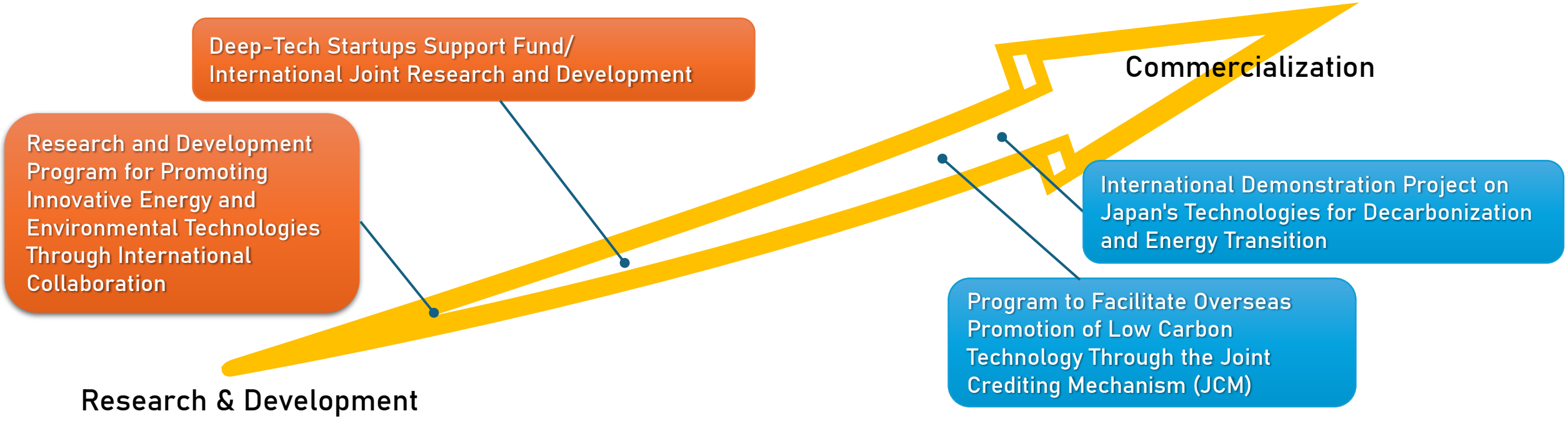
NEDO's International Activities

International Activities/Demonstration/R&D

NEDO's International Activities

NEDO has four programs that contribute to the expansion of Japan's technologies and promote international collaboration.

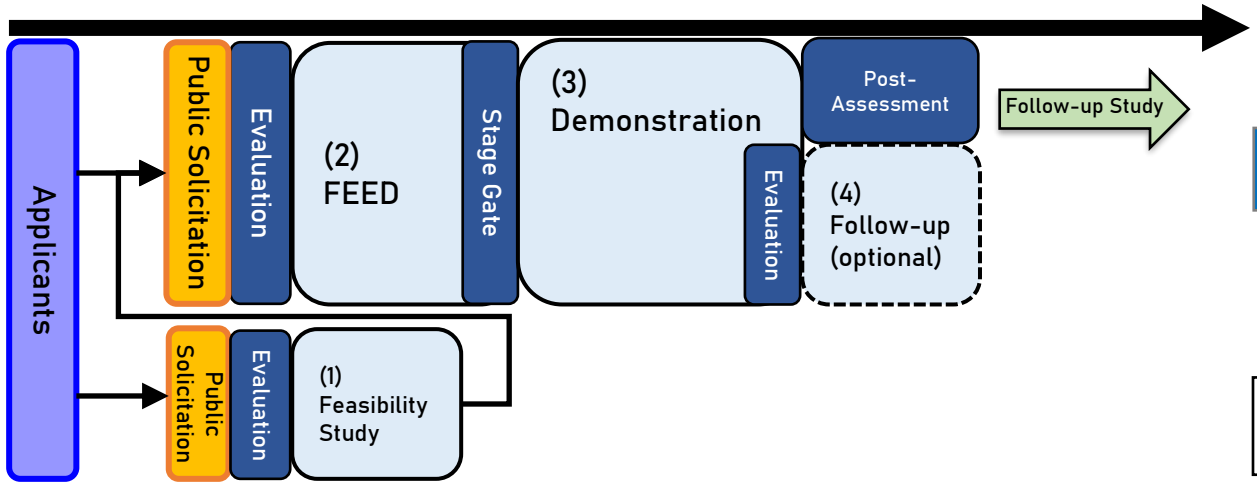


International Demonstration Project on Japan's Technologies for Decarbonization and Energy Transition

