

**Target Countries :**

**Course No. :** 201984748-J002

**No. :** 201984748

**Sector :** Nature Conservation/Other Nature Conservation Issues

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

**Language :** English

**Outline**

Government officials of central and local governments or public specialized agencies involved in measures against floods or ecosystem conservation in watershed will learn the reduction of Ecosystem-based Disaster Risk Reduction (Eco-DRR) by ecological methods that do not rely on structures, it is aimed to formulate action plan in the target watershed by acquiring sustainable watershed management method considering disaster prevention measures making use of multifaceted functions.

Objective/Outcome	Target Organization / Group	
<p><b>【Objective】</b> Organizations that are working on the increasing risk of flood and measures against ecosystem degradation and mitigating those risks will acquire Ecosystem-based Disaster Risk Reduction (Eco-DRR) skills by ecological methods in the watershed, thereby contributing to sustainable watershed management can be planned and implemented.</p> <p><b>【Outcome】</b> Unit 1: To be able to understand the hazards of various disaster risk increases in the watershed that is associated with climate change and development on a global scale. Unit 2: To be able to understand the concept of Eco-DRR and acquire ecological disaster risk reduction methods that do not depend only on structures. Unit 3: To be able to devise Eco-DRR method for reducing various disaster risks in the target watershed. Unit 4: To be able to devise a sustainable management plan for the entire river basin by using concrete Eco-DRR methods in the target watershed area.</p>	<p><b>【Target Organization】</b> Central or local governments or public specialized agencies involved in disaster prevention in watershed, utilization of multifaceted functions of forests or ecosystem conservation. It is desirable to have participant from the same institution continuously for three years.</p> <p><b>【Target Group】</b> Backbone officers or working officers who have more than five years experience on the subject.</p>	
<p><b>Contents</b></p> <p>In order to attain both ecological conservation and disaster risk reduction within the watershed, participants will learn theoretical concept, basic data analysis skills, and Japanese experiences and case-studies, through many lectures, practices, and field visits. This will equip participants with basic knowledge and skills to solve the problems they face.</p> <p><b>【Preliminary Phase】</b> Formulation of the Inception Report that includes researches on the current situation of disaster risks and degradation of ecosystems in the watershed of participant's country.</p> <p><b>【Core Phase】</b> (1) Present state of global climate change, current state of disaster risk increase caused by the above-mentioned change, basic concept of Eco-DRR, foundation of landscape ecology, foundation of GIS, concept of ecosystem services. (2) Eco-DRR by using riparian forests, Eco-DRR by forest regeneration in mountainous areas, flood control measures and Eco-DRR in the tributary areas and anti-flood pond, Ecosystem Service and Eco-DRR, community participation and formulation of mutual consent, GIS utilization in Eco-DRR (3) Problem analysis, Participatory investigation method, Capacity development, formulation of Action plan report</p> <p><b>【Finalization Phase】</b> Hold a meeting to report and share the results of the training, and obtain approval of the Action Plan in the participant's organization.</p>	<p><b>Course Period</b></p>	<p>2019/6~2019/8</p>
	<p><b>Department in Charge</b></p>	<p>Global Environment Department</p>
	<p><b>JICA Center</b></p>	<p>JICA Hokkaido (Obihiro)</p>
	<p><b>Cooperation Period</b></p>	<p>2018~2020</p>

**Implementing Partner** A.R.C. Corporation

**Remarks and Website**