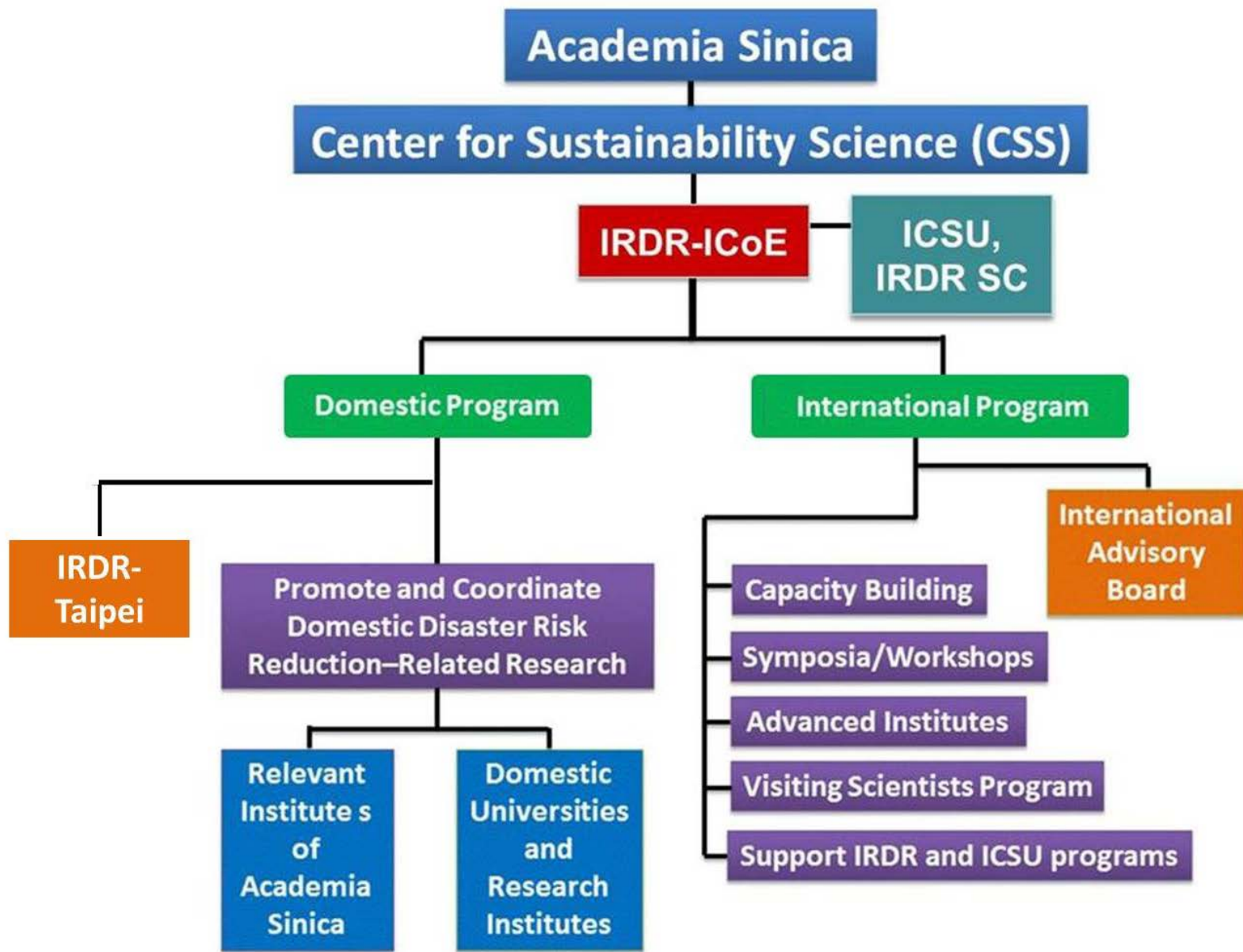


Presentation at IRDR SC meeting
1-3 June 2015
Qingdao, China

IRDR-ICoE, Taipei

2015 Activity Report

Dr. Shih-Chun Candice LUNG
Center for Sustainability Science
Academia Sinica, Taipei
2 June 2015



IRDR-ICoE, Taipei International Program

Advanced Institute Disaster Risk and Loss Reduction

- Held on **April 20-25, 2015** in Taipei
- Provided **18** 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
- **Topics:**
 - flood and earthquake risk reduction
 - early warning technology
 - vulnerability assessment
 - disaster preparedness
 - recovery and reconstruction after disasters
- **Dr. Rudiger Kline spoke on**
 - Integrated risk management- IRDR and Post-Sendai reflections



Planning for Future AIs

- Future Advanced Institutes (AIs) will be in context of the **Sendai priority areas**:
 - (a) Understanding disaster risk;
 - (b) Strengthening disaster risk governance to manage disaster risk
 - (c) Investing in disaster risk reduction for resilience;
 - (d) Enhancing disaster preparedness for effective response and to “Build Back Better” in the recovery, rehabilitation and reconstruction.
- Under consideration:
 - AI on “**the case studies with disaster forensic investigation**”
 - AI on **interlinked topics of “IRDR”, “Future Earth”, and “Health and Wellbeing in the changing urban environment (UHW)”**

The Third Workshop on Psychological Intervention after Disasters (PIAD)

