



## ASEAN Cooperation on Climate Change Responses

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# Outline

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- I. ASEAN Cooperation on Environment and Climate Change
  - II. Concluding Message



# 1. ASEAN Cooperation on Environment and Climate Change

## Climate Change in Southeast Asia: Recent Status

- Mean temperature increased at 0.1–0.3°C per decade between 1951 and 2000
- Sea levels have risen 1–3 millimeters per year
- Heavy precipitation events rose significantly from 1900 to 2005
- The number of tropical cyclones was higher during 1990— 2003.
- Recorded floods and storms have risen dramatically, particularly in the Philippines, rising from just under **20** during 1960—1969 to nearly **120** by 2000—2008.
- Annual mean temperature is projected to rise 4.8°C on average by 2100 from 1990. Mean sea level is projected to rise by 70 cm during the same period, following the global trend.

Sources: The Economics of Climate Change in Southeast Asia: A Regional Review. Asian Development Bank. 2009. <https://www.adb.org/sites/default/files/publication/29657/economics-climate-change-se-asia.pdf> and Building Resilience for Sustainable ASEAN (from Water-related Disasters). 2016. [http://environment.asean.org/wp-content/uploads/2018/04/Building-Resilience-for-Sustainable-ASEAN-from-Water-Related-Disasters\\_Executive-Summary-Report\\_small.pdf](http://environment.asean.org/wp-content/uploads/2018/04/Building-Resilience-for-Sustainable-ASEAN-from-Water-Related-Disasters_Executive-Summary-Report_small.pdf)

# Global Commitments



## ASCC Community Vision 2025

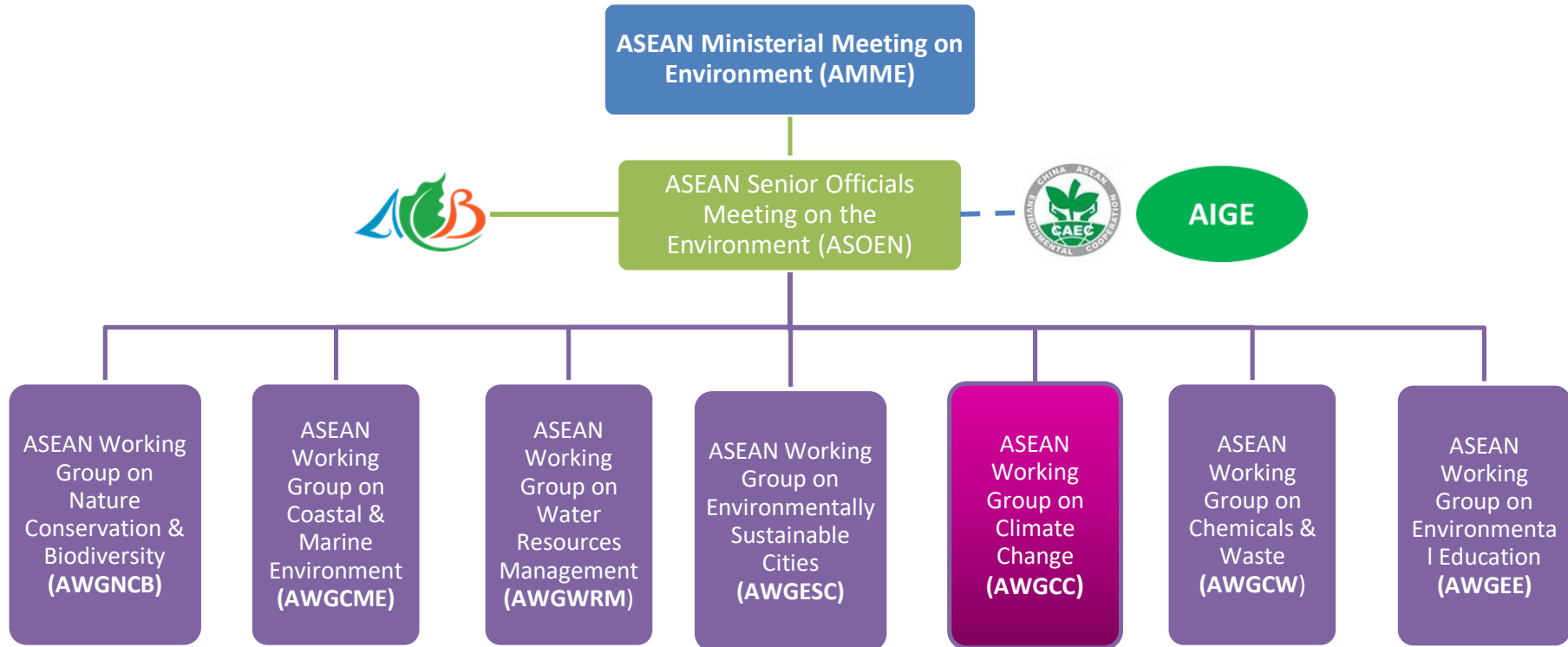
ASEAN Socio-Cultural Community envisions the achievement of a sustainable environment in the face of social changes and economic development.



