

# IRG-PROJECT

[Integrated Risk Governance Project]

IRG-Project Beijing Office

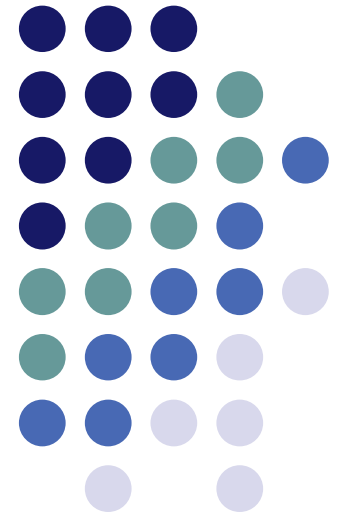
Qian Ye

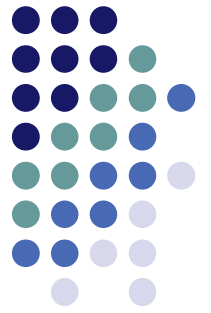
Beijing Normal University

IRG-Project Potsdam Office

Elke Henning

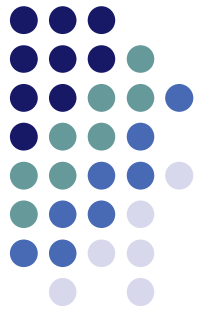
Potsdam Institute for Climate Impact Research





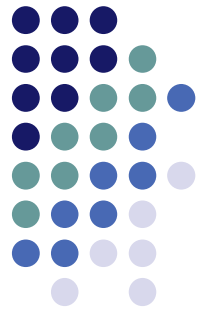
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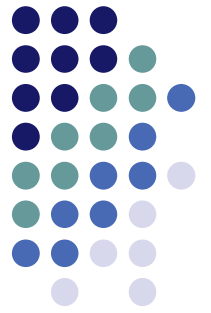
# Milestones

- 2009. The science plan approved and IRG Project as IHDP pilot project
- 2010. IRG-Project formally approved as IHDP core project



# 1. Objective (I)

- We propose a ten-year international effort in risk research to learn how to deal with **risks that exceed current coping capacities**.
- We will study risk occurrences as events in the dynamics of **socio-ecological systems**.
- We will focus on the **entry transitions** by which a given socio-ecological system switches into emergency or crisis mode, and the **exit transitions** by which the system switches back from emergency or crisis mode to a normal mode.



# 1. Objective (II)

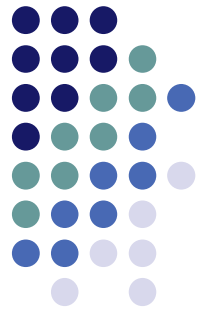
- We are especially interested in cases where the system switches back into a **different normality** than the one it had before the crisis.
- We are particularly interested in systems in which the system's **resilience** increased after a switch back and future risks are reduced as a result of social learning.

## 2. Mission



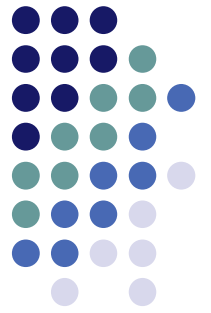
- We aim at **improving the governance** of new risks that exceed current human coping capacities, by focusing on the **transitions in and out** of the occurrence of relevant risks.
- We are convinced that there is a need for **new insights** in the field of risk analysis, and that these insights will include conceptual and theoretical advances.
- We have the firm intention to orient our research on the **practical needs** of risk governance.

# 3. Vision



- Achieving advances in risk research by focusing on a specific phenomenon through a series of **comparative case studies**.
- Developing a **research network** with creative potential by emphasizing work in small groups based on guided self organization, and by consciously **mixing people with very different backgrounds**:
  - senior and young researchers
  - developing and developed countries
  - policy makers and practitioners

# 4. Core Team and Network (I)



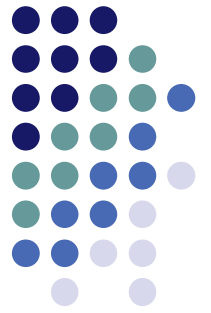
- **Core Team:**
  - **Head:** Prof. Peijun Shi, Prof. Carlo C. Jaeger (Co-Chair)
  - **IPO China/Germany:** Dr. Qian Ye, Elke Henning

