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HEIDELBERG



Institut für Energie -
und Umweltforschung
Heidelberg gGmbH

RECAST Urumqi



Meeting the **R**esource **E**fficiency Challenge
in a **C**lim**A**te **S**ensi**T**ive Dryland Megacity Environment –
Urumqi as a Model City for Central Asia

Kick-off Conference

Urumqi, 19th – 20th of September 2008

Members of the German Delegation

(in alphabetic order)

	<p>Prof. Bubenzer is geographer. He studied in Cologne and Bonn and obtained his Ph.D. (Dr. rer. nat.) in 1998 from the University of Cologne with a thesis about river geomorphology. Since 2007 he is director of the Department of Geography at the University Heidelberg and holds the chair of Physical Geography. His main research topics are geomorphological and geoarchaeological questions in drylands, in particular Human-nature interactions. Since 2006 he is secretary of the Commission “Arid Lands, Humankind and Environment” of the International Geographical Union (IGU), and since 2008 he is president of the working group “Desert Margin Research” of the German Geographical Society.</p>
<p>Prof. Dr. Olaf Bubenzer</p> <p>Sustainable Water Management in Urban Areas</p>	<p>Prof. Dr. Olaf Bubenzer Chair of Physical Geography, Department of Geography Heidelberg University Im Neuenheimer Feld 348, 69120 Heidelberg, Germany olaf.bubenzer@geog.uni-heidelberg.de Tel.: +49(0)6221-54-4595 Fax.: +49(0)6221-54-4997</p>
	<p>Mr. Chen studied Technical German at the University of Shanghai for Science and Technology (USST) from 1993 to 1997 (Bachelor of Engineer Degree). In 2006 he majored in Economics at the University of Heidelberg with a focus on Environment Economics, Economic Information & Business Administration. He finalized his studies with a diploma thesis on „Approaches to Energy Management and Resource Protection in the Sector of Residential Construction under Special Consideration of China“. Since 2006 he is a PhD Candidate at University of Heidelberg with a thesis about energy policy and management in China. Since 2008 he is working at Institute for Energy and Environmental Research (IFEU) in the field of Sustainable Energy Economy.</p>
<p>Jianfeng Chen</p> <p>PhD Candidate</p> <p>Energy Efficiency</p>	<p>Dipl.-Vw. Jianfeng Chen (B.Eng.) IFEU - Institute for Energy and Environmental Research Wilckensstr. 3, 69120 Heidelberg, Germany jianfeng.chen@ifeu.de Tel. +49-(0)6221-4767-75 Fax: +49-(0)6221-4767-19 Mobile: +49-(0)176-2003-0490</p>



Bernd Franke has the German equivalent of master's degrees in biology and geography from the University of Heidelberg. He has 30 years of professional experience in environmental assessments. In 1978, he was a co-founder of the IFEU-Institut für Energie- und Umweltforschung Heidelberg GmbH (Institute for Energy and Environmental Research) in Heidelberg, Germany where he currently holds the position of Scientific Director. He was the principal investigator in a substantial number of projects for clients from the public and private sector evaluation the environmental and life-cycle impacts of energy production and use.

Bernd Franke

TG Leader

Energy Efficiency

Bernd Franke

Scientific Director

IFEU - Institute for Energy and Environmental Research
Wilckensstr. 3, 69120 Heidelberg, Germany

bernd.franke@ifeu.de

Tel. +49-(0)6221-4767-23

Fax: +49-(0)6221-4767-19

Mobile: +49-(0)170-961-6756



Katharina Fricke has been studying geography, environmental physics and political science in Heidelberg since 2002, supplemented by a certificate in interdisciplinary environmental studies in 2005. She graduated from the University of Heidelberg with a Diploma (equivalent to Master) degree in geography April 2008. During her studies she also worked as a student assistant at the Department of Geography, Heidelberg. With the support of the Baden-Württemberg-scholarship she was able to study Geography and Chinese language at the Chinese University of Hong Kong for one term in 2005. Her Diploma thesis was on "The development of Midong New District, Urumqi, PR China – ecological and historical context and environmental consequences", written within the pre-phase of the project "RECAST Urumqi – Meeting the Resource Efficiency Challenge in a Climate Sensitive Dryland Megacity Environment – Urumqi as a Model City for Central Asia". The field work for the thesis included four weeks of field work October / November 2007.