Decarbonization/International Activities/Demonstration

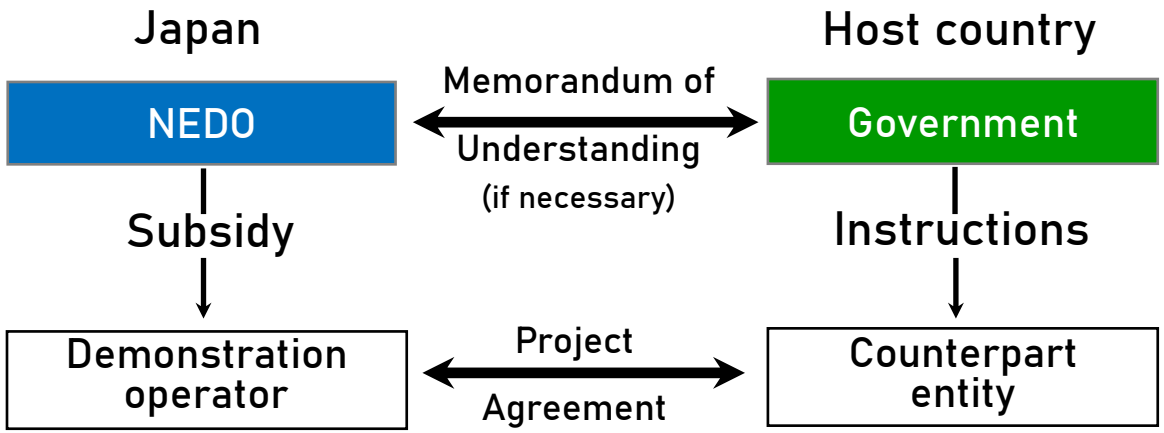
Overview

This project promotes the deployment of Japan's advanced technologies through international demonstrations, contributing to industry growth, energy transition, and decarbonization in both the host countries and Japan, while boosting Japan's energy security.



Cooperation Framework

The demonstration operator and counterpart entity sign a project agreement (PA) which stipulates their rights and duties and the demonstration details. NEDO and the host country's government may sign a memorandum of understanding (MOU) to support the activities of the demonstration operator if necessary.



NEDO Project

International Demonstration Project on Japan's Technologies for Decarbonization and Energy Transition

Contact Information

International Affairs Section, Project Management Department
https://www.nedo.go.jp/english/activities/activities_AT1_00175.html

International Demonstration Project on Japan's Technologies for Decarbonization and Energy Transition

Decarbonization/International Activities/Demonstration

Budget and Duration

The feasibility study is an entrusted project, while the FEED, demonstration, and follow-up stages are subsidized projects.
The budget scale shown for subsidized projects is the total amount per theme, including the portion borne by participating entities.

		[1] Feasibility study	[2] FEED	[3] Demonstration	[4] Follow-up	
Duration		1 year	1.5 years	3 years	1 year	Expenses covered by NEDO
Budget	Entrusted	Max. 20 million JPY per project	—	—	—	Labor and travel costs (excl. machinery & equipment costs)
	Subsidized	—	Max. 40 million JPY per project	Max. 4 billion JPY per project	Max. 20 million JPY per project	Machinery & equipment costs (demonstration only), labor and travel costs, commission, joint research costs Subsidy rates: Large companies 1/2 SMEs 2/3

NEDO Project

International Demonstration Project on Japan's Technologies for Decarbonization and Energy Transition

Contact Information

International Affairs Section, Project Management Department
https://www.nedo.go.jp/english/activities/activities_AT1_00175.html

