

Southeast Asia

Disaster Prevention Research Initiative

IRDR ICoE for Disaster Risk and Climate Extremes
(ICoE-SEADPRI-UKM)



Southeast Asia Disaster Prevention Research Initiative
(SEADPRI - UKM)

Core Academic Expertise (subject and geographical)

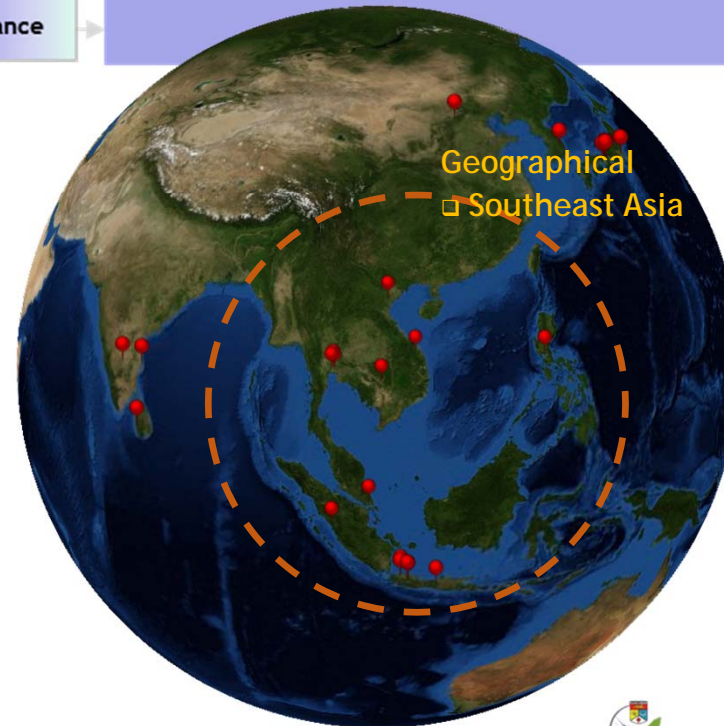
Multidisciplinary research development
& training to reduce risk of:

- ❑ Climatic Hazards
- ❑ Geological Hazards
- ❑ Technological Hazards



Holistic and integrated approach

- ❑ Science
- ❑ Technology
- ❑ Impact & Vulnerability
- ❑ Governance



Training and Professional Partnerships

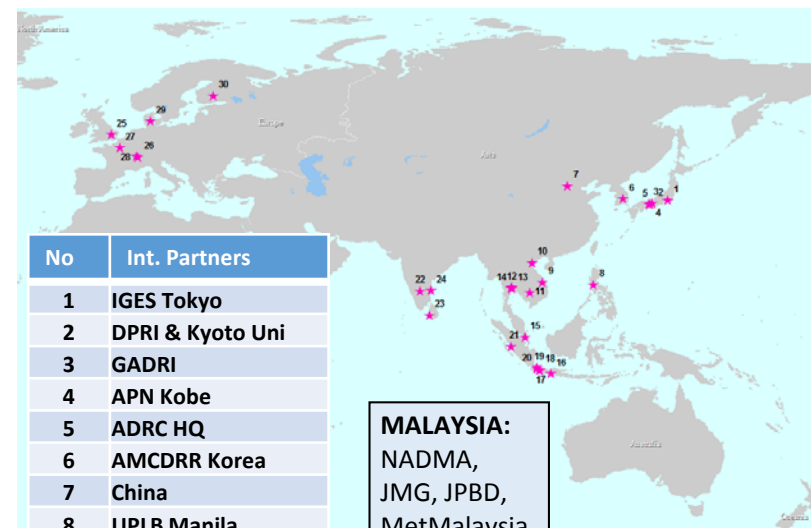
❑ Education and Training

- ❑ Postgraduate Masters and Doctoral program (MA, MSc, PhD)
- ❑ Professional/ Specialised Training

