

NEDO JCM Demonstration Programs

December 11, 2024

JCM Projects Section

International Projects Department

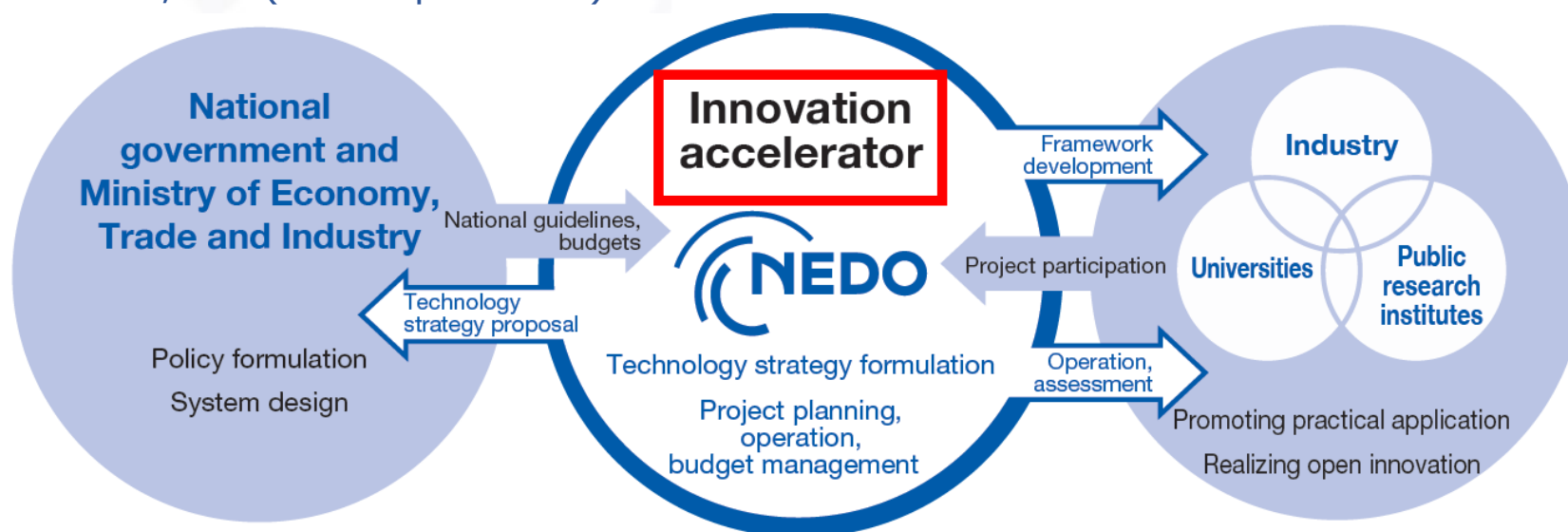
New Energy and Industrial Technology Development Organization (NEDO)

What's NEDO



■ New Energy and Industrial Technology Development Organization (NEDO)

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

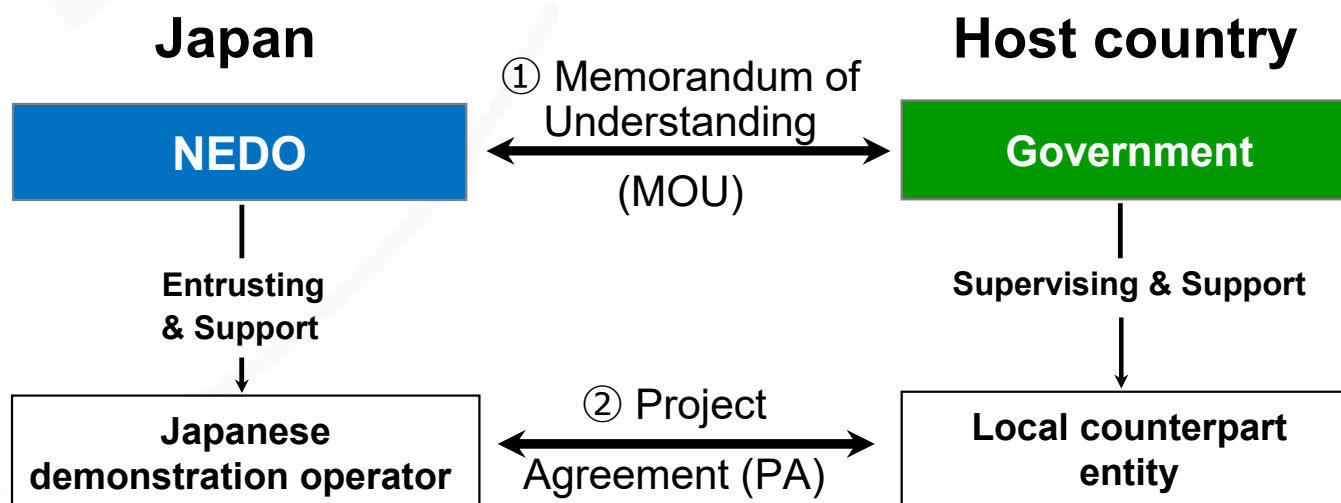
Type B: IDP on Low Carbon Technologies under the Joint Crediting Mechanism (JCM)

