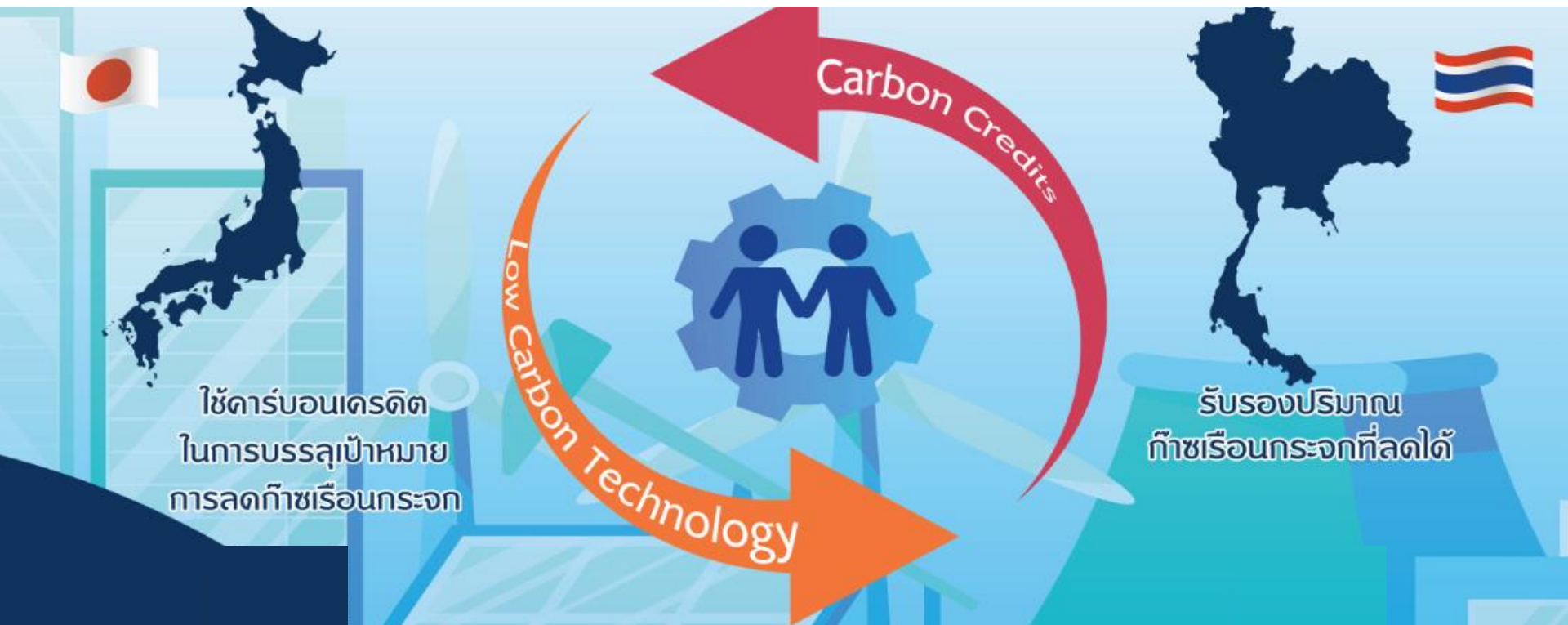




Updates on Thailand NDCs and JCM Status



Dr. Paweena Panichayapichet, Thailand Greenhouse Gas Management Organization

Seminar on the Joint Crediting Mechanism/IGES, 16 February 2021 (on-line)

Nationally Appropriate Mitigation Actions (NAMAs)

“Thailand will endeavor, on a voluntary basis, to reduce its GHG emissions in the range of 7 to 20 percent below the Business as Usual (BAU) in energy and transportation sectors by 2020, subject to the level of international support provided [...]”

