



# IRDR-ICoE, Taipei 2013 Activities Report

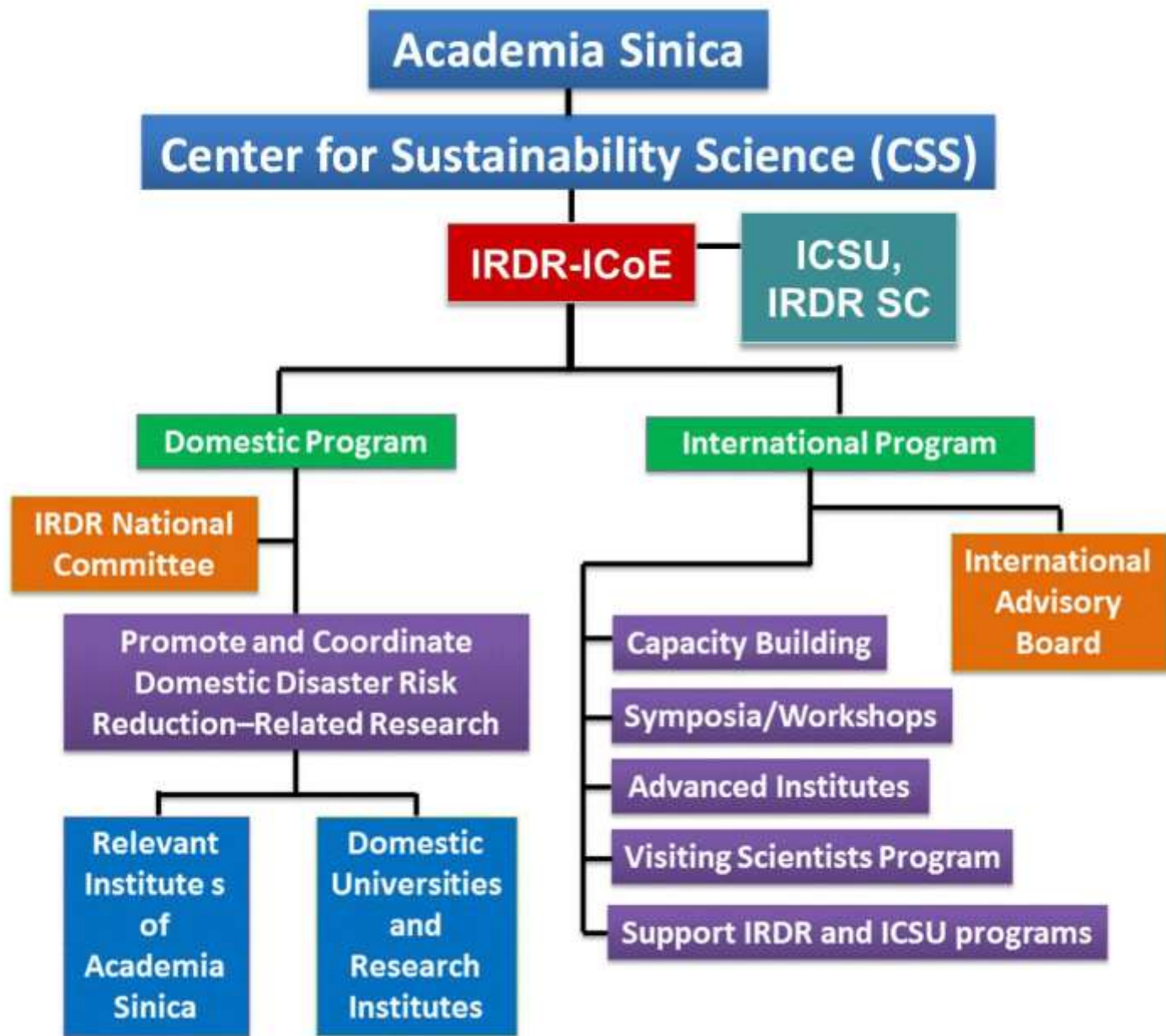
Dr. Tony C. Liu  
14 November 2013





# Presentation Outline

- IRDR-ICoE Mission
- 2013 ICoE Activities
  - International Program
  - Domestic Program
- ICoE Future Plan





# International Program (1/7)

- Conducted an **International Young-Scientists Conference** on IRDR, Future Earth and Sustainability, Oct 22-24, 2013

Participated by 42 young scientists (under 35 years of age) from 11 countries

International  
**YOUNG SCIENTISTS' CONFERENCE**  
on Integrated Research on Disaster Risk,  
Future Earth & Sustainability



