

**NOVEMBER 27-29, 2017**  
**HERRENHAUSEN PALACE, HANOVER, GERMANY**



## **DANGEROUS LANDSCAPES — RE-THINKING ENVIRONMENTAL RISK IN LOW-INCOME COM- MUNITIES**

Climate change and rapid urbanization will expose more and more humans around the globe to natural hazards. Future informal urbanization activities in dangerous terrain will increase overall vulnerabilities especially for flooding and landslides in the fast growing regions of Asia, Africa, and Latin America. Peri-urban and rural settlements will also face increased risks such as the intensification of droughts. Therefore, developing integrated risk reduction strategies in such regions will be one of the great challenges of the future. The Herrenhausen Conference “Dangerous Landscapes” will specifically examine trans-disciplinary, community-based and emerging approaches to disaster risk reduction in low-income communities. The conference will address integrative and affordable forms of prevention and counteractions that could be part of everyday life of threatened low-income communities. Given the massive increase expected in urbanization, prevention and response efforts are likely to overwhelm state agencies, aid organizations, and residents in the coming years.

A broad array of experts from various disciplines is invited to join the conference, including researchers and practitioners of landscape and urban design, the humanities, the engineering sciences, as well as those involved in community-based organizations. The inputs will range from promising ideas to realized projects. Potentials of scalar applicability, bottom-up and top-down overlays, as well as linkages between high and low technologies will be explored. The collection of these contributions shall contribute to an ever-evolving taxonomy for disaster preparation in low-income communities.

“Dangerous Landscapes” is part of the Herrenhausen Conference Series initiated by the Volkswagen Foundation. The conference establishes a further link to a series of conferences initiated by the Informal Urbanism Hub as part of the UN-Habitat University Initiative (UNI). We invite all researchers and experts working in this field. There is no fee for the attendance, but registration is essential. [www.volkswagenstiftung.de/dangerouslandscapes](http://www.volkswagenstiftung.de/dangerouslandscapes)

### **PROGRAM**

**Monday, November 27<sup>th</sup>, 2017**

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2:00 P.M.

WORDS OF WELCOME

**Silke Bertram**, Head, Funding Team “International Projects”, Volkswagen Foundation, Germany

INTRODUCTORY REMARKS

**Christian Werthmann**, Institute of Landscape Architecture, Leibniz Universität Hannover, Germany

**Ulrike Grote**, Institute for Environmental Economics and World Trade, Leibniz Universität Hannover/ German Advisory Council on Global Change, Germany

**Jörg Dietrich**, Institute of Hydrology and Water Resources, Leibniz Universität Hannover, Germany

- 2:30 P.M. **CLUSTER 1: TOWARDS A DEEPER UNDERSTANDING OF RISK**  
 CHAIR: **Jakob Rhyner**, Institute for Environment and Human Security, United Nations University, Bonn, Germany  
 RAPORTEUR: **Bhumika Uniyal**, Institute of Hydrology and Water Resources, Leibniz Universität Hannover, Germany
- The Morphology of Slums – Analyzing Slums across the Globe Using Earth Observation Data*  
**Hannes Taubenböck**, German Aerospace Center, DLR Cologne, Germany
- Indicators for Urban Fragility and Crises in Slums*  
**Ronak B. Patel**, Harvard Humanitarian Initiative and Emergency Medicine, Harvard Medical School, USA
- Capabilities and Limits of Early Warning Systems (EWS) – How to Translate Scientific Evidence and Stimulate Community-Based Action*  
**Torsten Schlurmann**, Franzius Institute for Hydraulic, Estuarine and Coastal Engineering, Leibniz Universität Hannover, Germany
- Student-NGO-Resident Connection. Assessment and Adaptation of Flood Risk in the Post-Disaster Settlement of Onaville, Haiti*  
**Gerardo Gazmuri**, KFA Architects, TECHO, Port-au-Prince, Haiti  
**Johann-Christian Hannemann**, Landscape Architecture, TU Munich, Germany
- 4:30 P.M. COFFEE BREAK
- 5:00 P.M. DOCTORAL AND POST-DOCTORAL PRESENTATIONS I  
 CHAIR: **Ulrike Grote**, Institute for Environmental Economics and World Trade, Leibniz Universität Hannover / German Advisory Council on Global Change, Germany
- 6:15 P.M. COFFEE BREAK
- 6:30 P.M. TALK  
*Community-Built Groundwater Recharge to Revitalize Small Agriculture in India's Semi-arid Zones*  
**Rajendra Singh**, Tarun Bharat Sangh, 2015 Stockholm Water Prize Laureate, Rajasthan, India
- 8:00 P.M. DINNER

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**Tuesday, November 28<sup>th</sup>, 2017**

