

# Research and Development of the Project of Decommissioning, Contaminated Water and Treated Water Management and Connection to Preliminary Engineering

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## Abstract

The Ministry of Economy, Trade and Industry (as “METI”) has established the fund since FY 2013 and has implemented the “Project of Decommissioning, Contaminated Water and Treated Water Management” as the subsidy program by solicitations to support R&Ds with high technical difficulties. In this presentation, it shall be introduced the connections among the various subsidized projects in this program and the expected contributions to the decommissioning of Fukushima Daiichi Nuclear Power Station (as “FDNPS”).

## 1. Introduction

In order to implement the decommissioning of FDNPS safely and steadily, it is important to conduct R&Ds by gathering wisdom in Japan and overseas. Therefore, METI has established the fund since FY 2013 and implemented the "Project of Decommissioning, Contaminated Water and Treated Water Management" as the subsidy program by solicitations to support R&Ds with high technical difficulties. Various R&Ds in the program have been managed by the Management Office for the Project of Decommissioning, Contaminated Water and Treated Water Management. Mutual coordination among the research projects are necessary to apply the results of R&Ds to the decommissioning of FDNPS.

## 2. Subsidized Projects of Decommissioning, Contaminated Water and Treated Water Management and Connection to Preliminary Engineering

The subsidized projects are classified into “Internal Investigation”, "Development of Fuel Debris Retrieval Method", “Improvement of Work Environment”, and “Processing of Solid Waste, etc.”. The R&Ds of Fuel Debris Retrieval Method have been conducted based on the information obtained by Internal Investigation. In addition, the results of R&Ds such as Development of Fuel Debris Retrieval Method are reflected to Improvement of Work Environment. The research projects of Processing of Solid Waste are also studied in cooperation with R&Ds for Fuel debris retrieval and Improvement of Work Environment. In this way, the current projects are closely connected.

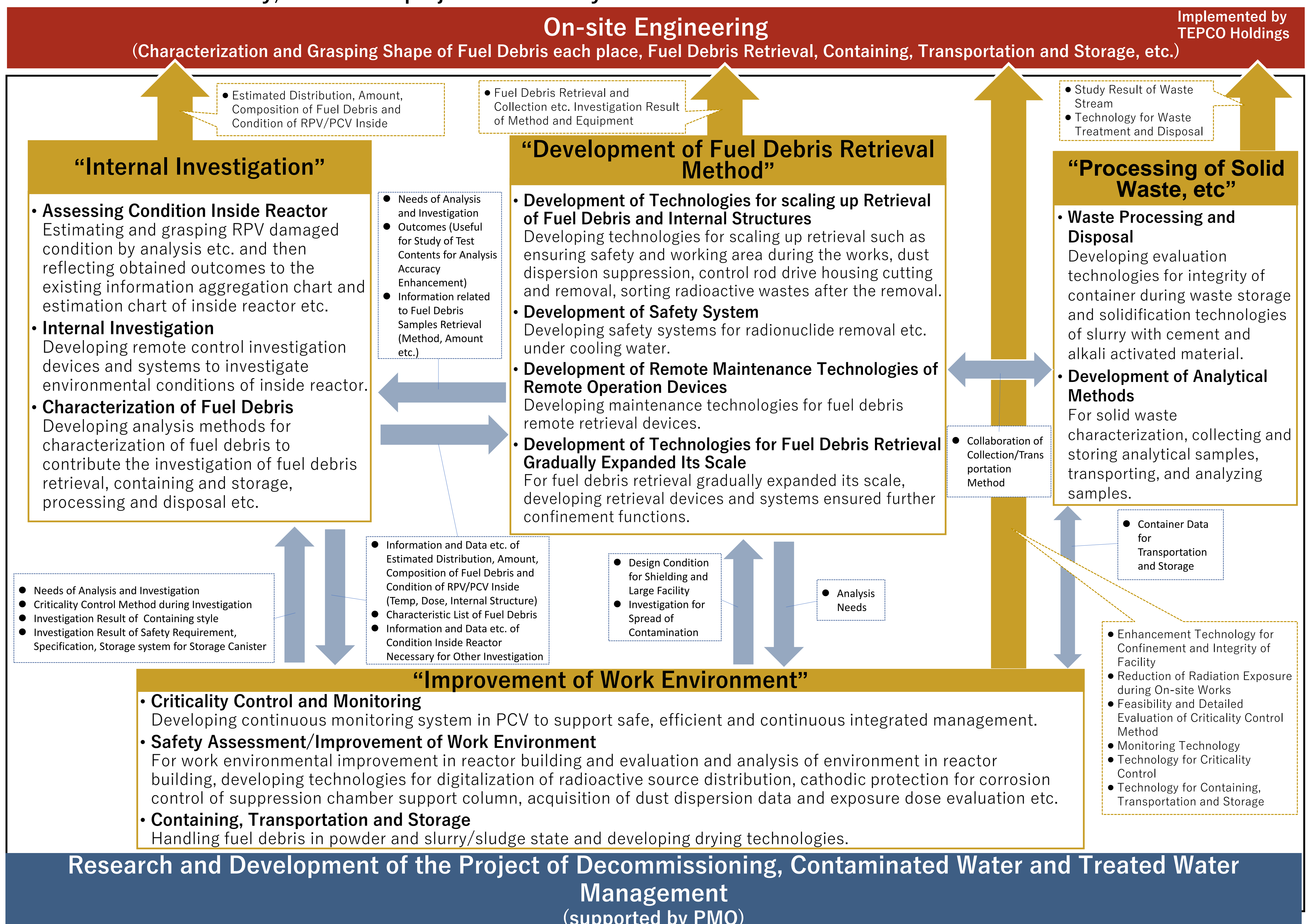


Figure. Research and Development of Decommissioning, Contaminated Water and Treated Water Management Program and its Connection to Engineering

\* This figure is summarized by MRI in the light of the project objective.

[Reference] [1] Management Office for the Project of Decommissioning, Contaminated Water and Treated Water Management, <https://en.dccc-program.jp/>