

Key Findings of the Comprehensive Review:

JICA Project for Institutional Capacity Strengthening for
the Implementation of the Bangkok Master Plan on Climate Change
2013-2023 in the Kingdom of Thailand

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Key Findings

Quick Summary of Major Achievements (1)

Mitigation of GHG and Adaptation to Climate Change

- ✓ GHG mitigation is in steady progress as a whole in Bangkok (42.75 million t-CO₂e in 2016)
 - Transport (12.41 million t-CO₂e)
 - Energy (25.81 million t-CO₂e)
 - Solid waste and waste water (4.57 million t-CO₂e)
 - Green Urban Planning (-0.045 million t-CO₂e)
- ✓ Infrastructure development improved resilience of Bangkok against negative impacts of climate change to some extent

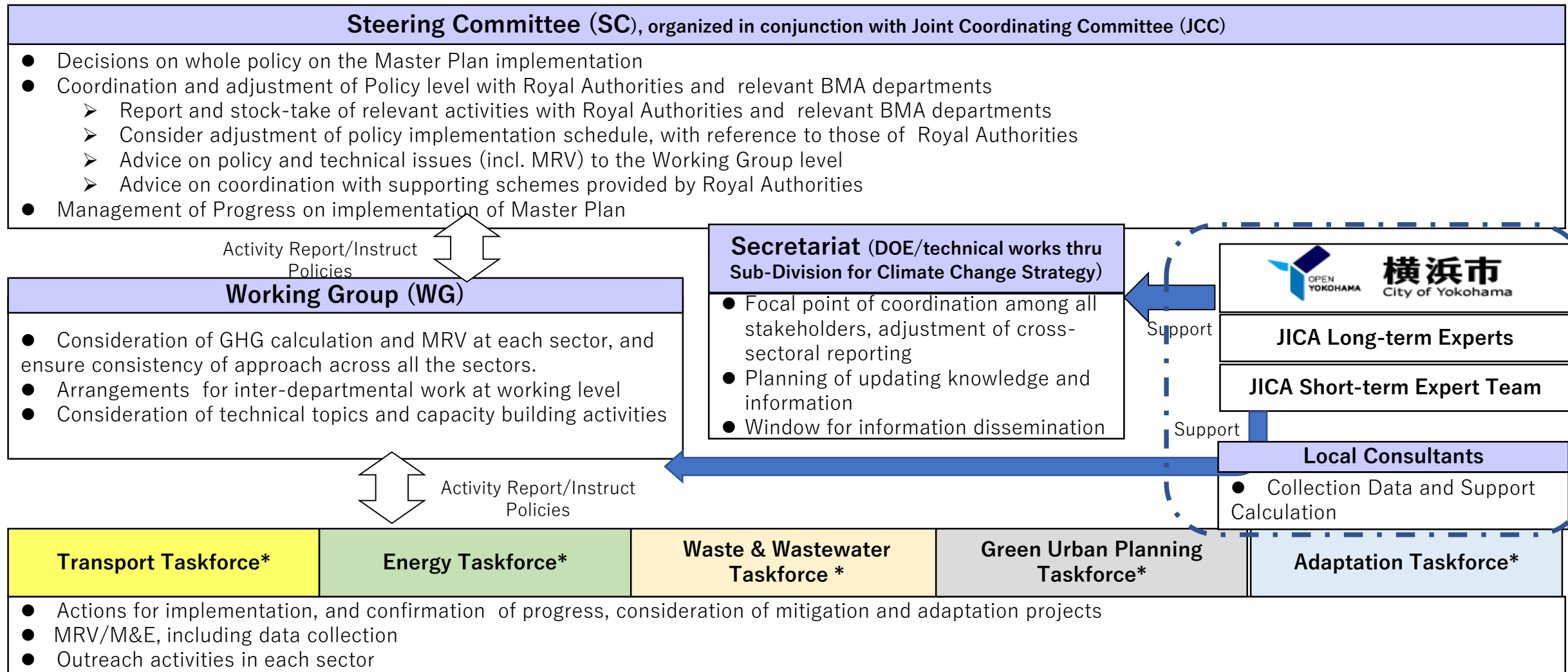
Key Findings

Quick Summary of Major Achievements (2)

Institutional Development

- ✓ The BMA established and strengthened the institutional arrangement for implementing the Bangkok Master Plan on Climate Change.
- ✓ The BMA initiated integrating climate actions into the BMA's planning and budget cycle.