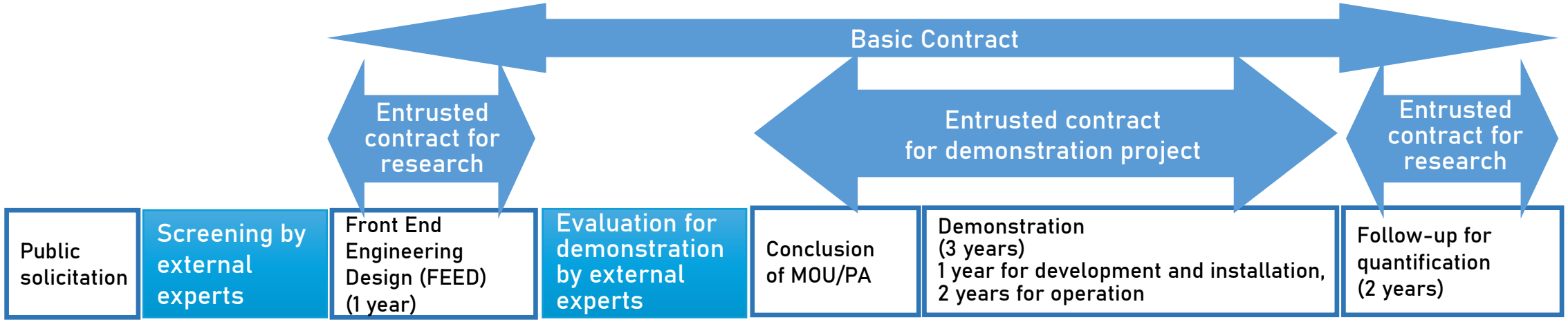
Program to Facilitate Overseas Promotion of Low Carbon Technology Through the Joint Crediting Mechanism (JCM)

CO2 Reduction/International Activities/Demonstration/JCM

Overview and Project Scheme

This program aims to reduce greenhouse gas emissions on a global scale while spreading Japan's advanced technology. Demonstration projects are carried out in partner countries, and the JCM framework is used to measure Japan's contributions to emissions reductions and removals achieved by the projects. This will allow Japan to appropriately obtain JCM credits based on the results.

The FEED, demonstration, and follow-up stages are implemented as entrusted projects.



NEDO Project

Program to Facilitate Overseas Promotion of Low Carbon Technology Through the Joint Crediting Mechanism (JCM)

Contact Information

International Affairs Section, Project Management Department
https://www.nedo.go.jp/english/activities/activities_ZZJP_100022.html

Program to Facilitate Overseas Promotion of Low Carbon Technology Through the Joint Crediting Mechanism (JCM)

CO2 Reduction/International Activities/Demonstration/JCM

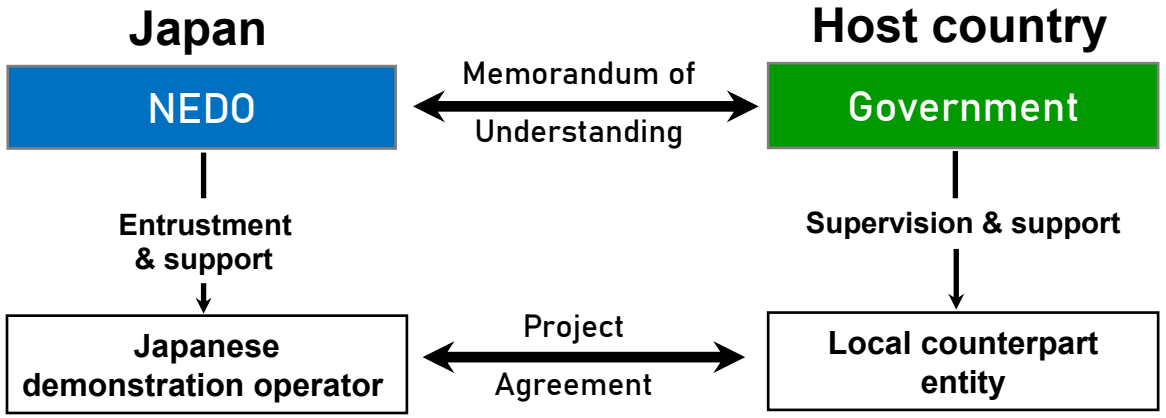
Budget and Duration

The table below shows the implementation period and budget details for each phase (FEED, demonstration, and follow-up for quantification).

Phase	Duration	Budget (per project)
FEED	1 year	50 million JPY
Demonstration	3 years • 1 year for development and installation • 2 years for operation	1 billion JPY
Follow-up for quantification	2 years	20 million JPY

Cooperation Framework

The Japanese demonstration operator and their local overseas counterpart entity sign a project agreement (PA) which stipulates the details of the demonstration activities, the division of work, and their rights and duties. NEDO and a government entity (a relevant ministry, local government, etc.) in the host country sign a memorandum of understanding (MOU) or similar agreement with articles that lay out the implementation of the demonstration project.



