APN Workshop on Climate Adaptation, Disaster Risk Reduction and Loss & Damage 21-23 August 2013, Kobe, Japan

Effective Networking Strategies for Adaptation Governance – A Perspective from Malaysia

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National Policy on Climate Change

DASAR PERUBAHAN NEGAR NATIONAL POLICY ON CLIMATE CHANGE enentertan Rumber Aalt dan Alam Sekttar Ma

<u>Climate-resilient development</u> –

development that takes into account measures to address climate change and extreme weather in line with national priorities.

Broadened definition enables the National Policy on Climate Change to serve as an instrument to harmonise and integrate to the extent possible and in line with national priorities, measures on climate change adaptation, mitigation and disaster risk reduction

5 Principles, 10 Strategic Thrusts & 43 Key Actions

NATIONAL POLICY ON CLIMATE CHANGE – AT A GLANCE

POLICY STATEMENT

Ensure climate-resilient development to fulfil National aspirations for sustainability

OBJECTIVES

1. Mainstreaming climate change for strengthened competitiveness and improved quality of life;

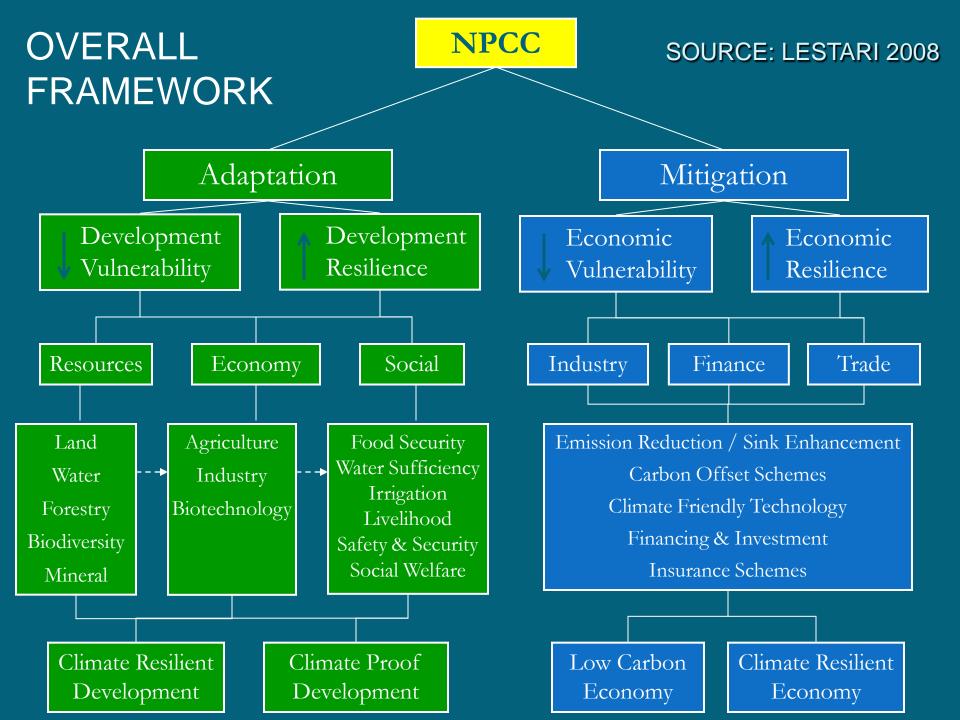
2. Integration of climate change responses into policies, plans and programmes; and 3. Strengthening of institutional and implementation capacity.

	PRINCIPLES				of climate
P1: Development on a Sustainable Path	P2: Conservation on Environment and Natural Resources	P3: Coordinated Implementation	P4: Effective Participation	P5: Common But Differentiated Responsibilities	change responses.
ST1:Facilitate harmonisation of existing policies & institutions ; ST2: Institute measures on low carbon economy; and ST3: Support climate-resilient Investment. 11 Key Actions	ST4: Strengthen environmental & resource conservation; and ST5: Consolidate the energy policy.	THRUSTS & KEY A ST6: Integrate cross-cutting issues; and ST7: Support Knowledge-based decision making. 10 Key Actions	CTIONS ST8: Improve collaboration; & ST9: Increase Awareness & Community participation. 6 Key Actions	ST10: Strengthen involvement in international Programmes. 4 Key Actions	

