNDWATER</b>	16:15 Excursion Cathedral Concert	16:30 Coffee Break (Orangerie)  Technical Exhibition	
Evening	18:00 Welcome (Orangerie) 19:00 cultural event: <b>Vernissage Mary Lou</b> "Art in dialogue – nature, culture & technique" (Orangerie) 21:00 Dinner (Hotel)	17:30 Nature walk /vineyard          20:00 Dinner (Hotel)	19:00 "Alte Elisabeth" Mining pit (Dinner)	18:30 <i>ad hoc</i> Discussions and/or Free Time          20:30 <b>Conference Dinner</b> (Orangerie)	

# International Conference

## Green Brownfields II

### *International Partnerships from Cleanup to Redevelopment*

June 15 – 19, 2003  
Schloss Pillnitz, Dresden, Germany

*Co-Sponsors: U.S. EPA; UBA, Germany; and CiF e. V.*

The conference is under the patronage of the Prime Minister  
of Saxony, Germany, Prof. Dr. Georg Milbradt.

#### Conference Chairs

##### ***Herbert Klapperich***

Technische Universität Bergakademie Freiberg &  
Interdisciplinary Center of Excellence for Brownfields, Freiberg, Germany

##### ***Dale Medearis***

U.S. Environmental Protection Agency, Washington, USA

##### ***Volker Franzius***

Director German Environmental Agency (UBA), Berlin, Germany

Ex officio: ***Bill Librizzi***, New Jersey, USA.

#### Secretary

##### ***Beate Aigner and René Otparlik***

Center of Excellence for Brownfields (CiF e.V.), Freiberg, Germany

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## **Exhibitors**

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Geokompetenzzentrum Freiberg

Interdisciplinary Center of Excellence for Brownfields (CiF e. V. )

### Co-chairs

Rudolf **Pöttler**, ILF Consulting Engineers, Innsbruck, Austria  
Jens-Uwe **Fischer**, Deutsche Bahn AG, Frankfurt, Germany  
Peter **Jantsch**, SMWA, Dresden, Germany  
Dietrich **Mehrhoff**, AIG, Essen, Germany

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Uwe **Ferber** (Germany)  
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Jan <b>Walaszczyk</b> (Poland)	Gerhard <b>Kmoch</b> (Germany)
Beata <b>Kuc-Sluzniak</b> (Poland)	Helmut <b>Trappmann</b> (Germany)
Paula <b>Fdez-Canteli</b> (Spain)	Hermann <b>Schmidt-Schleicher</b> (Germany)
Kristina <b>Schejbalova</b> (Czech Republic)	Georg <b>Heerten</b> (Germany)
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Max H. <b>Dodson</b> (USA)	Julia <b>Georgie</b> (Greece)

**Sunday, 15 June 2003**

16:00        **Registration** (Hotel Lobby)

18:00        **Welcome** (Orangerie)

19:00        **Vernissage: Mary Lou**  
              **“Art in dialogue – nature, culture & technique“** (Orangerie)

21:00        **Dinner** (Hotel)

## Monday, 16 June 2003

08:00 **Breakfast**

10:00 **Conference Opening** (Orangerie)  
*Herbert Klapperich and Volker. Franzius*

### **Welcome Addresses:**

Moderators: *Herbert Klapperich* (CIF e.V./ECI)  
*William Librizzi* (NJIT, USA/ECI)

- Saxonian state ministry of environment and agriculture  
*Wolf Eberhard Kuhl*
- City of Dresden Mayor *Ingolf Rossberg*
- Senate department of urban development Berlin, *Maria Krautzberger*
- MDEP *Brigitte Wenzel Perillo*
- U.S. EPA, *William Librizzi*
- German Federal Ministry of Education and Research (BMBF),  
*Jürgen Heidborn*
- German Federal Environmental Ministry (BMU), *Andreas Bieber*
- Deutsche Gesellschaft für Geotechnik e.V., *Georg Heerten*
- Deutsche Gesellschaft für Abfallwirtschaft e.V., *Tom Obermeier*
- Deutscher Markscheider-Verein e.V., *Marion Knorr*

### **Statements I** (Orangerie)

ITVA/German Federal Environmental Agency (UBA), *Volker Franzius*  
Open Pit Mining – Reclamation by LMBV, *Mahmut Kuyumcu*  
Regional Planning and Inner City Development, *Albrecht Buttolo*

