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Overview of the NEDO-Project

- Technology Development of High-efficiency Non-fluorinated Air-conditioning Systems -

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Environment Department

New Energy and Industrial Technology Development Organization (NEDO)

Introduction of NEDO



As Japan's largest public management organization promoting research and development as well as the dissemination of energy, environmental and industrial technologies, NEDO has a crucial mission to carry out.

- Addressing energy and global environmental problems
- Enhancing industrial technology

Chairman: Mr. Kazuo Furukawa

Organization: - Incorporated administrative agency under the Ministry of Economy, Trade and Industry (METI) of the Japanese government
- Established in 1980

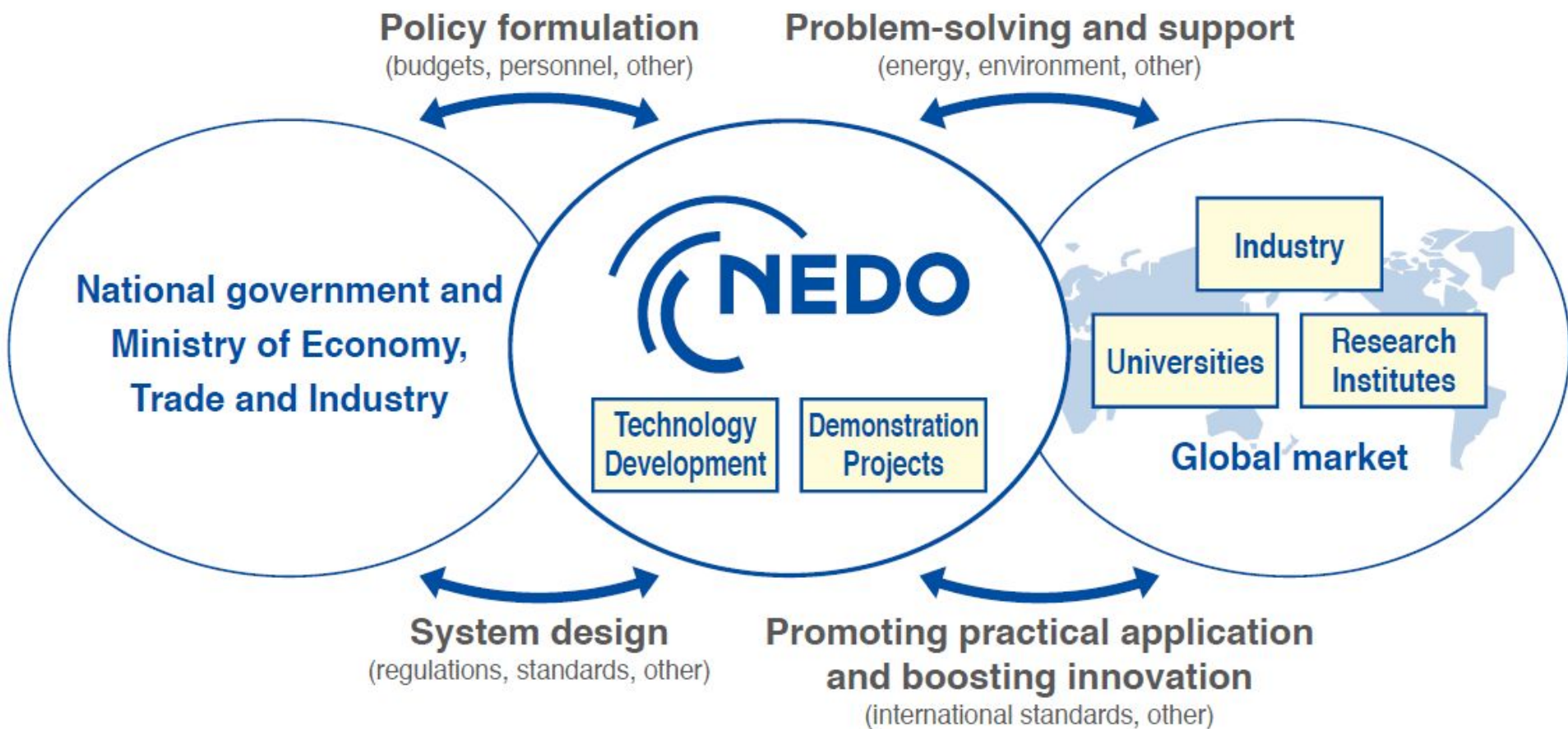
Budget : 131.9 Billion yen (2015 fiscal year)



