

# CI-SP

# Critical Infrastructures and Strategic Planning

*Report on Activities*

**ICoE – focal point IREUS, University of Stuttgart,  
with the network partners: United Nations University,  
Bonn; University of Potsdam and KIT in Karlsruhe**

*IRDR Science Committee Meeting, May 2017, Cancun, Mexico*

# Vision & Mission

- The Center of Excellence aims at exploring the resilience of Critical Infrastructures from various perspectives in order to provide a comprehensive platform for this evermore-important topic and to substantially advance the depths and breadths of the currently narrow approaches. In this regard, the analysis of the resilience of Critical Infrastructures, such as energy, water, transport, health services, will not primarily focus on technical details of the respective systems, but rather on cross-cutting and interdisciplinary challenges that are, for example, linked to the identification of interdependencies and cascading risks between Critical Infrastructures ...

# Network Partners involved in the Expert Meeting



- **Prof. Annegret Thieken** /Flood Expert
- Prof. Ortwin Renn / Risk Governance Expert /Sociology
- **Prof. Jakob Rhyner** / UNU-Vice Rector, Director EHS
- Prof. Friedemann Wenzel /Earthquake and Urban Expert
- PD Kunz Plapp / CEDIM Coordinator / KIT

# Activities

- Conduction of an international workshop at the City Hall of Stuttgart with the major and experts from UN-HABITAT, DRR and practitioners from the regional and local planning authority.
- Development and presentation of a teaching module on CI resilience with international partners at DELTARES in Delft.
- Enhancement of strategic cooperation's between ICoEs and SC members, e.g. strategy document (Mark) and joint paper on why we do not learn from lessons learned after disasters (John)
- Development of a joint proposal for a DFG Focal Programme regarding the robustness and resilience of CI
- Publication of a Special Issue on Critical Infrastructures and Strategic Planning in the Journal of Extreme Events (JoEE)

internationale Abkommen, wie die Agenda 2030 mit ihren Nachhaltigkeitszielen sowie die New Urban Agenda auf globaler Ebene? Die erfolgreiche Umsetzung dieser globalen Agenden erfordert ein integriertes Denken und Handeln, das über administrative Grenzen hinweg. Viele Kommunen sind erfolgreich vor der Herausforderung, Lebensqualität und wirtschaftliche Sicherheit für künftige Generationen zu sichern; so auch Stuttgart. Wie kann dies aussehen?

Um Städte nachhaltiger zu gestalten, wird zunehmend die stadtregionale Perspektive eingenommen. Die Entwicklung und Ausgestaltung von Stadtregionen ist Gegenstand der Wissenschaft und Praxis. Die StadtRegion Stuttgart ist eine Ausnahme. Mit der Internationalen Bauausstellung IBA 2027 will sie weltweit ein Zeichen für das Bauen in der Stadt setzen. Wie sieht es im Zeitalter von Digitalisierung, Globalisierung und Klimawandel aus?

Was kann man dabei aus anderen Kontexten lernen? Welche Herausforderungen sehen die Entwicklungsherausforderungen von Metropolitanregionen? Welche Erfahrungen und Governance-Prozesse bedarf es für die Entwicklung effizienter, resilienter und sozial inklusiver Stadtregionen?

Cooperation partners:



DAAD Akademischer Austausch Dienst Academic Exchange Service

Integrated Urban Sustainable Design (IUSD)



Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung



*How do international agreements such as the Agenda 2030 with its 17 sustainability goals and the New Urban Agenda impact the local level? The successful implementation of these global agendas requires integrated thinking and action, within and across administrative boundaries. Thus many municipalities, such as Stuttgart, face the challenge of preserving quality of life and social and economic security for future generations. How can this be successfully implemented?*

*In order to make cities more sustainable, an urban regional perspective becomes increasingly common. Scientific research and practice therefore focus on the emergence and development of urban regions, and so does the city of Stuttgart. With the International Building Exhibition (IBA) 2027, it intends to set a worldwide standard for building, living and working in the age of digitization, globalization and climate change.*

