

# NEDO JCM Demonstration Programs

December 19, 2024

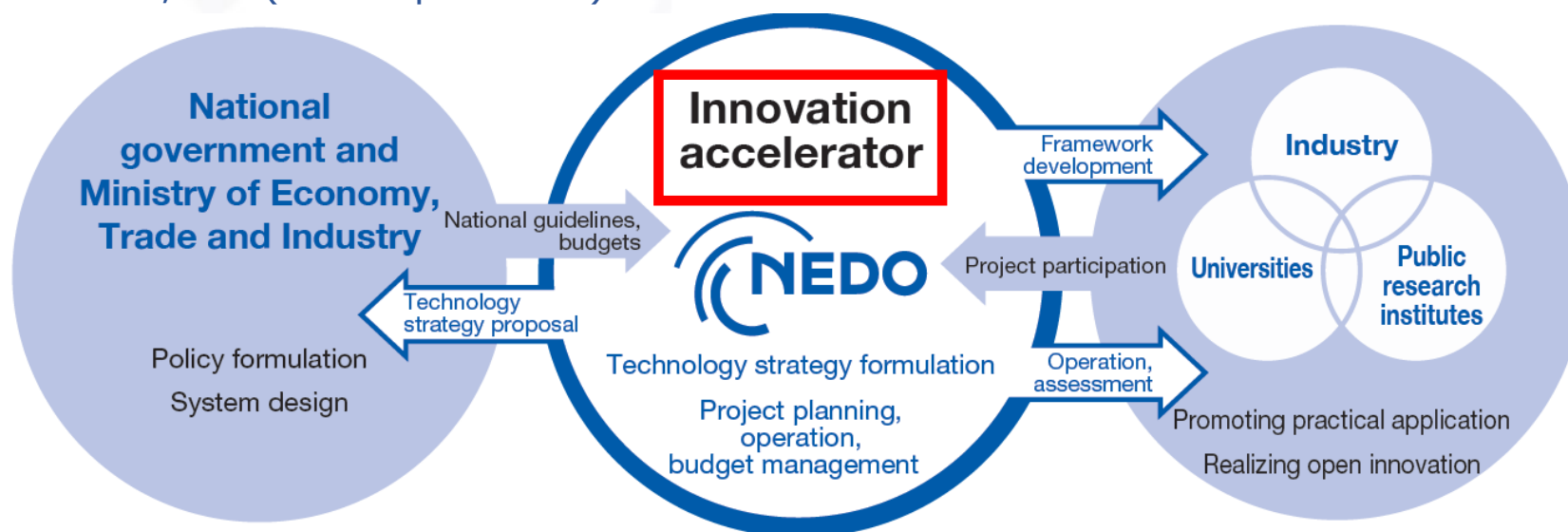
JCM Projects Section  
International Projects Department  
New Energy and Industrial Technology Development Organization (NEDO)

# What's NEDO



## ■ New Energy and Industrial Technology Development Organization (NEDO)

<b>Organization</b>	National Research and Development Agency
<b>Mission</b>	<b>1. Addressing energy and global environmental problems</b> <b>2. Enhancing industrial technology</b>
<b>Established in</b>	1980
<b>Budget</b>	182.8 billion yen (≒ \$1.2B) (JFY 2024) + multi-years funded programs (≒ \$57B)
<b># of staff</b>	1,525 (as of April 2024)



# Organization



NEDO Head Office  
(Kawasaki, Kanagawa)

Strategic Planning and  
Management Dept.

Audit Office

General Affairs Dept.  
Human Resources Dept.  
Accounting Dept.  
Legal Dept.

Technology & Innovation  
Strategy Center

6 overseas offices  
(Washington D.C. / Silicon Valley /  
Bangkok / Beijing / Paris / New Delhi)

## Project Implementation Departments

Project Management Dept.

- Green Innovation Funding Program Coordination Office
- Economic Security Program Coordination Office

Hydrogen and Ammonia Dept.

Renewable Energy Dept.

Circular Economy Dept.

Semiconductor & Information Infrastructure Dept.

- Post 5G Projects Promotion office

Artificial Intelligence and Robotics Dept.

Biotechnology & Material Dept.

