

**22<sup>th</sup> Integrated Research on Disaster Risk (IRDR)  
Science Committee Meeting**

**Xiamen, China  
8-10 OCT, 2019**

**Report from  
International Centre of Excellence (ICoE)-  
Taipei**

**Jian-Cheng LEE**

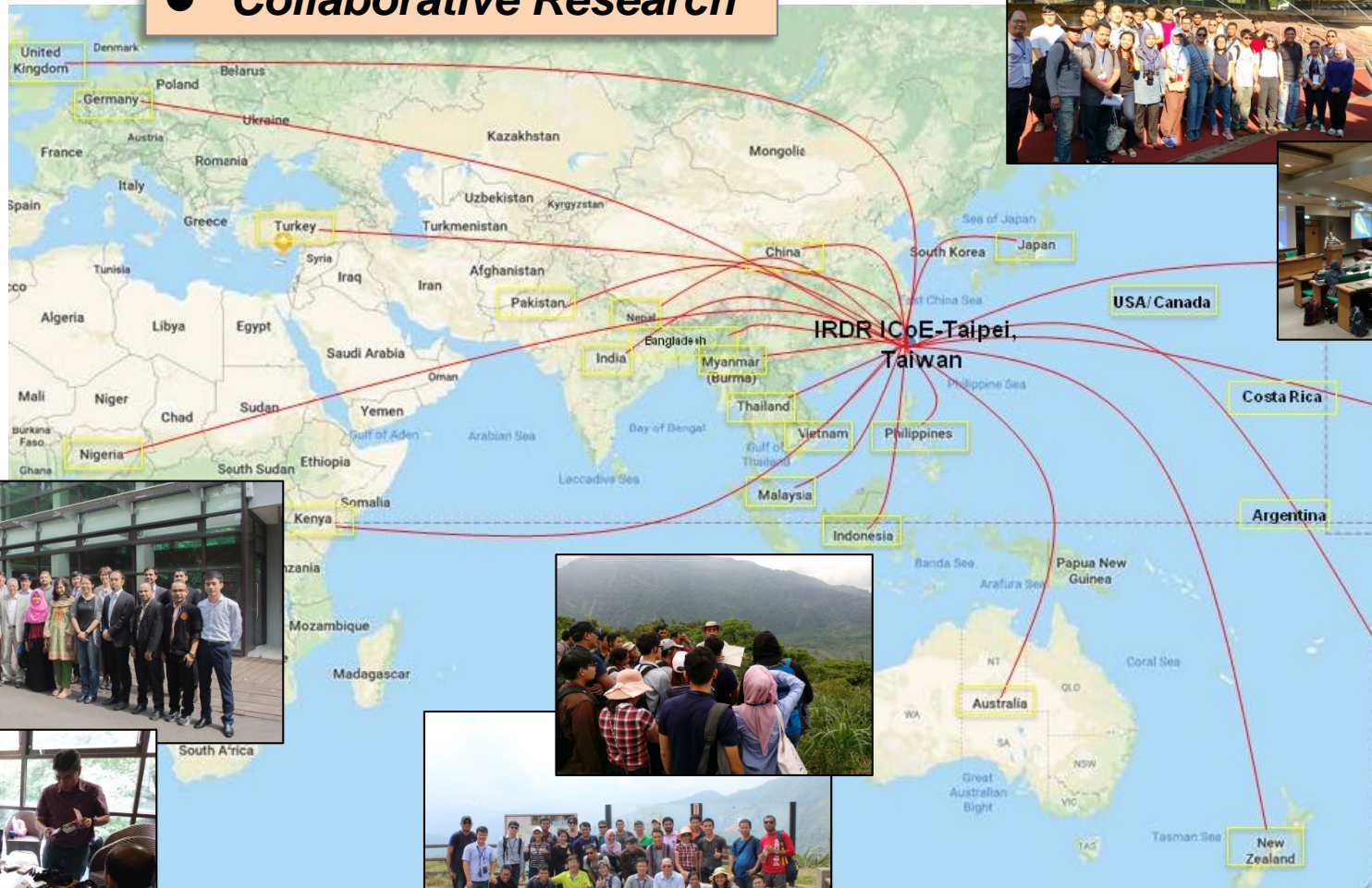
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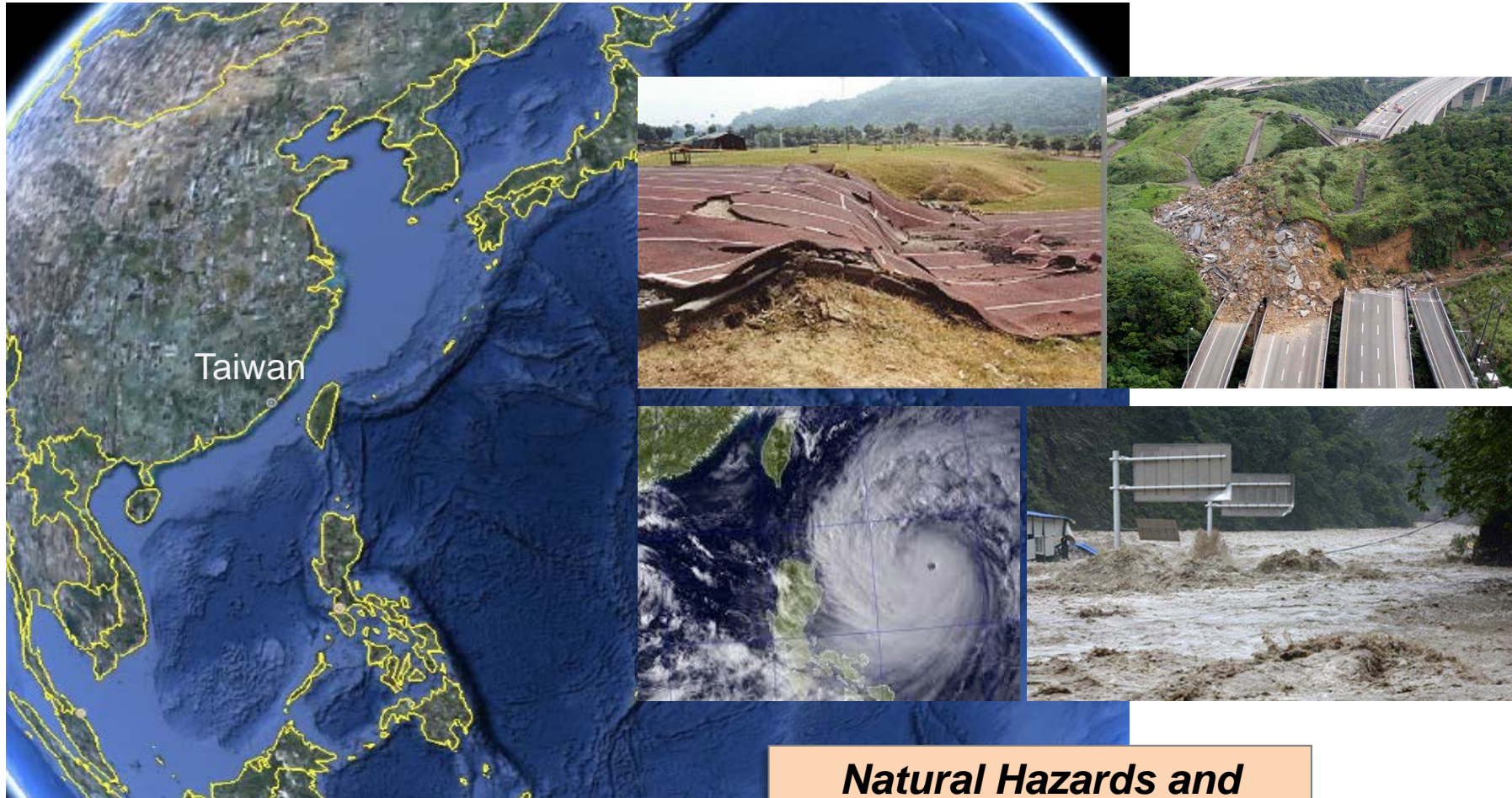
# Mission and Main Activities

