

Target Countries :

Course No. : J1704086

No. : 1784748

Sector : Nature Conservation/Conservation of Biodiversity

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

Language : English

Outline

Conventional flood countermeasures are hardly responded to unexpected level of rain and drought caused by climate change. Disaster-prevention measures including sustainable forest management for strengthening resilience are essential to keep the balance between ecosystem conservation and flood control. Therefore adaptive watershed management is necessary for both disaster reduction & ecosystem conservation.

Objective/Outcome		Target Organization / Group	
<p>【Objective】 To be able to formulate and implement adaptive watershed management including sustainable forest management for strengthening resilience for flood control in developing countries.</p> <p>【Outcome】 1. Participants will be able to deepen the understanding of climate change on global scale, its effects, and necessity of adaptive watershed management methods including sustainable forest management for strengthening resilience 2. Participants will be able to analyze conditions/patterns by climate change in their concerned respective areas with risk of flood and impact of ecosystem. 3. Participants will understand Disaster-prevention measures including sustainable forest management for strengthening resilience are essential to keep the balance between ecosystem conservation and flood control. 4. Participants will be able to formulate adaptive watershed management in their respective areas for mitigating to risk of flood and impact of ecosystem. 5. Participants will be able to submit Final draft of Action Plan based on the specific plan of adaptive watershed management in their respective areas.</p>		<p>【Target Organization】 Central or local government related to flood control (including the application of multifunctionality of forest) or ecosystem conservation.</p> <p>【Target Group】 <the first and the second year> Mid-level working officers <the third year> Senior administrative officers directly involved in planning of watershed management.</p>	
Contents		Course Period	2017/06/25~2017/08/26
<p>【Preliminary Phase in home country】 Submission of Inception Report: Situation on risk of flood and degradation of ecosystem (include forest) in their areas</p> <p>【Core Phase in Japan】 1. Global environmental change, Post-Kyoto Protocol framework, International movement to prevent global warming, function of forest ecosystem as water resources, dams and watershed control, fundamentals of landscape ecology. 2. River management plan and monitoring, flood control by retention pool and by diversion channel, disaster prevention, the basin management utilizing the multifunctionality of forest, flood control and biodiversity conservation, public participation and consensus building, flood control management and biodiversity conservation by GIS. 3. Issue analysis, method of participatory survey, capacity development formulation of Action Plan.</p>		Department in Charge	Global Environment Department
		JICA Center	JICA Hokkaido (Obihiro)
		Cooperation Period	2015~2017
Implementing Partner	Under Planning		
Remarks and Website			