



A.R.C. Challenge Malaysia Forum 1

Youth, Climate Change and Cultural Rights

Date: 4 February 2021

Time: 4.30pm to 6.00pm (GMT+8)

Venue: Microsoft Teams



#ARCCChallengeMalaysia #ClimateChange #COP26 #YouthforClimateChange

Welcome

A.R.C. Challenge Malaysia

Forum 1: Youth, Climate Change and Cultural Rights



Sharaad Kuttan

Senior Anchor, Astro Awani

Host of 'Let's Talk with Sharaad Kuttan' and 'Consider This'

Moderator for A.R.C. Challenge Malaysia Forum 1:
Youth, Climate Change and Cultural Rights

House rules

House rules



Cameras and mics will be automatically turned off.



Type your questions in the chat box. Identify if your question is for all the panellists or a specific speaker.



Use the 'raise hand' function for questions during Q&A.

House rules



By attending, you acknowledge that your image and comments may be recorded and re-broadcast.



Let's be respectful of each other during the discussion.

Hashtags

#ARCChallengeMalaysia

#ClimateChange

#COP26

#YouthforClimateChange

#CultureConnectsUs



British Council Malaysia

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Programme

Local Time (M'sia)	Content
16.30 – 16.45	<ul style="list-style-type: none">• Welcome remarks by H.E. Charles Hay, British High Commissioner to Malaysia• Introduction by Florence Lambert, British Council, Head of Arts and Creative Industries
16.45 – 17.05	<ul style="list-style-type: none">• Presentation and Q&A: Response to Climate Change in Malaysia and the UK<ul style="list-style-type: none">• Professor Dr. Joy Jacqueline Pereira, Universiti Kebangsaan Malaysia• Alison Tickell, Director of Julie's Bicycle, UK
17.05 – 17.50	<ul style="list-style-type: none">• Panel discussion and Q&A: Youth voices on a preferable future<ul style="list-style-type: none">• Toh Zhee Qi, Malaysian Youth Delegation• Atteleth Don, Reef Check Malaysia (FameLab International Finalist)• Eliza Collin, sustainable fashion and material designer• Wendy Teo, Borneo Laboratory• Shaq Koyok, artist and advocate for indigenous rights
17.55 – 18.00	<ul style="list-style-type: none">• Closing remarks by Jazreel Goh, Director Malaysia, British Council



Welcoming Remarks

H.E. Charles Hay

British High Commissioner to Malaysia

Introduction

Florence Lambert

British Council, Head of Arts and Creative Industries



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Presentation

Response to Climate change in Malaysia and the UK



Professor Dr. Joy Pereira

Professor and Principal Research Fellow at SEADPRI-UKM

A.R.C. Challenge Malaysia Forum 1
Youth, Climate Change and Cultural Rights, 4 February 2021

Highlights on Climate Change

Joy Jacqueline Pereira FASc.

SEADPRI-Universiti Kebangsaan Malaysia
IPCC WG II Vice Chair




Asian Network on
Climate Science and Technology
(ANCST)

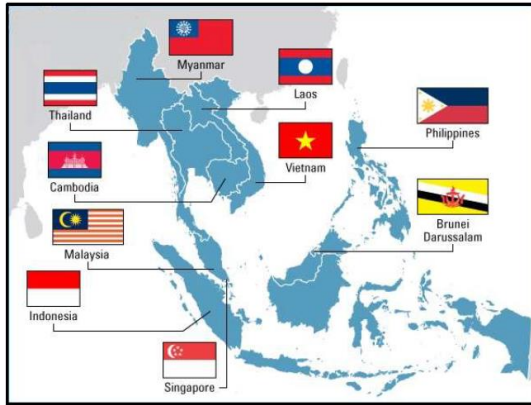
Impacts of global warming 1.5°C

(At 1.5°C compared to 2°C)

- Less extreme weather where people live, including extreme heat and rainfall
- By 2100, global mean sea level rise will be around 10 cm lower but may continue to rise for centuries
- 10 million fewer people exposed to risk of rising seas
- Lower impact on biodiversity and species
- Smaller reductions in yields of maize, rice, wheat
- Global population exposed to increased water shortages is up to 50% less
- Lower risk to fisheries and the livelihoods that depend on them
- Up to several hundred million fewer people exposed to climate-related risk and susceptible to poverty by 2050



Tropical Southeast Asia: projected to experience the largest impacts on economic growth



Is ASEAN ready for a 1.5°C World?