*What can we learn from other contexts? What responses to the challenges of development in metropolitan regions can we adopt from other city regions? What framework conditions and governance processes are required for a resource-efficient, resilient and socially inclusive development of urban regions?*



Universität Stuttgart

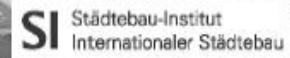
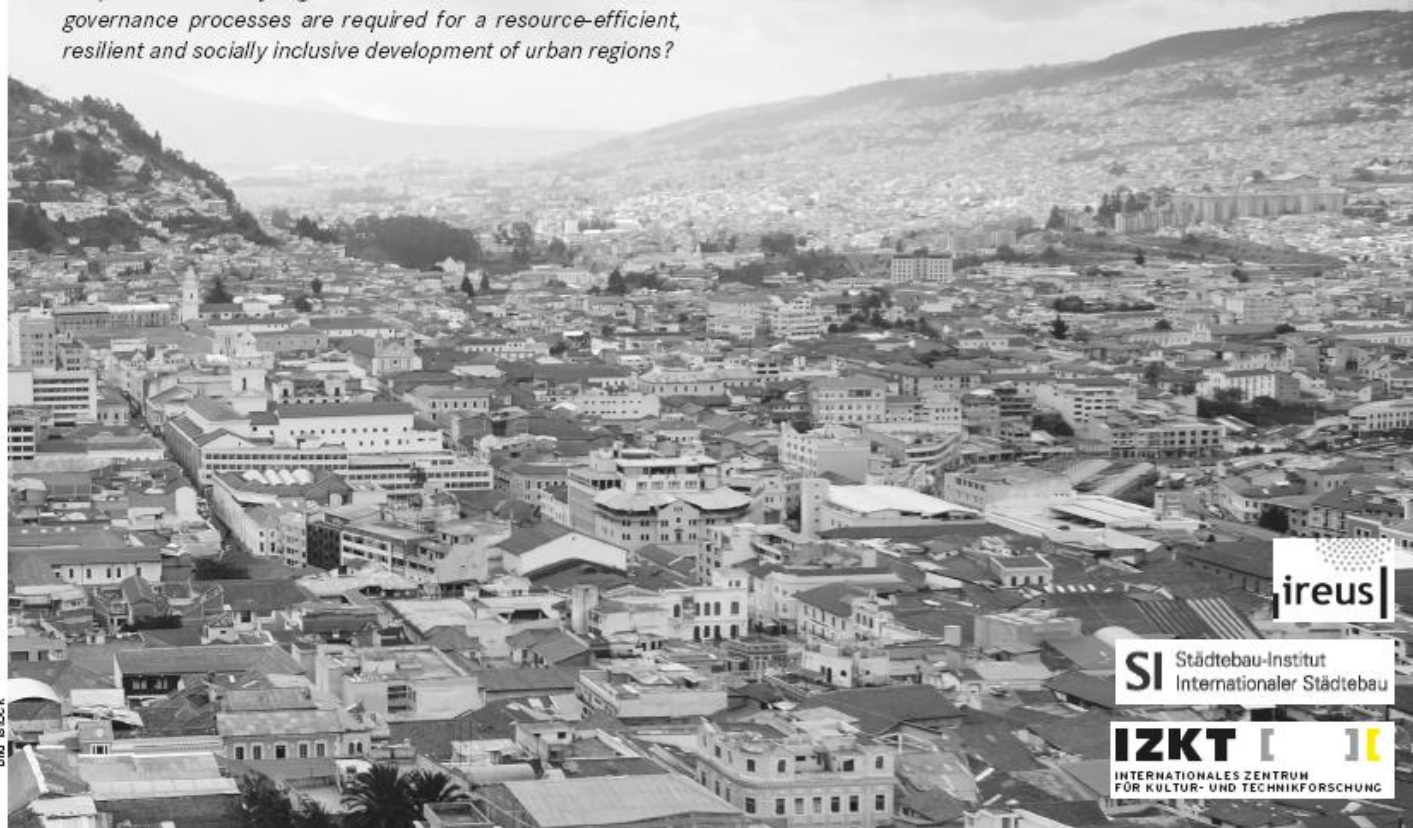
26. April 2017 | 19.00 Uhr

