

**Target Countries :****Course No. :**201984789-J002**No. :**201984789**Sector :**Environmental Management/Air Pollution/Acid Rain**Sub-Sector :****Language :**English**Outline**

To reduce potential adverse impacts of air pollutants on human health and ecosystems in developing countries, proper air quality management is required at all levels. This project aims to develop capacity for air quality management based on scientific tools, including atmospheric monitoring, emission inventory and model simulation, making use of the knowledge and experiences that Japan possesses.

<b>Objective/Outcome</b>		<b>Target Organization / Group</b>	
<p><b>【Objective】</b></p> <p>Through obtaining the module outputs indicated below, participants are to develop a proposal which contributes to the improvement of the air quality management capacity of the countries of participants at local, national and regional level, through making use of the knowledge and techniques obtained in Japan.</p> <p><b>【Outcome】</b></p> <ol style="list-style-type: none"> <li>1. To understand a whole scheme of air quality management.</li> <li>2. To understand the techniques of air quality monitoring and the key issues in establishing air quality monitoring scheme, and to examine the applicability to the participant's country or region.</li> <li>3. To understand the sources of air pollutants and the key issues in determining emission levels, and to examine the applicability to the participant's country or region.</li> <li>4. To formulate a feasible Action Plan for air quality management in a country or region.</li> </ol>		<p><b>【Target Organization】</b> Central/local government, research institute, public organization responsible for air quality management</p> <p><b>【Target Group】</b> Participants should meet the following conditions.</p> <ol style="list-style-type: none"> <li>1. Nominated by their government.</li> <li>2. Staffs in central or local governments who are engaged in air quality management and administration</li> <li>3. At least 3 years job experience.</li> <li>4. Graduates of university.</li> </ol>	
<b>Contents</b>		<b>Course Period</b>	2019/8-2019/9
(Prior Activity) Develop a report on the current situation and challenges of air quality management of the participant's country or locality.		<b>Department in Charge</b>	Global Environment Department
(Training in Japan) The following lectures, practices and site visits are to be conducted.		<b>JICA Center</b>	JICA Tokyo (Economy&Env.)
<p>(1) Japan's Air Quality Management Policy, Policy Framework for Stationary and Mobile Sources, Effects of Air Pollutants, Environmental Quality Standards.</p> <p>(2) Outline of Air Quality Monitoring, Monitoring Techniques, Monitoring Scheme at National and Local Levels, Quality Assurance and Quality Control, Analysis and Evaluation of Monitoring Data, Observation of Monitoring Stations.</p> <p>(3) Source of Air Pollutants, Development of Emission Inventory, Modeling of Transportation and Chemical Processes, Characteristics and Selection of Models, Verification of Effectiveness of Countermeasures through Models, Practices of Simulation Models.</p> <p>(4) Development and Presentation of Action Plan.</p> <p>(Post-training Activity) Report at JICA office, Deliberation of Action Plan in their organization, Submission of Progress Report within 6 months after their returning.</p> <p>※In this program, we introduce "Active Learning" approach to promote knowledge co-creation among participants.</p>		<b>Cooperation Period</b>	2019~2021
<b>Implementing Partner</b>	Under Planning		
<b>Remarks and Website</b>	The contents have been reviewed and improved based on the experience in the previous training course "Air Quality Management Policy".		