



# **IRDR-ICoE, Taipei**

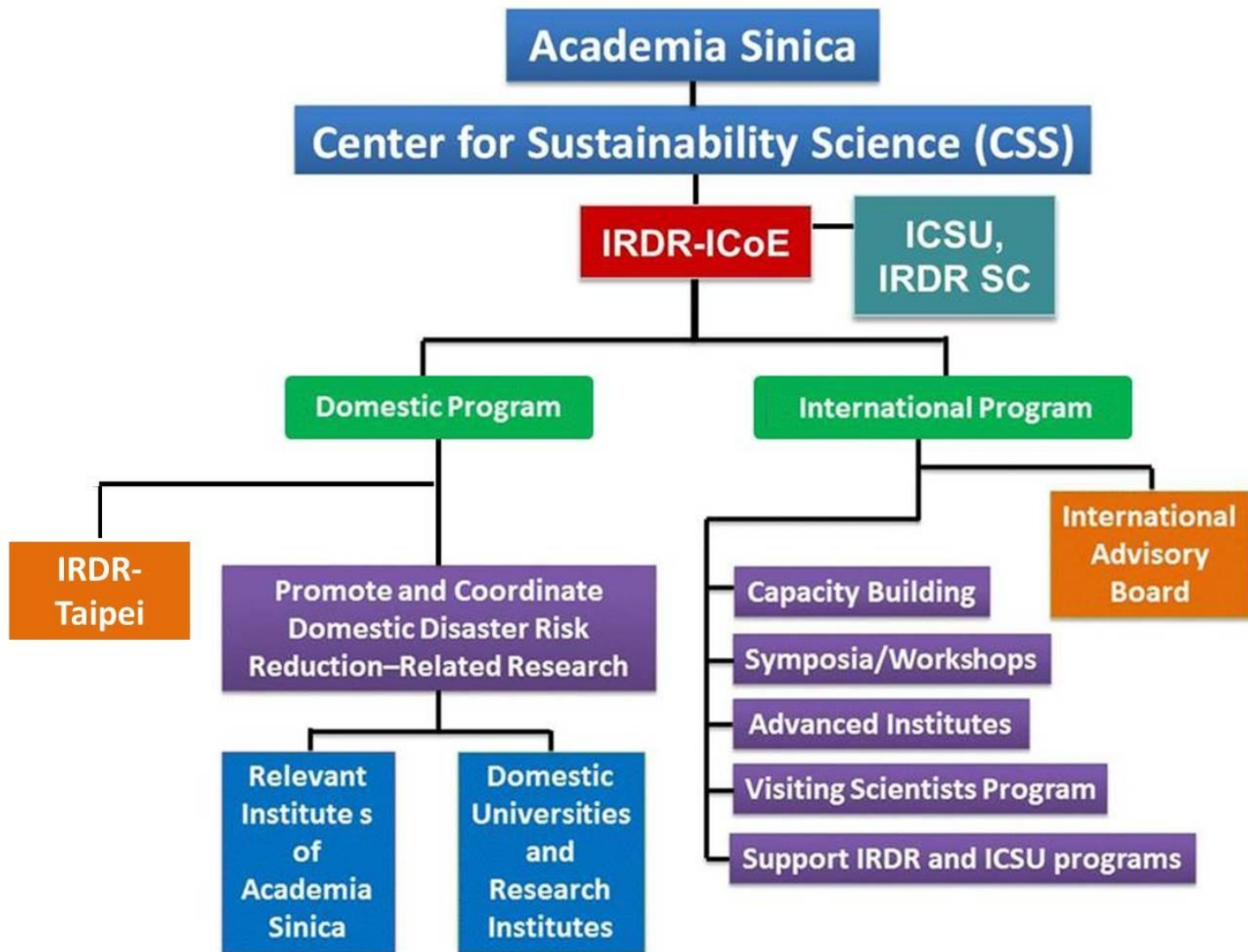
## **2014 Activities Report**

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# Presentation Outline

- IRDR-ICoE Mission and Organization
- ICoE Activities
  - International Program
  - Domestic Program
- Future International Activities





# IRDR-ICoE, Taipei International Program



# Advanced Institute Forensic Investigation of Disasters II (FORIN II)

➤ The first Advanced Institute on FORIN was conducted in **March 2012**.



