



Institut für Raumordnung und Entwicklungsplanung Universität Stuttgart

IRDR - International Center of Excellence in Germany

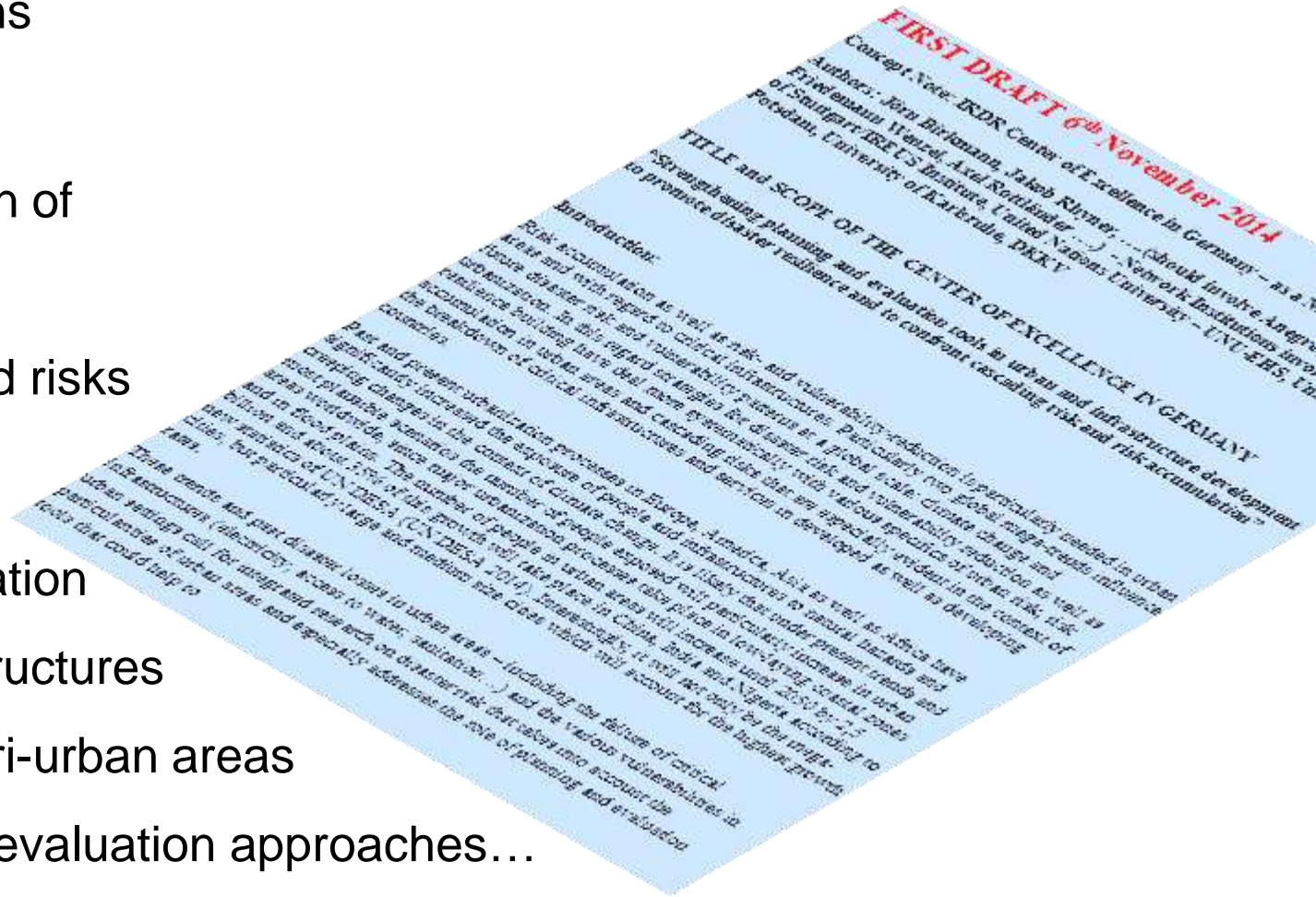
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Introduction