- Bioproduction Fund Project Promotion Office

Automotive & Storage Battery Dept.

Aerospace Dept.

Startup Support Dept.

Frontier Dept.

**International Projects Dept.**

# 2 types of International Demonstration Project (IDP)



Type A: IDP on Japan's Decarbonizing / Energy Transition Technologies

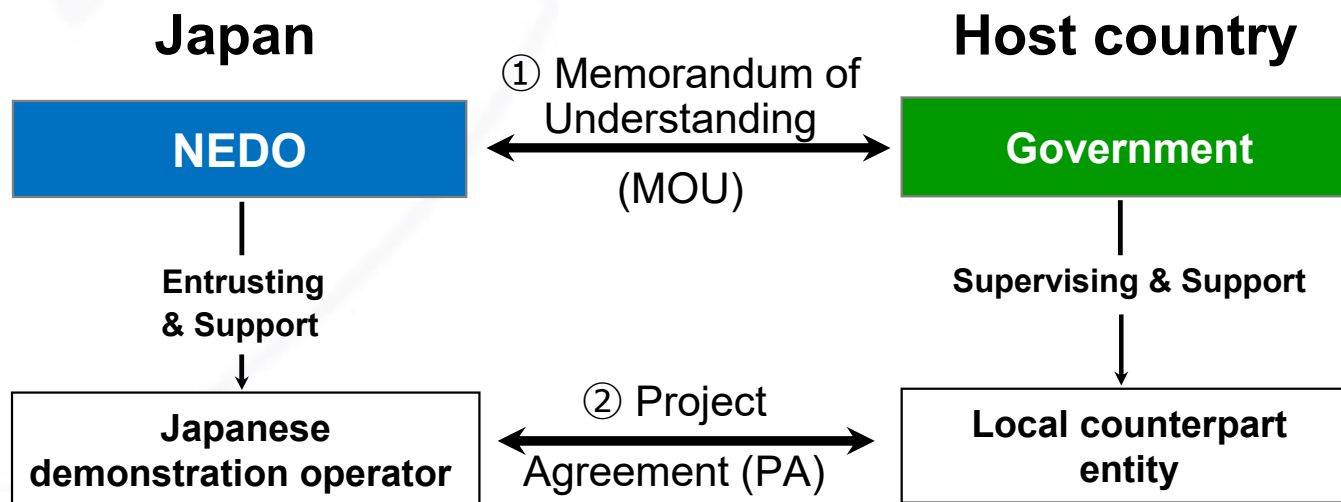
Type B: IDP on Low Carbon Technologies under the Joint Crediting Mechanism (JCM)

	Type A	Type B (JCM)
Purpose	<ul style="list-style-type: none"> <li>- To demonstrate Japan's advanced decarbonizing / energy transition technologies in foreign countries</li> <li>- To disseminate the demonstrated technology in host and neighboring countries on a commercial basis</li> <li>- To contribute to global energy security</li> </ul>	<ul style="list-style-type: none"> <li>- Same as Type A, but more focus on GHG emission reduction under the Joint Crediting Mechanism (JCM)</li> <li>- To quantify the amount of GHG emission reduction achieved by the demonstration project</li> <li>- To share the JCM credit between two countries and count them in their respective NDC(*)</li> </ul> <p>(*NDC: Nationally Determined Contribution)</p>
Target country	All countries except Japan	JCM partner countries (29 countries as of today)
Project cost (max.)	<b>4 billion JPY</b> (demonstration phase) (approx. 26 million USD at the current exchange rate)	<b>1 billion JPY</b> (demonstration phase) (approx. 6.6 million USD at the current exchange rate)
Subsidy rate	Large company: 1/2 SME, start-ups: 2/3	100% (entrusted by NEDO)
Project period	<b>3 years</b> (demonstration phase)	<b>3 years</b> (demonstration phase)
Call for proposal	Twice a year	Once a year (from March to May)
Applicant	Japanese demonstration operator(s)	Japanese demonstration operator(s)