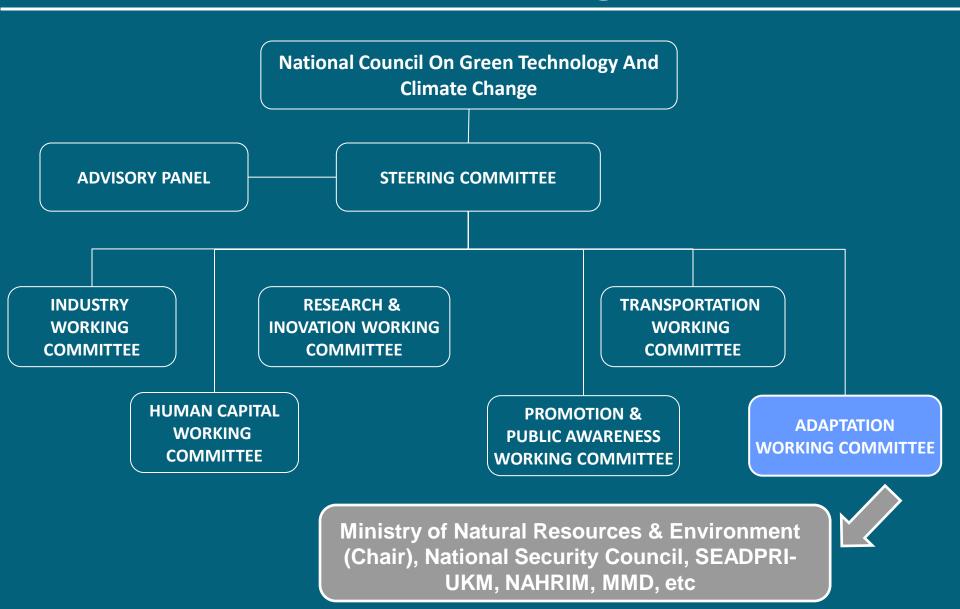
P4: Effective Participation

Improve participation of stakeholders and major groups for effective implementation of climate change responses.