Review of data from AMS (2000–2016):

- ❑ Carbon dioxide and particulate matter (PM2.5) are major risk factors for lung cancer
- ❑ Increasing use of renewable energy and higher healthcare expenditure per capita expected to reduce the lung cancer prevalence

Source: Farhad & Farzad (2020)

<https://doi.org/10.3390/en13071812>; Fong et al. (2020) <https://doi.org/10.1002/sd.2097>

Extreme weather: low-medium level of readiness for extreme rainfall and heat

Region-Specific Projected Impact (extracted from three IPCC Special Reports**)	ASEAN MEMBER STATES (AMS)									
	BD	Cam	Ind	Lao	Msia	Myn	Phi	Sing	Tha	Viet
Heavy precipitation associated with tropical cyclones (medium confidence) ¹	?	👉	?	👉	?	👉	👉	?	👉	👉
Land degradation from combined sea level rise and cyclones jeopardise lives and livelihoods in cyclone prone areas (very high confidence) ²	👉	👉	👉	NR	👉	👉	👉	👉	👉	👉
Increase in the number of hot days in most land regions, with highest increases in the tropics (high confidence) ¹	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
Emergence of unprecedented climatic conditions by the mid to late 21 st century (medium confidence) ²	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
Net reductions in yields of maize, rice, wheat, and potentially other cereal crops (IPCC SR 1.5°C) (high confidence) ¹	😊	👉	😊	👉	😊	👉	😊	👉	😊	😊
Net reductions in the CO ₂ -dependent nutritional quality of rice and wheat (high confidence) ¹	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
Region expected to experience the largest impacts on economic growth due to climate change (medium confidence) ¹	👉	👉	👉	👉	👉	👉	👉	👉	👉	👉
Increase in frequency, duration, extent and intensity of marine heatwaves by 20 times (RCP2.6, medium confidence) ³	👉	👉	👉	NR	👉	👉	👉	👉	👉	👉
Significant changes in wave heights and coastal tidal amplitudes and patterns (high confidence) ³	👉	👉	👉	NR	👉	👉	👉	👉	👉	👉
Decrease in biomass of marine animal communities, production, and fisheries catch potential in all scenarios (high confidence) ³	👉	🚫	👉	NR	👉	👉	👉	👉	👉	👉
Decline in ocean net primary production by 7–16% (very likely range) ³	👉	🚫	👉	NR	👉	👉	👉	👉	👉	👉
Widespread challenges to fisheries governance in regional hotspots (medium confidence) ³	?	?	?	NR	?	?	?	?	?	?
😊 High Level of Readiness: Region-specific projected impact is stated in the NC and adaptation measures are a priority.				🚫	Low Level of Readiness: Region-specific projected impact is not stated in the NC nor is the associated sector a priority for adaptation.					
👉 Medium Level of Readiness: Region-specific projected impact is not stated in the NC but the associated sector is a priority for adaptation.				?	Low Level of Readiness: Region-specific projected impact has to be investigated in the AMS.					
				NR	Not Relevant: Region-specific projected impact is not applicable to the AMS.					