11:15 Coffee Break (Orangerie)

11:30 Press Conference (Orangerie First Floor)

12:00 **Statements II – International Perspectives** (Hotel)  
Chairs: *Friedrich von Bismarck/Hansgeorg Balthaus*

- Brownfields in Spain (*Paula Fdez-Cantelli*)
- Brownfields in Poland (*Jan Walaszczyk*)
- Brownfields in the Czech Republic (*Ivan Vanicek*)
- Brownfields in Austria (*Rudolf Pöttler*)
- Brownfields in Belgium (*Bernard Vanheusden*)

13:00 Lunch (Hotel)

14:00

**Statements III – View of Stakeholders – Key Issues** (Hotel)

Chairs: *Reinhard Schmidt/William Librizzi*

- Policy makers (*Marion Wilde*, Ministry of Economic Affairs Brandenburg)
- Regulators intensions (*Rainer Wolf*, CiF e. V.)
- Owner (*Jens-Uwe Fischer*, Deutsche Bahn)
- Developer (*Peter Noll*, Montan Grundstücks Gesellschaft)
- Investor (*Helmut Trappmann*, Price Waterhouse Coopers)
- Planner (*Hermann Schmidt-Schleicher*, Zerner, Köpper und Partner)
- Risk transfer provider (*Dietrich Mehrhoff*, AIG Consultants Holding Limited)
- Financier (*William Librizzi*)
- Expansion strategies "brownfield - market" (*Rüdiger Hotten*, *ecosoil*)

15:30

**SESSION: POLICY AND RESEARCH ACTIVITIES** (Hotel)

Chair: Volker Franzius

Keynote Lectures:

- U.S. Brownfields Policy (*William Librizzi*)
- Bilateral Cooperation: US EPA and German BMBF (GSF) (*Michael Edelwirth*, *Annett Gatchett*, *Kai Steffens*)
- European/Umweltbundesamt Germany – Brownfield Research (*Detlef Grimski*)

16:30

**Coffee Break** (Orangerie)

**Art Exhibition** (Wismut) (introduction by *Manfred Hagen*)  
**Bergbau, Menschen und Landschaften**

**Opening Technical Exhibition** (*Herbert Klapperich*)

**Poster Session** (introduction by *Susanna Börner*)

**Contaminated Soils and groundwater**

Chairs: *Volker Franzius/Susanna Börner*

- **Remediation of industrial sites using Cement-Look-Technology** (*Anil Goyal*, ENDESCO Services, Inc.), USA
- **Derelict land: Decontamination, Re-Signification, Communication** (*Antonella Valitutti*, University of Rome 'La Sapienza'), Italy
- **How to determine characteristic values of soil parameters for stability analyses under the Partial Safety Concept** (*Britta Kruse*, Technical University Berlin), Germany
- **Electrochemical Remediation** (<sup>1</sup>*Rafiq Azzam*, <sup>2</sup>*Lilian Draganov*, <sup>1</sup>RWTH Aachen, Germany; <sup>2</sup>University of Mining and Geology, Bulgaria)

17:30

Nature walk/vineyard (meeting point Orangerie)

20:00

**Dinner** (Hotel)



**Tuesday, 17 June 2003**

07:30 **Breakfast** (Hotel)

08:30 **SESSION: INTERNATIONAL APPROACHES FOR BROWNFIELD'S REVITALIZATION** (Hotel)

Chairs: *Hans Uwe Schwedler/Jens Uwe Fischer*

**Keynote Lecture: Land recycling as the joint task of Government and Business**

(*Gerhard Kmoch*, Contaminated Sites remediation association of North Rhine Westphalia (AAV)), Germany

- **Abandoned mines in Spain: Environmental, Technical and Legal Needs**  
(*Paula Fdez-Canteli, J. C. Arraz, O. Aduvire*, Geological Survey of Spain (IGME)), Spain
- **Rebuild the community through Brownfield redevelopment**  
(*Curt Milburn*, Phalen Corridor Initiative), USA
- **The Brownfield Cookbook: A Redevelopment Guide**  
(*Stephen Vilavaso*, Villavaso & Associates), USA
- **ITVA-Working Group "Fachausschuß Flächenrecycling"**  
(*Eberhard Seiffe*, Ingenieurtechnischer Verband Altlasten e. V.), Germany

