

Target Countries :Countries and areas which have to manage surface water (river etc.)

Course No. : J1704159

No. : 1784836

Sector :Water Resources/Disaster Management/Wind and Flood Disaster(Flood Control)

Sub-Sector :Water Resources/Disaster Management/Comprehensive Water Resources Management

Language :English

Outline

This program is designed for managerial officials to obtain and understand meanings, basic knowledge of technology and know-how of the meteorological and hydrological data observation as well as analytical technique and applied technology. In Japan, technology of flood control and water utilization has been developed based on the long-term observation and accumulated meteorological and hydrological data.

Objective/Outcome	Target Organization / Group
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【Objective】
 This program aims to enhance knowledge for installation and utilization of the hydrological and meteorological data observation and management technology. (Surface water is the main target in this program)

【Outcome】
 1.To understand observation meanings, and observation technique and technology in the river basin for implementation of the flood control plan and the river water utilization plan 2.To understand technique and technology of the data sorting, data quality control, data filing and data management of the collected data 3.To understand the statistics and analytical technique including methodology of the river basin data 4.To understand necessity and importance of the application of the river basin meteorological and hydrological data to the flood control plan and the river water utilization plan as well as basic methodology of formulating the plans by the collected data 5.To understand methodologies of water level monitoring, water information disclosure to the public, effective flood alerts, O & M of the river structure, and river & lake conservation etc. 6.To formulate an action plan that improves the condition of the data observation and management in the participants' countries

【Target Organization】
 Administrative organizations/departments of the government for river/water resources management (including irrigation and river basin organizations)

【Target Group】
 1) Responsible for water resources management (water utilization and flood control) or the meteorological and hydrological data observation and management 2) Managerial officials or to have more than 10 years of experiences in the said fields

Contents	Course Period	2017/10/25~2017/11/11
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[Preliminary Phase] Preparation and submission of country report

[Core phase in Japan]Lectures, practical works, observations, and discussions on followings will be carried out.

Course Period

1Implementation structure in Japan for the river basin meteorological and hydrological data observation and management (comprehensive strategy, roles and responsibilities of organizations, rules, regulations and guidelines, necessary proficiency for the technical staff, points to consider for outsourcing), 2Practical routine and data management of the observation, 3Formulation and utilization of the flood control plan and the river water utilization plan, 4Cooperation with other organizations, and information sharing and disclosure, 5Practical routine for water level monitoring and flood alerts, 6O and M for the river structure and equipment, 7 Water examination in catchment area, reservoir and river, and water quality conservation, 8Information management for international river,9Application to the climate change, 10Action plan presentation

Department in Charge

Global Environment Department

[Final Phase]Submission of reports

JICA Center

JICA Tokyo (Economy&Env.)

Cooperation Period	2016~2018
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Implementing Partner	Japan Water Agency
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Remarks and Website	Staff in charge of making policy(rules, regulations and guidelines) is expected to participate in for the structure improvement.
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