



Asian Network on  
Climate Science and Technology  
(ANCST)

# Southeast Asia Disaster Prevention Research Initiative (SEADPRI-UKM)

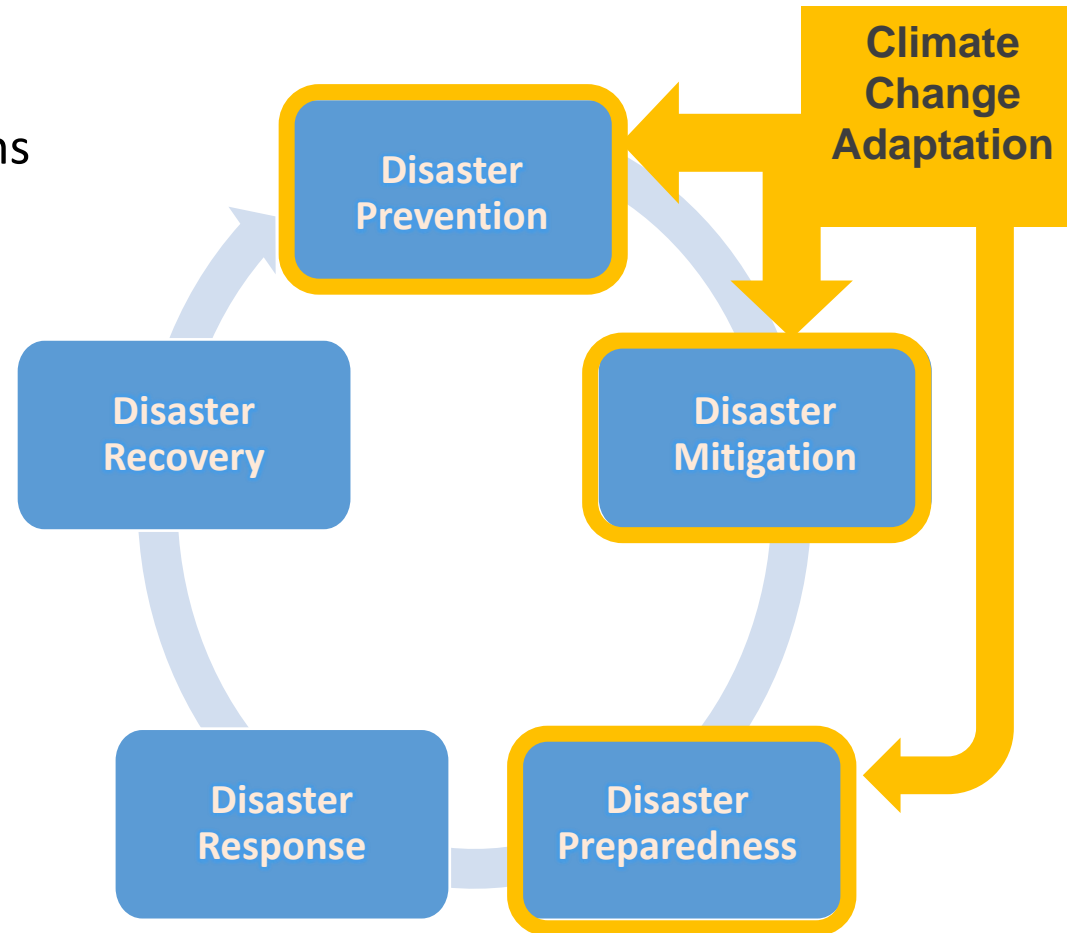
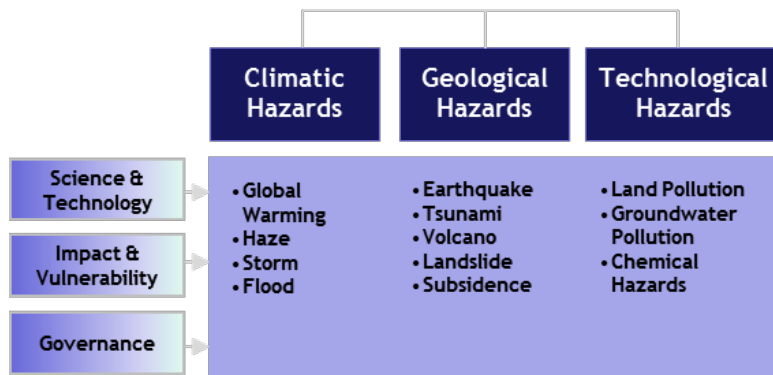
IRDR ICoE for Disaster Risk and Climate Extremes