LESTARI, 2009

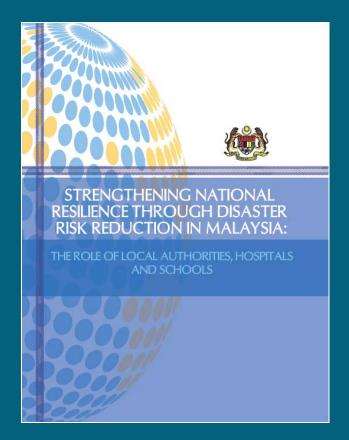


National Council on Green Technology & Climate Change



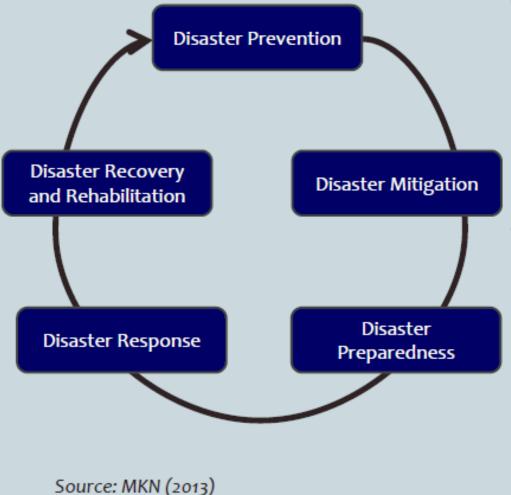
Integrating DRR & CCA

Melaka, 18–19 February 2011



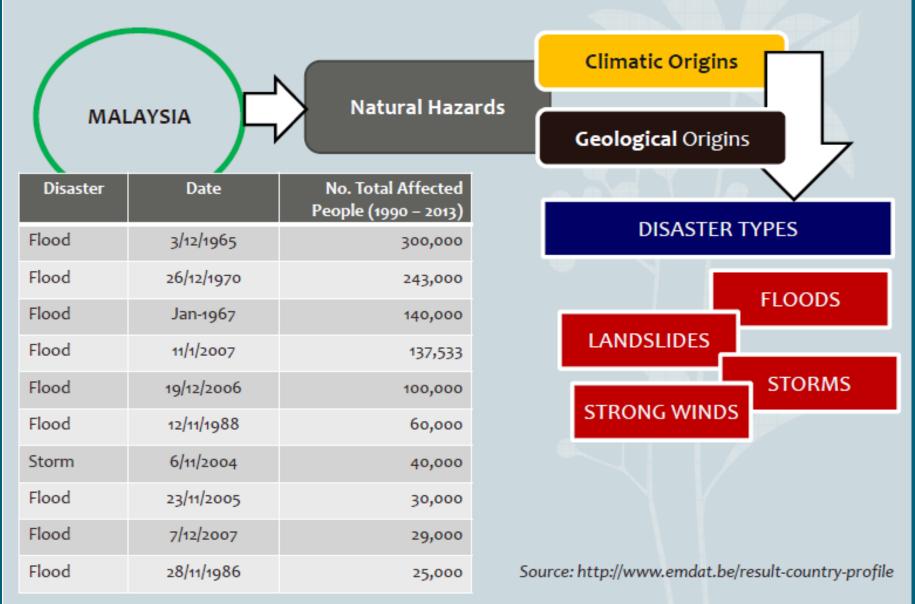
- Recognising the changing nature of disaster risk in the country due to climate variability and change
- To promote the use of technology in support of early warning, multi-hazards risk assessment, and climate modelling and downscaling.
- To strengthen local capacity to integrate climate and disaster risk into local development planning

NATIONAL PLATFORM AND ACTION PLAN FOR DISASTER RISK REDUCTION (MyDRR)

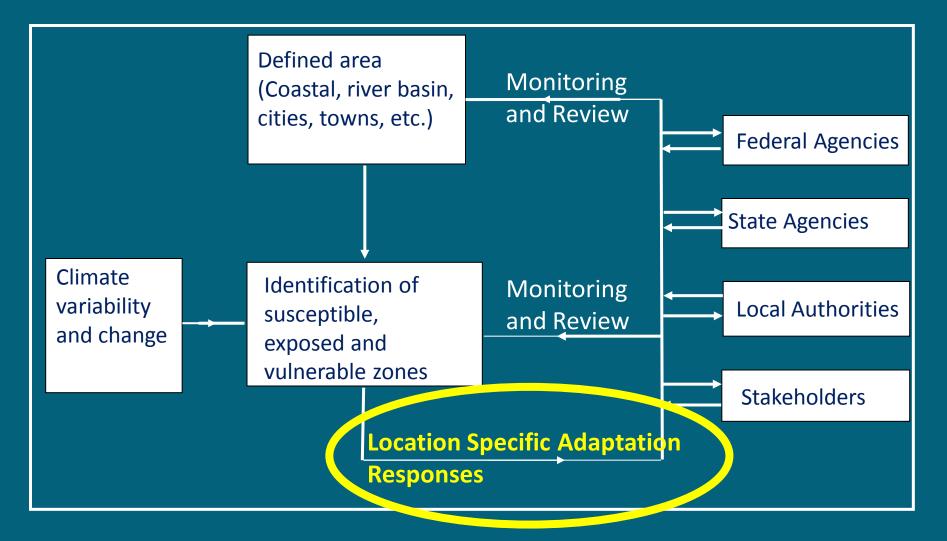


- The National Security Council (MKN) of the Prime Minister's Department is entrusted with the responsibility of ensuring the effectiveness of the disaster management mechanisms that have been put in place.
- The MKN is formalising the existing arrangements for disaster risk reduction and expanding the array of stakeholders through establishment of the National Platform for Disaster Risk Reduction to be launched in 2013.

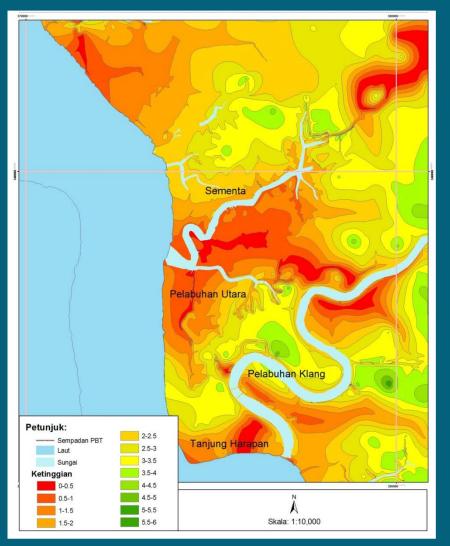
NATURAL HAZARDS IN MALAYSIA



RECOMMENDED APPROACH FOR MALAYSIA: "SPATIALLY CONTEXTUALISED" "COLLABORATIVE APPROACH" FOR ADAPTATION (AREA ADAPTATION PLAN)