Source:

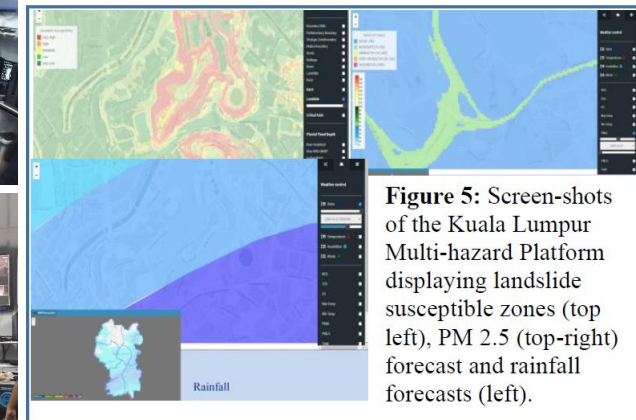
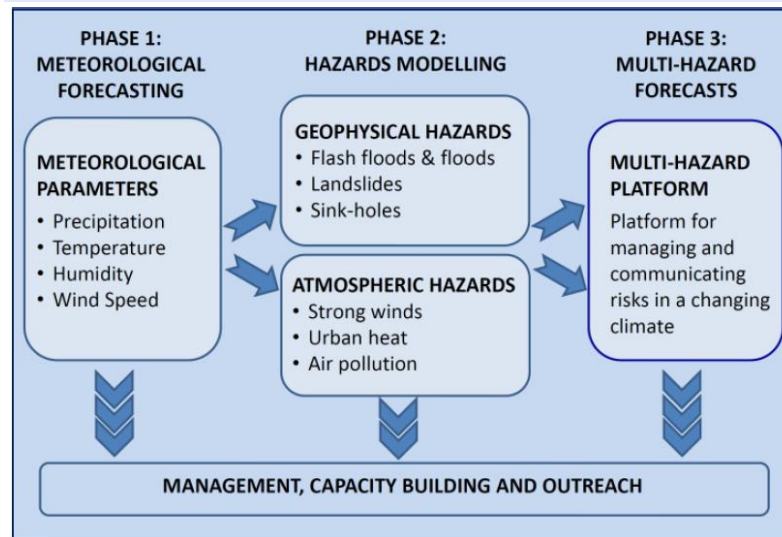
Pereira & Shaw 2021 Springer (forthcoming)

Disaster Resilient Cities: Forecasting Local Level Climate Extremes and Physical Hazards for Kuala Lumpur

PROJECT LEADERS: Prof. Joy Jacqueline Pereira (SEADPRI-UKM) & Prof. Lord Julian C.R. Hunt (Cambridge)

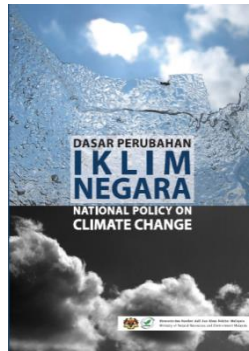
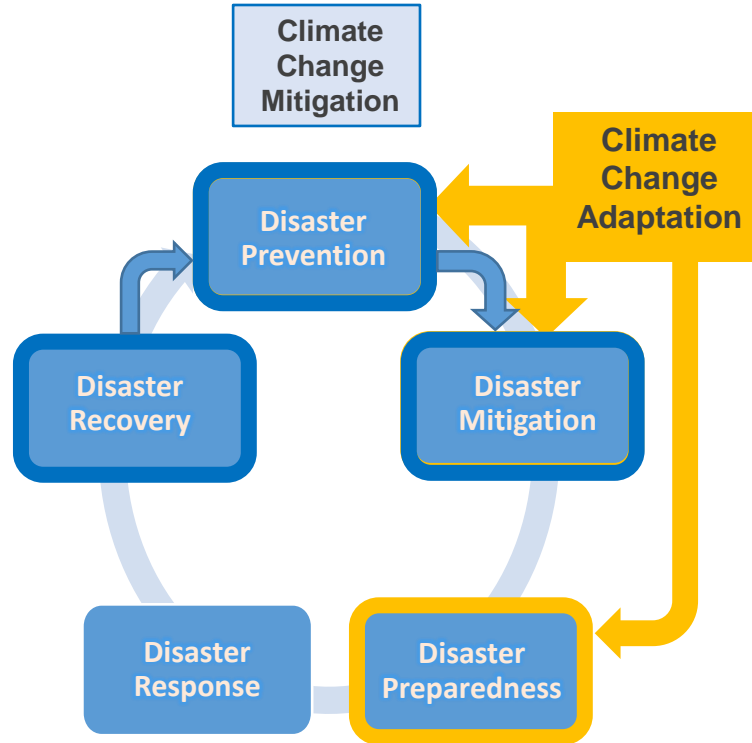
THE CONSORTIUM: 10 Organisations from Malaysia & 6 organisations from the UK