Institutional Arrangement for the Implementation of the Bangkok Master Plan on Climate Change



* Officials from more than 2 departments participate in a TF

* Task Forces are also in close communication and collaboration with relevant Royal Authorities for technical work.

External support by JICA is only available during the Technical Cooperation Project

Consideration on policy and technical issues

- ✓ Selection of priority projects for mitigation and adaptation measures
- ✓ Proposals for budget request of priority projects
- ✓ Measurement, report, and verification (MRV) and monitoring and evaluation (M&E) of projects
- ✓ Comprehensive Review of the Progress of the Master Plan, etc.



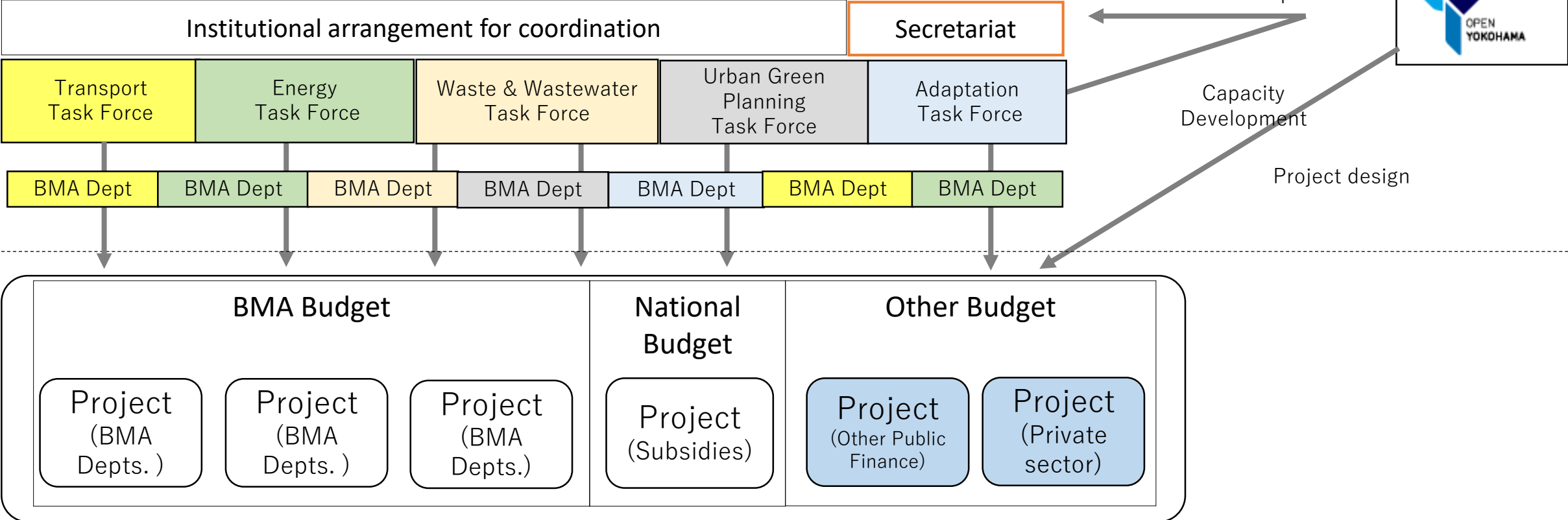
Efforts to integrate climate actions into the BMA's planning and budget cycle