NEDO Project

Program to Facilitate Overseas Promotion of Low Carbon Technology Through the Joint Crediting Mechanism (JCM)

Contact Information

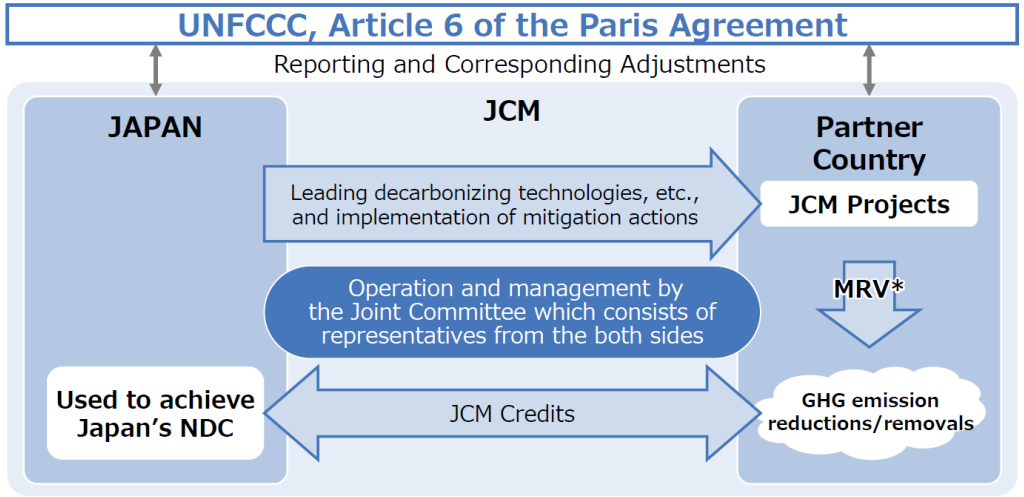
International Affairs Section, Project Management Department
https://www.nedo.go.jp/english/activities/activities_ZZJP_100022.html

Program to Facilitate Overseas Promotion of Low Carbon Technology Through the Joint Crediting Mechanism (JCM)

CO2 Reduction/International Activities/Demonstration/JCM

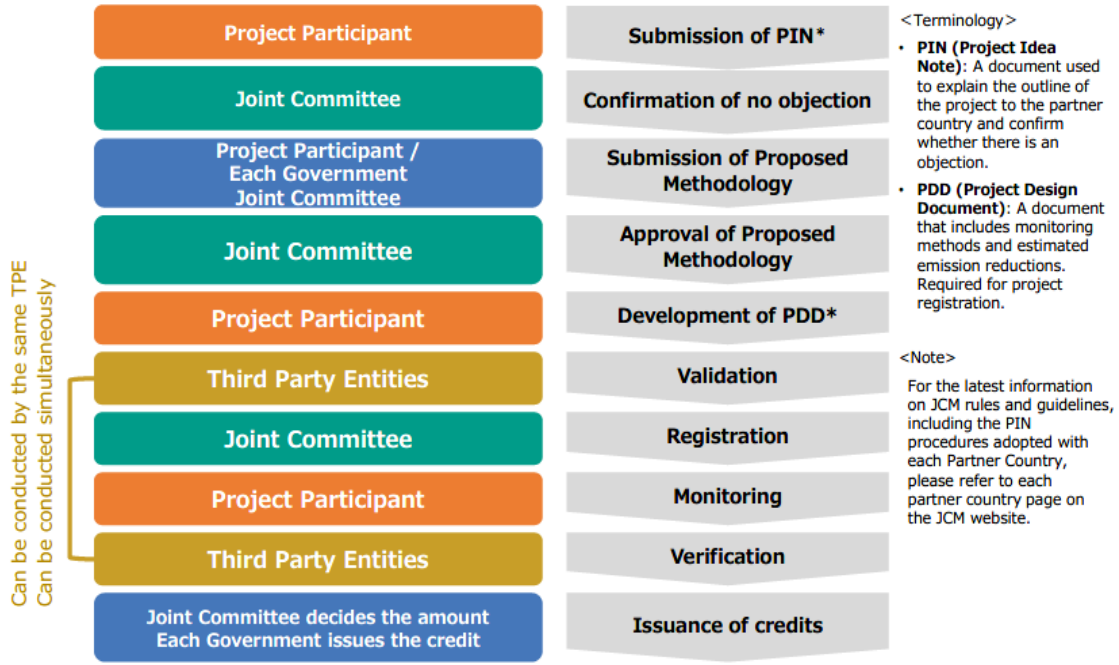
Joint Crediting Mechanism (JCM)

Japan's contribution to the reduction and absorption of greenhouse gas emissions, as achieved through the dissemination of decarbonization technologies and the implementation of countermeasures in developing countries and elsewhere, is measured. These contributions are then counted toward the achievement of Japan's NDC (GHG reduction targets).