# Cooperation Framework

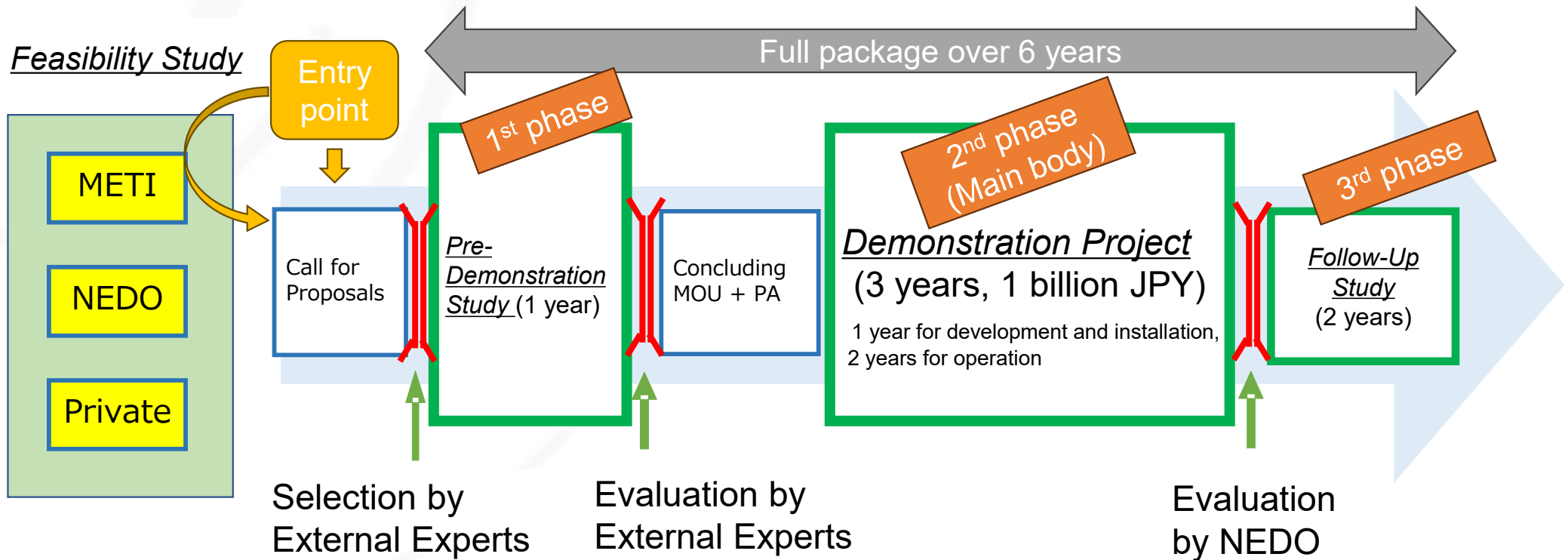


- ① NEDO and host country government entity (a competent Ministry, local government, etc.) sign memorandum of understanding (MOU) or similar agreement that has articles for implementation of the demonstration project.
- ② Japanese demonstration operator and their local counterpart entity sign project agreement (PA) which stipulates details of demonstration activities, division of works, rights and duties.



