



# **Thailand's Participant in Article 6 and expected contribution to NDC ambition**

## **Use of Article 6 under NDC Action Plan and Article 6.2 authorization criteria and process**

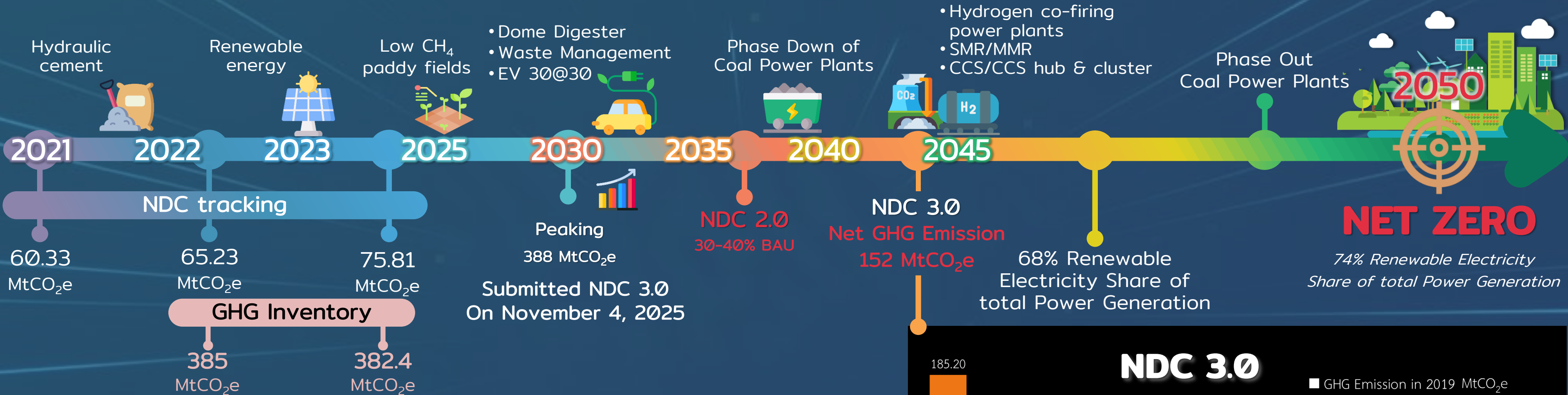
Forum on Promoting Article 6 Business Engagement and  
Matching through the Joint Crediting Mechanism (JCM) in Thailand

December 17, 2025 10:30 – 11:00 At Pullman Bangkok King Power

**Ms. Sunaree Changin**  
**Environmental, (Practitioner Level)**  
**Department of Climate Change and Environment**



# Thailand's Next Move : NET ZERO 2050



## NDC Action Plan 2021 - 2030

*\*The Cabinet approved on December 11, 2024.*

Domestic 184.8 MtCO<sub>2</sub>e (33.3%)