Katharina Fricke

PhD Candidate

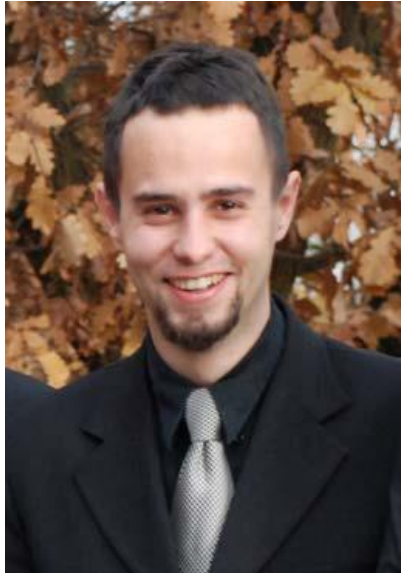
**Sustainable Water Management
in Urban Areas**

Dipl.-Geogr. Katharina Fricke

Department of Geography, University of Heidelberg
Im Neuenheimer Feld 348, 69120 Heidelberg, Germany
katharina.fricke@geog.uni-heidelberg.de

Tel.: +49(0)6221-54-4584

Fax: + 49(0)6221-54-4997



Since 2002, Patrick Klenk has been studying physics at the University of Heidelberg, where he currently works at the Institute for Environmental Physics. His main research interests include the feasibility of Ground Penetrating Radar methods for remote sensing applications. To that end, he was involved in the Heihe remote sensing experiment „Watershed Airborne Telemetry Experimental Research“ in spring of 2008 in cooperation with the Cold and Arid Regions Environmental Engineering and Research Institute in Lanzhou. From 2004 to 2005 he spent a year for Chinese language studies in China, partly at Nanjing University as well as at Beijing University on a scholarship by the German National Merit Foundation.

Patrick Klenk

PhD Candidate

Soil Humidity and Climate Change

Patrick Klenk
 Institute of Environmental Physics
 University of Heidelberg
 Im Neuenheimer Feld 229
 D 69120 Heidelberg
 Germany
 phone: +49 (0)6221 54 65 17
 fax: +49 (0)6221 54 64 05
patrick.klenk@iup.uni-heidelberg.de



Since 2000 Werner Krause is senior research associate at the IUWA Heidelberg e.V. (Institute for Eco-Industrial Analyses) with a Diploma in Geology, Ph.D. in Geoecology - (Dating of quaternary sediments from an oasis in East Antarctica by infrared stimulated luminescence) - and a degree in Technical Business Economy (CCI). His main focus lies in:

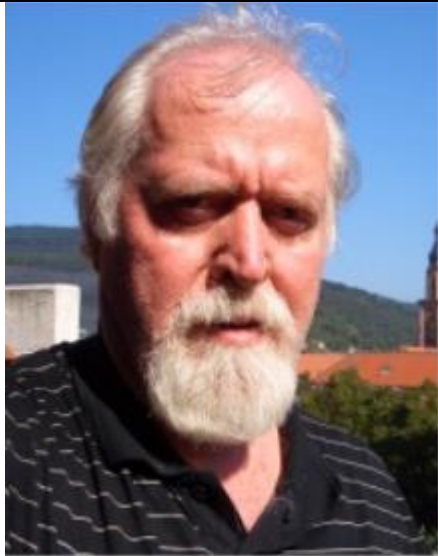
- Breaking scientific research down to industrial practise primarily in the field of industrial waste management,
- the co-development and implementation of waste management software,
- legal aspects and certainty in industrial waste management,
- development of indicator sets for benchmarking sustainability management of industrial material flows,
- development of sustainability oriented balanced score cards (SBSC) for SME.

