



JCM THE JOINT CREDITING
MECHANISM

Joint Crediting Mechanism(JCM) toward higher ambition of NDC

Satoru Iino

Office for the Joint Crediting Mechanism & International Carbon Market

Ministry of the Environment, Japan

@UNFCCC Article 6.2 Ambition Dialogue

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Ministry of the Environment

1. How does Article 6 contribute to raising ambition, and how has this been reflected in the development of new NDC 3.0 targets?
2. What role does Article 6 play in implementing NDCs and enhancing ambition in both the short and long term?

[Short term]

- Introduction and sector-wide deployment of various decarbonized technologies

[Long term]

- Establishment of new standards

Over 270 projects in 30 partner countries

Renewable Energy



Solar power, FARMLAND Co., Ltd., Chile



Floating Solar PV, TSB Co., Ltd., Thailand



Hydro Power Plant, Toyo Energy Farm Co., Ltd., Indonesia



Biogas Power Generation, ITOCHU Corporation, Philippines



Binary Power Generation Project at Geothermal Power Plant, MHI, Ltd., Philippines

Energy efficiency [Consumer sector]



Energy saving at convenience stores, Panasonic, Indonesia



High-efficiency refrigerator, Mayekawa MFG, Indonesia

Energy efficiency [Industrial sector]



Optimization in petroleum refining plant, Yokogawa Electric Corp. Indonesia



Energy-saving of mobile communications base transceiver stations, KDDI Corp. Indonesia

Effective Use of Energy

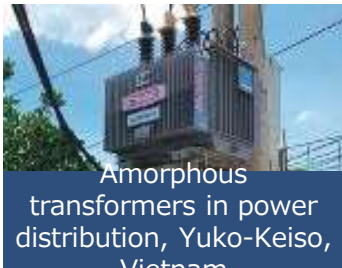


Gas Co-generation System and Absorption Chiller, Kansai Electric Power, Thailand

Energy efficiency [Urban sector]



LED street lighting system with wireless network control, MinebeaMitsumi, Cambodia