**Nachhaltigkeit in der entgrenzten Stadt – Internationale Perspektiven als Diskussionsbeitrag zur IBA StadtRegion Stuttgart**

26th of April 2017 | 19.00 h

**sustainability in the endless city – International perspectives on the IBA city Region Stuttgart**

Bild: Iscock





## PROGRAMM

19:00

### Grußwort

Birgit Schneider-Bönninger,  
Leiterin des Kulturamts, Stuttgart

19:10

### Willkommen und Einleitung

Astrid Ley / Jörn Birkmann,  
Universität Stuttgart

19:20

### IBA 2027 – StadtRegion Stuttgart

Holger Haas, Wirtschaftsförderung Re-  
gion Stuttgart

19:30

### Keynotes

*Eine globale Perspektive – Lernen aus Er-  
fahrungen anderer Stadtregionen*

**Bach Tan Sinh**, National Institute for  
Science and Technology, Hanoi

**Remy Sietchiping**, Leiter des Referats  
für Stadt- und Regionalplanung, UN-Ha-  
bitat, Nairobi

20:00

### Podiumsdiskussion

*Internationale und lokale Perspektiven: He-  
rausforderungen bei der Förderung nach-  
haltiger, resilienter und integrativer Städte*

**John Handmer**, Royal Melbourne Institu-  
te of Technology, RMIT Australia

**Thomas Kiwitt**, Leitender Technischer  
Direktor, Verband Region Stuttgart

**Remy Sietchiping**, UN-Habitat, Nairobi

**Bach Tan Sinh**, National Institute for Sci-  
ence and Technology, Hanoi

Moderation:

Astrid Ley / Jörn Birkmann,  
Universität Stuttgart

21:00

### Empfang und Ausklang

Unterstützt von *Engagement Global*

## PROGRAM

19:00

### Welcome

Birgit Schneider-Boenninger, Head of the  
Department of Cultural Affairs, Stuttgart

19:10

### Welcome and introduction

Astrid Ley / Joern Birkmann,  
University of Stuttgart

19:20

### IBA 2027 – StadtRegion Stuttgart

Holger Haas, Stuttgart Region Economic  
Development Corporation

19:30

### Keynotes

*A global perspective – learning from  
experiences in other urban regions*

**Bach Tan Sinh**, National Institute for  
Science and Technology, Hanoi

**Remy Sietchiping**, Head of the Re-  
gional and Metropolitan Planning Unit,  
UN-Habitat, Nairobi

20:00

### Panel Discussion

*International and local perspectives:  
challenges to promote sustainable,  
resilient and inclusive cities*

**John Handmer**, Royal Melbourne Ins-  
titute of Technology, RMIT Australia

**Thomas Kiwitt**, Technical Director,  
Stuttgart Region

**Remy Sietchiping**, UN-Habitat,  
Nairobi

**Bach Tan Sinh**, National Institute for  
Science and Technology, Hanoi

Moderation:

