

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



DANGEROUS LANDSCAPES — RE-THINKING ENVIRONMENTAL RISK IN LOW-INCOME COMMUNITIES

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

PROGRAM

Monday, November 27th, 2017

- 2:00 P.M. WORDS OF WELCOME
Wilhelm Krull, *Secretary General, Volkswagen Foundation, Germany*
INTRODUCTORY REMARKS
Christian Werthmann, *Institute for Landscape Architecture, Leibniz University of Hanover, Germany*
- 2:30 P.M. **CLUSTER 1: TOWARDS A DEEPER UNDERSTANDING OF RISK**
CHAIR: **Jakob Ryhner**, *Institute for Environment and Human Security, Vice-Rector United Nations University, Bonn, Germany*
- Capabilities and limits of Early Warning Systems (EWS) in context of tsunami hazards - How to translate scientific evidence and stimulate community-based action?*
Torsten Schlurmann, *Franzius Institute for Hydraulic, Estuarine and Coastal Engineering, Leibniz University of Hanover, 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 Crises in Slums

Ronald B. Patel, Pre-Hospital and Disaster Medicine, Harvard Humanitarian Initiative, Cambridge, UK

Student-NGO-Resident Connection. Assessment and Adaptation of Flood Risk in the Post-Disaster Settlement of Onavil, Haiti

Gerardo Gazmuri, TECHO, Port-au-Prince, Haiti, **Wolfgang Rieger**, Hydraulic Risk Assessment, TU Munich, Germany, and **Johann-Christian Hannemann**, Landscape Architecture, TU Munich, Germany

RESPONDENT: **Kate Harawa**, Country Director, Water for People, Lilongwe, Malawi

5:00 P.M.

COFFEE BREAK

5:30 P.M.

DOCTORAL AND POST-DOCTORAL PRESENTATIONS I

CHAIR: **Ulrike Grote**, Institute for Environmental Economy and Global Trade, Leibniz University of Hanover, Germany

6:30 P.M.

KEYNOTE 1

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

Tuesday, November 28th, 2017

9:00 A.M.

KEYNOTE 2

Current Challenges in Disaster Risk Reduction

Dan Lewis, Chief of the Urban Risk Reduction Unit, City Resilience Profiling Program at UN Habitat, Nairobi, Kenya

10:00 A.M.

CLUSTER 2: COMMUNITY-BASED KNOWLEDGE AND COPING STRATEGIES

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

Community-Based resilience Strategies in Kampala

Sarah Nandudu, Deputy Chairperson, Slum Dwellers International, Kampala, Uganda

Community-Based Recovery in Post-Katrina New Orleans

Phil Thompson, Urban Planning, Political Science, MIT

Community-organized Risk Management Organizations in La Cruz and La Honda, Medellín

Fernando Zapata, Community Activist, Medellín, Colombia

RESPONDENT: **Gerardo Gazmuri**, TECHO, Port-au-Prince, Haiti

- 12:00 P.M. LUNCH
- 1:30 P.M. DOCTORAL AND POST-DOCTORAL PRESENTATIONS II
CHAIR: **Jörg Dietrich**, Institute of Hydrology and Water Resources Management, Leibniz University of Hanover, Germany
- 2:30 P.M. **CLUSTER 3: LANDSCAPE-BASED DISASTER RISK MANAGEMENT**
CHAIR: **Heike Schäfer**, Institute for Landscape Architecture, Leibniz University of Hanover, Germany
- Productive Public Space Systems in Kibera, Nairobi*
Chelina Odbert, Kounkuey Design Initiative (KDI), Los Angeles, USA
- Rehabitar la Montaña, Landslide Risk and Informal Urbanization in Medellín*
Alejandro Echeverri, Urbanism, Director of Urban and Environmental Studies, EAFIT University Medellín, Colombia
- Permanent Residence on a Sinking Ship. The Chiliwung River in Jakarta*
Jörg Rekittke, Landscape Architecture, National University Singapore
- Urban Agriculture Casablanca. Research for the Design of a Multifunctional Green Productive Infrastructure for the Emerging Megacity*
Undine Giseke, Landscape Architecture, TU Berlin, Germany
- RESPONDENT: **Fernando Zapata**, Community Activist, Medellín, Colombia
- 4:30 P.M. COFFEE BREAK
- 5:00 P.M. **CLUSTER 4: WEAVING AND WIRING**
CHAIR: **Claudio Acioly**, Head Capacity Building at UN-Habitat, Geneva, Switzerland
- Bottom-up and Top-Down*
David Sanderson, Urban Disaster, Norwegian University of Science and Technology, Trondheim, Norway and University of New South Wales, Sydney, Australia
- Development Pathways*
Matthias Garschagen, Risk Management & Adaptive Planning Section, United Nations University, Bonn, Germany
- Climate Insurance Initiative*
Koko Warner, Economy, United Nations University, Maastricht, The Netherlands
- A Framework for Rapid Urban Development*
David Gouverneur, Associate Professor of Practice at University of Pennsylvania, Philadelphia, USA
- RESPONDENT: **Rose Molokoane**, Board Member, Slum Dwellers International, Pretoria, South Africa
- 6:30 P.M. DINNER

Wednesday, November 29th, 2017

- 9:00 A.M. KEYNOTE 3
Integrative Risk Design for Everyday Urban Spaces
Miho Mazereeuw, Urbanism, Director of Urban Risk Lab, MIT, Cambridge, MA, USA
- 10:00 A.M. **SYNTHESIS WORKSHOP: CLUSTER 1, 2, 3 AND 4 (BREAK-UP SESSIONS)**
CLUSTER 1; CHAIR: **Jakob Ryhner**
CLUSTER 2; CHAIR: **Michel Matera**
CLUSTER 3; CHAIR: **Heike Schäfer**
CLUSTER 4; CHAIR: **Claudio Acioly**
- 12:00 P.M. LUNCH
- 1:00 P.M. **PLENARY DISCUSSION: DANGEROUS LANDSCAPES DECLARATION**
CHAIR: **Christian Werthmann**
Rapporteurs from the 4 Clusters
- 2:15 P.M. AWARD CEREMONY
Best Lightning Talk and Best Poster
CHAIR: **Jörg Dietrich**
- 2:25 P.M. CLOSING REMARKS
Wilhelm Krull
- 2:30 P.M. END OF CONFERENCE

ORGANIZERS