Background: Towards implementation of Bangkok Master Plan

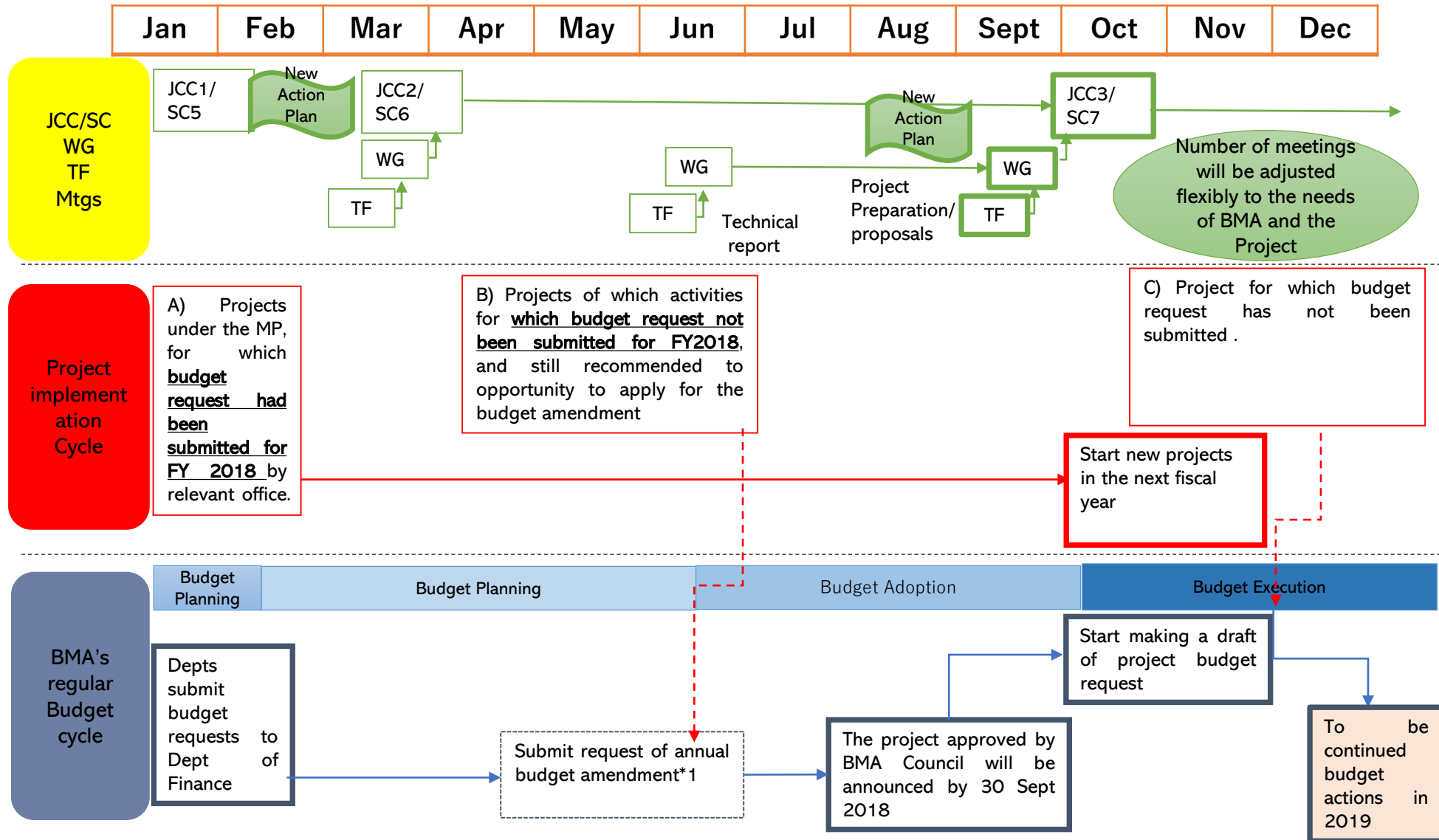


Bangkok Master Plan on Climate Change

Monitoring Evaluation



Alignment of priority project selection with the BMA's planning and budget cycle



- Budget Amendment is the mechanism to revise the working budget of state-supposed auxiliary enterprises accounts to reflect changes that occur through the fiscal year. Once the working budget is completed, it can only be changed by Budget Amendment.
- For this, the conditions applied as 1) the Budget Bureau will only consider the budget request for which projects exist in the BMA Strategic Plan in 2019. 2) The Budget Bureau will only consider the budget request for which project were rejected in the 1st round.