## ASEAN STRATEGIC PLAN ON ENVIRONMENT

ASCC Blueprint	ASPEN Strategic Priority	Global Priorities
<b>C1. Sustainable Management of Natural Resources</b>	Strategic Priority 1: Nature Conservation and Biodiversity	SDG 15 CBD / Aichi Targets
	Strategic Priority 2: Coastal and Marine Environment	SDG 14
	Strategic Priority 3: Water Resources Management	SDG 6
<b>C2. Sustainable Cities</b>	Strategic Priority 4: Environmentally Sustainable Cities	SDG 11 New Urban Agenda
<b>C3. Sustainable Climate</b>	Strategic Priority 5: Climate Change	SDG 13 UNFCCC
<b>C4. Sustainable Consumption and Production</b>	Strategic Priority 6: Chemicals and Waste	SDG 12 BRS Conventions
	Strategic Priority 7: Environmental Education and Sustainable Consumption and Production	SDG 12

# ASEAN Cooperation on Environment Institutional Framework



## ASEAN Working Group on Climate Change (AWGCC) Action Plan

### Chore Themes

- Adaptation
- Mitigation
- Long term planning and assessment of NDCs
- Climate modelling and assessment
- MRV and GHG stocktaking
- Climate financing
- Technology transfer
- Cross sectoral coordination



## Key Regional Initiatives on Climate Change



## ASEAN Initiatives on Climate Adaptation

- **Enhancing Climate Change Adaptation in Southeast Asia (Phase I):** The project was implemented by Southeast Asia Disaster Prevention Research Initiative Universiti Kebangsaan Malaysia (SEADPRI-UKM) in coordination with other partner institutions from AMS and completed in 2016. The project identified and recommended the priority needs of the selected area in AMS in relation to climate change adaptation. The project also developed ASEAN Adapt , an online platform for AMS to share the experience and best practices in relation to climate change adaptation. The website is currently managed by SEADPRI UKM
- **Climate Change Projections and Assessment of Impacts, Modelling and Capacity Building Programme:** The project was implemented by India Institute of Science Bangalore in coordination with climate change institutes in AMS. The project aims to train and assist climate experts from AMS to analyse the current climate variability, project future climate change impacts to water and forest using the latest climate modeling application. The Project is expected to be completed in July 2017.




## ASEAN Initiatives on Climate Adaptation

- **ASEAN-German Development Partnership: Expert Forum on Creating Pathways for Urban Resilience:** The project was facilitated by German Mission to ASEAN in 2018, and discussed on the interface issues of climate change, cities, and urbanisation. The Expert Forum took stock of current approaches and challenges in building resilient cities within ASEAN and Germany and identified the enabling conditions needed to scale up urban resilience efforts.
- **Advancing ASEAN Initiative on Clean Air, Health and Climate Change:** The project is ongoing implementation and aims to create a common narrative on Clean Air, Health and Climate Change synergy for the ASEAN region; and streamline clean air, health and climate synergies into existing ASEAN platforms and institutional settings within the ASEAN structure.



## 2. Concluding Message

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- Tackling the impact of climate change is among high priorities of ASEAN and the application of Climate Finance is beneficial in boosting ASEAN's engagement and contribution in addressing the issue.
  - ASEAN is addressing climate change through the framework of ASEAN Community building, with strategies and actions to enhance regional and international cooperation in supporting **Climate Change Adaptation, Climate Change Mitigation, Long term planning and assessment of NDCs, Climate modelling and assessment, MRV and GHG stocktaking, Climate financing, Technology transfer and Cross sectoral coordination**



Thank You

This presentation has been prepared by ASEC.