



北京師範大學  
BEIJING NORMAL UNIVERSITY



北京師範大學  
Beijing Normal University  
地表过程与资源生态国家重点实验室  
State Key Laboratory of Earth Surface Processes and Resource Ecology

# 2011年夏季风险与灾害高级研讨班 灾害，风险，综合防范

2011 Summer Institute for Advanced  
Study of Disaster and Risk  
Disaster, Risk, and Integrated Governance

# First ANNOUNCEMENT



北京师范大学  
灾害与风险科学基地  
Hazard and Risk Science Base at Beijing Normal University

高等学校学科创新引智计划（111计划）- 北京师范大学灾害与风险科学基地  
The Programme of Introducing Talents of Discipline to Universities (111 Project)  
- Hazard and Risk Science Base at Beijing Normal University

**IRG-PrOJECT**  
[Integrated Risk Governance Project]

国际全球环境变化人文因素计划-综合风险防范核心科学计划（IHDP-IRG）  
International Human Dimensions Programme on Global Environmental Change  
- Integrated Risk Governance (IHDP- IRG)



# About the Summer Institute

## The 111 Project/HRSB

Initiated in 2005 by the Ministry of Education, together with the State Administration of Foreign Experts Affairs, the "Expertise-Introduction Project for Disciplinary Innovation of Universities," also known as the '111 Project' in China, is a national programme that aims to draw 'about 1000 leading overseas scholars and researchers' from the 'top 100 world leading universities and research institutes' to build '100 innovative bases for disciplinary development and research' in China (1000-100-100, thus the nickname '111 project'). The "Hazard and Risk Science Base (HRSB)" at the Beijing Normal University is one of such 111 projects, started in January 2008 and will conclude its first five-year phase in 2012. The series of summer institute for advanced study of disaster and risk is an integral part and a core capacity building activity of the Hazard and Risk Science Base at Beijing Normal University.

Read more: <http://www.espre.cn/111>

## The IHDP/IRG-Project

The issues of integrated risk management and governance is ever more challenging today as we live in an increasingly globalized world with rapid global environmental change. With the realization of the emerging challenges to global risk community and the urgency brought about by the increasing frequency of large scale risks that exceed the existing coping capacity of social-ecological systems, the IHDP/IRG-Project was initiated by the China National Committee for IHDP (CNC-IHDP), supported by the Ministry of Science and Technology of the People's Republic of China, and approved by the International Human Dimensions Programme on Global Environmental Change (IHDP) as a new core science project. The IHDP/IRG-Project is envisioned as a ten-year international effort in risk research to learn how to deal with risks that exceed current coping capacities. Among its main outcomes, professional education and advanced training are listed with high priority.

Read more: <http://www.irg-project.org>

## The Summer Institute Series for Advanced Study of Disaster and Risk

The Summer Institute series is implemented in collaboration between the 111 Project/HRSB at Beijing Normal University and the IHDP/IRG-Project. Starting summer 2009, three consecutive summer institutes are to be organized (2009-2011), covering a different thematic focus each year in addition to the essentials in the field of hazard and risk study. The primary goal is to attract and train young scholars who have both background and strong interest in the field of hazard and risk study, and through which, to improve and strengthen education, research, as well as international communication and cooperation capacity in China in the field of disaster and risk sciences. In the long-term, the summer institutes seek contribution to laying a solid foundation for a state-of-the-art hazard and risk science base in China. For reference, detailed information for the 2009 and 2010 summer institutes are available at <http://www.espre.cn/111>

## Our Approach

By bringing together a group of highly motivated earlier career your professionals and a small group of internationally renowned faculty, the summer institute seeks to establish a framework of intensive collaborative learning and mutual exchange through a combined activities of plenary lecture, focused working groups, as well as informal roundtable discussions. In addition cultural activities are arranged to further facilitate and enable participants to build connections and networks for future collaborative research.



