

**Target Countries :** Arid countries in Africa and Middle East(A), Central Asia and Caucasus (B).

**Course No. :** (A) 201984726-J002/ (B) 201984954-J002

**No. :** (A) 201984726/ (B) 201984954

**Sector :** Agricultural Development/Irrigation/Drainage

**Sub-Sector :**

**Language :** (A) English/ (B) Russian

**Outline**

Participants for this training course are engineers and/or researchers engaging in the area of appropriate management of land and water resources for sustainable agriculture at central and/or local government(s). It aims that participants will gain necessary knowledge and technology, and then going back to their countries, they will disseminate what they gain in Japan among their own organizations.

Objective/Outcome		Target Organization / Group	
<p><b>【Objective】</b>                      The engineer or researcher who is involved in appropriate management and effective use of land and water resources working for central and local government will gain necessary knowledge and technology (A・B) , and then will disseminate those in their own organizations or target areas (A).</p> <p><b>【Outcome】</b>                      To achieve the above mentioned objective, following seven outputs are required;                      1. Learn the outline of the system for better management of land and water use in Japan in order to know the difference from their own countries (A). 2. Learn monitoring and analysis methods for evaluation and management in better use of agricultural land, water resources and irrigation facilities which contributes to sustainable agriculture development in arid land (A・B) . 3. Acquire knowledge and techniques for a better planning and management in use of water resources and irrigation facilities (A・B). 4. Acquire knowledge and techniques for a better planning and management in use of agricultural land (A). 5. Acquire knowledge and techniques for a better planning and implementation in the promotion of rural development (A) 6. Acquire knowledge and techniques on Remote Sensing for Geological Information Management (A) 7. Develop an action plan on agricultural/rural development fitting to the context of the countries of each participant (A).</p>		<p><b>【Target Organization】</b>                      Organizations or research institute with sections of land and water resources management in central and local governments</p> <p><b>【Target Group】</b>                      ・Engineers or researchers who will be key person in the division of the land and water resources management                      ・University graduates or equivalent in agriculture or engineering and more than 3 years' experience in the relevant field                      ・Under 40 years old (A)/35 years old (B)</p>	
<b>Contents</b>		<b>Course Period</b>	(A) 2019/7~2019/11 (B) 2019/11~2019/12
<p><b>【Preliminary Phase】</b> Formulation and submission of Country Report</p> <p><b>【Core Training in Japan】</b>                      Through the following lectures, exercises and observations, participants will acquire comprehensive knowledge and skills;                      (A) 1. Land and Water Management Acts in Japan, 2. Groundwater resource Management, 3. River System Management, 4. Management of Irrigation and Drainage Facilities, 5. Field Water Management, 6. Soil Management, 7. Crop Management, 8. Rural Management, 9. Energy Management, 10. Environmental Impact Assessment, 11. Management of Geographic Information.                      (B) 1. Water Resource Efficiency (at agricultural land level), 2. Water Resource Efficiency (at irrigation system level), 3. Hydrological Observation Technology, 4. Site Visits</p>			<b>Department in Charge</b>
		<b>JICA Center</b>	(A) JICA Chugoku (B) JICA Chugoku
		<b>Cooperation Period</b>	2018~2020
<b>Implementing Partner</b>	(A) Tottori University/ (B) Tottori University		
<b>Remarks and Website</b>	Course Period (JFY2018): ・End Jul. 2018~Early Nov. 2018 (A) ・Mid Nov. 2018~Early Dec. 2018 (B)		