

● Program Outline

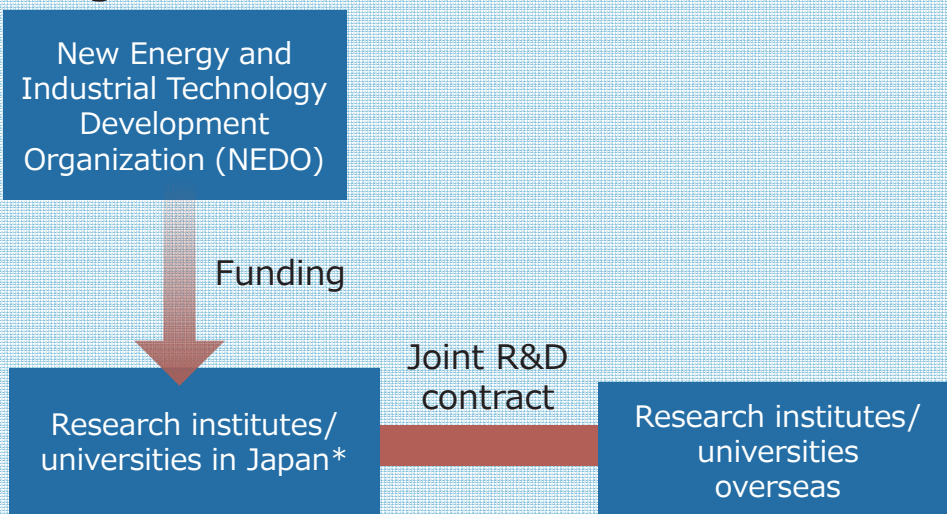
- ✓ In order to address the global challenge of climate change, innovation in the field of clean technology through international collaboration is important.
- ✓ The aim of this program is to develop and strengthen international joint research and development between Japan and other countries in order 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 FY2020

Theme 1: Development of elemental photovoltaic cell technologies that simultaneously realize higher efficiency, lower costs, and higher durability more than ever before

Theme 2: Development of innovative geothermal power generation technologies utilizing overseas fields, including resource exploration/assessment and materials/measurement technologies

Theme 3: Development of innovative bioprocess technologies utilizing microorganisms and genome editing technology

Theme 4: Development of elemental technologies for innovative hydrogen production/use which contribute to substantial cost reduction for realization of a future hydrogen society

Theme 5: Development of innovative devices and evaluation technologies which utilize/control unused heat (hot and cold heat) generated from waste heat as well as renewable energy sources

Theme 6: Development of innovative devices and system control/evaluation technologies for making effective use of distributed power networks

Theme 7: Development of methodologies to ensure the reliability and quality of innovative heat resistant materials which contribute to improving aircraft engine fuel efficiency