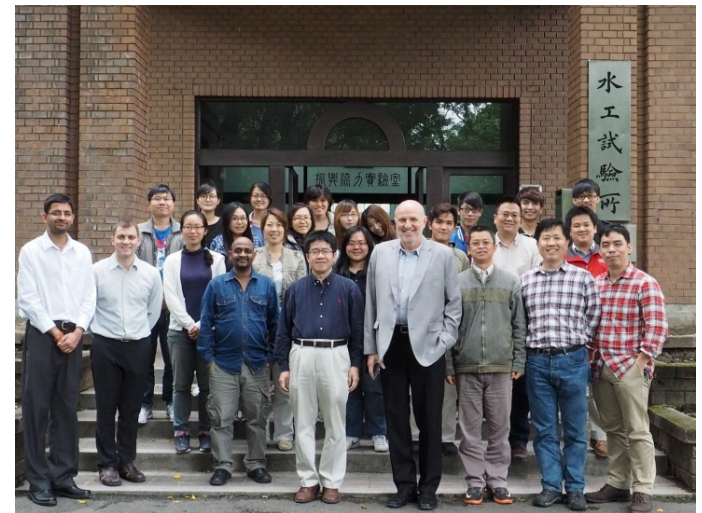
- Planned to be held in China, **Taipei**, Kuala Lumpur, and Yokohama, from 2014 to 2017
- The third PIAD Workshop was held on **December 8-11, 2014** in **Mianyang, China**, following the previous two workshops in China
- Organized by IUPsyS with the support of **ICoE**, ICSU-ROAP, the Chinese Psychological Society, United Nations University, and Center for Applied Developmental Science
- Targeted participants: researchers, educators, and practitioners from the **Asia-Pacific region** with **psychology background** and interested in working on PIAD
- Professor **Sue-Huei Chen** of the **National Taiwan University** shared her experience in psychological intervention after **Chi-Chi earthquake** and **Morakot typhoon** during the workshop

Planning on the Fourth Workshop on Psychological Intervention after Disasters (PIAD)

- The fourth PIAD Workshop is planned to be held on **November 9-12, 2015** in **Taipei, Taiwan**
- Planning Meeting for the PIAD Workshop was held in Taipei on April 28 – 29, 2015
- The first “Call for Application” was announced on May 15, 2015
- Organized by IUPsyS, **ICoE**, ICSU-ROAP, and Center for Applied Developmental Science; and in partnership with Jacobs Foundation, the Chinese Psychological Society, and United Nations University International Institute for Global Health

Training Workshop on “Systems Approach to Management of Disasters”

- IRDR-ICoE sponsored a training workshop that was held on **April 20-22, 2015** in **Taipei, Taiwan**
- Organized by **ICoE**, National Taiwan University (NTU), and National Science and Technology Center for Disaster Reduction (NCDR), Taiwan
- 20 Taiwanese participants
- The main instructor was Dr. Sloboden P. Simonovic, a visiting scientist of ICoE in 2014



Follow-up on AIs and Workshops --Research Seed Grants

- Fellows of 2013 World Social Science (WSS) Seminar
 - 2013 WSS Seminar on “Decision-making under conditions of uncertainty” was held in New Zealand, co-sponsored by ICoE
 - Four out of six research proposals were awarded in March 2014 with research seed grants (\$15,000 USD each) after being reviewed by David Johnston, Dick Eiser, ICoE Taipei, ISSC, and START staff
 - Projects were completed by December 2014. Final reports are submitted and under review
- Fellows of 2015 AI on “Disaster Risk and Loss Reduction”
 - “Call for Proposal” announcement is under preparation. Proposals related to “disaster insurance” and “loss reduction for earthquakes and floods” are anticipated

Publication and media presence

- ICoE/NCDR published a 37-page FORIN report on “Forensic Investigation of Typhoon Morakot Disaster: Nansalu and Daniao Village Case Study” on May 2014.
 - This study explores the root causes of the Typhoon Morakot disaster to learn from experiences of past disasters
- Publication in UNISDR/STAG website
 - Tony C. Liu (IRDR-ICoE, Academia Sinica, Taiwan), and Wei-Sen Li (NCDR) published a case study entitled “Improved Evacuation Procedures Save Lives in Taiwan from Severe Flood and Debris Flow” online in the UNISDR/Prevention Web STAG page in March 2015
- Tony C. Liu (IRDR-ICoE, Academia Sinica, Taiwan) was interviewed by a TV reporter in Taiwan on April 21, 2015, regarding loss reduction for earthquakes especially on building evaluation and retrofit after the earthquake in Taiwan on April 20, 2015

Annual Scientific Advisory Board Meeting

- chaired by **Gordon McBean** on 20 Oct 2014 at Academia Sinica.
- **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



Other Activities

- Participated in the **Workshop on Practice on Disaster Reduction in Asia Pacific Regions** on March 18, 2015 in **Sendai, Japan**
- Participated in **Pan-Asia Risk Reduction (PARR) Fellowship Program Culmination Conference**, Bangkok, Thailand, March 24-26, 2015
- Supported **IRDR SC Flagship Project**

Future Planning

- Organize/sponsor future **Als**
- Provide **seed grants** to support IRDR researches
- Continue to support
 - **PIAD workshops**
 - **visiting scientists program**, a potential visiting scientist is Prof. Rajib Shaw in Kyoto University
 - **Pan-Asia Risk Reduction (PARR) Fellowship Program**
 - and participate in **SC Flagship Project** and the IRDR-related international scientific activities
 - **IRDR and ICSU Programs** (e.g., **Future Earth**)
- Hold 2015 Scientific Advisory Board Meeting

IRDR-ICoE, Taipei Domestic Program

Domestic Program

- 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>

THANK YOU

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