	Type A	Type B (JCM)
Purpose	<ul style="list-style-type: none"> - To demonstrate Japan's advanced decarbonizing / energy transition technologies in foreign countries - To disseminate the demonstrated technology in host and neighboring countries on a commercial basis - To contribute to global energy security 	<ul style="list-style-type: none"> - Same as Type A, but more focus on GHG reduction under the Joint Crediting Mechanism (JCM) - To quantify the amount of GHG reduction achieved by the demonstration project - To share the JCM credit between two countries and count them in their respective NDC(*) <p>(*NDC: Nationally Determined Contribution)</p>
Target country	All countries except Japan	JCM partner countries (29 countries as of today)
Project cost (max.)	4 billion JPY (demonstration phase) (approx. 26 million USD at the current exchange rate)	1 billion JPY (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	3 years (demonstration phase)	3 years (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



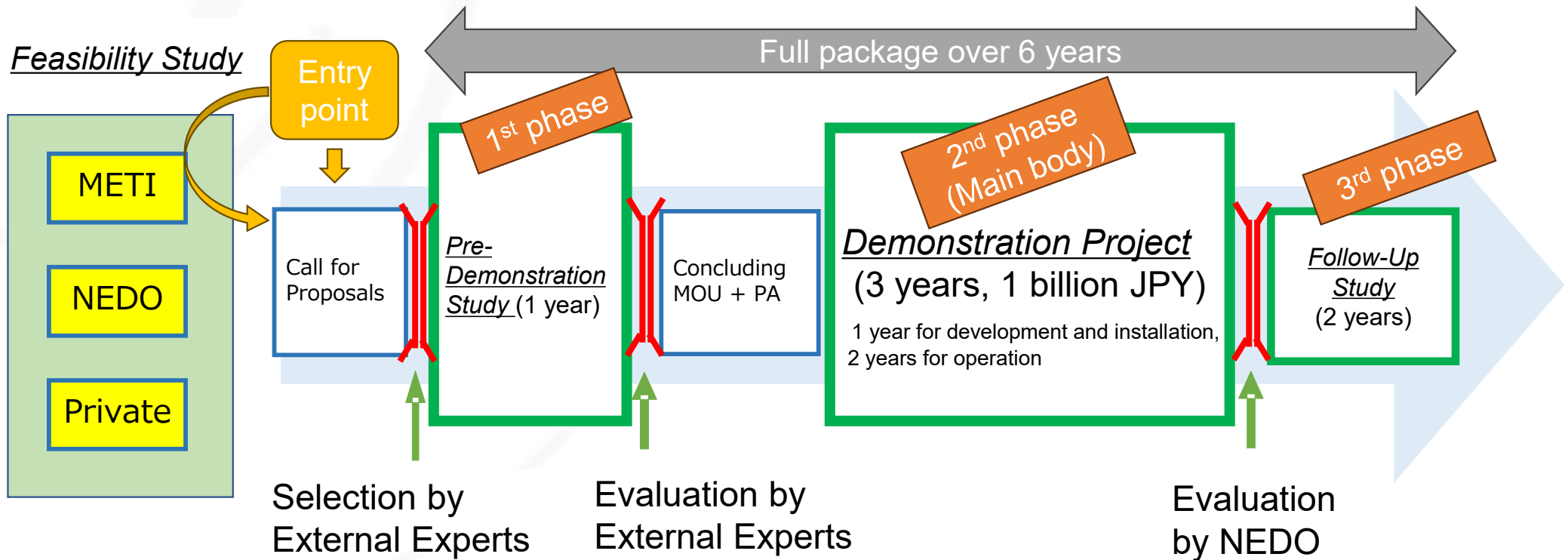
- ① NEDO and host country government entity (a competent Ministry, local government, etc.) sign memorandum of understanding (MOU) or similar agreement that has clauses for implementation of the demonstration project.
- ② Japanese demonstration operator and their local counterpart entity sign project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