Astrid Ley / Joern Birkmann,  
University of Stuttgart

21:00

### Reception

Sponsored by *Engagement Global*

**Contact:**

si.uni.stuttgart.rp@gmail.com

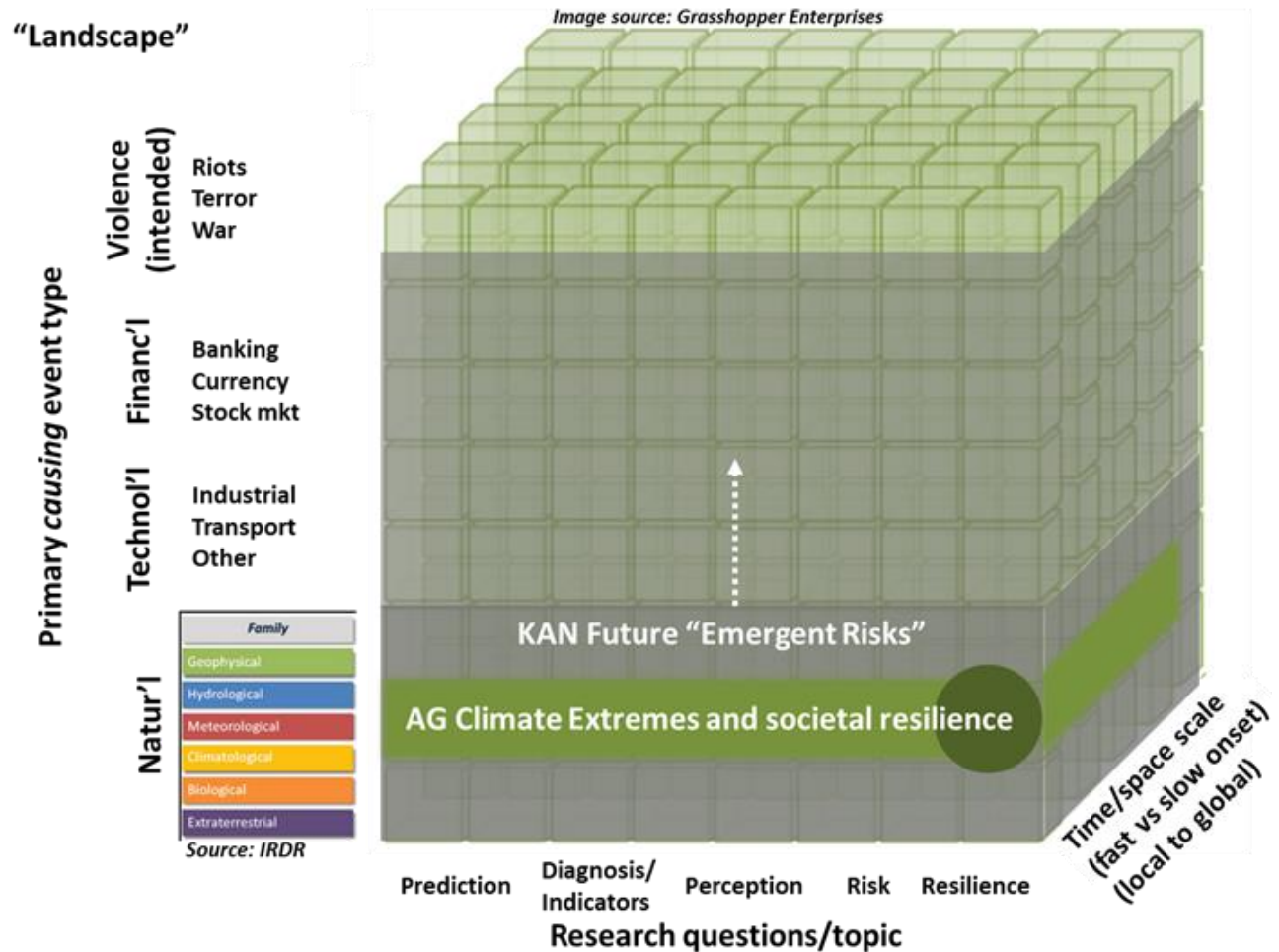
Die Anerkennung als Fortbildung sei-  
tens der Architektenkammer Ba-Wü  
wurde beantragt.

