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

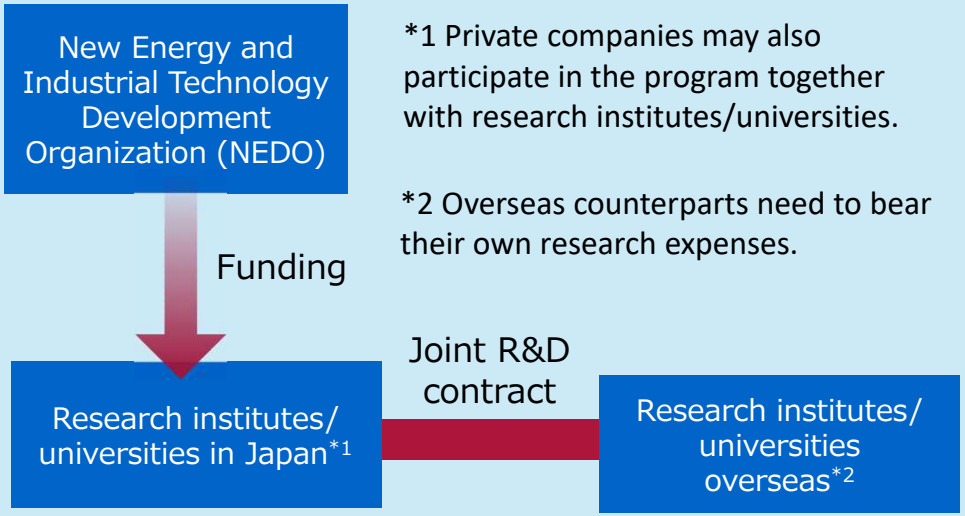
● Program Outline

- ✓ In order to address the global challenge of climate change, innovation in the field of energy and environmental 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 energy and environmental technologies that will have practical use after 2040.
- ✓ This program supports Japanese research institutes and universities conducting joint international research and development projects with institutions from G20 members 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



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

*2 Overseas counterparts need to bear their own research expenses.

● 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 only funds the Japanese side of the international collaboration.*2**
Project term	Maximum of 3 years.
Target technologies	Energy and environmental technologies that will have practical application after 2040. SIx(6) research and development themes have been selected for FY2024.

● R&D Themes for FY2024

Theme1. International joint research and development of advanced wind condition observation data analysis methods in areas with observation difficulties

Theme2. International joint research and development of next-generation redox flow batteries for power grids that do not rely on rare metals

Theme3. International joint research and development of used lithium-ion battery deterioration diagnosis technology and multi-element horizontal recycling process technology

Theme4. International joint research and development of innovative hydrogen production, transportation, and storage technologies

Theme5. International joint research and development of innovative propulsion mechanism in the field of next-generation air mobility and conventional aircraft

Theme6. International joint research and development of biobased plastics that meet European and other overseas regulations