



Federal Ministry
of Education
and Research



2nd International BMBF Conference

Future Megacities in Action

Innovative Solutions for Energy- and Climate- Efficient Urbanisation

Programme | May 14 – 16, 2013 | Hamburg, Germany

RESEARCH

Lima, Peru

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PRE-CONFERENCE – MONDAY, 13 MAY 2013

only on invitation

Young Researchers' Forum

📍 Venue: IBA DOCK – Am Zollhafen 12, Hamburg - Veddel

Moderated by *Prof. Elke Pahl-Weber* –
Department of Urban and
Regional Planning, Technische
Universität Berlin

11:00 – 11:15 Welcome to the Forum

[Welcome Address by the hosting
IBA Hamburg](#)

Uli Hellweg – Managing Director
of International Building
Exhibition – IBA Hamburg
GmbH

[The BMBF-Research Programme
“FUTURE MEGACITIES –
Energy- and Climate-Efficient
Structures in Urban Growth
Centres”](#)

Dr. Petra Wolff – Assistant Head
of Devison, Department of
Global Change, Federal Ministry
of Education and Research

11:15 – 12:00 Introduction

[How can Research Influence
Sustainable Development of
Megacities?](#)

Prof. Eckart Ehlers – University
of Bonn

Dr. Irene Wiese-von Ofen –
Past President, International
Federation for Housing and
Planning

Yorck Förster – Kuratorenwerk-
statt, Frankfurt

12:00 – 13:30 Walking the Poster Exhibition

[Self-introduction of Participants
and Exchange of Research Topics](#)

13:30 – 14:30 Lunch

14:30 – 16:30 Presentations and Discussion
of Awarded Theses and Special
Recognitions

[Presentation for awarded
PhD-Thesis](#) 15 minutes

[2 Presentations for awarded
Master or Diploma-Theses](#)
15 minutes each

[2 Presentations for
awarded Bachelor-Theses](#)
10 minutes each

[3 Presentations for
special Recognition-Theses](#)
10 minutes each

[Discussion](#) 25 minutes

16:30 – 17:00 Coffee Break

17:00 – 19:00 World Café on Research Topics

19:00 – 19:30 Closing Remarks
Prof. Elke Pahl-Weber –
Technische Universität Berlin

19:30 – 20:30 Get together
[Buffet](#)

20:30 – 22:00 Preview: Short Films on Future
Megacities Projects

[Introduction](#)
Prof. Bernd Kochendörfer –
Technische Universität Berlin

[Short Films by](#)
Marcus Mangeot – CrossDocs,
Stuttgart

CONFERENCE DAY 1 – TUESDAY, 14 MAY 2013

Innovative Solutions

📍 Venue: Fischauktionshalle – Grosse Elbstrasse 9, Hamburg

Moderated by	<i>Conny Czymoch</i> – Journalist
08:00 – 09:15	Registration
09:15 – 09:30	Conference Opening and Improvisation Theatre
09:30 – 10:00	Welcome Address <i>Wilfried Kraus</i> – Head of Directorate, Federal Ministry of Education and Research, Germany <i>Olaf Scholz</i> – Mayor of the Free and Hanseatic City of Hamburg
10:00 – 11:00	Keynotes <i>Setting the Scene – The Duality of Megacities as Drivers and Victims of Climate Change</i> <i>Albert Speer</i> – AS&P – Albert Speer & Partner GmbH – Architects and Planners, Germany <i>How to become a Pioneer? Successful Recipes to Meet the Challenges for Sustainable Urban Growth</i> <i>Roslynn Greeff</i> – Member of Mayoral Committee, Development Planning and Urban Management, City of Johannesburg, South Africa
11:00 – 11:30	Coffee Break

11:30 – 12:45	Panel Discussion 1* Innovative Solutions – What is Urban Reality Demanding from Research? Input by and Discussion with <i>Wilfried Kraus</i> – Federal Ministry of Education and Research, Germany <i>Prof. Undine Giseke</i> – Technische Universität Berlin, Germany <i>Roslynn Greeff</i> – City of Johannesburg, South Africa <i>Franz Marré</i> – Head of Division, Federal Ministry of Economic Cooperation and Development (BMZ) <i>Albert Speer</i> – Albert Speer & Partner GmbH, Germany
12:45 – 13:45	Lunch Break and Access to Market Place
13:45 – 15:15	Flashlights Challenges and Innovations in Future Megacities 1. Energy and Climate Protection in Gauteng – South Africa <i>Dr. Ludger Eltrop</i> – University of Stuttgart, Germany 2. Resource Efficiency in Urumqi – China <i>Dr. Thomas Sterr</i> – Institute for Eco-Industrial Analyses (IUWA) Heidelberg e.V., Germany

	3. Transportation Management in Hefei – China <i>Alexander Sohr</i> – German Aerospace Center, Berlin, Germany
	4. New Town Development in Tehran-Karaj Region – Iran <i>Prof. Rudolf Schäfer</i> – Technische Universität Berlin, Germany
	5. Planning Adaptation in Ho-Chi-Minh-City – Vietnam <i>Prof. Michael Schmidt</i> – University of Technology Cottbus, Germany
	6. Sustainable Hyderabad – India <i>Dr. Fritz Reußwig</i> – Potsdam Institute for Climate Impact Research – PIK, Germany
	7. Water Management in Lima – Peru <i>Dr. Manfred Schütze</i> – ifak e. V., University of Magdeburg, Germany
	8. Urban Agriculture in Casablanca – Morocco <i>Prof. Undine Giseke</i> – Technische Universität Berlin, Germany
	9. Solid Waste Management in Addis Ababa – Ethiopia <i>Dieter Steinbach</i> – AT Association Stuttgart, Germany
15:15 – 15:30	Short Coffee Break