THE END-USER: City Hall of Kuala Lumpur



Disaster Management Cycle as an entry point

Sendai Framework on DRR
SDG 13 on Climate Action
Paris Agreement



Post-COVID-19 – Reset Better

Sendai Framework’s “Build back better”

Role of Youths:

- ☐ Learning from previous resets (i.e. WWI and WW2) - support structural changes centered on human well-being and dignity;
- ☐ Promote just and ethical transformation to limit global warming to 1.5°C;
- ☐ Build resilience from global to local scales; context and area specific needs
- ☐ Address risks across both short-and long term time-scales - open access to information;
- ☐ Enhance digital transformation and connectivity; land-based solutions; promote ecosystem rehabilitation, etc.

Thank you very much!



Alison Tickell

Director of Julie's Bicycle

Julie's Bicycle

CREATIVE • CLIMATE • ACTION



Julie's Bicycle
SUSTAINING CREATIVITY

Culture and creativity powering
climate action



★ net zero carbon ★ restoring nature
★ inspiring public action
★ championing climate justice





Julie's Bicycle
SUSTAINING CREATIVITY

2012

to

2022



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A global network of artists and cultural leaders

**What can culture and creativity do for
the climate challenge?**

Find out more







7

TRENDS



A flourishing earth where culture
is regenerating our living planet





A high-speed photograph of a water droplet in the process of splashing into a pool of water. The droplet is captured at the moment of impact, with a smaller droplet rising above it. The water surface is covered in concentric ripples. The entire scene is set against a solid blue background.

Change culture, culture
changes the world

Thank you
Alison Tickell
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www.juliesbicycle.com
#jb_alison #juliesbicycle #creativeclimate



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Panel Discussion

Youth voices on a preferable future



Toh Zhee Qi
Student and Co-founder of
ECOLAWGY UM



Eliza Collin
Sustainable fashion and
material designer



Shaq Koyok
Contemporary artist and
activist of Temuan tribe



Atteleth Don Peris
Reef Check Programme Manager for
Sustainable Tourism



Wendy Teo
Co-Founder of Borneo Laboratory



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Closing Remarks

Jazreel Goh

Director Malaysia, British Council



Scholarships for Women in STEM

Are you part
of the change
in **STEM**?



<https://bit.ly/36BKEeq>

Scan for more
information and to apply



#WomenInStem

#StemHasNoLimits



Applications close in March 2021

The British Council is looking for women with a background in STEM who can demonstrate their need for financial support and who wish to inspire future generations of women to pursue careers in STEM. Scholarship recipients will receive a scholarship to study a master's degree in a **science**, **technology**, **engineering** or **mathematics** programme at a leading UK university.

Announcement

A.R.C. Challenge Malaysia Grant Winners

Grant Winners

RIPPLE Responsible Innovation Plastics Project for Life & Environment



**Biji-biji Initiative (MY) &
Falmouth University
(England, UK)**

Weaving Hopes for the Future



**Klima Action Malaysia
(MY) & Students for
Global Health (UK)**

VISION - Virtual Impact Story Telling in our Network



**neOOne Associates (MY)
& SEA International CIC
(Scotland, UK)**

Forum 2: Grant Projects Pitching Session

A.R.C. Challenge Malaysia

Date: 25 March 2021

Time: 4.30pm to 6.00pm (GMT+8)

Venue: Microsoft Teams

Feedback Form

Thank you for participating in the forum!

To improve our forum delivery, we would appreciate your feedback.
Please scan the QR code to access the feedback form.

The link is also on the Chat Function.