❑ Workshop and Courses

❑ Applied Research

- ❑ Knowledge generation
- ❑ Co-researcher

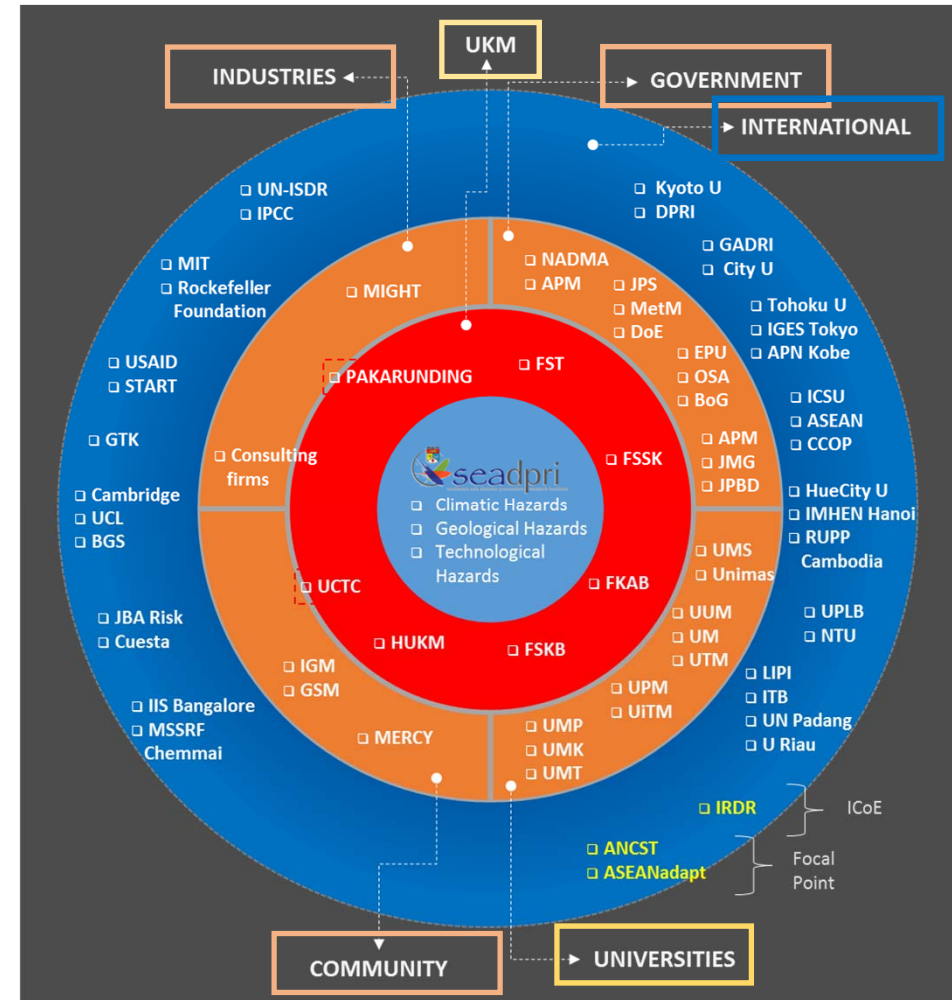


No	Int. Partners
1	IGES Tokyo
2	DPRI & Kyoto Uni
3	GADRI
4	APN Kobe
5	ADRC HQ
6	AMCDRR Korea
7	China
8	UPLB Manila
9	HueCity Univ
10	IMHEN Hanoi
11	RUPP Cambodia
12	CCOP
13	APAN
14	UChi
15	NTU
16	Yogyakarta
17	ITB
18	LIPI
19	ASEAN
20	IPB Bogor
21	Padang
22	IIS Bangalore
23	ADRC Colombo
24	MSSRF Chennai
25	Cambridge, MIT
26	IPCC
27	ICSU
28	UNISDR
29	kfW Hamberg
30	GTK Finland

MALAYSIA:
 NADMA,
 JMG, JPBD,
 MetMalaysia,
 APM, NRE,
 ASM,
 NAHRIM,
 MERCY
 Malaysia etc.

Training and Professional Partnerships

- ❑ Policy Advisor to Government & Stakeholders
- ❑ Outreach and Networking
- ❑ Focal Points
 - ❑ Technical support for National Disaster Management Agency - SFDRR indicators & monitoring
 - ❑ ANCST
 - ❑ ASEANadapt
 - ❑ Malaysia Window-to-Cambridge (MW2C@UKM)



1. Updates of activities



OCT 2017 | Workshop on Disasters and Heritage Areas, Cebu, Philippines. A side-event of the 53rd Annual Session of the Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP), the workshop focused on creating awareness of climate driven hazards and disasters in heritage areas to geological agencies in East and Southeast Asia



OCT 2017 |

- 1. National Conference on Science, Technology & Innovation for DRR**
- 2. Dialogue on Draft National Plan on Science, Technology and Innovation for DRR.**

Academy of Sciences Malaysia, National Disaster Management Agency Malaysia (NADMA), Office of the Science Advisor to the Hon. Prime Minister of Malaysia and SEADPRI-UKM