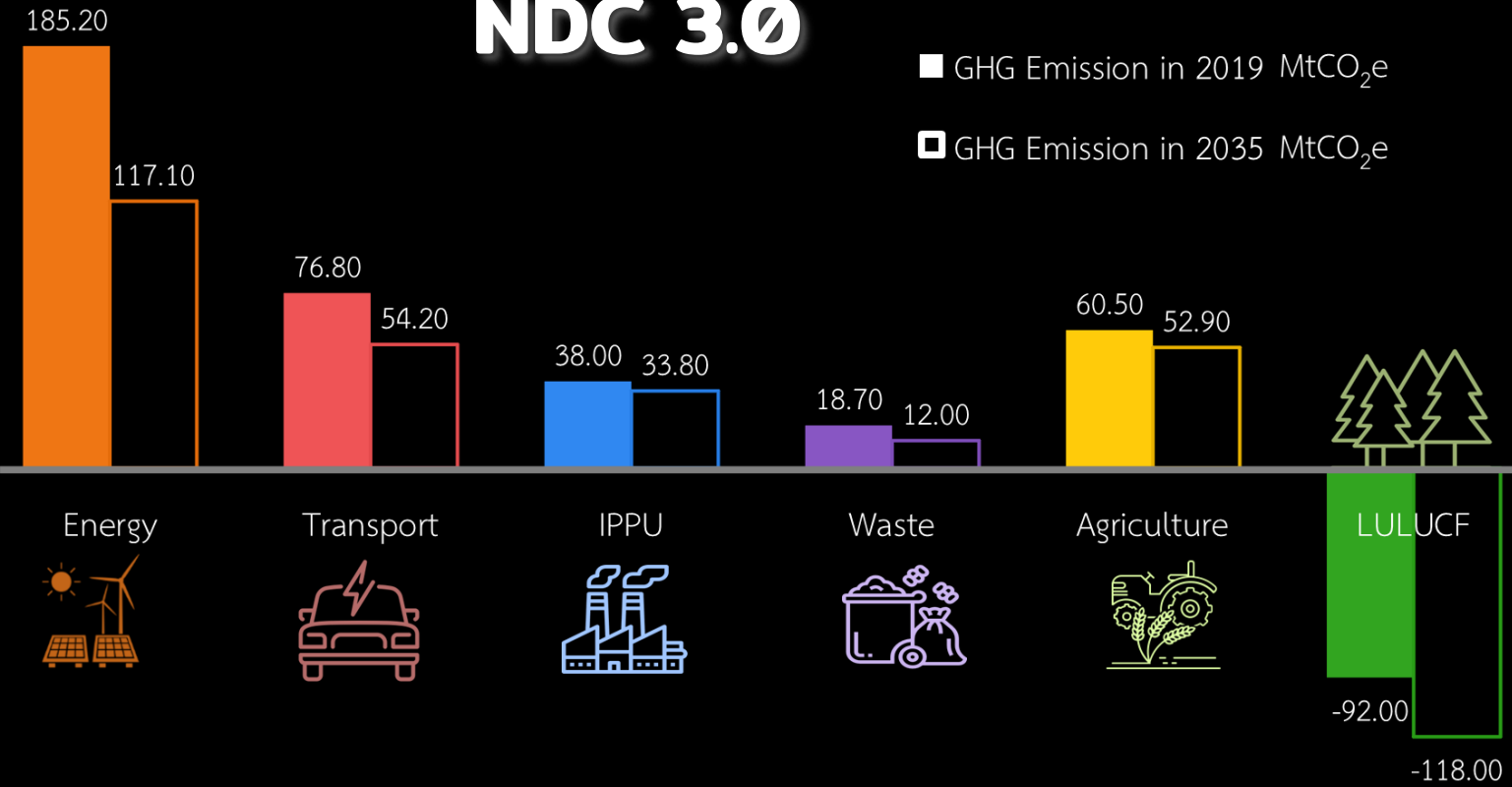
Support 35.7 MtCO<sub>2</sub>e (6.7%)

Article 6 of the Paris Agreement not exceeding 3%

- Consider retaining at least 10% of the carbon credits from the total accumulated credits throughout the transfer period
- Deducted from the amount of carbon credits to be transferred in the final year (NDC target)



## NDC 3.0



*\*The Cabinet approved NDC 3.0 on November 4, 2025, and has submitted it to the UNFCCC Secretariat.*

# Article 6 Implementation Landscape in Thailand



## International Carbon Credit Guideline (Governance Framework)

Ensure integrity, additionality, SD, safeguards  
Define clear roles of A6 Focal point and relevant ministries

### National Arrangements

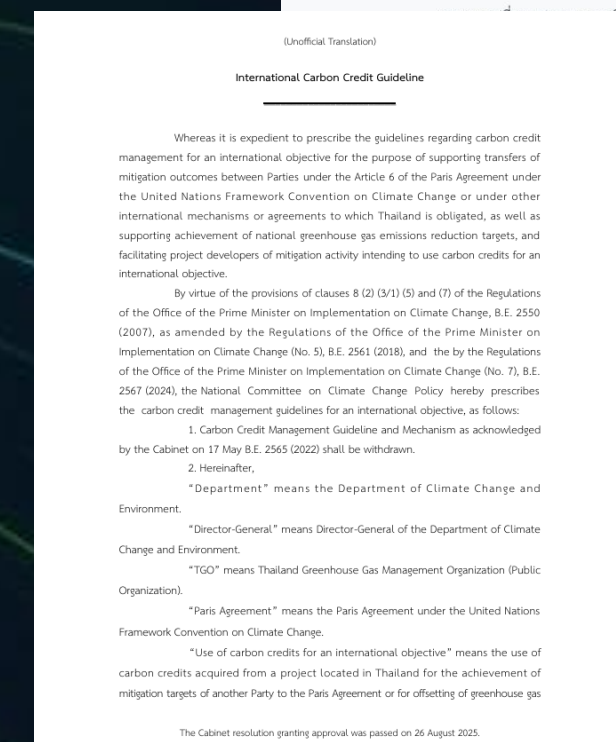
- Authorization Criteria
- Align with NDC Action Plan
- Corresponding Adjustment (CA) to avoid double counting