Managing Risks of Sea-level Rise



Source: Rasyidah et al., 2012 based on data from JPBD Selangor

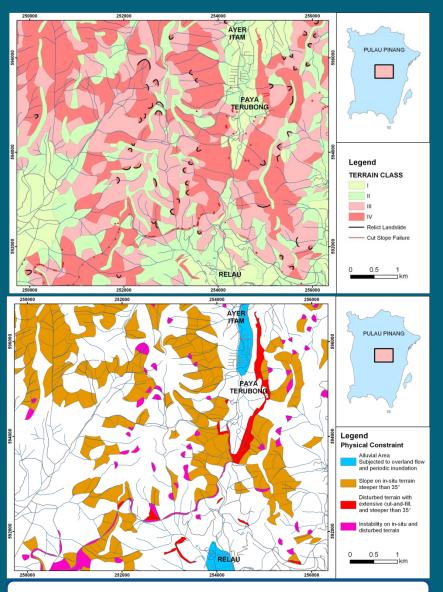
Risk Factors:

- Shore erosion
- Saltwater intrusion
- Coastal floods
- Coastal populations
- Tourism economies

Adaptation Measures:

- Informed planning
- Early warning systems
- Maintenance of drainage
- Risk pooling
- Relocation
 - Etc.

Managing Risks of Landslides



Source: Ng, 2011 based on data from JMG

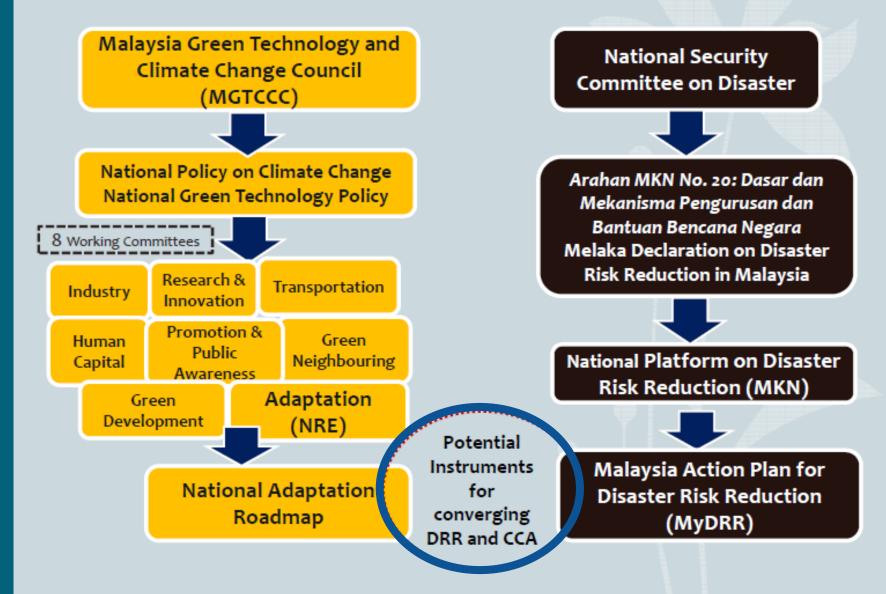
<u>Risk Factors</u>:

- Uninformed planning
- Development in unsuitable terrain
- Cleared areas/blocked drainage

Adaptation Measures:

- Informed planning
- Regular slope inspection and maintenance
- Early warning systems
- Local community engagement
- Risk Pooling, etc.