**Military Sites**

- **Peace dividend - or deficit? Redundant defence sites move into civilian uses**  
(*Celia Clark*, University of Portsmouth), UK
- **A new strategy to optimize the conversion of industrial and military sites**  
(*Peter Jäger*, IBL Umwelt- und Biotechnik GmbH), Germany

09:45 **SESSION: MINING: WASTE/SITE REUSE** (Hotel)

Chair: *Manfred Hagen*

- **Lignite mining - follow up strategies**  
(*Karla Ebersbach*, Lausitzer und Mitteldeutsche Immobilienentwicklungsgesellschaft mbH (LMEG)), Germany
- **Uranium mining**  
(*Alexander Jakubick*, WISMUT GmbH), Germany
- **Deutsche Steinkohl's Obligations - under the coal industry Closure Program - Possibilities and limitations**  
(*Wolfgang Quecke*, Deutsche Steinkohle AG), Germany
- **Complex rehabilitation of former mining land**  
(*Dietmar Grießl*, G.U.B. Ingenieurgesellschaft mbH Zwickau), Germany

11:30      **Excursion to Freiberg**  
(by boat on the Elbe River to Dresden and by bus from Dresden to Freiberg)  
Lunch bags will be distributed

14:00      **Technische Universität Bergakademie Freiberg &  
Interdisciplinary Center of Excellence for Brownfields (CiF e. V.)**  
*Herbert Klapperich, Dieter Jacob, Rafig Azzam, Rainer Wolf (CiF e.V.)*

Moderators: *Herbert Klapperich / Rafig Azzam*

**Welcome:**

Mayor, City of Freiberg *Dr. Uta Rentsch*  
Saxonian Ministry for Science and Art *NN*  
Magnifizienz *Prof. Georg Unland*, Technische Universität Bergakademie  
Freiberg  
*Prof. Wolfram Kudla* (Technische Universität Bergakademie Freiberg/Vice  
Dean Faculty of Geosciences, Geotechnology and Mining)  
*Prof. Helmuth Albrecht* (Technische Universität Bergakademie Freiberg/Dean  
Faculty of Economics and Business Administration)  
*Prof. Reinhard Schmidt* (President Sächsisches Oberbergamt)  
*Dietmar Grießl* (President Verein Freiberg Geotchniker e.V.)

**Research/Cooperation/Partnership:**

**Special session: "Brownfields Activities through the EPA's Hazardous  
Substance Research Centers HSRCS)"**

Chair: *Linda Figueroa*

- **U. S. EPA Extramural Research and Outreach for Site Remediation  
and Redevelopment**  
(*Mitch Lasat*, U. S. EPA Project Officer for Hazardous Substance  
Research Center), USA
- **Phytotechnologies on Brownfield Redevelopment Sites**  
(*Carol Brown*, Midwest Hazardous Substance Research Center, Purdue  
University), USA
- **Bioremediation for Brownfields**  
(*Ken Williamson*, Western Region Hazardous Substance Research  
Center, Oregon State University), USA
- **Brownfields Process Flow Diagram and Progression Analysis**  
(*Faith A. Stephens*, Hazardous Substance Research Center South &  
Southwest, Louisiana State University), USA
- **Brownfields Job Training Grant on the Crow Reservation**  
(*Kevin Mellott*, Montana Tech of the RMRHSRC), USA

**Brief statements:**

**"Future Perspectives of Brownfields - Activities and Visions"**

- *Beate Aigner* (Interdisciplinary Center of Excellence for Brownfields ) Activities
- *Annett Gatchett* (U. S. EPA), USA
- *Prof Linda Figueroa* (Colorado School of Mines (CSM) Golden, Colorado), USA
- *Dr. Marty Tittlebaum* (CBI, University of New Orleans), USA
- *Prof. Ivan Vanicek* (Technical University of Praha), Czech Republic
- *Prof. Jan Walaszcyk* (University of Mining and Metallurgy Krakow), Poland
- *Dr. Bernd Vels* (ABC – Associated Business Consultants GmbH), Germany
- *Britta Kruse* (Technical University Berlin), Germany
- *Prof. Jörg Matschullat* (Technische Universität Bergakademie Freiberg/ Interdisciplinary Environmental Research Center (IÖZ)), Germany
- *Prof. Helmuth Albrecht* (Technische Universität Bergakademie Freiberg/ Institute for the History of Science and Technology), Germany
- *Erich Fritz* (Saxonia AG), Germany