22 - 24 October 2013  
IRDR International Center of Excellence - Taipei  
Academia Sinica, Taiwan







# International Program (2/7)

- YSC Program
  - Keynote Address: Gordon McBean
  - 32 presentations
    - Flood Vulnerability & Adaptive Capacity
    - Climate Change Adaptation
    - Ecosystem & Urban Changes
    - Sustainable Livelihoods
    - Earthquakes
    - Risk Assessment
    - Disaster Management
    - Community-Based Disaster Management
  - 10 Poster sessions



# International Program (4/7)

- **Co-sponsor** the World Social Science Seminar, “Decision-making under conditions of uncertainty,” Dec. 7-15, 2013 in New Zealand
  - **Co-sponsors:** ISSC, **IRDR-ICoE**, IRDR RIA working Group, START, and Royal Society of New Zealand
  - **Objective:** Participants will explore how the RIA conceptual framework for response to natural hazards can be integrated across disciplines and cultural contexts.
  - **Participants:** 25 Fellows from 18 countries were selected from 109 applications from around the world



# International Program (5/7)

- Developed a draft multi-year research proposal on **IRDR in Southeast Asia: A Trans-boundary Research and Capacity Building Program** (NCDR and START)
  - **Strengthening high-quality IRDR-pertinent research** in the Southeast Asia
  - **Enhancing research capacity**, including human resource enhancement and institutional strengthening and collaboration
  - Ensuring that there is a **policy impact**



# International Program (6/7)

- Developed a report on “**Forensic Investigation of Typhoon Morakot, Taiwan**” (NCDR)
  - Completed Chinese-version of the FORIN report
  - Completed 95% of the English-version of the report
- Supported a Visiting Scientists program
  - Dr. Kuan-Hui Lin, Clark University, Worcester, Massachusetts, March 2013-Feb 2014
- Developed a Proposed new IRDR Project on **Disaster Risk Reduction and Loss Mitigation**





# International Program (7/7)

- Conducted the annual **International Advisory Board (IAB) meeting** on 25 Oct 2013

## – Agenda Items

- IRDR-ICoE 2013 Annual Report
- ICoE Scientific Activities
- Future Advanced Institutes and Activities
- Visiting Scientists and Research Fellows Program
- Strategic Directions and Long-term Activities
- IAB Membership





# Domestic Program

- **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
  - Open ISDM: Open Information Systems for Disaster Management
  - Vulnerability Assessment for Heat Wave and Relevant Adaptation Strategy Recommendations
- **Continue to promote and coordinate** domestic DRR related science and technology activities



# Future Plan (1/2)

- Plan to host **3 Advanced Institutes in 2014**
  - Psychological Intervention after Disasters
  - Forensic Investigation of Disasters (II)
  - Disaster Risk Reduction and Loss Mitigation
- Plan to co-sponsor a WSS seminar in **sustainable urbanization series** in Taiwan in September 2014
- Continue to support **visiting scientists and research fellows program**
  - Dr. Chris Lennerd, University of Cape Town, South Africa
  - Other potential visiting scientists
- Collaborate with IRDR-Japan project on **Social Resilience Building against Disasters by Total Design**



# Future Plan (2/2)

- Continue to cooperate with international and domestic organizations to **organize symposia, training workshops** and other disaster-related scientific activities for **capacity building**
- Continue to **build a partnership network** of IRDR-related research in Taiwan and the international scientific community.
- Continue to support **IRDR and ICSU Programs** (e.g., **Future Earth**)





# Brainstorming Session on Future Earth in Asia, 8-9 April 2013

## ➤ Participants

Yuan Tseh Lee

Chao-Han Liu

Fumiko Kasuga

Takashi Onishi

Shaw-Chen Liu

Shu-Li Huang

Guo-Xiong Wu

Steven Wilson

Mohd. Nordin Hasan

Mark Stafford Smith

Will Steffen

Chen-Tung Arthur Chen

Candice Shih-Chun Lung

Abdul Hamid Zakri



# Summary of Brainstorming Session on Future Earth in Asia

## ➤ Possible research themes for Asia

- Urbanization in Asia
- Living on the Asia coastal zones
- Population in Asia
- The role of “core values” in Asia culture
- Energy issue for Asia

## ➤ Getting organized in the region

- Establish National Committee for FE in member countries
- Establish coordinating organizations (ICSU Regional Center can play the key role)

## ➤ Funding issues

- Seek international funding (Belmont Forum, Asia-Pacific Network for Global Change Research, etc)
- Seek funding from private foundation



# THANK YOU

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