NOV 2017 | Forum on Flood Modelling for Insurers: From Data to Decisions. Jointly convened Malaysian Association of Risk and Insurance Management (MARIM), Asia-Pacific Network for Global Change Research (APN) and JBA Risk Management, the event was held in the aftermath of the catastrophic floods in Penang. It was a seminal discussion on approaches to model pluvial flash flooding in urban areas due to extreme rainfall, which is a major problem in Asian cities

1. Updates of activities



NOV 2017 | Regional Science-Policy Dialogue: Science, Technology and Innovation for Bridging Disaster Risk Reduction and Climate Change Adaptation. ANCST, UNISDR Asia Science Technology Academia Advisory Group (ASTAAG), ICSU-ROAP, APN Global Change Research, NADMA and NRE. The focus was on innovative science products and services that could bridge climate change adaptation and disaster risk reduction at the local level



MARCH 2018 | Sendai Framework Monitor (SFM): Orientation and Training Workshop. To build capacity and coordinate key government agencies involved in SFM data input for Malaysia



MARCH 2018 | International Conference on Atmospheric Composition and Climate Change 2018 (ICACCA 2018). Key researchers in Asia and other parts of the world met to discuss advances in atmospheric composition and climate change in Asia

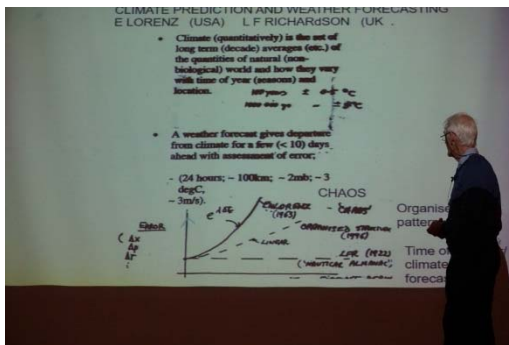
1. Updates of activities

FELLOWSHIP FOR YOUNG SCIENTISTS

Young scientists from Malaysia and Asia to participate in the MW2C@UKM. Training and networking away from their home institution to participate in training courses or summer school programmes to help them build their skills in the area of atmospheric sciences, climate change and climate extremes for disaster prevention



OCT 2017 | Training Workshop on Geohazards and Disaster Risk Reduction, Cameron Highlands, Malaysia. Held in conjunction with the 30th National Geoscience Conference 2017 (NGC 2017), the training focused on communication of science to multiple end-users in cities including planners, regulators and insurers



NOV 2017 | Training Workshop on the Predictability of Extreme Weather Events. Jointly convened with the Malaysian Meteorological Department and other partners, the training focused on developing highly relevant forecast products for climate extremes



2. Future Plan with IRDR

Voluntary Commitments for Sendai Framework (2015)
SEADPRI-UKM & ANCST

Status

<p>Priority 1 Understanding Disaster Risk</p>	<p>Short-term (2 years)</p> <p>Action 1: Conduct workshops on methods of risk assessment and loss and damage assessments for climate induced hazards targeting researchers</p>	<p>17 workshops held 2016 - 2017 involving 5 countries</p>	
<p>Priority 2 Disaster Risk Governance</p>	<p>Medium-term (5 years)</p> <p>Action 2: Highlight good practices on informed decision-making and science-based solutions for climate induced hazards in the ANCST website</p>	<p>Pilots ongoing at local level in Malaysia, Cambodia, Philippines & Vietnam; case-studies of good practices</p>	
<p>Priority 3 Invest in DRR for Resilience</p>	<p>Short-term (2 years)</p> <p>Action 3: Conduct training for projection of selected climate induced hazards targeting young researchers; ANCST and partners</p>	<p>3 training sessions were held in 2017 involving 28 early career researchers</p>	
<p>Priority 4 Enhance preparedness for response & Build Back Better</p>	<p>Medium-term (5 years)</p> <p>Action 4: Highlight multi-disciplinary practices that enhance disaster preparedness on the ANCST website</p>	<p>Pilot project ongoing in Kuala Lumpur, Malaysia; case study on multi-hazard early warning</p>	

3. Support Need

ICOE family to support in collaboration:

- ❑ **Provide expertise in developing case studies**
- ❑ **Serving as trainers**



FELLOWSHIP FOR YOUNG SCIENTISTS

Calls for

**Malaysia Window to Cambridge at UKM (MW2C@UKM)
Training Workshop on Disaster Resilient Cities:
Advances in Meteorological Forecasting and Hazards
Assessment**

28-29 June 2018, Kuala Lumpur, Malaysia

Thank You

