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The International Collaborative Research Center on Decommissioning

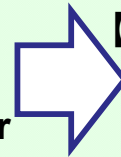
*Research and Development Bureau,
Ministry of Education, Culture, Sports, Science and Technology (MEXT)*

Promotion of safe decommissioning of F1, TEPCO is Japan's responsibility.

To promote advanced technology development in full coordination with academia-industry-government and then to contribute to decommissioning & reconstruction in FUKUSHIMA from MEXT's standpoint

【Issues to be addressed】

- Concentration of domestic and world wisdom
- Technical assistance to TEPCO
- Stable development and supply of human resources for decommissioning in the middle- and long-term



【Solution proposal】

To perform R&D and human resources development for safe and reliable decommissioning by using concentration of domestic and world wisdoms

Establishment of the International Collaborative Research Center on Decommissioning (tentative)

【Concrete proposal of the concept】

In addition to existing Remote-controlled Equipment and Device Development Facility and Radioactive Material Analysis and Research Facility, To structure the center for R&D and human resources development with following 4 functions.

① Function of Center for International Collaborative Research

- To set up the center for international research with academia-industry-government (domestic and overseas universities, research institutions, and private companies, etc.. **Half of the participants are overseas Institutions.**)
 - ➡ To concentrate domestic and world wisdom, **To form the integrated center for decommissioning, research, etc. near F1.** [approach (proposal)] Invitation of courses and laboratory of worldwide level universities, research institutions, and invitation and staying of foreign researchers and technical experts.

② Function of Research Support (Creation of International Collaborative Research Promotion System)

- To create International Collaborative Research Promotion System with academia-industry-government for decommissioning research, etc. in a wide range of areas, and then to add **the function of discerning coordinator toward practical use.**
 - [system (proposal)] Publicly solicit research themes in the center in cooperation with Nuclear Damage Compensation and Decommissioning Facilitation Corporation. To manage the progress of each R&D under Project Manager with experience of accident response and decommissioning in other countries (U.K.: NDA, U.S.: NRC, DOE, etc.)

③ Function of Human Resources Development (Human Resources Development with the use of the International Center)

- To establish International **industry-university cooperation courses (about 10)** for undergraduate and graduate student.
 - To confer course credits by domestic and overseas participating universities in the field of nuclear, civil engineering, robotics, etc.
 - ➡ Securing stable human resources in consideration of the career path
 - [approach (proposal)] To invite experts involved in TMI, Chernobyl Accident
 - Utilization of JAEA's facilities, etc. in field work, To join collaborative research with domestic and overseas manufacturers in the center.

④ Function of Information Transmission (sharing in the research results as international public assets)

- Research results & technologies are valuable assets internationally, and should be transmitted to the world, these are summarized as **international database for decommissioning technology to share widely.**

The International Collaborative Research Center on Decommissioning (tentative name) -image-

TEPCO

Providing
Technology



**Nuclear Damage Compensation and Decommissioning
Facilitation Corporation**

Gathering
Research results

Planning and progress management for R&D of decommissioning
Identification of research themes for international solicitation

“The International Collaborative Research Center on Decommissioning”

To concentrate world wisdoms in the center
with academia-industry-government,

To structure the platform of practice for human resources
development and R&D of decommissioning, etc.

**International
Research
Institute for
Nuclear
Decommissioning
(IRID)**

To promote
•R&D by
international
solicitation
•Cooperation of
R&D and human
resources
Development for
its partner
corporation

Participation
and
Cooperation



- R&D with the use of international research promotion system ,etc.
- Human Resources Development by utilization of International Center

**Research results will be reflected to decommissioning and reconstruction in Fukushima,
and to provide database as international public asset.**