- **Capacity Building**
- **Regional Networking**
- **Collaborative Research**





*Taiwan provides an excellent natural laboratory for studying.....*



***Natural Hazards and Risks !***

# Activities of ICoE-Taipei in 2018

## Advanced Institute (AI) for capacity building

1. “Disaster Risk Reduction with Systems Approach for Slow-Onset Climate Disasters, **AI-SOCD on Heat Stress Sensors, Early Warning, and Information Technology**” (June, 2018)
2. “**Landslide Risk Reduction Training School (AI-LRRTS)** - Landslide Hazards: From Site Specific to Regional Assessment” (August, 2018)
3. “**AI-EHRA** - Training Course on **Earthquake Hazard and Risk Assessment** in East Asia” (October, 2018)

# Activities of ICoE-Taipei in 2019

## Advanced Institute (AI) for capacity building

1. “**(AI-P-Alert)** – Advanced Institute on **Earthquake Early Warning** system in East Asia ” (March, 2019)
2. “ **(AI-Hi-ASAP)** - Advanced Institute on **Health Investigation and Air Sensing** for Asian **Pollution**” (September, 2019)
3. “**(AI-ACV)** - Advanced Institute on Asian Consortium of **Volcanology**” (October-November, 2019)

## \*Overseas short course for capacity building

- “Training Course on **Landslide** Investigations and Hazards Mitigation in Hanoi, **Vietnam**” (July, 2019)

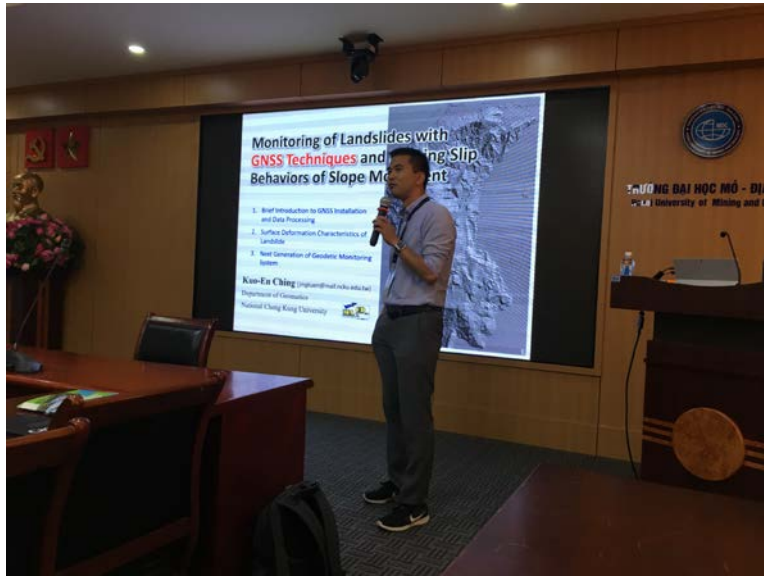
## \*AOGS special session for networking and advertising IRDR

- “AOGS session - Regional Collaborative Research on **Air Pollution** Sensing and Health in Asia”, **follow up of 2017 seed grand projects** (July, 2019)



# 5-day Lectures and Hands-on

Training Course on **Landslide** Investigations and Hazards Mitigation  
at Hanoi University of Mining and Geology (HUMG), Hanoi, Vietnam

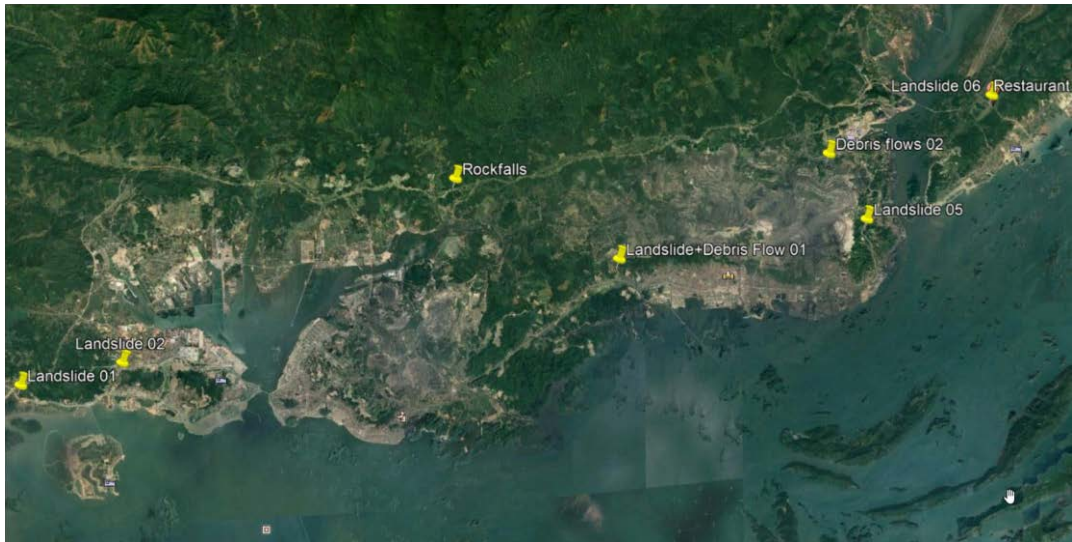


- 30 Participants:
  - 21 students, 5 professors, 4 government officers
- 13 Instructors:
  - 10 Taiwan, 1 Japan, 2 Vietnam