- 16:00      **Excursion** to Saxonia area rehabilitation  
**Muldenhütten**  
**Cathedral Concert** "Silbermann Orgel"
- 19:00      "Alte Elisabeth" Mining pit (**Dinner**)
- 22:00      Bus back to hotel

**Wednesday, 18 June 2003**

07:30 **Breakfast**

08:30 **SESSION: URBAN PLANNING/LANDSCAPE DEVELOPMENT** (Hotel)

Chairs: *Rafiq Azzam/Uwe Ferber*

**Keynote lecture: The international Bauausstellung (IBA) Fürst Pückler Land**

*(Rolf Kuhn, Internationale Bauausstellung Fürst Pückler Land), Germany*

**Statement: Mine Reclamation Program - Green Is Not Enough**

*(Friedrich von Bismarck, Governmental Lignite Mine Reclamation Program (STUBA)), Germany*

**Statement: EC Policy - Accession States to the European Union**

*(Hans Uwe Schwedler, European Academy of urban Environment), Germany*

**Papers:**

- **Brownfield redevelopment through sustainable community design and planning: The Mayor's Institute on city design experiment**  
*(Robert G. Paterson, University of Texas at Austin), USA*
- **Sustainable Development and Brownfields: Economic, social and ecological dimensions for creation indicators**  
*(Jan-C. Bongaerts, Technische Universität Bergakademie Freiberg / Interdisciplinary Environmental Research Center (IÖZ), Germany*
- **Land Development: promoting structural change through business activity**  
*(Peter Noll, Montan Grundstücks Gesellschaft (MGG)), Germany*
- **Urban Planning and land development proceedings in Germany**  
*Egbert Dransfeld (Institut für Bodenmanagement), Germany*
- **Rehabilitation and development area: Uranium Mining in South-West Saxony - Shaping structural change through co-operation**  
*(Peter Wirth, Institute of Ecological and Regional Development (IÖR)), Germany*
- **Landscape restoration of quarries and brownfields in Athens**  
*(Julia Georgi, Hellenic Open University & Ministry of Environment, Planning and Public Works), Greece*

10:15 **Coffee Break** (Hotel)

10:45

## **INTERACTIVE SESSION: DIFFERENT APPROACHES FOR BROWNFIELD DEVELOPMENT** (Hotel)

Chairs: *Dieter Jacob/Rainer Wolf*

### **Investors perspective**

- **Project: Technical and economic considerations for the development of railroad property**  
(Thomas Höcker<sup>1</sup>, David Christmann<sup>2</sup>, Oliver Frank<sup>2</sup>; <sup>1</sup>Zerna Köpper und Partner;<sup>2</sup>Aurelis Management GmbH), Germany
- **Statement: Florian Reiff** (Tischmann/Speyer), Germany

### **Financing**

*Stefan Weber* (Sächsische Aufbaubank), Germany

### **Risk management**

- **Risk estimation considerations for assessing environmental liabilities, and their Application to redevelopment of industrial properties**  
*Alexander Pittignano* (AIG Consultants Holding Limited, Paris), France
- **Comparing Contract Methods of Brownfield remediation projects**  
(*Janett Keiser*, Central Puget Sound Regional Transit Authority), USA

### **Legal Aspects: Market contra governmental limitations**

*RA Andrea Versteyl* (Professor Versteyl Rechtsanwälte), Germany  
*Stephen Vilavaso* (Villavaso & Associates), USA

### **Effects of Urbanity**

- **Revitalization of Saxony – EC program**  
(Christian Glantz<sup>1</sup>/Uwe Ferber<sup>2</sup>, <sup>1</sup>Sächsisches Staatsministerium den Inneren, <sup>2</sup>Projektgruppe Stadt und Entwicklung), Germany
- *Alfons Huwe* (LESG, Gesellschaft der Stadt Leipzig), Germany – *Ned Burke*, City of Denver, USA

13:15

## **Lunch**

14:15

## **PODIUM DISCUSSION: “PR FOR BROWNFIELDS – INVESTORS HELP”** (Hotel)

Chairs: *Alexander Prinz von Sachsen/Volker Franzius*

### **Economic promotion:**

- *Hans Estermann*  
(Berlin Economic Development Corporation), Germany
- *Stefan Weber*  
(Sächsische Aufbaubank), Germany
- *Markus M. Lötsch*  
(Wirtschafts Förderung, Dresden), Germany