Phased approach

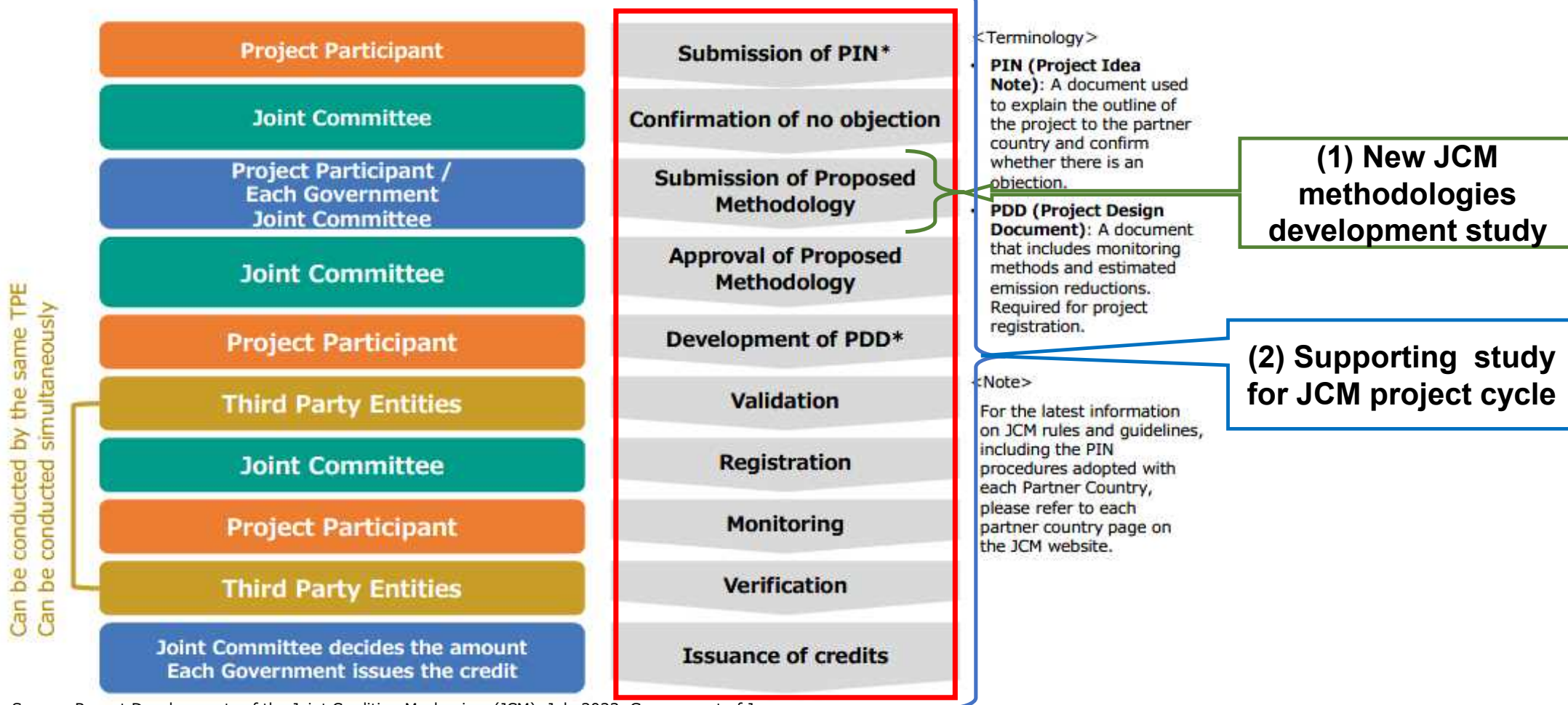


Type B: IDP on Low Carbon Technologies by Joint Crediting Mechanism (JCM)



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">• Call for low carbon technology projects driven by Japanese private initiatives in JCM partner countries.• This program covers the cost of JCM methodology development and JCM procedures to be applied to the proposed projects.• Projects financially supported by the Japanese government for JCM purposes are not eligible.• Applicants should be the operator(s) of the project in partnership with experienced JCM methodology experts or consultants.
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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