Coverage:

RE

EE

Bio-fuels

Transport

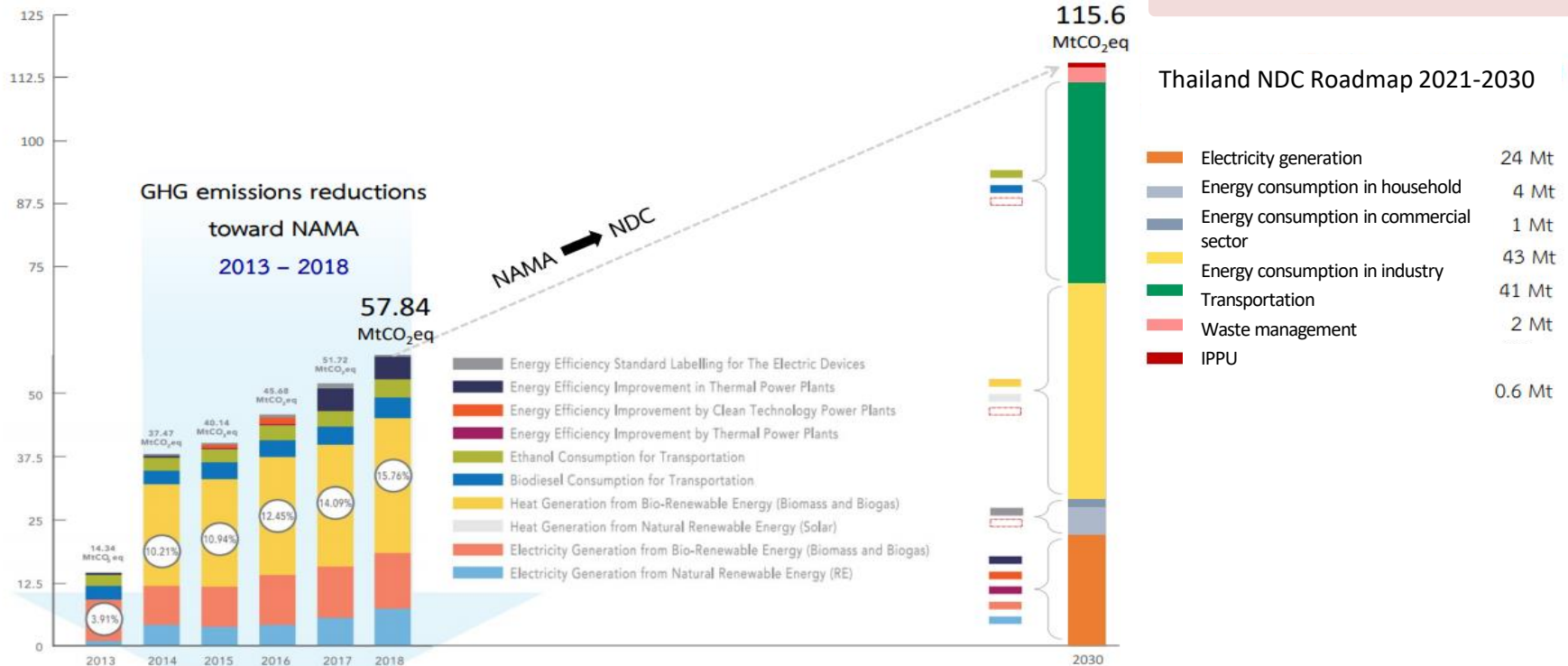
Nationally Determined Contribution (NDC)

“Thailand intends to reduce its greenhouse gas emissions by 20 percent from the projected business-as-usual (BAU) level by 2030. The level of contribution could increase up to 25 percent, subject to adequate and enhanced [support] through a balanced and ambitious global agreement [...]”

Coverage:

