

Target Countries : Member States of WMO (World Meteorological Organization)

Course No. : J1804232

No. : 1884484

Sector : Water Resources/Disaster Management/Meteorology

Sub-Sector :

Language : English

Outline

This program aims to provide basic knowledge and key techniques for use in numerical weather prediction, satellite meteorology and climate information for reinforcement of meteorological services and disaster prevention, with support from the Japan Meteorological Agency, one of the most advanced meteorological services in the world.

Objective/Outcome	Target Organization / Group	
<p>【Objective】 This program is intended to promote activities to reinforce the meteorological services of each country, with application of meteorological data/products such as numerical weather prediction, satellite images and climate information.</p> <p>【Outcome】 1. Gain an overview of fundamental components of NMHS (National Meteorological Hydrological Services) and its roles in the context of disaster management in their countries. 2. Learn to use key techniques for meteorological services, such as numerical weather prediction and satellite meteorology. 3. Learn to produce several types of meteorological information to meet user needs, utilizing key techniques such as numerical weather prediction and satellite meteorology. 4. Learn to produce climate information with climate and global environmental data/products, and to brief users on such information. 5. Develop comprehensive and concrete Action Plans to address issues of their own NMHSs.</p>	<p>【Target Organization】 National Meteorological and Hydrological Services or related organizations. 【Target Group】 • Be meteorological officials classified as Meteorologists according to the World Meteorological Organization personnel categories. • Be presently engaged in meteorological services for their governments or government-related public organizations.</p>	
<p>Contents</p> <p>1. Lectures on the basics of numerical weather prediction and its application. Lectures on the outline of satellite meteorology and application of satellite data. Lectures on the global telecommunications system. 2. Exercises on satellite data application. Exercises on operational forecasting. Lectures on the knowledge and skill to make up meteorological information which meets users' requirements. 3. Lectures on the climatological and global environmental information. Exercises on the application of climatological and global environmental information. 4. Creation, presentation and discussion of final report [After the training course] Implementation of activities to transfer the knowledge and expertise to colleagues to improve the meteorological services of participants' organizations (follow-up survey with questionnaire). Contents: <Preliminary Phase> Preparation of Questionnaire, Country Report and Presentation <Core Phase in Japan> Lectures and Practices to be planned as below: The basics of numerical weather prediction and its application, the outline of satellite meteorology and application of satellite data, the global telecommunication system, exercise on operational forecasting, the knowledge/skill to make up meteorological information based on user needs, the climatological and global environmental information, exercise on the application of climatological and global environmental information, etc.</p>	<p>Course Period</p>	<p>2018/9~2018/12</p>
	<p>Department in Charge</p>	<p>Global Environment Department</p>
	<p>JICA Center</p>	<p>JICA Tokyo (Economy&Env.)</p>
	<p>Cooperation Period</p>	<p>2017~2019</p>
<p>Implementing Partner</p>	<p>Japan Meteorological Agency</p>	
<p>Remarks and Website</p>	<p>http://www.jma.go.jp/jma/indexe.html</p>	