*measurement, reporting and verification

JCM Project Cycle



Source: Recent Developments of the Joint Crediting Mechanism (JCM), May 2024, Government of Japan
https://www.meti.go.jp/policy/energy_environment/global_warming/jcm/pdf/en_Recent_Development_of_JCM_202405.pdf

NEDO Project

Program to Facilitate Overseas Promotion of Low Carbon Technology Through the Joint Crediting Mechanism (JCM)

Contact Information

International Affairs Section, Project Management Department
https://www.nedo.go.jp/english/activities/activities_ZZJP_100022.html

Research and Development Program for Promoting Innovative Energy and Environmental Technologies Through International Collaboration

International Joint R&D/Innovative Technology

Overview

This program aims to create new and innovative clean energy technologies while building and strengthening international joint research and development between Japan and other countries.

Innovation in clean energy technology through international collaboration is essential to tackle the global challenge of climate change.

Innovation in disruptive technology is created by combining high-level expertise and advanced technologies from Japan and other countries.

Budget and Duration

Duration

- Project duration: 1-3 years (max. 36 months)
- Projects over 2 years undergo stage-gate review at approximately 18 months, which may revise or end the project.

Budget

Total budget (3 years): up to 150 million JPY

- Year 1: approximately 25 million JPY
- Year 2: approximately 50 million JPY
- Year 3: approximately 50 million JPY (subject to stage-gate review)
- Year 4: approximately 25 million JPY (subject to stage-gate review)

Subsidy rate: 100% as a national commissioned project

NEDO Project

Research and Development Program for Promoting Innovative Energy and Environmental Technologies Through International Collaboration

Contact Information

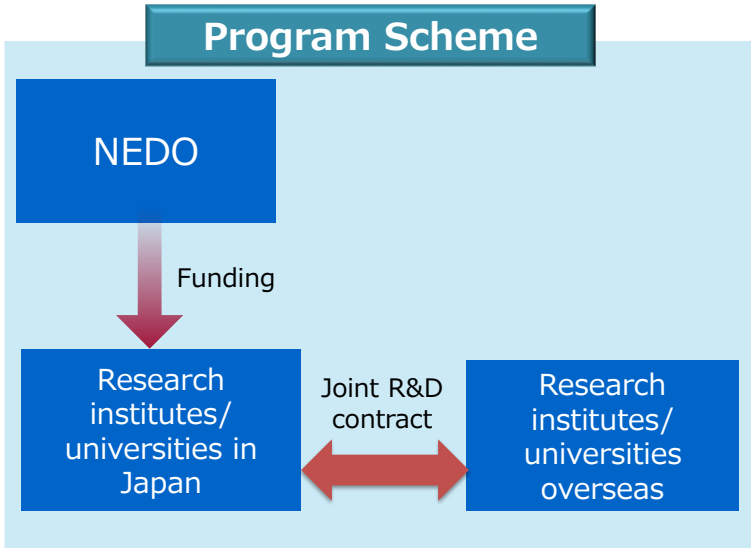
RDIC Team, Frontier Department
https://www.nedo.go.jp/english/activities/activities_ZZJP_100173.html

Research and Development Program for Promoting Innovative Energy and Environmental Technologies Through International Collaboration

International Joint R&D/Innovative Technology

Program Scheme

This program supports Japanese research institutes and universities conducting joint international research and development projects with institutions from G20 members and other countries.



Cooperative structure

- ☆ Recommended structure
- ✓ Within program scope
- × Not in program scope

Japanese \ Non-Japanese	Research Institute	Private Company	University
University	☆	×	☆
Research institute	✓	×	✓
Private company	×	×	×

Private companies can also participate in the program along with research institutes/universities.

NEDO Project: Research and Development Program for Promoting Innovative Energy and Environmental Technologies Through International Collaboration

Contact Information: RDIC Team, Frontier Department
https://www.nedo.go.jp/english/activities/activities_ZZJP_100173.html

Deep-Tech Startups Support Fund/ International Joint Research and Development

International Joint R&D/Startups

Overview

This program supports deep tech startups that wish to conduct international joint research and development activities with overseas businesses and expand into international markets. The goals are to realize early technology dissemination and develop global markets.