Dr. Werner Krause

Senior Researcher

**Circular Economy /
Waste Management**

Dr. Werner Krause
 IUWA - The Institute for Eco-Industrial Analyses
 Tiergartenstraße 17
 69121 Heidelberg, Germany
 phone: +49 (0)6221 / 64940-11
 fax: +49 (0)6221 / 64940-14
krause@iuwa.de



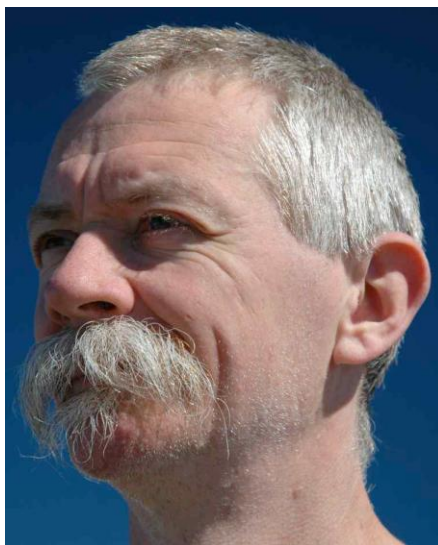
**Prof. Dr.
Dietfried Günter Liesegang**

TG Leader

**Circular Economy /
Waste Management**

Prof. Dr. Dietfried Günter Liesegang is the Executive Director of UKOM Rhein-Neckar (UKOM), which is the official regional network bundling the expertise on environmental problem solutions in the metropolitan region. Until 2007 he was Chairman of the Department of Business Administration with special focus on environmental management in the Faculty of Economics, University of Heidelberg. He is the founder and editor-in-chief of the quarterly scientific journal UWF (Umwelt-WirtschaftsForum), which appeared 1993 and has ever since become one of or even the leading journal on environmental management in Germany. He is the founder and director of IUWA Heidelberg e.V., an applied research institute for environmental management with main focus on: eco-efficiency, design for ecology, industrial metabolism, and eco-industrial parks.

Prof. Dr. D. Günter Liesegang
Head, IUWA Heidelberg e.V.
The Institute for Eco-Industrial Analyses
Tiergartenstraße 17
D-69121 Heidelberg, Germany
phone: +49 (0)6221 / 64940-11
fax: +49 (0)6221 / 64940-14
guenter.liesegang@awi.uni-heidelberg.de



Prof. Dr. Kurt Roth

TG Leader

Water Resource Efficiency

Prof. Roth studied Mathematics and Physics at ETH, Zürich, with a focus on atmospheric physics and obtained his doctoral degree in 1989 with a study on solute transport through soils. He then moved to the University of California at Riverside to work on transport theory. In 1992, he became associate professor of soil physics at University of Hohenheim and, in 1998, full professor of experimental physics at Heidelberg University and director of the Institute of Environmental Physics. Since 2007, he serves as Vice-Rector for Research and Structure. Research interests of Prof. Roth include transport processes in terrestrial systems, near-surface geophysics, dynamics of cold and arid regions, and, more recently, remote sensing of soil water. His group operates a number of soil-weather monitoring stations in the Arctic and on the Tibetan plateau as well as a hydrogeophysical test site near Heidelberg. He is a member of the German calibration/validation team for ESA's radiometry satellite SMOS that is scheduled for launch in 2009.

Prof. Dr. Kurt Roth
Vice Rector for Research and Structure
and Director Institute of Environmental Physics
Heidelberg University
Im Neuenheimer Feld 229
D-69120 Heidelberg, Germany
phone: +49 (0)6221 - 54 63 52
fax: +49 (0)6221 - 54 64 05
kurt.roth@iup.uni-heidelberg.de