22<sup>nd</sup> Scientific Committee Meeting  
8-10 October 2019  
Xiamen, China

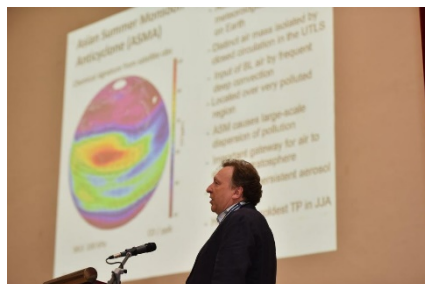
# ICoE-SEADPRI-UKM: Core Activities



- ❑ Multi-disciplinary research at national & local levels in ASEAN
- ❑ Education and Training
  - ❑ Masters and Doctoral programs
- ❑ Workshops and Courses
- ❑ Outreach and Networking



# ICoE-SEADPRI-UKM: Current & Future Activities in 2019



**JUNE 2019| 4<sup>th</sup> Atmospheric Composition and Asian Monsoon Workshop.** The Workshop focused on the topics of air quality, monsoon convection coupled to surface emissions, transport pathways of pollutants into the stratosphere, Asian tropopause aerosol layer (ATAL), and monsoon-climate interactions.

**JULY 2019| Workshop on City Scale Modelling.** Jointly convened with the MetMsia and other partners, the workshop shared findings on the weather forecast using city scale modelling whereby the resolution has been increased to 333 m in the tropics especially for the Malaysian region beginning with Kuala Lumpur.



<http://www.ukm.my/sti4drr/>

**OCT 2019| 2<sup>nd</sup> National Conference on Science, Technology & Innovation for DRR (STI4DRR).** The conference will be held on 14-15 Oct 2019 with aim to provide insights on disaster risk reduction (DRR) in Malaysia, in relation to climate change and sustainable development. This Conference also serves as the national platform for exchange of good practices in DRR among researchers and practitioners.

# ICoE-SEADPRI-UKM: Current & Future Activities in 2019



**OCT 2019| Workshop on Building Disaster and Climate Resilience in Cities.** The workshop will be held on 15 and 16 Oct 2019 with focus on enhancing the contribution to the corpus of knowledge on climate science and technology in tropical cities as well as connecting key science institutions in the region to support the IPCC AR6 cycle and the Special Report on Climate Change and Cities in the IPCC AR7 cycle.

**OCT 2019| 2<sup>nd</sup> Workshop on Asia Urban Meteorology and Climate.** The workshop will be jointly convened with the University of Hong Kong on 17 - 19 October 2019 to provide a platform for practitioners, scientists and stakeholders to discuss the different aspects of urban meteorology and climate especially the Asian situations.



# ICoE-SEADPRI-UKM:

Voluntary Commitments Of SEADPRI & ANCST for the Sendai Framework Progress over the Past Three Years (2016-2018)