### National Registry (ITMOs Tracking)

- Record issuance, transfer, use, and cancellation of ITMOs under A6 National Registry by TGO

### Reporting to the UNFCCC

- Prepare and submit Initial Report, AEF a Biennial Transparency Reports (BTRs)
- Perform Corresponding Adjustment





# International Carbon Credit Guideline



## Eligible for Carbon Credit Transfer: International Carbon Credit Guideline

(Approved by the Cabinet on 26<sup>th</sup> August 2025)

### Type 1

#### Capture, storage or utilization



- Carbon Capture and Storage: CCS
- Carbon Capture and Utilization: CCU
- Direct Air Capture: DAC

### Type 2

#### Renewable energy or alternative energy to fossil fuels



- Green Hydrogen Energy
- Tidal energy
- Offshore wind energy
- Geothermal energy
- Sustainable aviation fuel (SAF)
- Production or use of green ammonia in energy and industrial sector

### Type 3

#### Improvement of energy efficiency in buildings, factories or households



- High-efficiency electric furnaces and electric boilers as fossil fuel furnace replacements
- High-efficiency electric motors for industrial processes

### Type 4

#### Improvement of efficiency of electricity or heat generation



- Energy storage
- Green pallet production from agricultural waste for combined heat and power

### Type 5

#### Greenhouse gas reduction in transport sector



- Electrification of transportation systems
- Hydrogen vehicles
- Plug-in hybrid electric vehicles (PHEVs) with a fuel cell
- Electric vehicles or improvement of engine efficiency

### Type 6

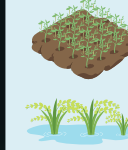
#### Improvement of production process or management of industrial waste



- Improvement of the process or technology of chemical or petrochemical production
- Production of low carbon cement
- Production of methanol using carbon dioxide or green hydrogen
- Reduction of the use of fluorinated gases by avoiding use, substitution, recovery, reuse, reclamation, and environmentally friendly disposal

### Type 7

#### Improvement of production process or management of agricultural and livestock waste



- Soil management
- Methane reduction of rice cultivation
- Improvement of animal feeds
- Improvement of animal breeds
- Production of advanced bio methanol from agricultural waste and scraps

### Type 8

#### Improvement of production process or management of agricultural and livestock waste



- Technology for decomposing of food waste
- Community's wastewater treatment system

### Type 9

#### Emission reduction from forest areas



- Restoration of degraded forests
- Sustainable forest management
- Forestation for carbon sequestration

### Type 10

Other project types as approved by the National Committee on Climate Change Policy and consistent with national mitigation plan, policy or measures.