# Activities

- Development of a proposal for a new research theme on critical infrastructure failures/security and its impacts on DRR and CCA together with Jakob Rhyner for the Federal Ministry of Education and Research

# Activities

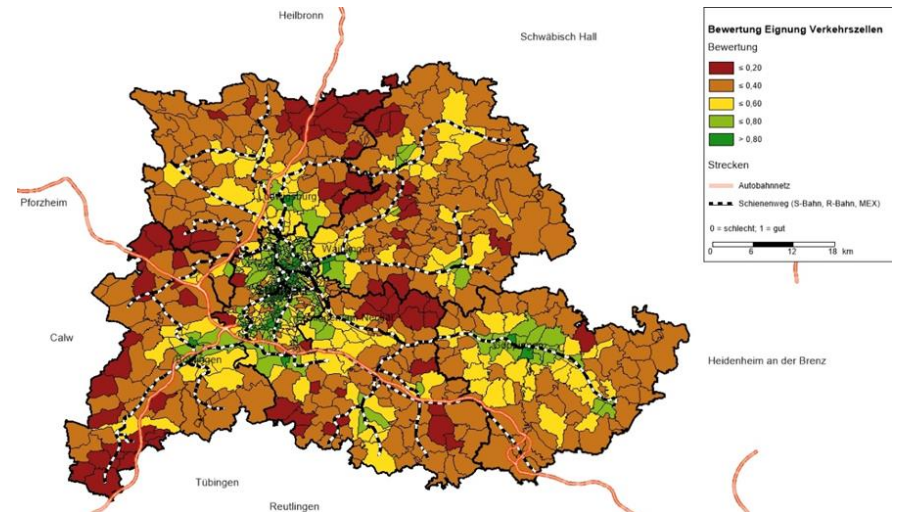
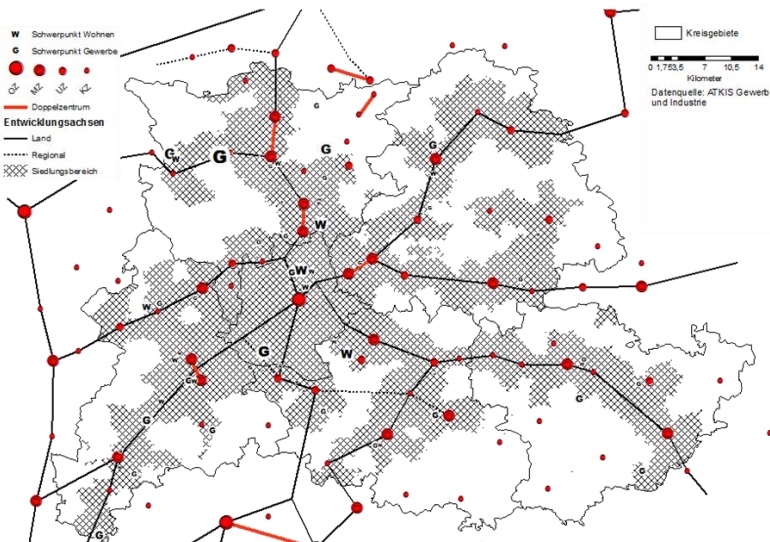
- Participation in the discussion of a proposal for a KAN and Expert Group on Societal Resilience and Climate Extremes





# Planned Activities in the next months

- Analysis of the different options to strengthen CI resilience through strategic planning at the regional level – joint project with the Region of Stuttgart



# Planned Activities in the next months

- Definition of concrete activities for the cooperation between the ICoEs
- Submission of the research letter to BMBF
- Analysis of the different options to strengthen CI resilience through strategic planning at the regional level – joint project with the Region of Stuttgart
- Application of the new teaching module on CI in courses in Stuttgart and in other universities in different disciplines.

# Thanks

Univ. Prof. Dr.-Ing. Jörn BIRKMANN  
Director  
Institute of Spatial and Regional Planning  
University of Stuttgart  
Pfaffenwaldring 7  
70569 Stuttgart  
GERMANY  
Phone: ++ 49 (0)711 685-66333  
Fax: ++ 49 (0)711 685-66965  
[www.uni-stuttgart.de/ireus](http://www.uni-stuttgart.de/ireus)  
[Joern.birkmann@ireus.uni-stuttgart.de](mailto:Joern.birkmann@ireus.uni-stuttgart.de)

**<http://www.uni-stuttgart.de/ireus/news/news20150721.html>**