Reinforcement of Meteorological Services 気象業務能力向上	Continuing

Target Countries :	
Course No. :	201984484-J002
No. :	201984484
Sector :	Disaster Risk Reduction/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
【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. 【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.	【Target Organization】 National Meteorological and Hydrological Services or related organizations. 【Target Group】 1. Be meteorological officials classified as Meteorologists according to the World Meteorological Organization personnel categories. 2. Be presently engaged in meteorological services for their governments or government-related public organizations, etc.

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. -Presentation on Action Plans and Discussion ※In this program, we introduce "Active Learning" approach to promote knowledge co-creation among participants.	**Course Period**	2019/9～2019/12
	Department in Charge	Global Environment Department
	JICA Center	JICA Tokyo(Economy&Env.)
	Cooperation Period	2017～2019

Implementing Partner	the Japan Meteorological Agency
Remarks and Website	https://www.jma.go.jp/jma/indexe.html