Economy-wide

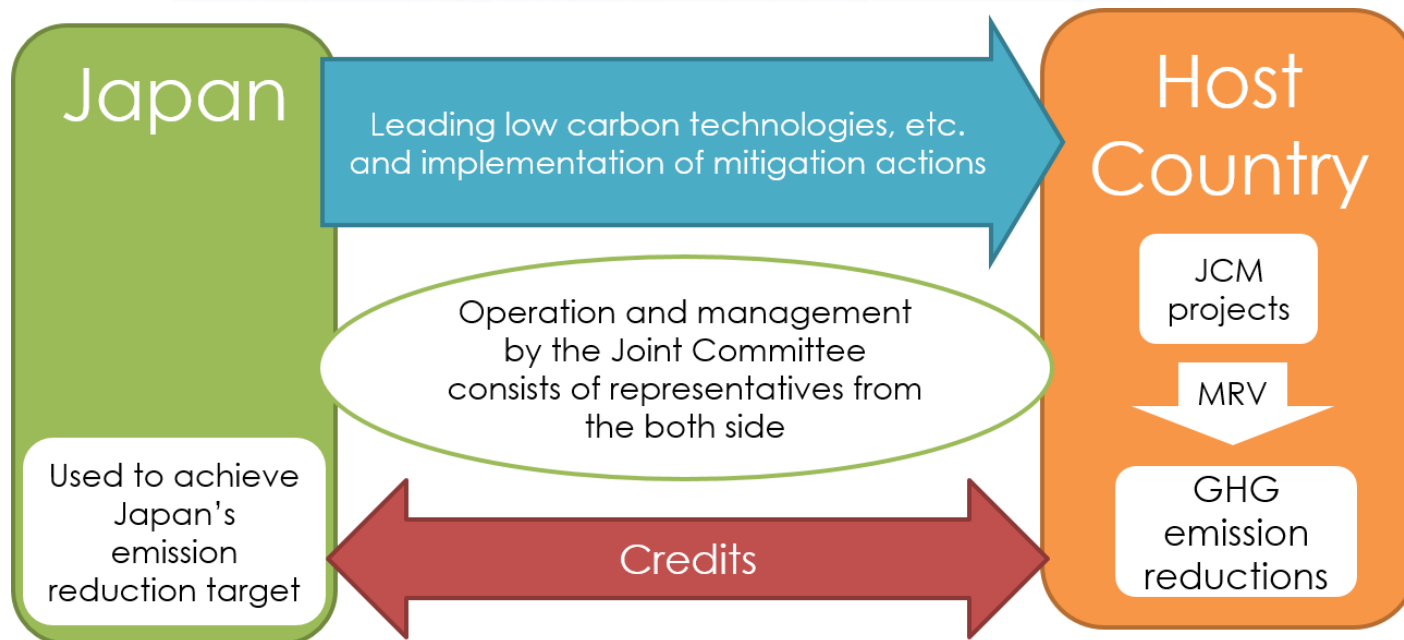
Inclusion of LULUCF will be decided later



Thailand NDCs and JCM

International market-based cooperation

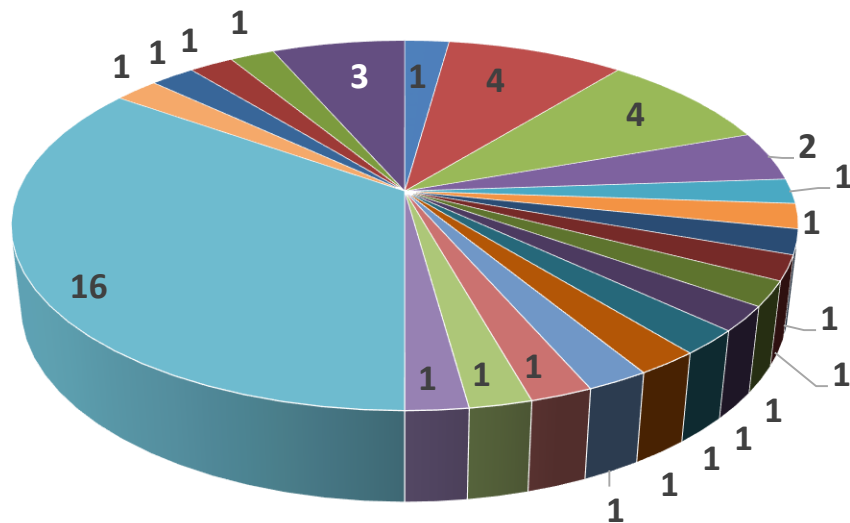
Thailand recognizes the important role of international market-based cooperation in contributing to the mitigation of greenhouse gas emissions and promoting sustainable development. Thailand will continue to explore the potentials of bilateral, regional and multilateral market-based cooperation, including in the context of Article 6 of the Paris Agreement, that can facilitate, expedite and enhance technology development and transfer, capacity building and access to financial resources that support Thailand's sustainable transition towards low-carbon and climate-resilient growth.



