

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

Hotaka Minatomoto, Naoki Kondo
Mitsubishi Research Institute, Inc.

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

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 (as “PMO”). In addition, each R&D is conducted in cooperation with TEPCO, and is considered in terms of its on-site applicability. 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 Engineering

R&Ds for the decommissioning of FDNPS have been subdivided and subsidized. Each subsidized project is being implemented by organizations in Japan and overseas. 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 current projects are closely related to each other and connected to engineering and the engineering has been utilizing wisdom in Japan and overseas. Also, to obtain the information on R&Ds from organizations in Japan and overseas, PMO conducts RFI (Request for Information) every spring on the website. <https://en.dccc-program.jp/>

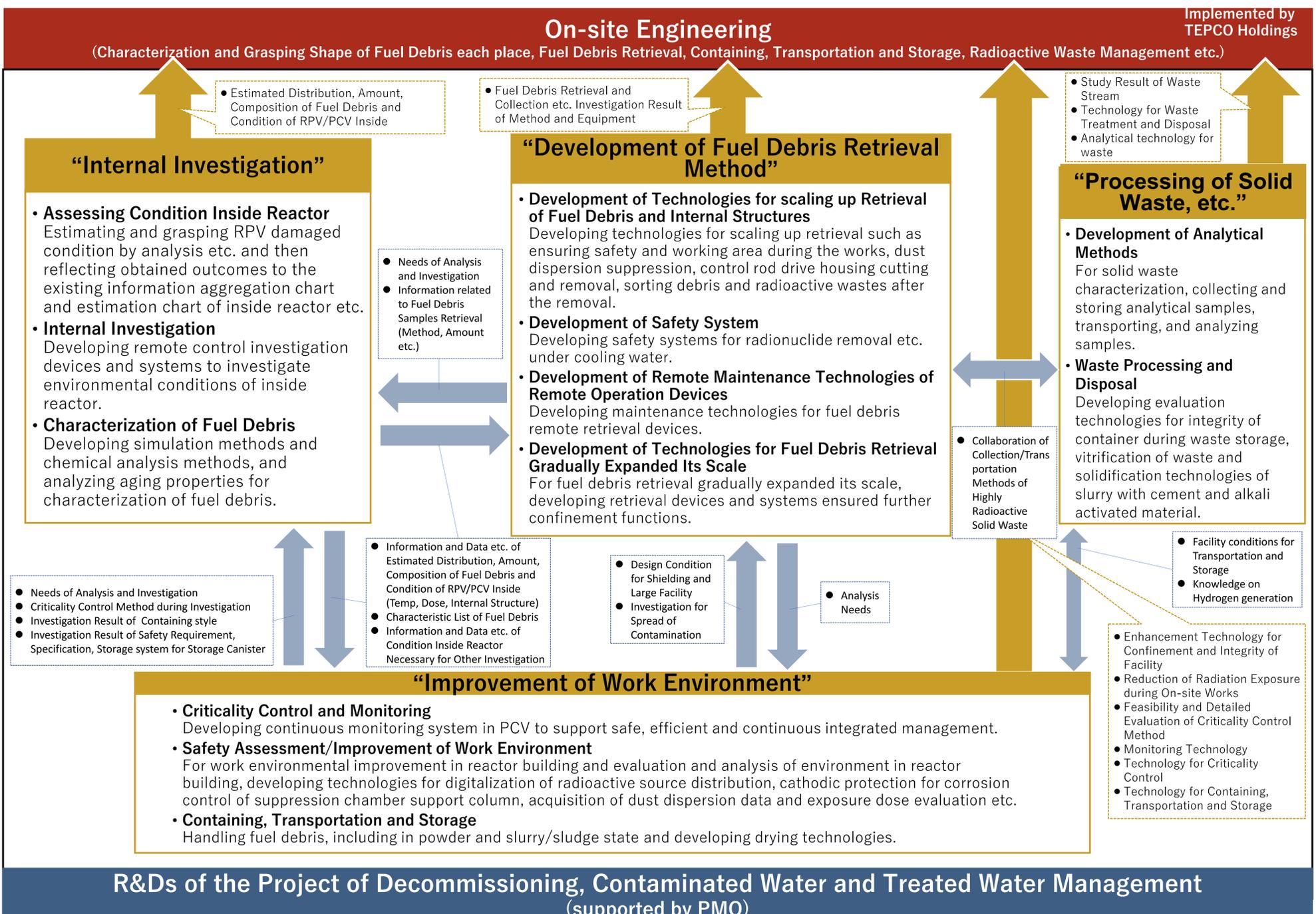


Figure. R&Ds of Decommissioning, Contaminated Water and Treated Water Management Program and its Connection to Engineering

* 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/>