| GIS and Remote Sensing utilized for Biodiversity Information System and Participatory Approach toward Biodiversity Conservation Actions 生物多様性保全のためのGIS・リモートセンシングを利用した情報システム及び住民参加型保全 | Continuing |
|---|---|
| | 8   participants |

**Target Countries :**

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| **Course No. :** J1704224 | **No. :** 1784744 |
| **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】<br>Participants and their organizations will acquire techniques needed to manage biodiversity conservation and protected areas, understand related mechanisms, and be able to formulate an action plan for solving problems.<br>【Outcome】<br>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<br>2. Understand ideas/techniques of GIS/remote sensing/database/web system and their operations<br>3. Understand ideas/techniques for setting protected areas/buffer zone by GIS/remote sensing, and for evaluating effects<br>4. Learn about scientific surveys to know ecological situations, and methods to know causes of human-nature conflicts<br>5. Learn about creating natural-environment data by local people/universities/NGOs, and ideas/methods of collaboration for managing protected areas/buffer zone<br>6. Understand ideas/techniques for collecting/accumulating/sharing natural-environment data<br>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】<br>Central/Regional public institution or private organizations, engaged in planning/implementing measures for biodiversity conservation (including NGO)<br>【Target Group】<br>1. Central/Regional officials, NGOs/private organizations' staff, researchers, engaged in planning/implementing measures for biodiversity conservation<br>2. 5 years practical experience or more<br>3. Age: 25-40 years old<br>4. Be able to operate PC smoothly |

| Contents | | |
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| 【Preliminary Phase in home country】Submission of Inception Report<br>【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;<br>1. Policies/measures taken for conservation/survey of natural environment/ biodiversity in Japan<br>2. Basic techniques on GIS/remote sensing, methods for creating/display/analysis of information by GIS<br>3. Ideas/techniques of setting conservation areas (GAP analysis) and biodiversity evaluation by GIS<br>4. Methods of surveys/monitoring for understanding causes/current status in human-nature conflicts, and GIS data origination based on the survey results<br>5. Ideas/techniques of information sharing with local people, consensus building, environment education and awareness raising<br>6. Compiling database for accumulating/sharing survey data/information related to natural environment.<br>7. Making Action Plans for proposing the project | **Course Period** | 2017/05/23～2017/07/29 |
| | **Department in Charge** | Global Environment Department |
| | **JICA Center** | JICA Hokkaido (Obihiro) |
| | **Cooperation Period** | 2015～2017 |

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| **Implementing Partner** | Under Planning |
| **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. |