

**Target Countries :****Course No. :** J1804166**No. :** 1884914**Sector :** Environmental Management/Other Environmental Management Issues**Sub-Sector :****Language :** English**Outline**

Minamata Convention on Mercury adopted in 2013 requests the Parties to report the information on mercury and the progress of the measures implemented. The system of the mercury monitoring, however, has not been established in many countries in Asia-Pacific region. This course includes training of sampling and analytical methods of mercury to start up the mercury monitoring in each country.

<b>Objective/Outcome</b>		<b>Target Organization / Group</b>	
<p><b>【Objective】</b> To understand the needs and issues for introducing the monitoring system of mercury in their own country through the course of the instruments and tools for mercury monitoring and analysis, the analytical methods, standard operation procedures and quality assurance and quality control measures, etc.</p> <p><b>【Outcome】</b> 1. To explain the risk on the human health and the environment by studying the scientific knowledge of physical property, environmental fate and status, etc. of mercury 2. To control the procedures of data analysis and processing for ensuring the reliability of the data in chemical analysis 3. To explain the methodologies for analyzing mercury in various media through visiting Japanese analytical laboratories and observing their quality control procedures 4. To adapt the sampling method for measuring mercury in environmental media to her/his own field through the case study of environmental monitoring in Japan 5. To discuss among participants the cooperative actions and necessary supports for establishing the mercury monitoring network in Asia and Pacific region.</p>		<p><b>【Target Organization】</b> Public research institute which conducts chemical analysis, and inspection agency on public health/hygiene</p> <p><b>【Target Group】</b> 1. A technical staff working for the laboratory of chemical analysis, with from three to ten year experience on the chemical analysis in environmental media 2. A clinical laboratory technologist with from three to ten year experience on the chemical analysis in bio-media.</p>	
<b>Contents</b>		<b>Course Period</b>	2018/10/1~2018/10/30
<p>1. Physicochemical and toxicological characteristics of mercury, environmental fate and status of mercury by the UNEP Global Mercury Assessment, objective and justification of mercury monitoring 2. Quality assurance and quality control, regulatory measures of mercury such as environmental standard. 3. Introduction of analytical chemistry for mercury monitoring, analytical method for environmental and biological media, operational principles of analytical instruments, explanation of handling steps, and exercise of analytical work of water, soil, fish and shellfish, and human hair 4. Case study on fact-finding survey for mercury contamination in the environment 5. Outline of the plan for the mercury monitoring network in the Asia and Pacific region, discussion of the mercury monitoring system in each participant's country</p>		<b>Department in Charge</b>	Global Environment Department
		<b>JICA Center</b>	JICA Kansai ( I )
		<b>Cooperation Period</b>	2017~2019
<b>Implementing Partner</b>	IDEA Consultants, Inc.		
<b>Remarks and Website</b>			