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## Status

<b>Priority 1</b> Understanding Disaster Risk	Short-term (2 years)	<b>25 workshops held involving 7 countries</b>
	Action 1: <b>Conduct workshops</b> on methods of risk assessment and loss and damage assessments for climate induced hazards targeting researchers	
<b>Priority 2</b> Disaster Risk Governance	Medium-term (5 years)	<b>Pilots completed at local level in Malaysia, Cambodia, Philippines &amp; Vietnam; case-studies of good practices being developed</b>
	Action 2: <b>Highlight good practices</b> on informed decision-making and science-based solutions for climate induced hazards in the ANCST website	
<b>Priority 3</b> Invest in DRR for Resilience	Short-term (2 years)	<b>2 training sessions are planned in 2019 involving early career researchers</b>
	Action 3: <b>Conduct training</b> for projection of selected climate induced hazards <b>targeting young researchers; ANCST and partners</b>	
<b>Priority 4</b> Enhance preparedness for response & Build Back Better	Medium-term (5 years)	<b>Pilot project ongoing in Kuala Lumpur, Malaysia; case study on multi-hazard early warning</b>
	Action 4: <b>Highlight multi-disciplinary practices</b> that enhance disaster preparedness on the ANCST website	

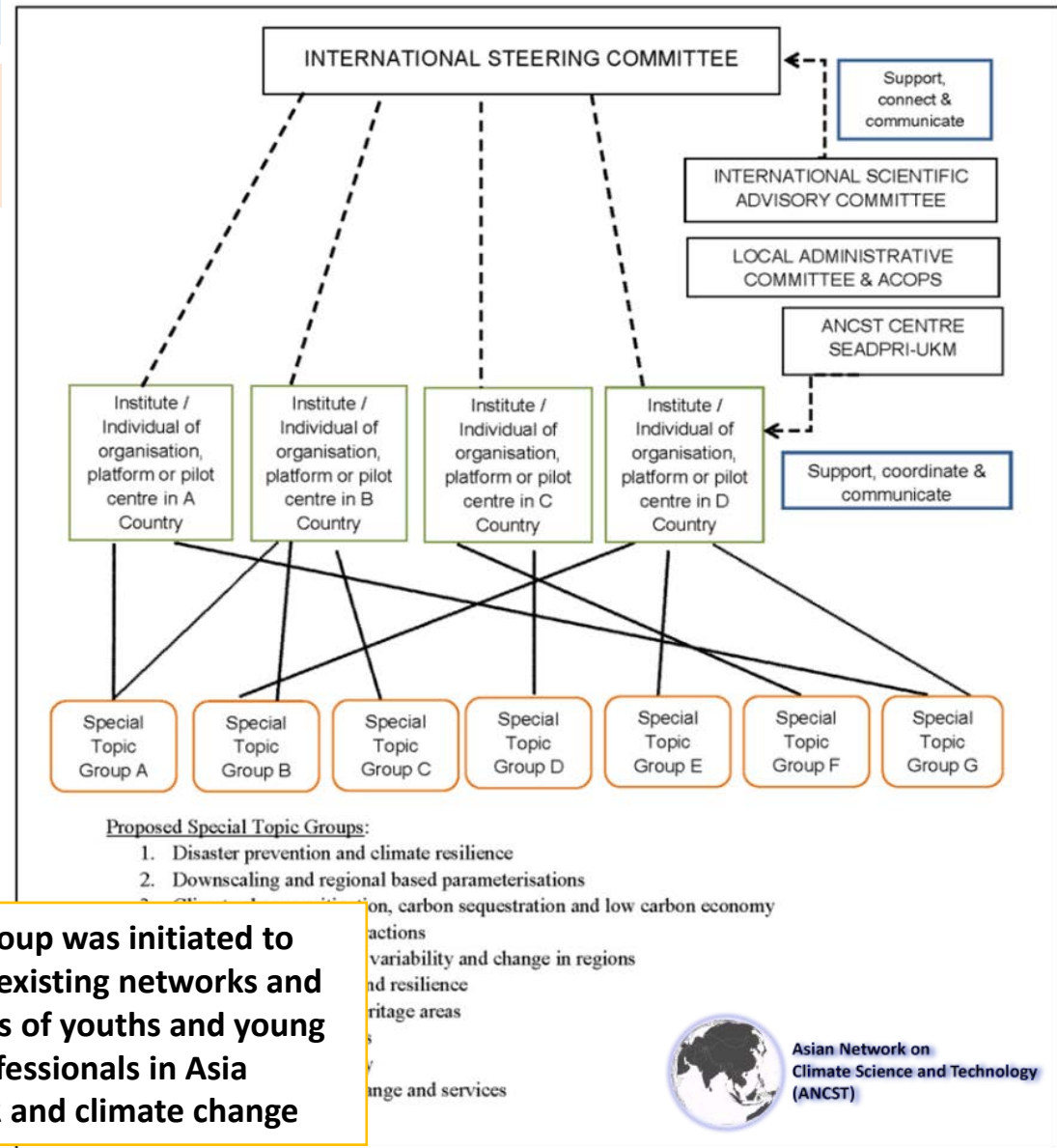
# ICoE-SEADPRI-UKM: Partnership - ANCST



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## Asian Network on Climate Science and Technology (ANCST)

- ❖ Coordinated by ICoE-SEADPRI-UKM, includes:
  - International Scientific Advisory Committee;
  - International Steering Committee;
  - **Special Topic Group**
    1. Disaster Prevention and Climate Resilience
    2. Atmospheric Chemistry and Climate Change
    3. Atmosphere-ocean Interactions
    4. Urban Climate Change and Resilience
    5. Flood and Anthropogenic Activities
    6. **Youths, Disaster and Climate Change**



# ICoE-SEADPRI-UKM: Partnership - U-INSPIRE



## Establishment of U-INSPIRE Malaysia @ UKM

[Youth & Young Professionals on Innovation, Science and Technology Platform for Resiliency]