# Project Criteria and Evaluation Conditions



## Project Criteria

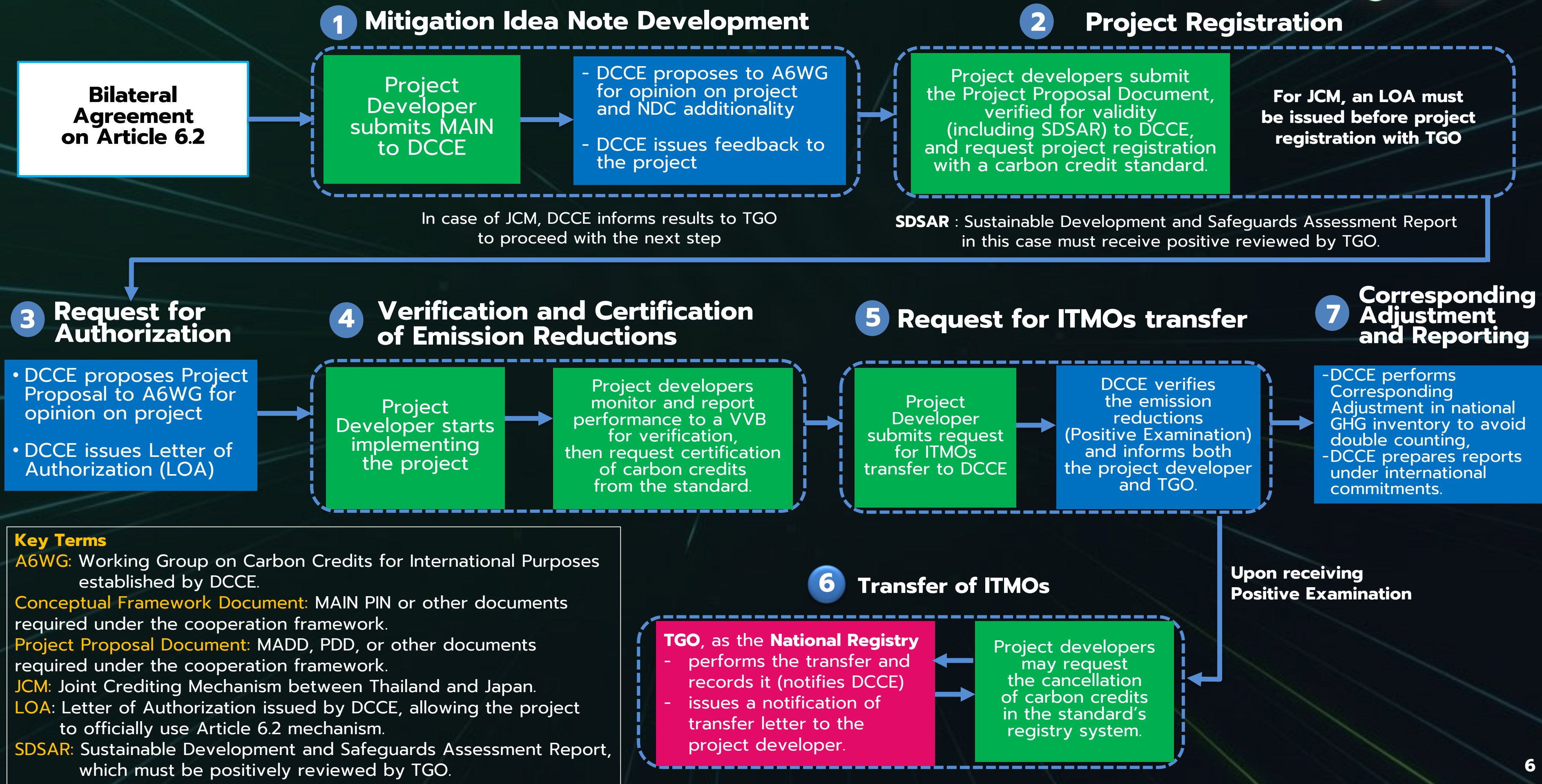
- The project must generate GHG reductions or enhanced sinks **additional to Thailand's NDC Action Plan**.
- It must specify requirements for the **crediting period, corresponding adjustment**, and reporting consistent with the **national GHG inventory** and international obligations.
- support **Thailand's LT-LEDS**, including carbon neutrality, net-zero targets, and sustainable development.
- enhance local capacity through **technology/knowledge transfer** or involve substantial investment enabled by mitigation outcomes.
- Mitigation outcomes must be **MRV** and certified in **tons of carbon dioxide equivalent**.

## Evaluation Conditions

- The project must align with **Thailand's international commitments** and national mitigation **policies and plans**.
- Total carbon credits for international use must remain **within the NDC Action Plan cap. (3% or 16.7 MtCO<sub>2</sub>e)**
- **Benefit-sharing** or carbon credit allocation to Thailand must be reasonable and appropriate.
- Carbon credits acquired from project implementation must **align with the NDC Action Plan**, including any requirements related to **corresponding adjustments**.