Key Findings

Remaining Challenges

- ✓ Challenges remain in key sectors
 - Efforts to promote energy efficiency are not enough to achieve the target set by the Key Performance Indicators (KPI)
 - Efforts to promotion of energy efficiency and renewable energy in the private sector is limited
 - The BMA in cooperation with the Royal Authorities needs to design and implement effective policy to induce shift from private vehicles
 - Difficulties in tracking the progress of adaptation
- ✓ Needs for strengthening the capacity of the BMA, including the CCS as the focal point
- ✓ Increasing the awareness within the BMA, including high level officials and key departments

Key Findings

Emerging Needs

- ✓ Updating and strengthening climate actions to respond to the Paris Agreement and the Thai Government new climate policy
- ✓ Filling a time gap between the current 2020 target and 2030
- ✓ Local urban challenges, such as PM2.5, should be addressed in combination with climate change issues

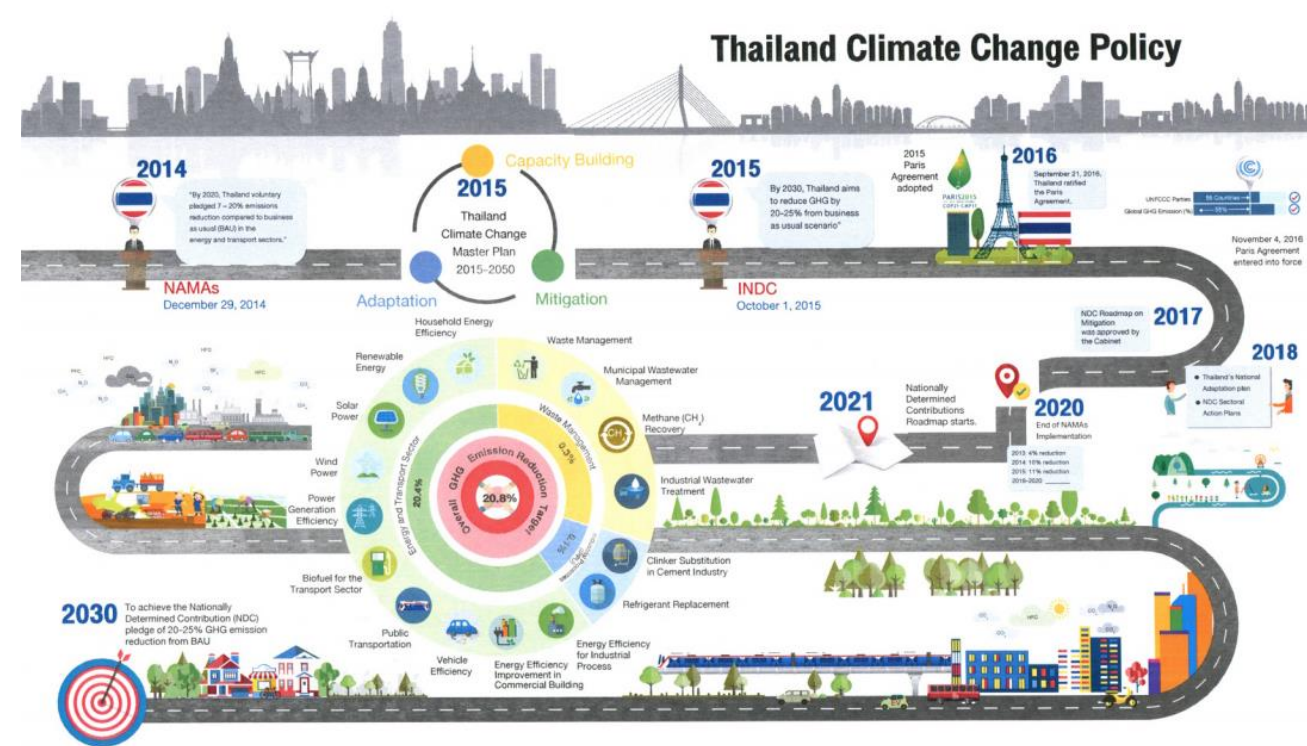


Photo: Bangkok citizens wearing a mask to avoid PM2.5

Key Findings

Ways Forward

- ✓ A new mitigation target at 2030 should be set for the BMA's climate actions.
- ✓ Updating actions mentioned in the NDC Action Plan and NAP is necessary.
- ✓ Mainstreaming climate actions within BMA's policy is crucial, by establishing a stronger linkage with higher policy, such as the Bangkok Strategy for Development.
- ✓ Strengthening collaboration with C40 will provide various opportunities to exchange updated information on climate change policy actions by member cities.
- ✓ Strengthening the capacity of the BMA is important for sustainable efforts to address climate change issues, including the CCS.