➤ The AI on **FORIN II** was originally planned for **October 2014** in Taipei. However, because the FORIN framework and guidelines are currently being revised by the **IRDR Science Committee (FORIN Project)**, it was decided that the AI on **FORIN II** will be postponed until the revised guidelines are published by the **IRDR** in 2015.



# Workshop on Psychological Intervention after Disasters (PIAD)

- The PIAD workshops are planned to be held in China, **Taipei**, Kuala Lumpur, and Yokohama, from 2014 to 2017.
- The first PIAD Workshop will be held on **December 8-11, 2014** in **Mianyang, China**
- The PIAD Workshop is organized by IUPsyS with the support of **ICoE**, ICSU-ROAP, the Chinese Psychological Society, United Nations University, and Center for Applied Developmental Science
- This workshop is intended for researchers, educators, and practitioners from the **Asia-Pacific region**, who have an academic background primarily in psychology, and who are interested and experienced in work on disasters.
- Professor **Sue-Huei Chen** of the **National Taiwan University** will share her experience in psychological intervention after **Chi-Chi earthquake and Morakot typhoon** during the workshop.



# Advanced Institute Disaster Risk and Loss Reduction

- This 5-day Advanced Institute will provide 15-20 young to mid-career researchers and practitioners from Southeast Asia with **practical and effective approaches to reduce risk and losses** through engineering and socio-economic sciences.
- **The major topics/case studies** to be covered include flood and earthquake risk reduction, early warning technology, vulnerability assessment, disaster preparedness, recovery and reconstruction after disasters.
- This Advanced Institute will be held on **March 30-April 3, 2015** in Taipei. The **“Call for Applications”** will be issued in December 2014.



# WSS Seminar on Sustainable Urbanization

- This WSS seminar, co-sponsored and organized by ISSC, National Taipei University, and **ICoE Taipei**, was held **2-8 Nov 2014** at Academia Sinica in Taipei. This seminar were attended by **18 early career social scientists from 14 countries**.
- The seminar combined an interactive workshop approach with the round table discussions on aspects of sustainable urbanization.
- **Dr. Rudiger Kline presented** a talk on "Managing disaster risk to strengthen resilient municipalities - approaches under the global IRDR programme."







# Pan-Asia Risk Reduction (PARR) Fellowship Program

- The PARR offers unique research, training, and educational opportunities to **Asian scientists, practitioners, and policy-makers** to enhance their capabilities for advancing and applying knowledge on critical issues of vulnerability and risk in the **Asia-Pacific regions**.
- PARR Core Partners include START, Oscar M. Lopez Center (Manila), Kyoto University, **ICoE Taipei**, Manila Observatory (Philippines), Asia-Pacific Network for Global Change Research (APN), and Thammasat University (Thailand).
- PARR Fellows receive grants to visit Host Institute (e.g., **NCDR in Taiwan**) where they collaborate with mentors
- The Pilot Program is scheduled from **July - December 2014** with the initial focus on **urban disaster risk and vulnerability under global environmental change**.
- Four PARR Fellows are being trained/studied at **NCDR in Taiwan**.



