GIS, Remote Sensing, Information System and Community Participation for Biodiversity 生物多様性保全のためのGIS・リモートセンシング、情報システム及び住民参加	Continuing

Target Countries :

Course No. :	201984744-J002
No. :	201984744
Sector :	Nature Conservation/Conservation of Biodiversity
Sub-Sector :	
Language :	English

Outline

In the National Biodiversity Strategy of Japan 2010, it showed a vision of achieving the world of "maintain ecosystem services, provide their benefits for everyone, evaluate/conserve biodiversity, utilize it wisely". For the achievement, understanding current status, accumulating/sharing information, actions based on the fact and consensus building between stakeholders, are required. (*)

Objective/Outcome	Target Organization / Group
【Objective】 Participants and their organizations will acquire basic techniques needed to manage biodiversity conservation and protected areas, understand related mechanisms, and be able to formulate an action plan for solving problems. 【Outcome】 1)Understand government policies/private organizations' activities related to survey/conservation of biodiversity and related issues like human-nature conflicts, and explain current status/problems in their own country 2)Understand ideas/techniques of GIS/remote sensing/database/web system and their operations 3)Understand ideas/techniques for setting protected areas/buffer zone by GIS/remote sensing, and for evaluating effects 4)Learn about scientific surveys to know and evaluate ecological situations, and methods to know causes of human-nature conflicts 5)Learn about creating natural-environment data by local people/universities/NGOs, and ideas/methods of collaboration for managing protected areas/buffer zone 6)Understand ideas/techniques for collecting/accumulating/sharing natural-environment data 7)Propose the projects/measures for environmental education, consensus building with local people, etc., to conserve biodiversity and maintain ecosystem services, based on outputs 1)-6) above	【Target Organization】 Central/Regional public institution or private organizations and NGOs, engaged in planning/implementing measures for biodiversity conservation 【Target Group】 1)Central/Regional officials, NGOs/private organizations' staff, researchers, engaged in planning/implementing measures for biodiversity conservation 2)5 years practical experience or more 3)Age: 25-40 years old 4)Be able to operate PC smoothly etc.

Contents		
【Preliminary Phase in home country】Submission of Inception Report 【Core Phase in Japan】In order to set appropriately protected area/buffer zone for maintaining biodiversity conservation and ecosystem services, build network and reduce conflicts, participants will learn the following by lectures/practices/field visits; 1)Policies/measures taken for conservation/survey of natural environment/biodiversity in Japan 2)Compiling database for accumulating/sharing survey data/informations related to natural environment. 3)Basic techniques on GIS/remote sensing, methods for creating/display/analysis of informations by GIS 4)Methods of suveys/monitoring for understanding causes/current status in human-nature conflicts, and GIS data origination based on the survey results 5)Ideas/techniques of setting conservation areas (GAP analysis) and biodiversity evaluation by GIS 6)Ideas/techniques of information sharing with local people, consensus building, environment education and awareness raising 7)Making Action Plans for biodiversity and ecosystem service conservation 【Finalization Phase】Knowledge and techniques acquired in Japan are shared in participant's organization and persons concerned.	**Course Period**	2019/10/1～2019/12/4
	Department in Charge	Global Environment Department
	JICA Center	JICA Hokkaido (Obihiro)
	Cooperation Period	2018～2020

Implementing Partner	EnVision Conservation Office
Remarks and Website	(*) This training aims to learn/obtain the GIS/remote sensing/database/related surveys and the methods & ideas to promote people's participation, and contribute to practice them in each participant's country.