Research and Development Program for Promoting Innovative Clean Energy Technologies Through International Collaboration (FY2020–FY2024)

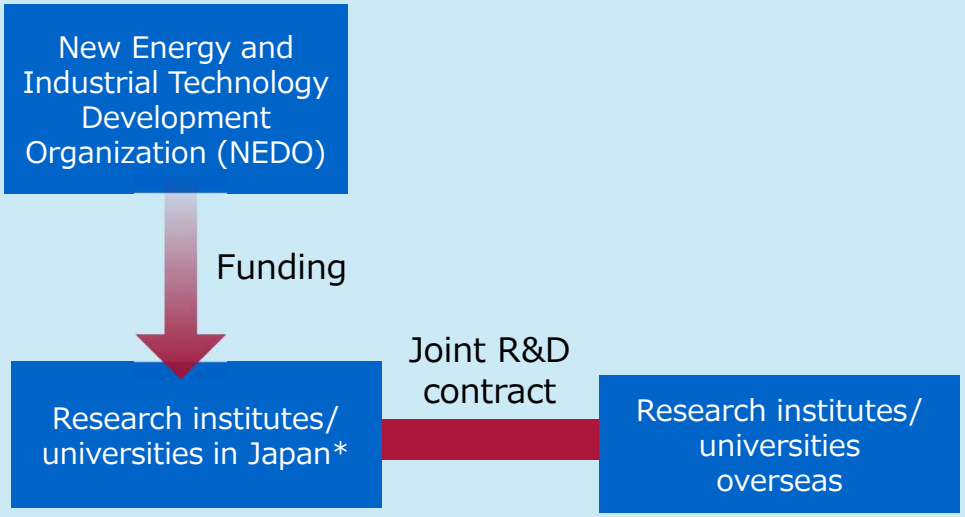
● Program Outline

- ✓ In order to address the global challenge of climate change, innovation in the field of clean technology through international collaboration is important.
- ✓ The aim of this program is to develop and strengthen international joint research and development between Japan and other countries in order to create new and innovative clean energy technologies that will have practical use after 2030.
- ✓ This program supports Japanese research institutes and universities conducting joint international research and development projects with institutions from G20 member and other countries.

● Program Image

Creation of disruptive technology innovation by combining high-level expertise and advanced technologies from Japan and other countries

● Program Scheme



*Private companies may also participate in the program together with research institutes/universities.

● Project Details

NEDO calls for proposals from Japanese research institutes/universities that conduct innovative projects through international collaboration.

Project scheme	International collaboration between Japanese research institutes/universities and research institutes/universities overseas. Private companies may participate but only when research institutes/universities also participate.
Project budget	Maximum of 50 million yen per project/per year. **Note: NEDO will only fund the Japanese side of the international collaboration.**
Project term	Maximum of 3 years.
Target technologies	Clean energy technologies, including renewable energy and energy-saving and environmental technologies that will have practical application after 2030. Seven research and development themes have been selected for FY2020.

● R&D Themes for FY2021

Theme 1: Development of innovative technologies that can contribute to realizing the industrialization of carbon recycling, such as low-cost CO_2 separation and capture and production of useful materials

Theme 2: Development of innovative technologies that can contribute to the significant promotion and expansion of hydrogen utilization toward the realization of a future hydrogen society

Theme 3: Development of innovative energy storage technologies that can realize both low cost and high durability battery and heat storage for the effective use of variable renewable energy

Theme 4: Development of innovative materials and components that enable mass CO_2 reduction through large-scale implementation in society