Amorphous transformers in power distribution, Yuko-Keiso, Vietnam

Waste



Power Generation with Methane Gas Recovery System, NTTDATA, Mexico



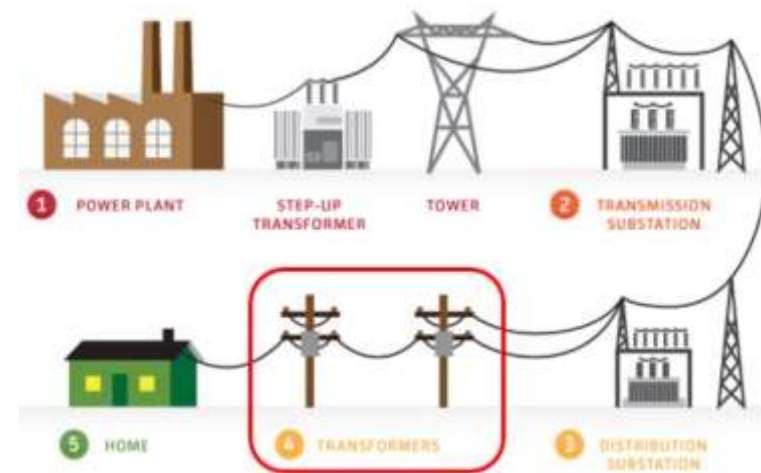
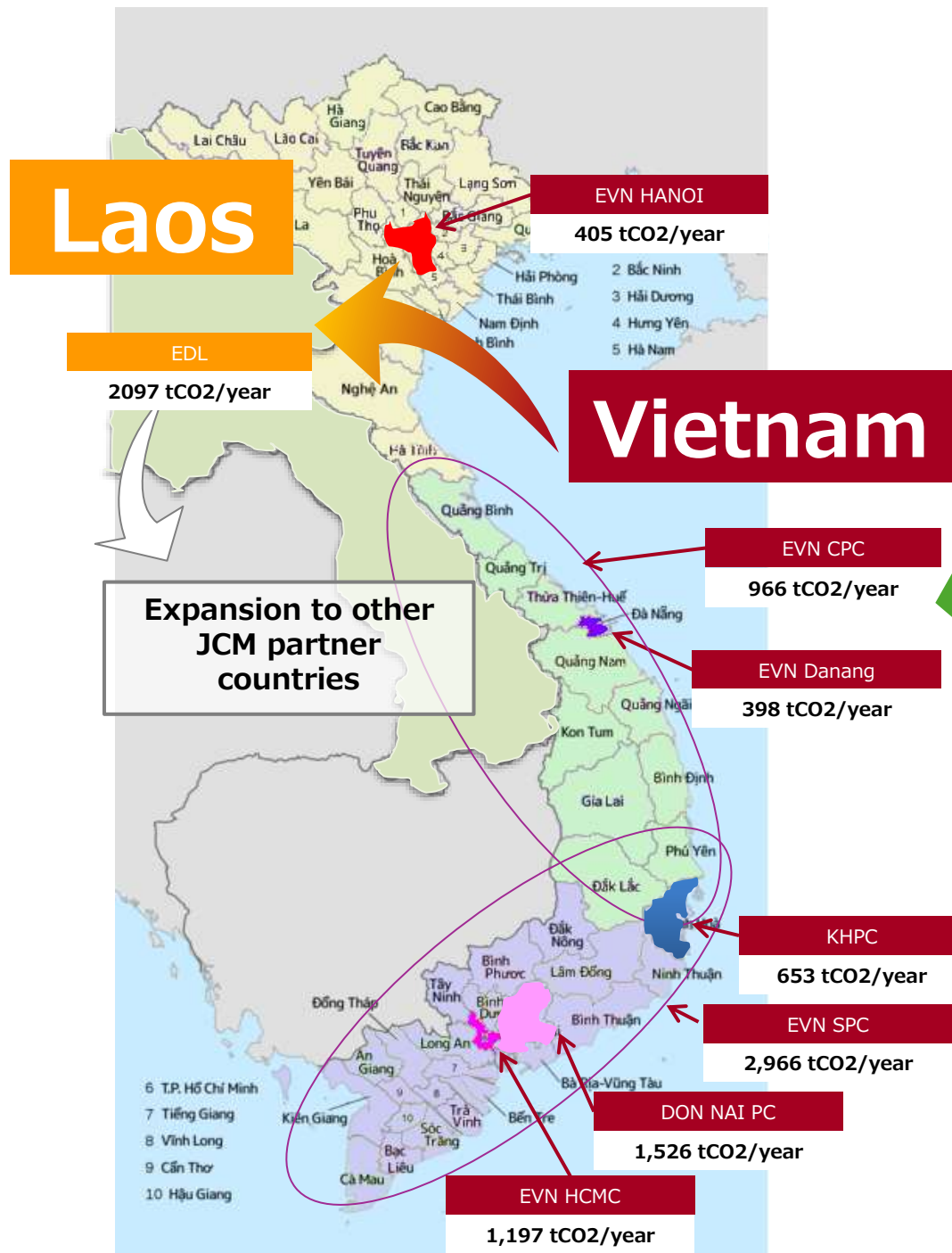
Waste to Energy Plant, JFE engineering, Myanmar

Transport



CNG-Diesel Hybrid Public Bus, Hokusan Co., Ltd., Indonesia

Amorphous transformer in Vietnam and Laos



3. What are the main **enablers** and barriers in developing or implementing Article 6 activities, and what lessons can be drawn from these experiences?

[Demand]

- High NDC ambition
- Robust domestic compliance market (GX-ETS 2026)

[Supply]

- Technology
- Finance
- Human resource

[Market]

- Information
- Infrastructure

Barriers for Article 6

3. What are the main enablers and **barriers** in developing or implementing Article 6 activities, and what lessons can be drawn from these experiences?

	Barriers	Solution
① Clarity	Unconfidence in acquisition of credits	Send upfront clear signal
② Time/Cost	Complicated process	Streamline process
③ Resource	Constraint of human resource.	Enhance mutual capacity building