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Research and Development of the Project of Decommissioning and Contaminated Water Management and its Connection to Engineering

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(Management Office for the Project of Decommissioning and Contaminated Water Management)

Abstract

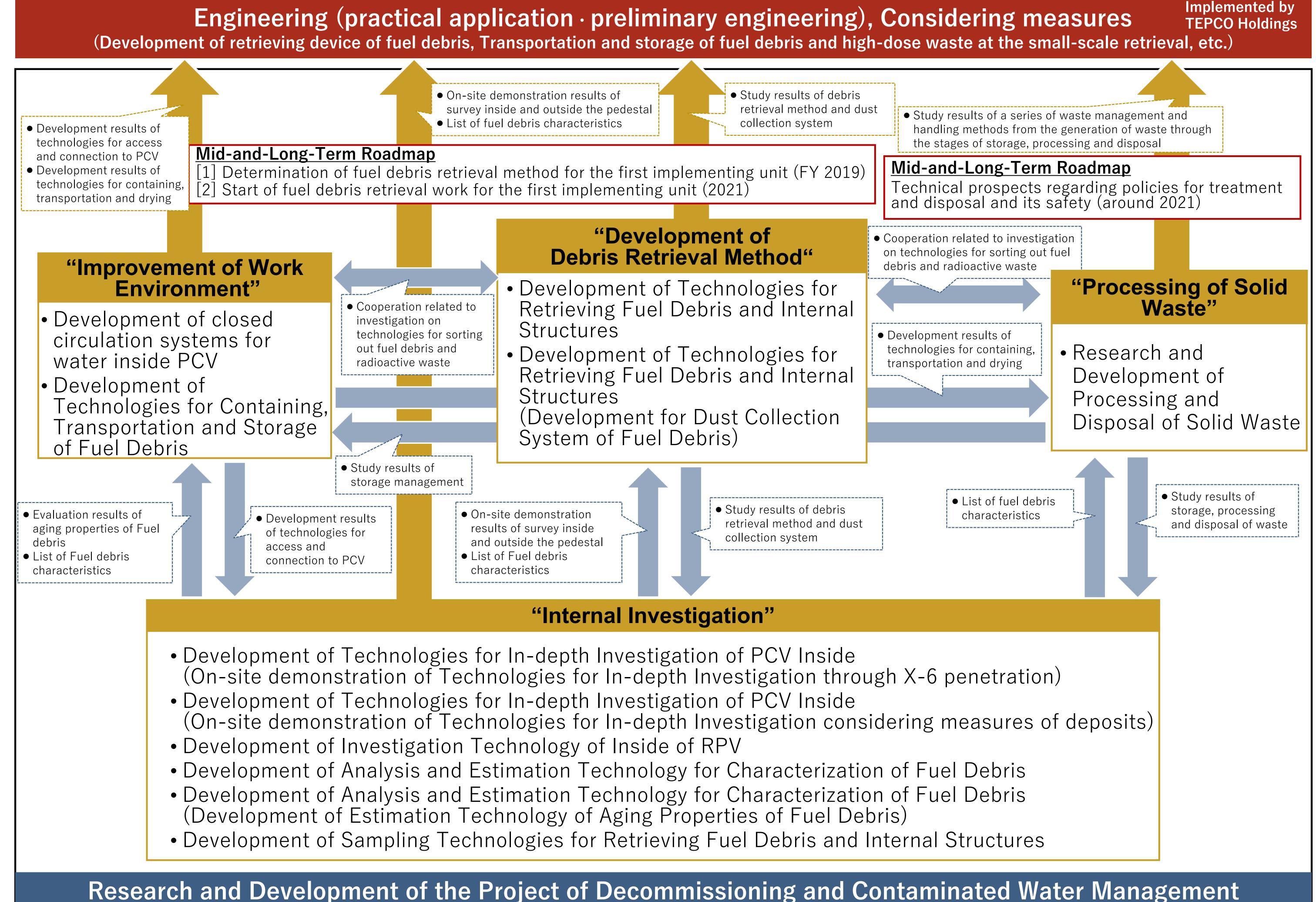
The Ministry of Economy, Trade and Industry (as "METI") established a fund since fiscal 2013 and has implemented the "Project of Decommissioning and Contaminated Water Management". We will show the relationship between the various subsidized projects of this program and the expected contributions to the decommissioning of Fukushima Daiichi Nuclear Power Station (as "FDNPS").

1. Background

To safely and steadily carry out the decommissioning of the FDNPS, it is important to gather together wisdom in Japan and overseas, and conduct R&Ds; therefore, the METI has implemented the "Project of Decommissioning and Contaminated Water Management" as a grant-funded program by public bid to support R&Ds with high technical difficulty. Various R&Ds have been supported by the Management Office for the Project of Decommissioning and Contaminated Water Management. Mutual coordination among the researches is necessary to apply the results of R&D to the decommissioning of FDNPS.

2. Subsidized Projects of Decommissioning and Contaminated Water Management Program and their Connection to Engineering

The subsidized projects are classified into "Internal Investigation", "Development of Debris Retrieval Method", "Improvement of Work Environment" and "Processing of Solid Waste". The R&Ds of "Development of Debris Retrieval Method" are carried out based on the information obtained by "Internal Investigation". The results of R&D such as "Development of Debris Retrieval Method" including the concretization of fuel debris retrieval process are reflected in the engineering by the operating entities. The researches of "Processing of Solid Waste" are also studied in parallel with R&Ds for debris retrieval. As Figure shows, the current projects are closely related and aimed at engineering.



(supported by Management Office)

Figure. Research and Development of Decommissioning and Contaminated Water Management Program and its Connection to Engineering

[3] Management Office for the Project of Decommissioning and Contaminated Water Management, https://en.dccc-program.jp/

^{*} This figure is summarized by MRI in the light of the project objective.

^{*} Cooperation between subsidized projects in each R&D of "Internal Investigation", "Development of Debris Retrieval Method" and "Improvement of Work Environment" is appropriately implemented.

[[]Reference] [1] Ministry of Economy, Trade and Industry, Agency for Natural Resources and Energy, "R & D plan for decommissioning and Contaminated Water Management Team Meeting / Project Management Office Meeting (63rd) (Japanese only) [2] Nuclear Damage Compensation and Decommissioning Facilitation Corporation, "Examples of the future R&D issues", 8th Decommissioning R&D Partnership Council (Japanese only)