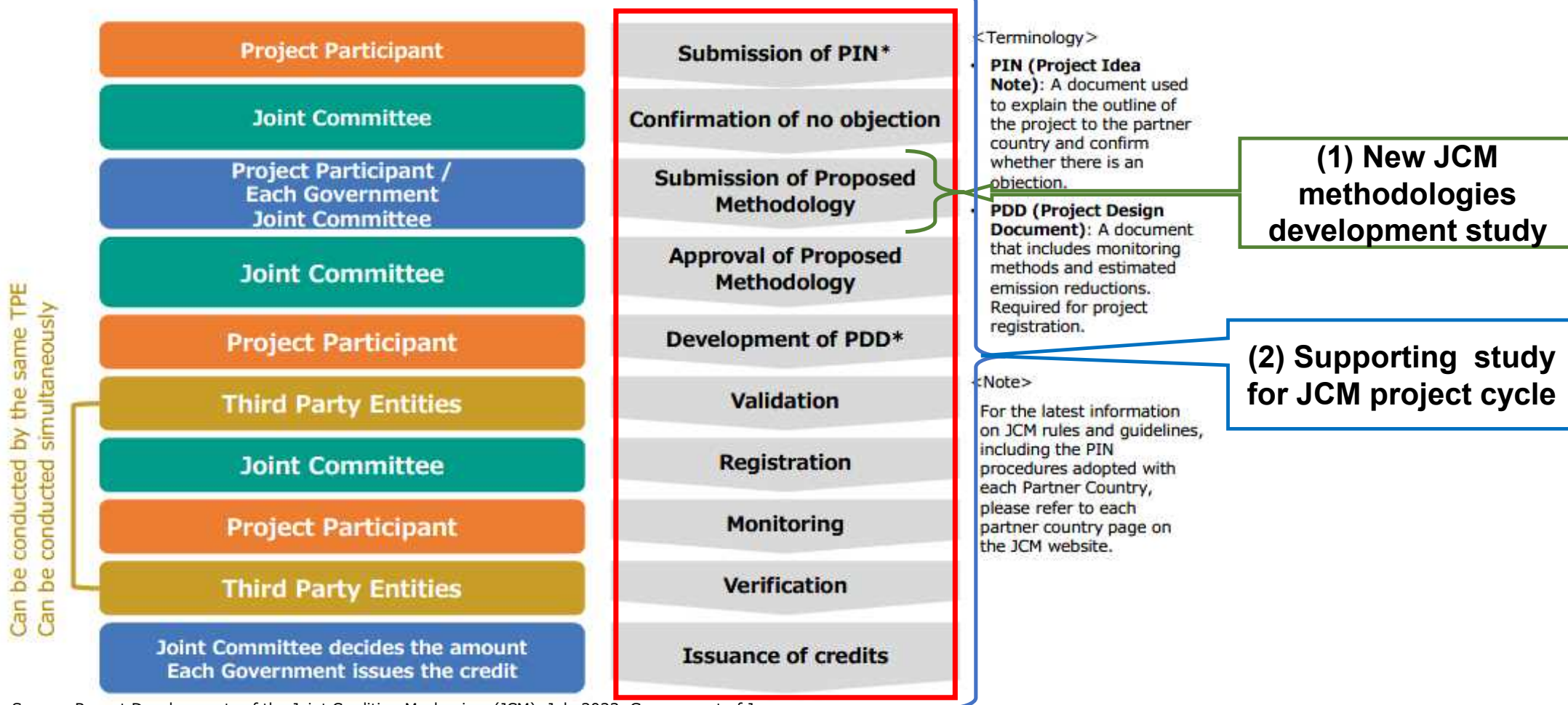
# Phased approach

Type B: IDP on Low Carbon Technologies by Joint Crediting Mechanism (JCM)



# Project cycle of JCM

## JCM project cycle



# Other study programs for JCM project cycle



## (1) New JCM methodologies(\*) development study

Purpose	In order to develop new and promising JCM methodologies and to estimate the expected amount of emission reductions, NEDO calls for research projects proposed by experienced JCM / MRV (**) methodology experts or consultants, presumably in partnership with future operator of JCM project.
Target country	JCM partner countries (29 countries as of today) + potential countries
Project cost (max.)	20 million JPY (approx. 133,000 USD at the current exchange rate)
Subsidy rate	100% (entrusted by NEDO)
Project period	Within 1 year
Call for proposal	Once a year (from March to May)

\*Methodology : a method for calculating and monitoring emission reductions or removals achieved by a project

\*\* MRV : Measurement, Reporting, Verification of greenhouse gas (GHG) mitigation



# Other study programs for JCM project cycle



## (2) Supporting study for JCM project cycle

Purpose	<ul style="list-style-type: none"><li>• Call for low carbon technology projects driven by Japanese private initiatives in JCM partner countries.</li><li>• This program covers the cost of JCM methodology development and JCM procedures to be applied to the proposed projects.</li><li>• Projects financially supported by the Japanese government for JCM purposes are not eligible.</li><li>• Applicants should be the operator(s) of the project in partnership with experienced JCM methodology experts or consultants.</li></ul>
Target country	JCM partner countries (29 countries as of today)
Project cost (max.)	100 million JPY (approx. 660,000 USD at the current exchange rate)
Subsidy rate	100% (entrusted by NEDO)
Project period	4 years (max.)
Call for proposal	Once a year (from April to May)

**Thank you**



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