# One-day Field Site Excursion

Quang Ninh province near Ha Long Bay





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# 2019 AOGS Special Session in Singapore

Regional Collaborative Research on **Air Pollution** Sensing and Health



- follow up of 2017 seed grand projects



# Seed Grant Projects

- For each Advanced Institutes, we also have initiated “**Seed Grant Projects**” to encourage participants of AIs and training workshops to start their research and establish the foundation for regional collaboration in the near future.
- IRDR ICoE called proposals for the **one-year research** grant programme with limited financial of **USD 15,000** support for collaborative research that falls within the areas of interest.



# Future Plan: 2020 and Beyond

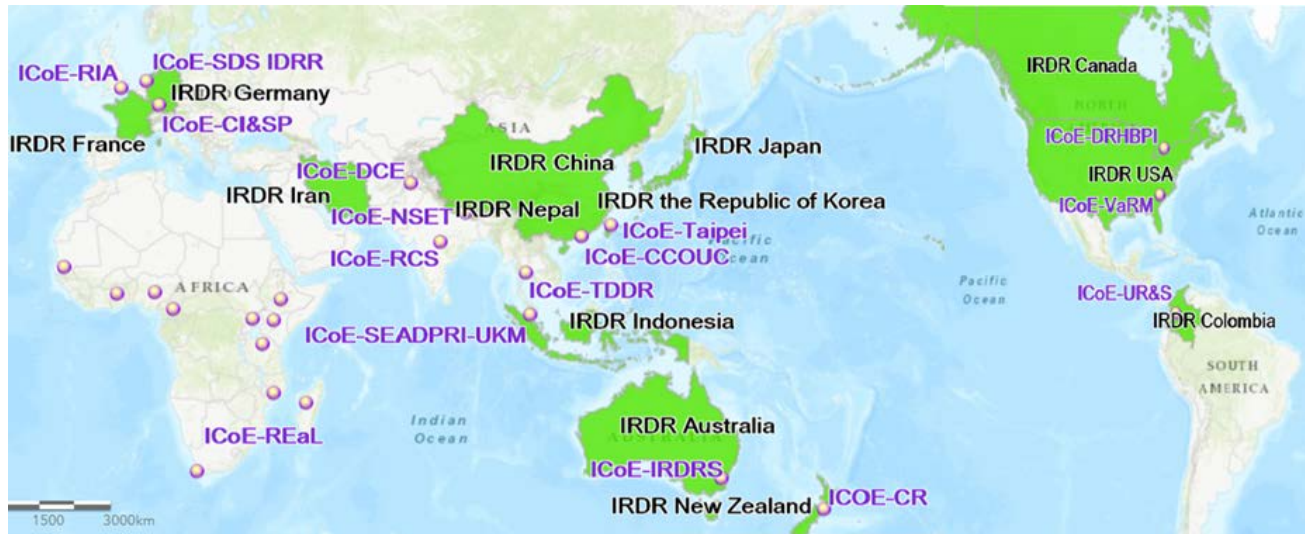
## Planned Activities in 2020 (or 2021)

- 1 AI **Knowledge-based Actions** + Seed grants
- 2 Short course in Southeast Asia (Nepal, Philippines?)
- 3 Bi-lateral conference on multiple disaster risk between EOS of Singapore (or New Zealand) and Taiwan
- 4 2020 AGOS meeting special session for IRDR
- 5 IRDR Inter ICoEs Workshop (co-organized with ICoE-Bangkok?)

Thank you  
for your attention



# IRDR Inter ICoEs Workshop



- Time: 2020
- Venue Taipei, Taiwan
- Participants: 16 ICoEs (and IPO, SC members)
- Motivation and expectation:
  - Exchange insights and ideas, establish collaborations among ICoEs