Program Details

Eligibility	1. Unlisted Japanese small and medium-sized companies with their main research and development bases in Japan and whose principal researchers are residents of Japan. Other companies, research institutes, and universities can join the project as subcontractors and joint research partners if the project is represented by and applied for by Japanese business operators meeting the conditions above. 2. Applicants must have a planned international joint research and development project with business operators from a partner country.
Target Technologies	Quantum-related, AI, robotics, semiconductors, electronics, energy and the environment, biotechnology, new materials, medical devices, aerospace, and other mining and industrial technologies
Project support period	2-3 years
Subsidy rate	Up to 2/3 of total project cost
Subsidy amount	Max. 100 million yen per project

NEDO Project: Deep-Tech Startups Support Fund/International Joint Research and Development

Contact Information: International Co-Funding Section, Startup Support Department
https://www.nedo.go.jp/english/activities/activities_ZZJP_100262.html

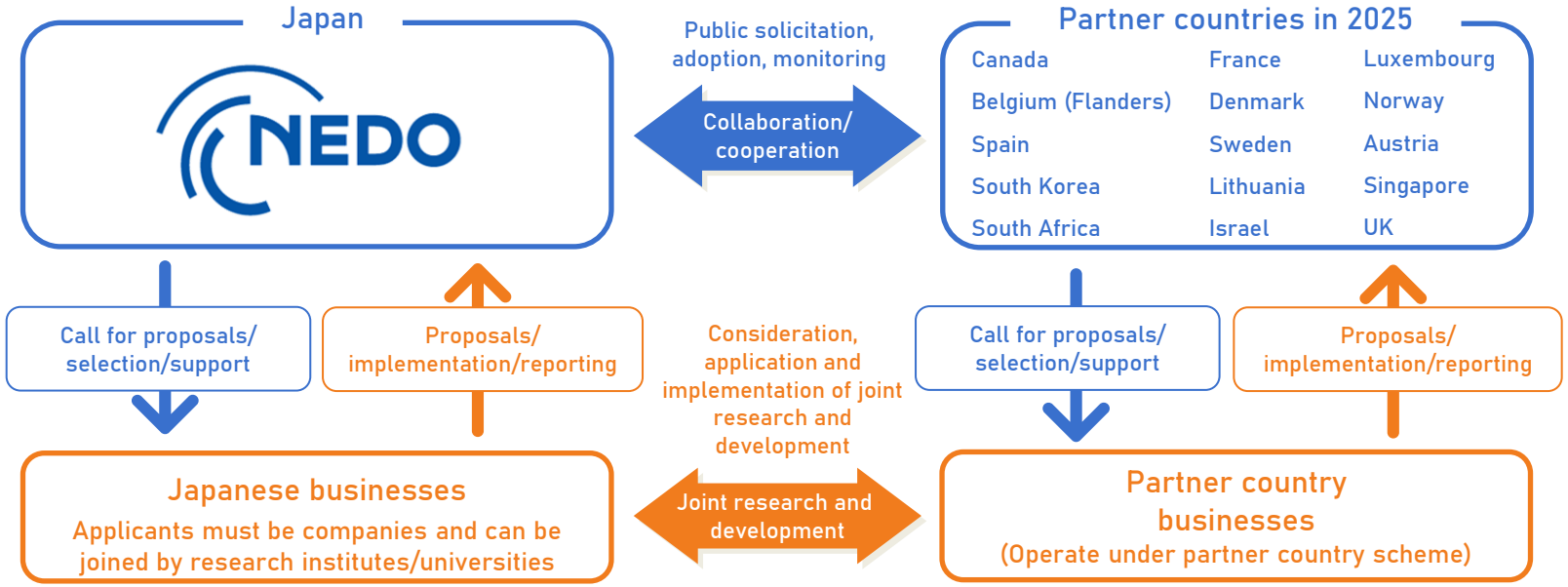
Deep-Tech Startups Support Fund/ International Joint Research and Development

International Joint R&D/Startups

Co-Funding Scheme

NEDO collaborates with overseas research and development and innovation support organizations to provide funds to Japanese business operators. Partner country organizations provide funds to their business operators under the Eureka Globalstars co-funding scheme.

Eureka Globalstars (multilateral joint call for projects)



Eureka
https://www.Eurekanetwork.org/

- Established in 1985
- World's largest intergovernmental network of countries supporting international research, development, and innovation
- Network of ministries and funding agencies spans more than 45 countries

Eureka Globalstars
https://eurekanetwork.org/programmes/globalstars/

- Program for organizations to connect with partners outside the Eureka network

NEDO Project: Deep-Tech Startups Support Fund/International Joint Research and Development

Contact Information: International Co-Funding Section, Startup Support Department
https://www.nedo.go.jp/english/activities/activities_ZZJP_100262.html