## Research Seed Grants to WSS Fellows

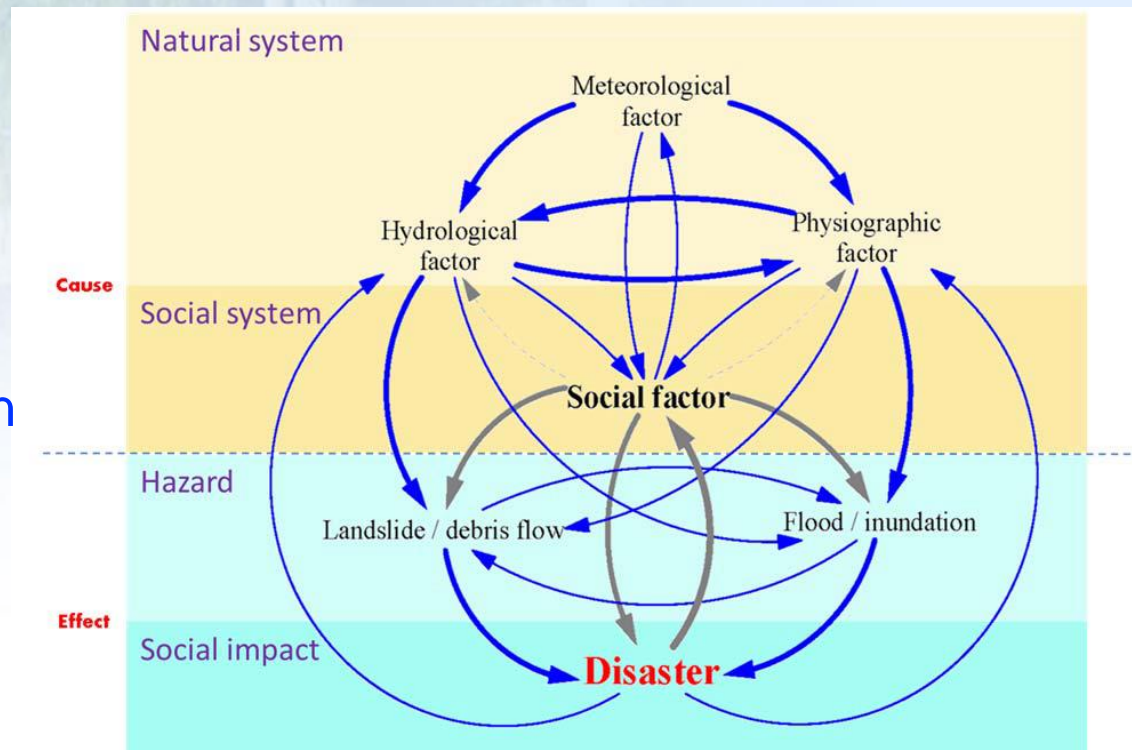
- Six research proposals were received in **February 2014** from the Fellows of the 2013 WSS Seminar on “Decision-making under conditions of uncertainty.” These research proposals were reviewed by **David Johnston, Dick Eiser, ICoE Taipei, ISSC, and START staff**
- In March 2014, **ICoE Taipei** approved four follow-on research proposals and provided **research seed grants** (\$15,000 USD each) to these four research proposals.
- All research projects are underway and to be completed by **December 2014**.
- **ISSC** also funded several WSS Fellows to attend the **IRDR Conference** in Beijing in **June 2014**



# Forensic Investigation of Typhoon Morakot Disaster

- **ICoE/NCDR** published a 37-page FORIN report on “Forensic Investigation of Typhoon Morakot Disaster: Nansalu and Daniao Village Case Study” on **May 2014**. Both the digital and hard copies of the report were provided to SC/IPO for information.
- This study explores the root causes of the Typhoon Morakot disaster based on the FORIN methodology, so as to learn from experiences of past disaster and disaster resilience.

Cause and Effect Interaction





# Scientific Advisory Board Meeting (1/2)

- The annual **ICoE SAB** meeting, chaired by **Gordon McBean**, was held on 20 Oct 2014 at Academia Sinica.
- In addition to the SAB members and guests, three IRDR SC leadership (**David Johnston, Kuniyoshi Takeuchi, and Rudigre Klein**) were in attendance.





# Scientific Advisory Board Meeting (2/2)

- In addition to reviewing the ICoE 2014 activities, the **strategic directions and longer-term activities** were presented.
  - Potential **capacity building** programs for the next 5 years (2015-2020)
  - **Collaborative research areas** on IRDR-related research with international and domestic research institutions
  - **Visiting scientists program** and **exchange scholars** between research institutions
  - Proactively engage in **partnership networks** of disaster risk reduction and risk management with relevant international research institutions



# IRDR-ICoE, Taipei Domestic Program



# Domestic Program

- Continue to promote and coordinate **domestic IRDR-related research projects**:
  - Mega-seismic risk and multi-geological disasters in Taiwan
  - Impact of Climate and Land Use Change on Environmental Hazards and Adaptation
  - Vulnerability Assessment for Heat Wave and Relevant Adaptation Strategy Recommendations
  - Open ISDM: Open Information Systems for Disaster Management

- For more information, please visit:

<http://www.cfss.sinica.edu.tw/projects.html>



# Future International Activities





# Future International Activities

- Planned **capacity building activities** for 2015
  - Workshop on Psychological Intervention after Disasters
  - Advanced Institute on Disaster Risk and Loss Reduction
  - Advanced Institute on FORIN II
  - Training workshop on System Approach to Management of Disasters
  - PARR fellowship program
- Continue to support **visiting scientists programs**
- Continue to participate in **SC Flagship Project** and the IRDR-related international scientific activities.
- Continue to support **IRDR and ICSU Programs** (e.g., **Future Earth**)



# THANK YOU

<http://irdr-icoe.sinica.edu.tw>