



# **Indonesia's Implementation for Paris Agreement and Expectation for JCM**

**Indonesia JCM Secretariat  
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# Nationally Determined Contribution Indonesia

(revised version 2021)

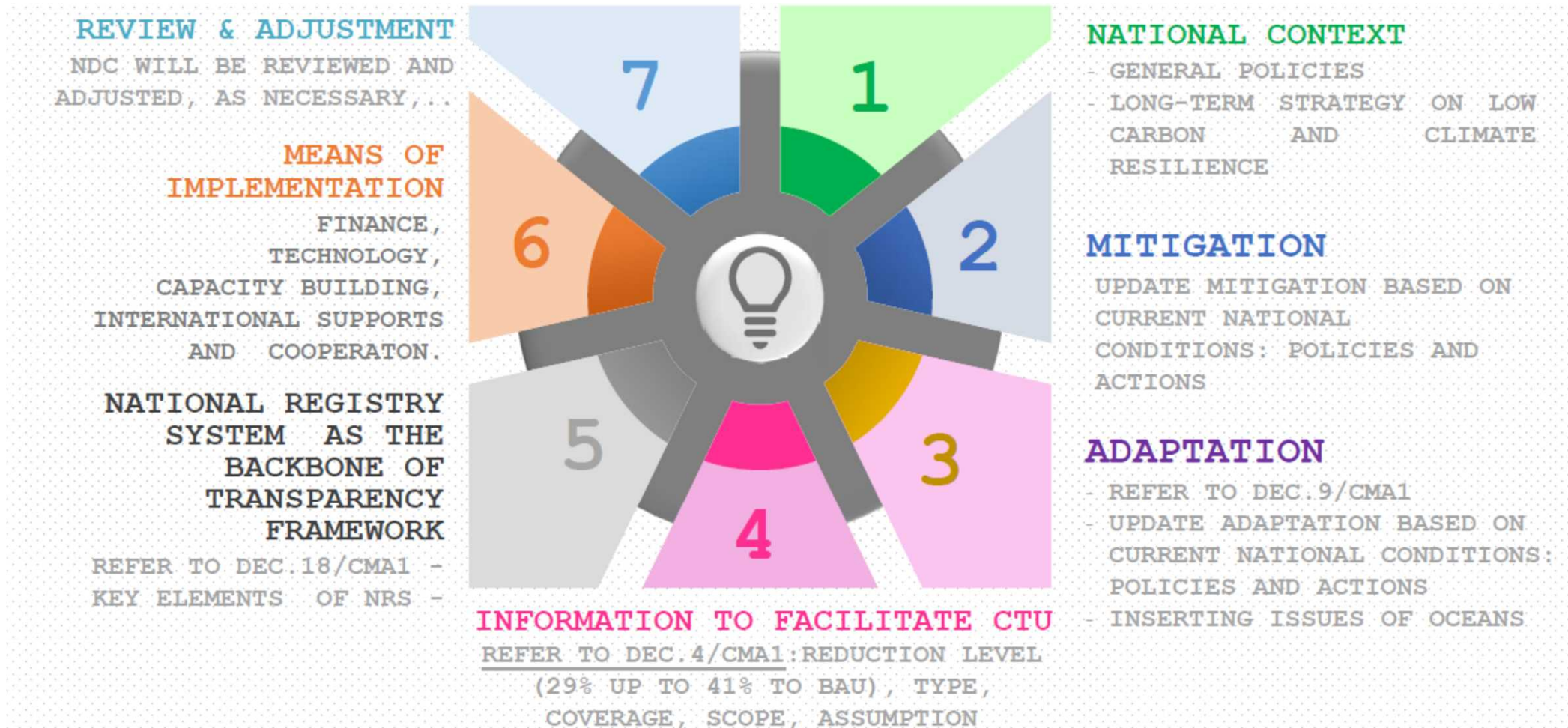
Sector	GHG Emission Level 2010* (MTon CO <sub>2</sub> e)	GHG Emission Level 2030			GHG Emission Reduction				Annual Average Growth BAU (2010-2030)	Average Growth 2000-2012
		MTon CO <sub>2</sub> e			MTon CO <sub>2</sub> e		% of Total BaU			
		BaU	CM1	CM2	CM1	CM2	CM1	CM2		
1. Energy*	453.2	1,669	1,355	1,407	314	441	11%	15.5%	6.7%	4.50%
2. Waste	88	296	285	270	11	26	0.38%	1.0%	6.3%	4.00%
3. IPPU	36	69.6	66.85	66.35	2.75	3.25	0.10%	0.11%	3.4%	0.10%
4. Agriculture	110.5	119.66	110.39	115.86	9	4	0.32%	0.13%	0.4%	1.30%
5. Forestry and Other Land Uses (FOLU)	647	714	217	68	497	692	17.2%	24.5%	0.5%	2.70%
TOTAL	1,334	2,869	2,034	1,927	834	1,166	29%	41%	3.9%	3.20%