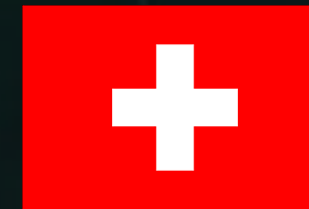
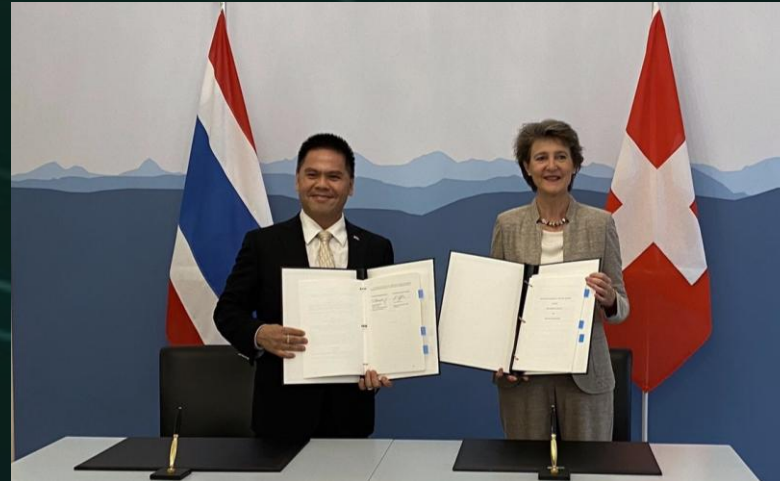


# Thailand's Process on Article 6.2 Implementation

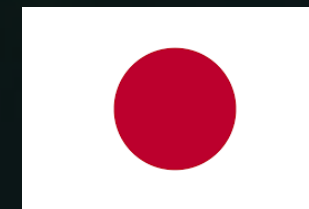




# Cooperative Approach



- Thailand and Switzerland Implementation Agreement, Signed on 24 June, 2022
- **Bangkok E-Bus Programme**  
1<sup>st</sup> ITMOs transferred 1,916 tCO<sub>2</sub>eq  
(Max. 500,000 tCO<sub>2</sub>eq 2022-2030)



- Thailand and Japan Memorandum of cooperation under the Joint Crediting Mechanism (JCM), Signed on 8 July, 2024
- **Project Introduction of 5MW floating Solar power system on industrial water reservoir in Thailand**  
1<sup>st</sup> ITMOs transferred 1,009 tCO<sub>2</sub>eq  
(Max. 12,760 tCO<sub>2</sub>eq 2021-2030)



- Thailand and Singapore Implementation Agreement to collaborate on carbon credits under Article 6 of Paris Agreement, Signed on 19 August, 2025
- **Announced Eligible list on 17 November 2025 at COP30**



# Thailand's Progress




- Submitted its updated initial report under Article 6.2 of the Paris Agreement, demonstrating capacity and readiness for international cooperation.
- Submitted the BTR1 report, which includes information on ITMOs and the emission balance related to the transfer of ITMOs in 2022.
- Projects issued with Letters of Authorization (LOAs), 3 Projects
  1. Bangkok E-Bus Programme (ITMOs transferred 1,916 tCO<sub>2</sub>eq)
  2. Project Introduction of 5MW floating Solar power system on industrial water reservoir in Thailand (ITMOs transferred 1,009 tCO<sub>2</sub>eq)
  3. Introduction of 0.8MW Solar Power System and High Efficiency Refrigerator to Food Factory
- Thailand is scaling up carbon-credit infrastructure
  - Relevant information and documents have been published on the DCCE website.
  - The A6 Portal is currently under development.



# https://www.dcce.go.th/article6




**กรมการเปลี่ยนแปลงสภาพภูมิอากาศและสิ่งแวดล้อม**  
 Department of Climate Change and Environment

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## การใช้คาร์บอนเครดิตเพื่อวัตถุประสงค์ระหว่างประเทศ (Article 6 of the Paris Agreement)

คำค้นหา

ศูนย์ข้อมูลกลาง


พ.ร.บ. การเปลี่ยนแปลงสภาพภูมิอากาศ

นโยบาย ยุทธศาสตร์ และการประชุมระดับประเทศ

การประชุมด้านสภาพภูมิอากาศโลก (Conference of Parties: COP)

รายงานระดับชาติ

แผนปฏิบัติการลดก๊าซเรือนกระจกของประเทศ



**นโยบายของไทยในการดำเนินงานตามข้อ 6 ของความตกลงปารีส (Thailand's policy for the implementation of Article 6 of the Paris Agreement)**

18 ส.ค. 68 | 1368



**ข้อตกลงความร่วมมือ (Cooperative approaches)**

18 ส.ค. 68 | 264



- D** Digitalization
- C** Collaboration
- C** Climate Action
- E** Environmental Responsibility

**Department of Climate Change and Environment**  
**Ministry of Natural Resources and Environment**