

Mining Course (Development/Environment) 資源コース(開発・環境)		Continuing
<b>Target Countries :</b> Resource- rich countries (Target countries of the KIZUNA Program)		
<b>Course No. :</b> 201984607-J002		
<b>No. :</b> 201984607		
<b>Sector :</b> Natural Resources and Energy/Mining		
<b>Sub-Sector :</b>		
<b>Language :</b> English		
<b>Outline</b>		
At the present, minimization of environmental load to nature and effective use of natural resources is required in mineral resources development and utilization. This training is for governmental officials(technocrat) and educators/ researchers to learn basic and latest techniques regarding circulating system of utilization of resources such as development, production, deposit, recycling and environmental protection/ rehabilitation.		
<b>Objective/Outcome</b>		<b>Target Organization / Group</b>
<b>【Objective】</b> To learn basic and latest technology regarding circulating system of utilization of resources such as mining development, production, mine waste, recycling and environmental protection/ rehabilitation and provide feedback to participant's own country the knowledge of sustainable resource development/ utilization for circulating society.		<b>【Target Organization】</b> Ministry related with mineral resources, University
<b>【Outcome】</b> (1) To learn rock mechanics/ dynamics which is foundation of the development. (2) To learn extractive technology considering slope stability, stress analysis of mine gallery (3) To learn technology of mineral processing/ recycling mine waste (4) To learn mechanism of environmental pollution/ protection/ rehabilitation (5) To learn research of development/ cycling system and latest technology of effective natural resources utilization to minimize environmental load		<b>【Target Group】</b> (1)Under 40 years old and working in government, government related organization or university in filed of development/ environment in mining sector (2)More than 3 years experience in this field (3)Graduated university in this field (4)Have enough English and PC skill (5)In good health
<b>Contents</b>		
Lectures, laboratory works and field practices of below subjects regarding cycling system of use of natural resources in environmental engineering, resource engineering, geotechnique area. (1) Interaction of rocks, minerals, water within surface substances (2) Rock bed stability evaluation for digging (3) Processing (4) Collection of valuable mineral (5) Recycling of waste (6) Mechanism of environmental pollution (7) Environmental protection/ rehabilitation		<b>Course Period</b> 2019/10/1~2019/11/13
		<b>Department in Charge</b> Industrial Development and Public Policy Department
		<b>JICA Center</b> JICA Hokkaido (Sapporo)
		<b>Cooperation Period</b> 2018~2020
<b>Implementing Partner</b>	Hokkaido University, Kyusyu University, Akita University, Mitsubishi Material Techno.	
<b>Remarks and Website</b>		