The IPO in China is hosted by the **Beijing Normal University**

The IPO in Germany is hosted by the **Potsdam Institute for Climate Impact Research (PIK)** and supported by the **European Climate Forum (ECF)**



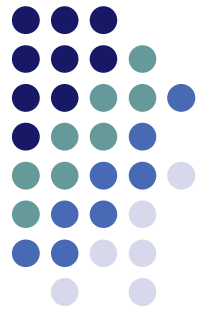
# 4. Core Team and Network (II)



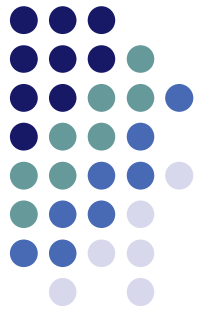
- **Network**

- International Human Dimensions Programme on Global Environmental Change (IHDP)
- GSDP - Global Systems Dynamics and Policy

# 5. Case Studies

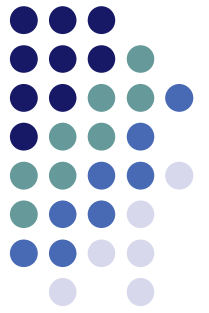


- Disaster risk reduction learning and planning:  
The case of the Spanish Tous dam-break of 1982
- The European heat-wave of 2003
- The global financial crisis of 2007/2008
- The ice storm in Southern China of early 2008
- The 2008 Wenchuan (China) earthquake
- The Loveparade of 2010 in Duisburg, Germany



## 6. Achievements (I)

- **Latest conference:**
  - **Integrated Risk Governance in the Mediterranean Region: Climate Change, Democracy, and Growth.**  
A conference organized by the European Climate Forum (ECF) on behalf of the CIRCE project and the GSDP network (April 28-29, 2011)
  - **IRG-Project Inauguration** (May 10-11, 2011)



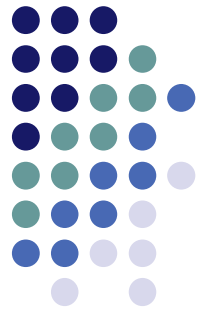
## 6. Achievements (II)

- **Selected recent publications:**
  - **Risk, Rationality, and Resilience** (Carlo Jaeger)
  - **Assessing the role of vertical and horizontal communication in disaster risk reduction learning and planning: The case of the Spanish Tous dam-break, 1982** (Anna Serra, J. David Tàbara, Ilan Chabay)
  - **Avoiding the Avoidable. Towards A European Heat Waves Risk Governance** (Wiebke Lass, Jochen Hinkel, Armin Haas, Jochen Hinkel, Carlo Jaeger)
  - International Journal of Disaster Risk Sciences



## 6. Achievements (III)

- **Connected projects in Europe**
  - **GSDP** - Global Systems Dynamics and Policy, an European Commission (FP7) funded Project
  - **CIRCE** - Climate Change in the Mediterranean, an European Commission (FP6) funded Project

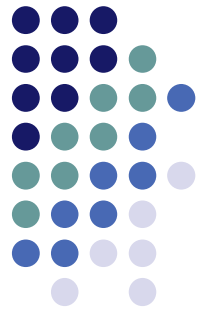


# 6. Achievements (III)

## Connected projects in China

- Model and Modeling (2.3M RMB)
- Sino-African Cooperation (2.2M RMB)
- Proposal Preparing
  - BNU-CSU on “One Health” (NSFs: China and USA)
  - BNU on Risk Governance (MOST, China)
  - NTU, BNU and MU (MOST, China and Singapore)
- New Initiatives
  - IHDP “African Initiatives”

# 7. Goals for 2011 and Beyond



- Expand the network
- Structure the IRG-Project regional offices
  - Mekelle/Ethiopia
  - Potsdam/Germany
  - Beijing/China
  - Colorado/USA
  - Singapore/Malaysia
- Develop further case studies
- Finalize the IRG-Project SSC
- Further develop ideas such as combining the theory of entry and exit transition with the role changing norms play in events
- Organize relevant workshops to further strengthen the cooperation between single researchers