**The U-INSPIRE Malaysia @ UKM  
will be launched on 15 Oct 2019**

- ❖ Carries on the initiative by U-INSPIRE Indonesia - launched as a national platform in November 2018
- ❖ Focuses on two key areas: DRR and Climate Change

### ❖ VISION

To empower the role of Malaysian youth and young professionals in science, engineering, technology and innovation (SETI); to build disaster resilience at the national, regional and global levels.

### ❖ OBJECTIVE

To support national DRR by strengthening partnerships, interaction, networking, communication, discussion, and the sharing of best practices and lessons learnt among the youth and young professionals on SETI.

# ICoE-SEADPRI-UKM: Proposal



- ❖ Convening of the 2020 IRDR Scientific Meeting in Kuala Lumpur.
  - *The meeting can be conducted either the day before or after the 2020 APSTCDRR (16-17 March 2020). ICoE-SEADPRI-UKM can help with the logistics in Kuala Lumpur.*
  
- ❖ "Training Session on Big Earth Data for DRR" to be considered Prof. Fang Chen and his team from the DBAR WG on DRR, in collaboration with IRDR and ICoE SEADPRI-UKM.
  - *Target group will be on the youths, young scientists and early career researchers in the 2020 event, in addition to researchers and collaborators in the ASEAN region.*



# 2020 ASIA-PACIFIC SCIENCE AND TECHNOLOGY CONFERENCE FOR DISASTER RISK REDUCTION

"Science and Technology for Building Resilience  
of Communities and Infrastructure"

## 16-17 MARCH

Kuala Lumpur Convention Centre  
(KLCC), Kuala Lumpur, MALAYSIA

OFFICIAL  
WEBSITE

[www.ukm.my/apstcdrr](http://www.ukm.my/apstcdrr)

REGISTRATION IS NOW OPEN!

[www.ukm.my/apstcdrr/](http://www.ukm.my/apstcdrr/)

# THANK YOU

#### OFFICIAL WEB

SEADPRI | [www.ukm.my/seadpri](http://www.ukm.my/seadpri)

ANCST Network | [www.ancst.org](http://www.ancst.org)

Disaster Resilient Cities | [www.ancst.org/nuof](http://www.ancst.org/nuof)

#### OFFICIAL EMAIL

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