

## **Progress on the JICA Project for Strengthening Capacity Pertaining to National Reporting Obligation to the UNFCCC under the Enhanced Transparency Framework**

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### **Abstract**

The Enhanced Transparency Framework (ETF) under Article 13 of the Paris Agreement requires Parties to report information necessary to track progress towards their Nationally Determined Contributions (NDCs) and submit national GHG inventories in accordance with the Modalities, Procedures and Guidelines (MPGs) and IPCC good practice. Malaysia submitted its first Biennial Transparency Report (BTR) in December 2024, marking an important milestone in its transition from MRV arrangements under the Convention to ETF implementation. Against this background, the Ministry of Natural Resources and Environmental Sustainability (NRES) and the Japan International Cooperation Agency (JICA) are implementing a three-year technical cooperation project from October 2024 to October 2027 to strengthen Malaysia's institutional and technical capacity for GHG inventory development, NDC tracking, F-gas emission estimation and BTR preparation.

Since its commencement, the project has advanced through coordinated technical and institutional activities aimed at supporting Malaysia's transition to full ETF implementation. Activities include workshops and expert consultations on GHG inventory development and NDC tracking; capacity-building on the waste sector, including application of the First-Order Decay model; technical sessions on F-gases methodology and survey design; capacity-building on LULUCF, agriculture and waste; exchanges on carbon pricing, market mechanisms and facility-level GHG reporting; and a study visit to Japan covering GHG inventory sectors, Article 6 and NDC tracking. Outreach and knowledge exchange were also promoted through Malaysia-Japan Environment Week in conjunction with the International Greentech & Eco Products Exhibition and Conference Malaysia (IGEM), workshops and related events.

Among the activities undertaken to date, three representative outputs are presented as examples of progress achieved toward strengthening Malaysia's readiness for reporting under the ETF. First, the project developed Version 1.0 of the SOP for the energy-sector GHG inventory as the initial step toward developing Standard Operating Procedures for Malaysia's national GHG inventory, clarifying data flows, institutional roles and documentation requirements. Second, to facilitate domestic preparation of BTR information related to NDC tracking, the project developed practical guidance that interprets relevant elements of the ETF MPGs and outlines how each requirement could be addressed within Malaysia's national context, including information needs and reporting approaches. Third, the project conducted Factor Decomposition Analysis based on the Kaya identity, using Malaysia's own national data, to support evidence-based interpretation of the factors driving emissions trends and to inform future NDC tracking.

These representative outputs have been shared with members of the GHG Inventory Technical Working Group and/or Sub-Working Groups. Building on the progress achieved to date, the project will continue to contribute to strengthening Malaysia's ability to produce more accurate, transparent and consistent reporting in accordance with the Paris Agreement, thereby supporting effective global climate action.

### **References/ Publications**

JICA-NRES joint technical cooperation project to tackle climate change was held (JICA Website)

### **Access to relevant information**

[https://www.jica.go.jp/english/overseas/malaysia/information/press/2025/1576320\\_59631.html](https://www.jica.go.jp/english/overseas/malaysia/information/press/2025/1576320_59631.html)

[https://www.jica.go.jp/english/overseas/malaysia/information/topics/2025/1572589\\_59632.html](https://www.jica.go.jp/english/overseas/malaysia/information/topics/2025/1572589_59632.html)