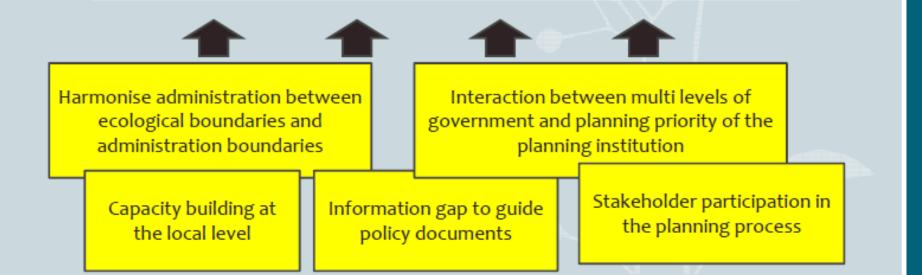
INSTITUTIONAL ARRANGEMENT



Challenges

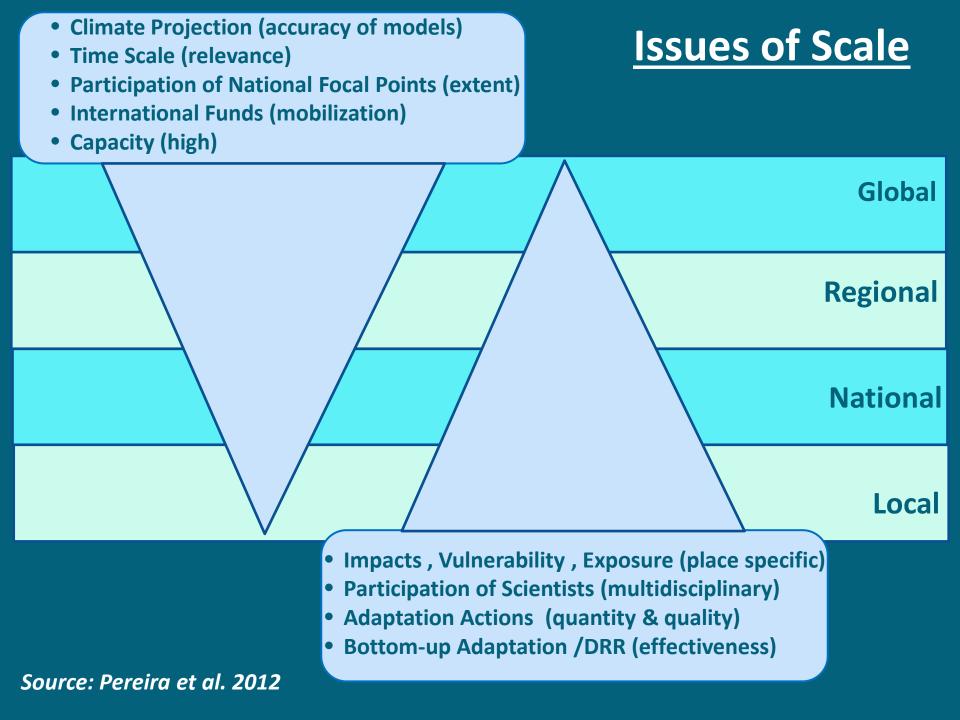
IMPLEMENTATION CHALLENGES

Climate change elements have not been translated and refined in the next tier of development at the **basin** level