- 9:00 A.M. TALK  
*Disaster Risk Reduction – a Global Perspective*  
**Dan Lewis**, Former Chief, Urban Risk Reduction Unit, UN Habitat, Nairobi, Kenya
- 10:00 A.M. **CLUSTER 2: COMMUNITY-BASED KNOWLEDGE AND COPING STRATEGIES**  
 CHAIR: **Michel Matera**, Senior Disaster Risk Management Specialist, World Bank Global Practice for Social, Urban, Rural and Resilience, Maputo, Mozambique
- RAPORTEUR: **Dorothee Bühler**, Institute for Environmental Economics and World Trade, Leibniz Universität Hannover, Germany

*Community-Organized Water Management in Malawi*

**Kate Harawa**, Water for People - Malawi, Glasgow

*Community-Organized Risk Management in La Cruz and La Honda*

**Fernando Zapata**, Fundación Sumapaz, Medellín, Colombia

*Cooperative Action and Mutual Help in Rio de Janeiro*

**Ricardo de Gouvêa Corrêa**, Bento Rubião Human Rights Foundation

*Addressing Climate Disaster, Post-Conflict Peacemaking, and Economic/Social Inclusion in Colombia*

**Phil Thompson**, Department of Urban Studies and Planning, MIT, USA

**Angélica María Mayolo Obregón**, Chief of Staff, International Affairs Office, Colombian Ministry for Environment and Sustainable Development, Colombia

12:00 P.M. LUNCH

1:00 P.M. DOCTORAL AND POST-DOCTORAL PRESENTATIONS II  
CHAIR: **Jörg Dietrich**, Institute of Hydrology and Water Resources Management, Leibniz Universität Hannover, Germany

2:15 P.M. BREAK

2:30 P.M. **CLUSTER 3: LANDSCAPE-BASED DISASTER RISK MANAGEMENT**  
CHAIR: **Heike Schäfer**, Institute of Landscape Architecture, Leibniz Universität Hannover, Germany  
  
RAPPOREUR: **Joseph Claghorn**, Institute of Landscape Architecture, Leibniz Universität Hannover, Germany

*Inhabiting the Wayward Fire Habitat*

**Jörg Rekittke**, Landscape Architecture, RMIT, Melbourne, Australia (until Sept 2017)

*Productive Public Space Systems in Kibera, Nairobi*

**Chelina Odbert**, Kounkuey Design Initiative, Los Angeles, USA

*Rehabitar la Montaña: Landslide Risk and Informal Urbanization in Medellín*

**Alejandro Echeverri**, Director of Urban and Environmental Studies, EAFIT University Medellín, Colombia

*Kigali, Rwanda: City of Hills and Wetlands*

**Undine Giseke**, Department of Landscape Architecture, TU Berlin, Germany

4:30 P.M. COFFEE BREAK AND GROUP PHOTO

5:00 P.M. **CLUSTER 4: ANTICIPATORY STRATEGIES**  
CHAIR: **Dipti Hingorani**, ONU Habitat  
RAPPOREUR: **Rasadhika Sharma**, Institute for Environmental Economics and World Trade, Leibniz Universität Hannover, Germany

*A Look into the Future from a World Bank Perspective*

**Michel Matera**, Senior Disaster Risk Management Specialist, World Bank Global Practice for Social, Urban, Rural and Resilience, Maputo, Mozambique

*Future in the Making: Understanding and Shaping Urban Risk and Adaptation Pathways*

**Jakob Rhyner**, Institute for Environment and Human Security, United Nations University, Bonn, Germany

*Building Climate Resilience: Preempting and Planning for Risk, Planning for Contingency Arrangements*

**Koko Warner**, United Nations Framework Convention on Climate Change, Maastricht, The Netherlands

*Planning and Design for Future Informal Settlements*

**David Gouverneur**, Associate Professor of Practice, School of Design, University of Pennsylvania, Philadelphia, USA

8:00 P.M. EXHIBITION OPENING (HERRENHÄUSER STR. 8)

### Wednesday, November 29<sup>th</sup>, 2017

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9:30 A.M. TALK  
*Resilient Futures: Working to Reduce Risk through Design and Technology*  
**Miho Mazereeuw**, Director, Urban Risk Lab, MIT, Cambridge, MA, USA

10:30 A.M. **SYNTHESIS WORKSHOP: CLUSTER 1, 2, 3 AND 4 (BREAK-OUT SESSIONS)**  
CLUSTER 1; CHAIR: **Jörg Dietrich**  
CLUSTER 2; CHAIR: **Christian Werthmann**  
CLUSTER 3; CHAIR: **Heike Schäfer**  
CLUSTER 4; CHAIR: **Ulrike Grote**

12:00 P.M. LUNCH

1:00 P.M. **PLENARY DISCUSSION: FINDINGS & STATEMENTS**  
CHAIR: **Christian Werthmann**, Institute for Landscape Architecture, Leibniz Universität Hannover, Germany

Rapporteurs from the four Clusters  
Statements: **Jakob Rhyner, Kate Harawa, Koko Warner, Dipti Hingorani**

2:45 P.M. CLOSING REMARKS, BEST LIGHTNING TALK AWARD AND BEST POSTER AWARD

3:00 P.M. END OF CONFERENCE

### ORGANIZERS



VolkswagenStiftung