\*Including fugitive

Notes: **CM1**= Counter Measure 1 (*unconditional mitigation scenario*)

**CM2**= Counter Measure 2 (*conditional mitigation scenario*)

# Structure of Indonesia NDC



Source: The Climate Change Director General of the MOEF presentation 25/08/21

# Indonesia Paris Agreement implementation elements



Source: The Climate Change Director General of the MOEF presentation 25/08/21

# How to finance climate change mitigation?

## Climate Change Mitigation Financing

carbon pricing

Government Budget

Private Investment

FDI

market based mechanism

Non-market

National and regional budget

PPP and private investment

Private and Government Investment

- ◆ The implementation of carbon pricing becomes very interesting because **the results are always transparent, accountable, permanent, and avoid double counting.**
- ◆ Carbon pricing allows the implementation of emission reductions that are **more competitive and cost efficient** than doing it yourself, but still maintain the quality of emission reduction results.
- ◆ The scope of carbon pricing is very broad, now it is operated to meet **the needs of not only the state but also common people and the private sector.**

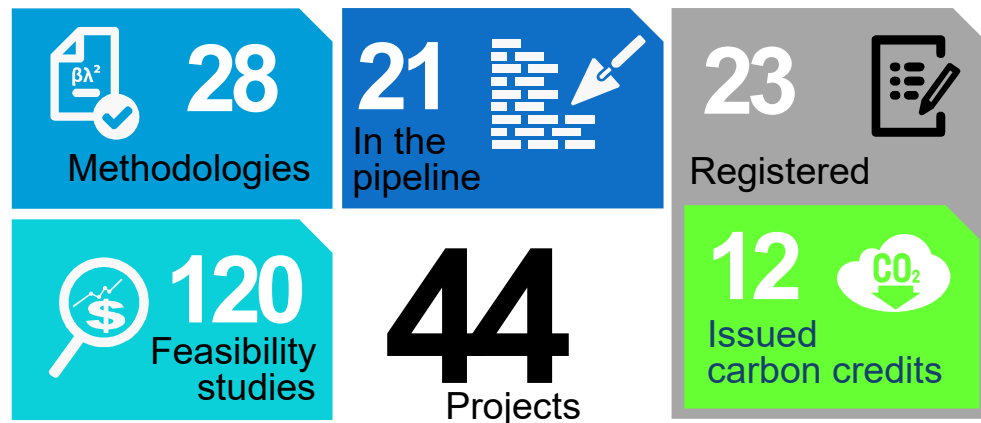
# Indonesia on going carbon pricing mechanism

- **Clean development Mechanism (CDM)** has been implemented since 2008.
- **Crediting scheme (VCS, JCM, plan vivo, CCB)** are beginning to be developed.
- **Emission Trading Scheme (ETS)** at coal powerplant currently is being implemented, **ICER (Indonesia Certified Emission Reduction)** will be complemented.
- **Renewable energy** certificate is started by PLN to their customers.
- **CORSIA**, also will be implemented in Indonesia.
- **Result based payment** with Norway Government is beginning to start.
- **Carbon tax** is planned to be implemented.
- **Presidential Decree on Carbon Pricing is still in the process.**