Dr. Thomas Sterr

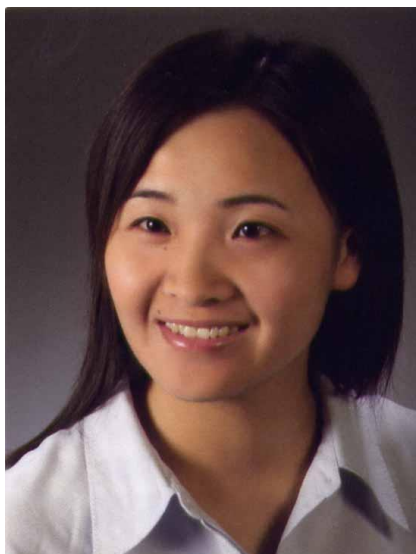
Chief Coordinator

Dr. Thomas Sterr is a geographer and economist. He holds a diploma in geography and completed his doctoral thesis in business administration (Prof. Liesegang) at the Department of Economics on “Circular Economy on the Regional Scale”. As of 2002, he shares the direction of IUWA with Prof. Liesegang. Furthermore, since 2007, he coordinates the “RECAST Urumqi” project as the successor of Prof. Eitel at the Department of Geography of the University of Heidelberg.

His main research topics focus on the field of circular economy, waste management, regional development, industrial ecology, eco-industrial parks, and sustainability oriented networks.

Dr. Sterr has more than 10 years’ experience in project lead and project network coordination including close cooperation with managers and practitioners of industrial enterprises. Above that he is a founding and board member of the Centre of Environmental Expertise Heidelberg Rhine-Neckar (UKOM).

Dr. Thomas Sterr
Project Manager, Department of Geography, Univ. of HD /
Head, IUWA – The Institute for Eco-Industrial Analyses
Tiergartenstraße 17, 69121 Heidelberg, Germany
phone: +49 (0)6221 / 64940-12, fax: +49 (0)6221 / 64940-14
sterr@iuwa.de



Sha XIA

**Sino-German Coordinator
PhD Candidate**

Ms. Sha XIA began her studies in economics at the University of Heidelberg in 2003, one year after receiving the bachelor degree in the German Language and Literature from the Tongji-University Shanghai. Her main research interests include the business financing, the environmental management as well as the energy management and its organizational structures. In June 2008, Ms. XIA finished her thesis about the energy contracting as an instrument to optimize the energy efficiency.

During her economics Studies, Ms. Xia has worked as student assistant for the Chair of Economics (Prof. Bell) at the South-Asia-Institute as well as the Chair of Business Administration (Prof. Liesegang) at the Alfred-Weber-Institute of the University of Heidelberg. Under the leadership of Prof. Liesegang, she has successfully co-organized and attended the both Sino-German-Symposiums on regional circular economy development, which were held in Heidelberg in March 2006 and in Shanghai in October 2007.

Since July 2007, Ms. Xia has been working as Sino-German-Coordinator for the BMBF-research project “RECAST Urumqi” and is now associated researcher at the Institute for Eco-Industrial Analyses (IUWA).

Dipl. Vw. Sha Xia

IUWA – The Institute for Eco-Industrial Analyses
Tiergartenstraße 17, 69121 Heidelberg, Germany
phone: +49 (0)6221 / 64940-13, fax: +49 (0)6221 / 64940-14
xia@iuwa.de / sha.xia@awi.uni-heidelberg.de



Dr. Hans-Wolf Zirkwitz

Advisor Energy Efficiency

Dr. Hans-Wolf Zirkwitz studied chemistry and environmental geochemistry at the University of Heidelberg. He worked for three years in the industry by developing sanitation plants for contaminated sites.

Since 1991 he was Project Manager in at the Office of Environment, City of Heidelberg.

He has experiences in the fields of ISO 14000, soil sanitation, water, waste, energy management and nature protection and is member of several European, national and regional working groups in the field of Sustainable Development on local level.

Dr. Hans-Wolf Zirkwitz
Director General
Office of Environmental Protection,
Trade Supervision and Energy
City of Heidelberg,
Kornmarkt 1, D- 69117 Heidelberg, Germany
phone: +49 (0)6221 / 06221 - 58 18 010
fax: +49 (0)6221 / 58 18 290
hans-wolf.zirkwitz@heidelberg.de