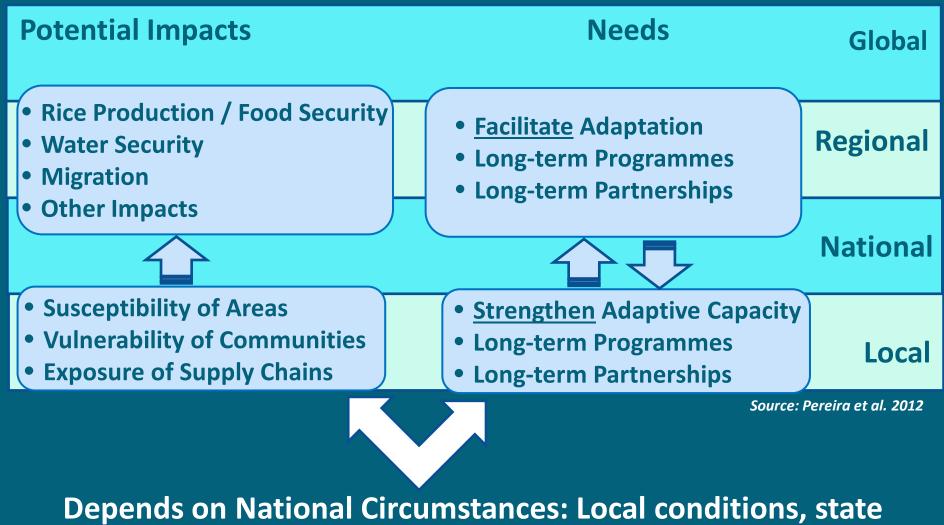


<u>R&D CHALLENGES</u> Method development / Soci

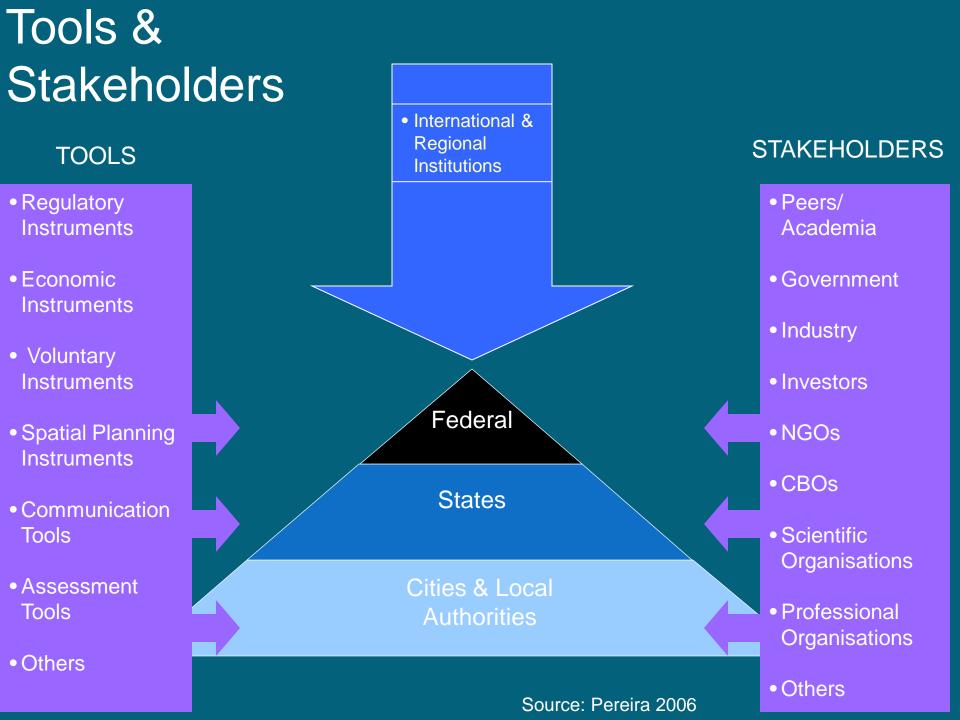
Method development / Socialized S&T Information availability at appropriate scales Entry points for adaptation and DRR National Adaptation Roadmap National Action Plan for DRR



Scale, Potential Impacts and Needs



of science, stakeholder participation, etc.



Asian University Network of Environment and Disaster Management (AUEDM):

Kabul University, Afghanistan **BRAC University, Bangladesh** Royal University of Phnom Penh, Cambodia Beijing Normal University, China Tata Institute of Social Sciences, India University of Madras, India Jadavpur University, India Institute of Technology Bandung, Indonesia Kyoto University, Japan University of Tokyo, Japan Tokyo Polytectnc University, Japan Universiti Kebangsaan Malaysia (UKM), Malaysia Tribhuvan University, Nepal University of Peshawar, Pakistan University of Philippines Los Baños, Philippines Nanyang University of Technology, Singapore Inje University, South Korea University of Colombo, Sri Lanka University of Peradeniya, Sri Lanka National Yunlin University of Science and Technology, Taiwan Chulalongkorn University, Thailand Danang University of Technology, Vietnam Hanoi Architectural University (HAU), Vietnam Hue College of Economics, Vietnam

Observers and /or Advisors

ADRRN, Myanmar Engineering Society GTZ Pakistan, SEEDS, United Nations University www.auedm.net

NETW RK Technology

and Disas

Asia Network on

Climate Science &

24 universities from 17 countries and region

Updated list as of March 2011 WWW.auedm.net



Asian University Network of Environment and Disaster Management (AUEDM)

Concluding Remarks

- Networking among researchers and academics is critical for advancing science, technology & innovation in CCA & DRR:-
 - Availability of data; limited data sets on weather related natural disasters and regional climate change
 - Limited access to scientific data in many sub-regions, particularly at the country level.
 - Incomplete and non-existent scientific records; usually of limited use for modelling and accurate prediction.
 - Limited use of data from geological, archaeological, social and historical studies to provide longer records and provide valuable insights into past impacts.
- Networking among policy and decision-makers (at all levels) with researchers and academics is critical for building capacity as well as developing policy relevant tools and techniques for adaptation governance
- Networking is most effective when its purpose is clear, its members are committed and its mechanism and activities are sustainable.

ACKNOWLEDGEMENT

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THANK YOU!