Group photo (2009SI)



Group photo (2010SI)

## The 2011 Summer Institute: Disaster, Risk, and Integrated Governance

The 2011 Summer Institute is the third of the summer institute series, organized by the State Key Laboratory of Earth Surface Processes and Resource Ecology at Beijing Normal University, the Academy of Disaster Reduction and Emergency Management of the Ministry of Civil Affairs and the Ministry of Education, and the Key Laboratory of Environmental Change and Natural Disaster of the Ministry of Education of China. In addition to the essential theory and concept in hazard, disaster and risk studies, the focal theme for the 2011 Summer Institute is integrated risk governance. Distinguished experts and researchers in the field of hazard and risk, as well as integrated risk governance research are invited to lecture and work with the participants during the two-week course of the summer institute.

### Preliminary Plenary Lecture Structure

#### Week One (August 1-5): the Essentials

- Overview of Disaster/Risk Field: Essentials
- Natural hazard and disaster: trends, lessons and needs
- Uncertainty and deep uncertainty analysis
- Economic approach, engineering approach, causal structure
- Risk perception: overview and progress
- Societal response to risk: SAAR framework
- Risk communication: from local to global
- Vulnerability Analysis
- Resilience of coupled social-ecological systems
- Resilience and sustainability assessment

#### Week Two (August 8-12): Integrated Risk Governance

- Emerging risks in the 21st century: challenges and knowledge gap
- Closing science and policy gap
- Stakeholder engagement
- Critical transition and lock-in risks
- Resilience, adaptability, transformability
- Risk and economics: disaster financing and insurance
- Integrated regional natural disaster system
- Large scale disasters: comparative cases
- IRG-Project: the Entry and Exit dynamics
- Risk governance challenges in China

#### Core faculties Invited

- David Alexander, University of Florence, Italia
- Carlo Jaeger, Potsdam Institute for Climate Impact Research, German
- Roger Kasperson, Clark University, USA
- Nick Pigeon, Cardiff University, UK
- Otwin Renn, University of Stuttgart, Germany
- Peijun Shi, Beijing Normal University, China
- Brian Walker, Commonwealth Scientific and Industrial Research Organisation, Australia



Lecture by Roger Kasperson (2010 SI)



Lecture by Paul Slovic (2009 SI)



Lecture by Carlo Jaeger (2010 SI)

# Qualification and Application

## Who can apply?

The Summer Institute is designed primarily for junior faculty and young researchers, post-docs and advanced doctoral students, who have shown strong interests and possessed certain experience in the hazard and risk area. Excellent oral and written communication skills in English are required. The application is open to public and the admissions are based on individual's qualification. While the primary targets are applicants from China, the application is also open for international applicants. The total number of participants expected is around 30, with about 20 from China and 10 internationally.

## Scholarship and Financial Support

Partial financial supports as scholarship are provided to all accepted participants. For participants from China, domestic travel cost and accommodation are covered by the summer institute. For international participants, the summer institute offers free accommodation and partial support for international travel with a fixed amount of "travel scholarship award" up to \$800, depending on the region-from and anticipated travel cost.

## Summer Institute Language

English

## Location

Beijing Normal University

## Registration Fee

No registration fee for all accepted participants.

## How to apply?

To apply, please complete the attached application form, which is also available for download at the website of Hazard and Risk Science Base at Beijing Normal University (<http://www.espre.cn/111/summerinstitute.asp>), and submit your application to Dr. Juan Du at [bnu.111.irg@gmail.com](mailto:bnu.111.irg@gmail.com).

- For international applicants, the deadline for application is 15 May 2011; and decision will be informed by the end of May.
- For applicants from China, the deadline for application is 15 June 2011; and decision will be informed by the end of June.



Information discussion (2009 SI)



Graduation ceremony (2009 SI)

# Contacts

For all questions concerning the 2011 Summer Institute for Advanced Study of Disaster and Risk at Beijing Normal University, please contact:

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## Relevant Information

- The Programme of Introducing Talents of Discipline to Universities (111 Project) <http://www.safea.gov.cn/content.php?id=12743093>
- Hazard and Risk Science Base at Beijing Normal University: <http://www.espre.cn/111/index.asp>
- International Human Dimensions Programme on Global Environmental Change - Integrated Risk Governance: <http://www.irg-project.org/>