Positioning of NEDO

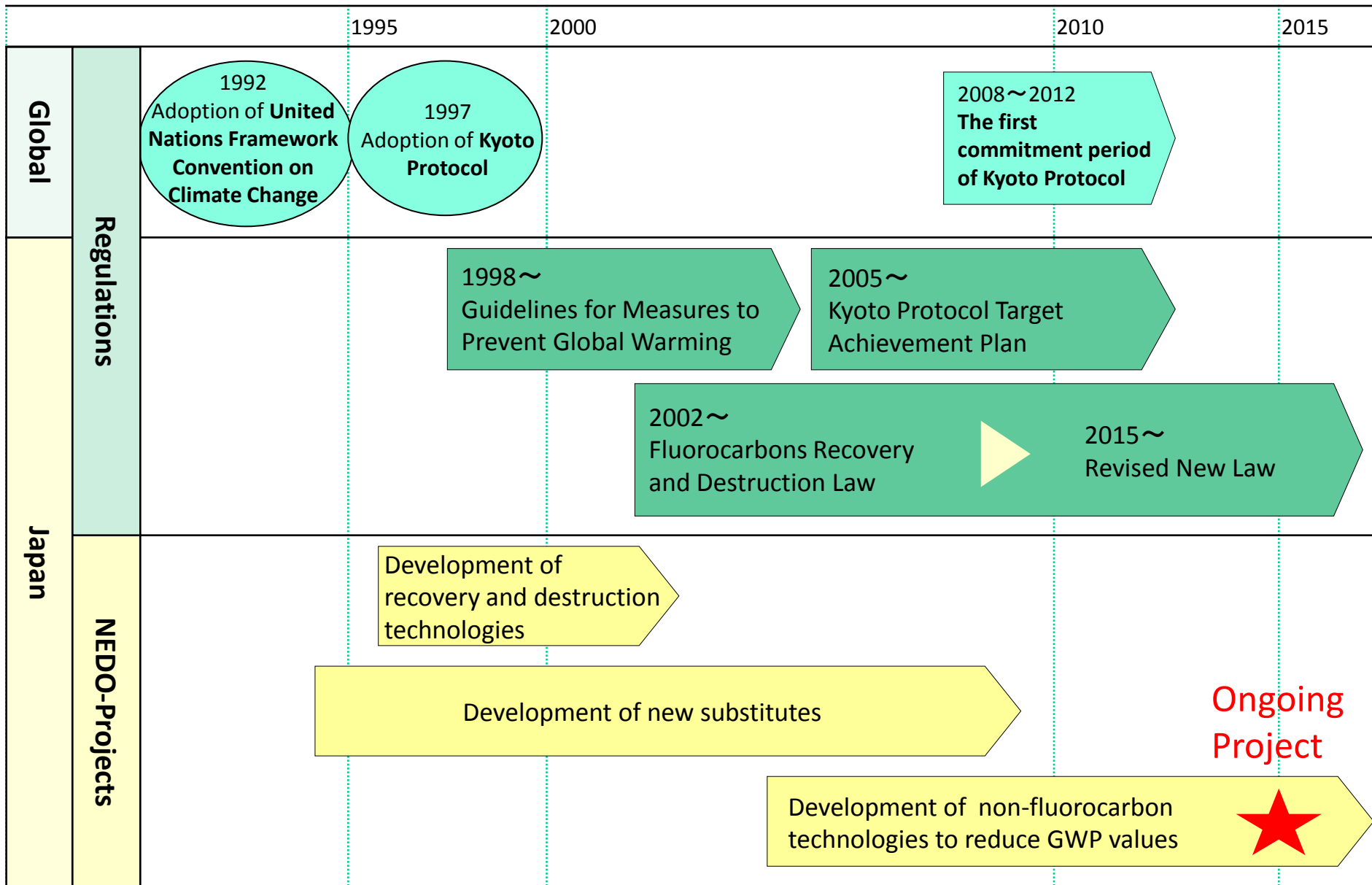


As an incorporated administrative agency under the jurisdiction of the Ministry of Economy, Trade and Industry (METI), NEDO draws on the combined efforts of industry, academia and government as well as its sophisticated management know-how.



Background of NEDO-Projects

(for recent 20 years)



“Technology Development of High-efficiency Non-fluorinated Air-conditioning Systems”

- To practical use commercial air-conditioning equipments which use the low GWP refrigerants having significantly lower greenhouse effect more than the existent HFC refrigerants and which have high efficiency, NEDO support to following three developments;

① Development of equipment achieving high efficiency while using low GWP refrigerants

② Development of new low GWP refrigerants which are high efficiency

③ Evaluation of the performance and safety of refrigerants

- Term of R&D: FY2011～FY2015 (5 years)
- Government budget for FY2015: 250 million yen

Organization of the NEDO-Project



N E D O

Project Leader:

Eiji HIHARA (The University of Tokyo)

Sub Project Leader:

Satoru FUJIMOTO (The Japan Refrigeration and Air Conditioning Industry Association (JRAIA))

① Development of Equipment

Equipment manufacturers

② Development of Refrigerant

Refrigerant manufacturers

③ Evaluation of the performance and safety of refrigerants

The University of Tokyo
Tokyo University of Science, Suwa
Kyushu University
AIST

Collaboration

JRAIA
JAMA
JSRAE

Research Project on Risk Assessment of Mildly Flammable Refrigerants



Thank you!