JCM Status

Project type	No. of project	Expected GHG emission reduction (tCO ₂ e/year)
Energy efficiency	19	83,536
Renewable energy	19	121,432
	38	204,968

number of project categorized by technology



- air-conditioning
- refrigerator
- swirling induction
- fridge showcase
- waste heat recovery
- LED
- gas fired melting furnace
- loom
- solar
- biomass boiler
- power generation by waste heat
- chiller
- absorption chiller
- heat pump
- boiler
- heat exchanger
- air compressor
- air conditioning control
- electrolyzer
- biomass power plant
- biomass co-generation
- NG co-generation

JCM Status

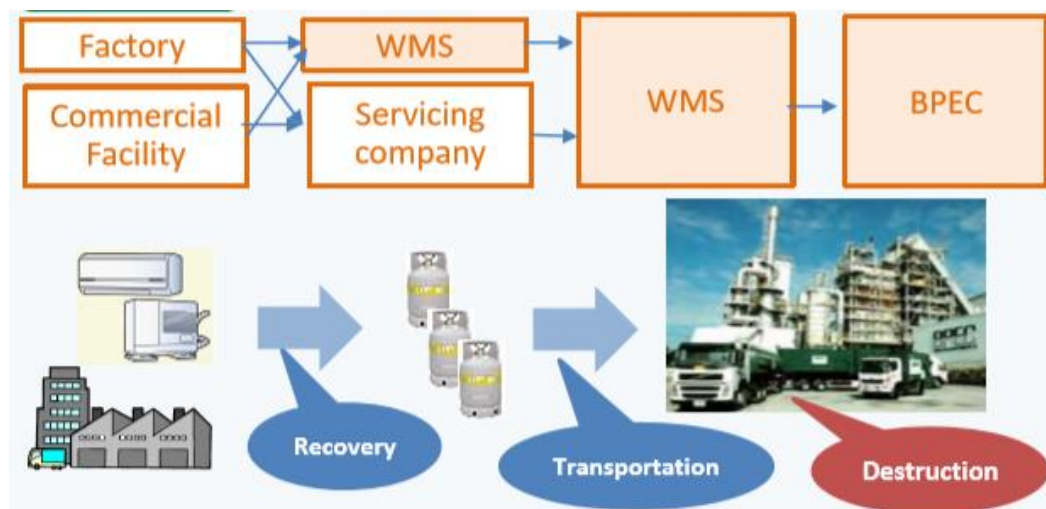
Project	Number of Project	GHG emission reduction	
		Registered (tCO ₂ e/y)	Issued (tCO ₂ e)
JCM Model Projects	38	204,968	-
Registered Projects	8	49,859	-
Projects with issued credits	5	5,415	4,032
			Allocation of credits
			Thailand Japan
			2,015 2,017

Contribution of JCM to NDCs

Activities	Emission reduction MtCO ₂		% of contribution*
	NDC (2030)	JCM (2019)	
Renewable energy -- biomass	64.94	0.048	≤ 0.08/2
Renewable energy -- solar	4.93	0.072	≤ 1.47/2
Energy conservation in factory and building	5.86	0.083	≤ 1.42/2

* At least 50% of credits must be allocated to the Japanese side.

JCM F-gas Recovery and Destruction Model Project



Results and Planned Quantity of Destruction in FY2019 and FY2020

Source	Results in FY2019 (from Feb. 2020 to Mar.2020)	Results in FY2020 (from Apr. 2020 to Mar.2021)
✓ Factory [Main] (Manufactures of refrigeration and air conditioning equipment, Food Manufactures, etc.)	HFC [Main] ✓ HFC-410A : 2,730 kg* (5,705 tonCO ₂ eq) (GWP: 2090) ✓ HFC-404A : 470 kg (1,840 tonCO ₂ eq) (GWP: 3,920)	HFC [Main] ✓ HFC-410A : 11,350 kg (23,740 tonCO ₂ eq) (GWP: 2090) ✓ HFC-32 : 2,540 kg (4,597 tonCO ₂ eq) (GWP: 1810)
✓ Others [Sub] R-12 from Thailand custom department	Others [Sub] ✓ CFC-12* : 4,463 kg (48,647 tonCO ₂ eq) (GWP: 10,900)	Others [Sub] ✓ HCFC-22 : 2,540 kg (1,714 tonCO ₂ eq) (GWP: 675) ✓ CFC-12* : 5,000 kg (54,500 tonCO ₂ eq) (GWP: 10,900)



ขอบคุณครับ/ค่ะ

Thank you for your attention



**Thailand Greenhouse Gas Management Organization
(Public Organization): TGO**

**The Government Complex, Ratthaprasasanabhakti Bldg.,
9th Fl., 120 Chaengwattana Rd., Laksi, Bangkok 10210
paweenatgo@tgo.or.th**