15:30 – 17:30	Market Place: Meet the Expert – Touch the Product Individual Market Walk with short Presentations on Project Stands**
parallel	Gallery Walk of Young Researchers' Poster Exhibition
parallel	Short Films on Megacities Projects
17:30 – 17:45	Improvisation Theatre
17:45 – 18:45	Evening Lecture Building the Net Productive City: Increasing the Scale, Responsiveness and Speed of Urban Transformation <i>Jeb Brugmann</i> – The Next Practice, Toronto, Canada
18:45 – 19:00	Short Break to Prepare and Gather for the Boat Trip
19:00 – 22:00	Harbour Cruise on Boat with Dinner

CONFERENCE DAY 2 – WEDNESDAY, 15 MAY 2013

Implementation and Transfer

Venue: Fischauktionshalle – Grosse Elbstrasse 9, Hamburg

Moderated by *Conny Czymoch* – Journalist

08:00 – 09:00 Registration

09:00 – 09:10 Improvisation Theatre

09:10 – 10:10 **Panel Discussion 2***

The Challenge of Implementation – Success Factors for Bringing Solutions to Urban Practice

Input by and Discussion with

Dr. Debra Roberts – Deputy Head Environmental Planning and Climate Protection Department, Ethekewini Municipality, Durban, South Africa

Samih Sawiris – Chairman of Orascom Development AG, Egypt

Uli Hellweg – Managing Director International Building Exhibition – IBA Hamburg GmbH, Germany

Werner Landwehr – Head of GLS Bank Berlin, Germany

Bernd Franke – Scientific Director of Institute for Energy and Environmental Research (IFEU), Heidelberg, Germany

10:10 – 10:30 Coffee Break

10:30 – 12:30 **Thematic Working Sessions****

Session 1 Renewable Energy Systems for the Urban Future

Session 2 Energy Efficiency in Architecture and Urban Design

Session 3 Adapting Urban Planning Approaches to Challenges of Energy Efficiency and Climate Change

Session 4 Managing a Moving Target – Smart Transport Planning in Megacities

Session 5 Capitalising on Urban Waste as a Sustainable Resource

Session 6 Managing Scarcity – Water Supply and Sanitation in Megacities

Session 7 The Potential of Urban Agriculture for Food Supply and Green Urbanisation

Session 8 Participation, Cooperation and Governance for Sustainable Megacities

Session 9 Building up Capacities Today for the Urban Challenges of Tomorrow

12:30 – 13:30 Lunch

13:30 – 14:30 **Panel Discussion 3***

Visions 2020+ – The Energy - and Climate - Efficient Future Megacity

Presentation of Essential Theses by Workshop Moderators

[1. Renewable ENERGY Systems](#)

[2. Architecture and Urban Design](#)

[4. Transport Planning](#)

[5. Urban Waste](#)

[6. Water Supply and Sanitation](#)

Panel Discussion

Prof. Khaled El Araby – Faculty of Engineering, Ain Shams University, Cairo, Egypt

Prof. Andreas Oberheitmann – Research Centre for Int. Environmental Policy (RCIEP)/ Tsinghua University, Beijing

Prof. Chris Zevenbergen – Department of Urban Water and Sanitation at UNESCO-IHE, Delft, The Netherlands

Prof. Matthias Ottmann – Ottmann GmbH & CO., Südhausbau KG, Munich, Germany

14:30 – 14:40 Short Break

14:40 – 15:30 Presentation of Essential Theses by Workshop Moderators

[3. Urban Planning Approaches](#)

[7. Urban Agriculture](#)

[8. Governance and Participation](#)

[9. Capacity Development](#)

Panel Discussion

Prof. Eckart Ehlers – Center for Development Research, University of Bonn, Germany

Dr. Debra Roberts – Deputy Head Environmental Planning and Climate Protection Department, Ethekewini Municipality, Durban, South Africa

Prof. Günter Meinert – Programme Manager, GIZ, Germany

Dr. Irene Wiese - von Ofen – Past President, International Federation for Housing and Planning, Germany

15:30 – 16:00 Coffee Break

16:00 – 17:30 **Panel Discussion 4***

Making Visions Real – How to bring Innovation to Scale?

Dr. Petra Wolff – Deputy Head of Division, Federal Ministry of Education and Research, Germany

Michael Gruber – German Development Bank – KfW

Ho Long Phi – Director of Center of Water Management and Climate Change (WACC), Viet Nam National University, HCMC, Vietnam

Dr. Hend Farouh – Associate Professor of Sustainable Architecture and Urban Development, The Housing and Building National Research Center, Giza, Egypt

Dr. Monika Zimmermann – Deputy Secretary General, ICLEI Local Governments for Sustainability, World Secretariat, Bonn, Germany

Holger Dalkmann – Director EMBARQ - the Centre for Sustainable Transport, World Resources Institute, USA

Prof. Elke Pahl-Weber – Department of Urban and Regional Planning, Technische Universität Berlin

17:30 – 17:50 Young Researchers' Award Ceremony

Dr. Petra Wolff – Federal Ministry of Education and Research, Germany

17:50 – 18:00 Wrap-Up with Improvisation Theatre

18:00 – 18:30 Break and Flying Buffet

18:30 – 19:15 Evening Lecture

[Urban Development Practice in Hamburg](#)

Prof. Jörn Walter – Senior Construction Director, State Ministry for Urban Development and the Environment (BSU) of the Free and Hanseatic City of Hamburg, Germany