# Indonesia carbon credit issued

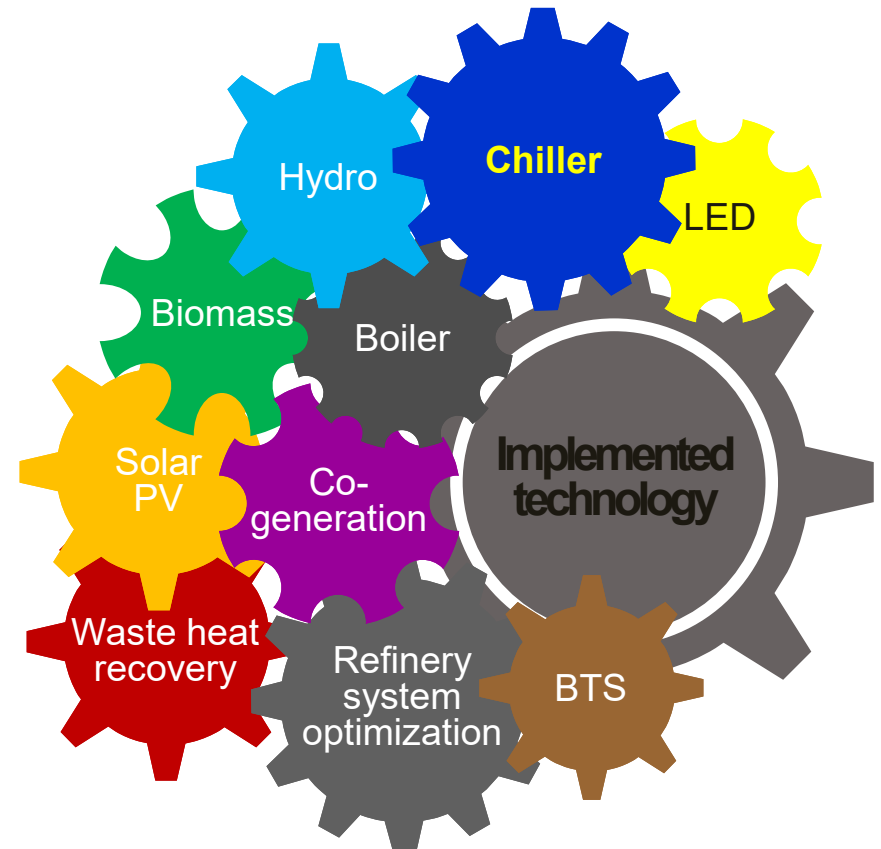
Schemes	Registered Project	Issued Projects	Type of Projects	Number of Issued Carbon Credit (ton CO2e)
VCS	15	15	Efficiency Energy, Waste to Energy, Renewable Energy, Agriculture and Forestry, Waste Handling to Disposal	<b>67.997.673</b>
CDM	156	49	Efficiency Energy, Methane Avoidance, Renewable Energy	<b>34.345.675</b>
Gold Standard	22	8	Forestry, Renewable Energy	<b>889,680</b>
Plan Vivo	4	4	Social Forestry	<b>93.746</b>
JCM	43	12	Efficiency Energy, Renewable Energy	<b>56.524</b>

# Indonesia JCM scheme recent updates



## Sector

Automotive, building, cement, chemical, food, oil and gas, paper, plastic, power generation, retail, rubber, telecommunication, textile, transportation



# **Lesson learned from Indonesia JCM scheme**

- **The first carbon pricing scheme that developed based on Indonesia situation and condition.**
- **JCM introduce transparency, robust MRV system, fast processes, accountability, and permanent emission reduction in their project implementation.**
- **Indonesia JCM scheme also introduce the world first Sustainable Development evaluation system in its projects.**
- **Many JCM projects technologies are the newest sophisticated technologies that implemented by Indonesia and Japan project participants.**
- **Currently JCM scheme is introduced to be article 6.2 pilot of the Paris Agreement that ready to contribute in the Indonesian NDC.**

# **Future Indonesia carbon market development**

- 1. Will be good to support NDC target and sustainable development achievement.**
- 2. Could be integrated and implemented well for credit scheme, cap and trade, and carbon tax.**
- 3. Need to be mainstreamed in the Indonesia national development plan.**
- 4. In the long run, will support Indonesia Net Zero Emission target.**





***Terima kasih!***  
***Thank you!***

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