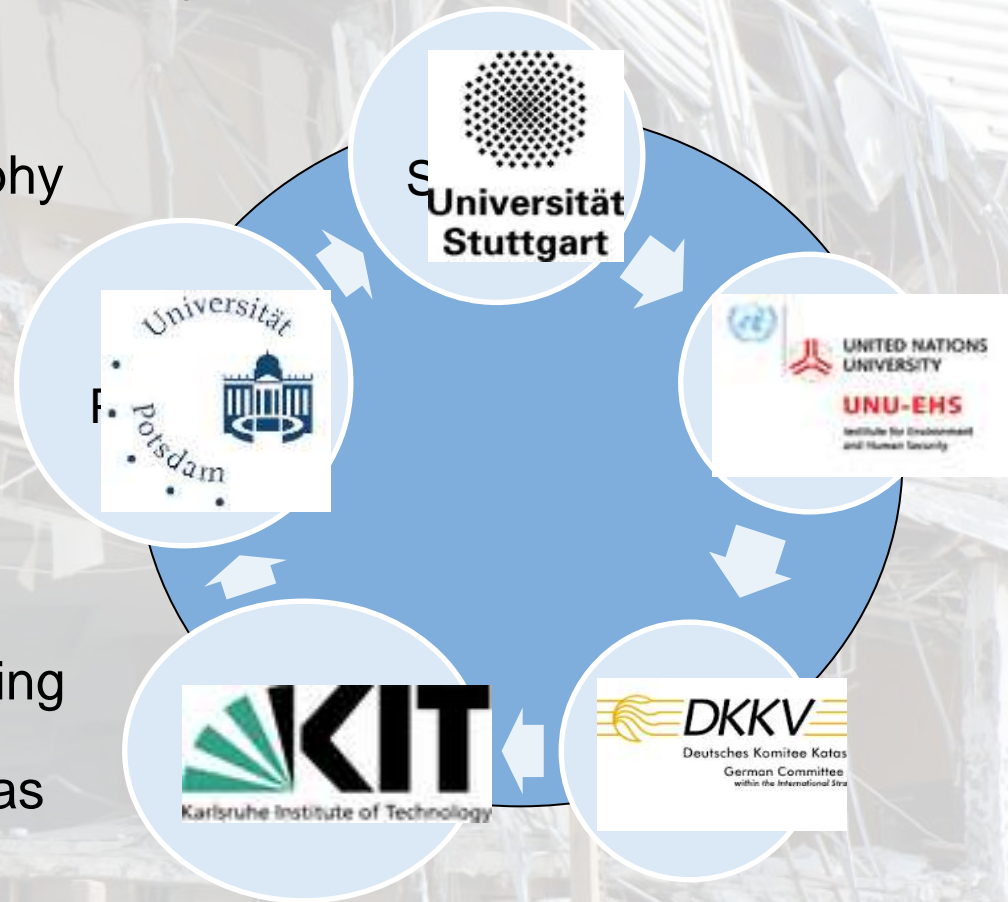
- Interest to develop ICoE in Germany as a network of 4-5 institutions
- Main Link to:
 - Characterization of hazards,
 - vulnerability and risks
- Special focus:
 - A) Risk accumulation
 - B) Critical infrastructures
 - C) Urban and peri-urban areas
 - D) Planning and evaluation approaches...



Institutions involved in Germany:

CORE Competences:

- Social-Science; Geography
- Spatial/Urban Planning
- Ingeniengineering
- Vulnerability & Risk Ass.
- Critical Infrastructures
- Lessons Learned - flooding
- Urban & Peri-Urban Areas



Background / Context

- Two mega-trends will modify disaster risk, vulnerability profiles and exposure patterns:
 - a) climate change and b) urbanization processes
 - Experiences with flooding and failures of CI
- **Aim of the ICoE in Germany:**
 - Network – improve the exchange and knowledge; develop joint funding strategies/proposals
 - Funding for Future Earth Secretariat has not been made in „D“
 - Focus on the question: **„how to improve planning and evaluation approaches in urban and infrastructure development to account for risk accumulation and vulnerability, e.g. with regard to CI“**



Potential Research Questions

- How to operationalize the concept of risk, vulnerability and resilience for different urban environments, planning processes and for critical infrastructures?
- Which urbanization & planning processes increase risk and which might also offer options for risk reduction?
- How does the increasing dependency of people on critical infrastructure services influence vulnerability and risk profiles?
- How do newer international guidelines, e.g. of the European Union or other international organizations, influence the consideration of disaster risk in urban- and spatial-planning as well as infrastructure design and management?

Potential Joint Products of the ICoE in Germany



Joint Working Paper Series – encompassing social and natural science as well as engineering perspectives and knowledge

- Joint Expert Workshops – 2 Workshops per year
- Joint high impact publications in peer-reviewed journals
- Joint Research Network, PhD students – e.g. Graduate school of DFG or BMBF Funding necessary / intended
- Development of course and teaching material for different courses at university level – especially with the partners of the core network and additional partners worldwide – e.g. link to other ICoE on specific topics
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OPEN QUESTIONS

1. How to ensure that synergies are going to be developed and that we move beyond the activities of one university or partner?
2. How to generate additional funding for an ICoE in Germany as a network?
3. Is Rüdiger still in the position to support us when targeting different ministries and DFG for funding for an IRDR ICoE in Germany?
4. What are specific actions that can underscore the added value of being part of an IRDR ICoE for a national university?

Next Steps

- 19th of November 2014 - meeting with some core members and Rüdiger planned in Frankfurt
- Further development of the concept paper and more intensive discussion with partners of the core network
- Identify a date where partners with Rüdiger would visit German Funding Agencies
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**Overall,
there is a high interest to get an ICoE in Germany
established as a network within the next 12 month!**



Quelle: William Hogarth – A midway modern conversation (1697-1764)