*Dietrich. Mehrhoff*

(AIG Consultants Holding Limited) Germany

*Jan-C. Bongaerts*

(Technische Universität Bergakademie Freiberg/ Interdisciplinary Environmental Research Center (IÖZ)), Germany

*Jens-Uwe Fischer*

(Deutsche Bahn AG), Germany

*Dieter Jacob*  
(GIF.CiF), Germany  
*Stephen D. Villavaso*  
(Villavaso & Associates CBI, New Orleans), USA  
*Janett Keiser*  
(Central Puget Sound Regional Transit Authority), USA  
*RA Andrea Versteyl*, Germany  
*William Librizzi* (New Jersey), USA

16:30 **Coffee Break** (Orangerie)

**Technical Exhibition**

18:30 *ad hoc* Discussions and/or Free Time

20:30 **Conference Dinner** (Orangerie)

Thursday, 19 June 2003

07:30 **Breakfast** (Hotel)

09:00 **SESSION: PROJECTS – DIRECT COMPARISON AND EXCHANGE** (Hotel)  
Chairs: *Jan-C. Bongaerts/Peter-A. von Wolfersdorf*

- **Financing of Brownfields in Europe** (GB, D, F)  
*(Uwe Ferber), Germany*
- **Inner-city Development USA – Germany**  
*(Ned Burke, Denver - Alfons Huwe, Leipzig)*
- **Mining land reclamation**
  - **Integrating community capacity building and reuse planning into reclamation of American mine-lands: How U.S. regulators are cleaning up with communities**  
*(James L. Ariail III, Christopher M. LaRosa, MHG Center for Environmental Strategies and Technology), USA*
  - **Ronneburg - Bundesgartenschau 2007**  
*(Günther Linsel, Bundesgartenschau Gera und Ronneburg 2007 GmbH), Germany*
  - **Future Perspectives of brownfields in Poland Activities and visions**  
*Jan Walaszcyk (University of Mining and Metallurgy Krakow), Poland*
  - **Remediation in East Germany lignite mining**  
*Friedrich C. Benthaus (Lausitzer- und Mitteldeutsche Bergbau Verwaltungsgesellschaft mbH), Germany*
  - **Structural Concept for the slagheaps of the Saarland**  
*(Josef Hermanns, Hermanns, architects-engineers-landscape designer), Germany*
- **Experiences in brownfield development in the industrial area of the river of Ruhr**  
*(Ulrich Güttler, Thomas Neteler, Christian Schümann, Deutsche Montan Technologie GmbH), Germany*
- **Layered Soil-Geosynthetics Systems for Capping of Sludge Lagoons and Polluted Sites: Two case studies**  
*(Dimiter Alexiew, Huesker Synthetic GmbH), Germany*
- **Public-Private-Partnership - Model in Brownfields**  
*(Alexander Hutzler), Germany*
- **Key Factors for a successful redevelopment of Brownfields from the view of a general contractor**  
*(Doris Freier, TPA Bau- und Umwelttechnik gmbH), Germany*
- **Recultivation problems of the former industrial degraded areas in the upper Silesian Agglomeration**  
*(Nina Juzwa, Beata Kuc-Sluszniak, The Silesian University of Technology), Poland*
- **Transformation of a Former Uranium Mill into a modern business Area – A Remediation Project of the City of Dresden**  
*(Christian Korndörfer<sup>1</sup>, Frank Ohlendorf<sup>2</sup>, <sup>1</sup>Office for Environmental Protection of the City of Dresden, <sup>2</sup>Baugrund Dresden), Germany*

12:00      **Conference Closure – Wrap-Up/Future**  
*Herbert Klapperich/William Librizzi/Volker Franzius*

12:30      **Lunch** (Hotel)

14:00      **Technical Excursions** (optional)

LMBV – mining sites - recultivation

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14:00      ***By Invitation Only***: Workshop: EC-Brachen Sachsen (organized by  
<sup>1</sup>Ferber/<sup>2</sup>Glantz, <sup>1</sup>Projektgruppe Stadt und Entwicklung Leipzig; <sup>2</sup>Saxonian  
Ministry of the Interior) (EFRE)  
*Herbert Klapperich, Beate Aigner, Michael Hanke*