

**Target Countries :**The grant aid "Forest Conservation Plan" target countries will be the primary

**Course No. :**J1704240

**No. :**1784732

**Sector :**Nature Conservation/Sustainable Use of Natural Resources

**Sub-Sector :**

**Language :**English

**Outline**

REDD+ is well known as an urgent issue in global society. But in many developing countries, there are not sufficient systems nor personnel so that they can investigate forest resources, which is basic information for REDD. In this training, participants can acquire basic remote sensing skills and make a database using basic GIS technique in order to understand forest resources in their own countries.

Objective/Outcome	Target Organization / Group	
<p><b>【Objective】</b> Participants are expected to acquire the basic skills and knowledge for using remote sensing with the aim of understanding forest resources in their own countries on the basis of international discussion of REDD+. Also they are expected to acquire the basic skills and knowledge for making or utilizing database of their own countries using GIS technique.</p> <p><b>【Outcome】</b> 1. To overview the present situation and issues of forest management in their own countries 2. To acquire the current knowledge about the REDD+ using a remote sensing 3. To learn about the basic theory and skills of remote sensing 4. To acquire the knowledge and technique for the practical use of remote sensing of forest resources 5. To acquire the knowledge and technique for the practical use of GIS of forest resources 6. To make a database of their own country in order to investigate forest resources using skills, technique and knowledge which are expected to learn during this training course</p>	<p><b>【Target Organization】</b> Forestry Department, Department of Environment of Natural Resources which are engaged in forest management or REDD+/Climate Change</p> <p><b>【Target Group】</b> 1. An administrative official or researcher currently to be engaged in forestry management or REDD which use remote sensing or GIS in routine work. 2. More than 3 years practical experience 3. Enough IT literacy 4. Enough English communication skill</p>	
<p><b>Contents</b></p> <p>1. To formulate and submit Country Report 2. To understand international discussion on REDD+, trends and effort of forest monitoring system, introduction of JICA and JAXA cooperation, introduction of ALOS2 (Palsar2), to visit the research field, to visit company, introduction of the precedent projects 3. Basic Knowledge of Remote Sensing: spectral characteristics, sensor types, characteristics of the data, mechanism of image classification, description of indicators, available softwares 4. Acquisition of Remote Sensing Technology: pre-processing of data, creation of landcover map, and the calculation of the index interpretation 5. Acquisition of GIS technology: software, basic knowledge of data, utilizing the ecosystem services with the model of forest carbon stocks to mapping technology and decision-making 6. To take advantage of technique learned in ③~⑤, to design database for forest resource monitoring. Using knowledge of ③~⑤, help to solve problem in their own country</p>	<p><b>Course Period</b></p>	<p>2017/05/07~2017/06/24</p>
	<p><b>Department in Charge</b></p>	<p>Global Environment Department</p>
	<p><b>JICA Center</b></p>	<p>JICA Hokkaido (Sapporo)</p>
	<p><b>Cooperation Period</b></p>	<p>2017~2019</p>
<p><b>Implementing Partner</b></p>	<p>Rakuno Gakuen University</p>	
<p><b>Remarks and Website</b></p>		