This program will train drilling managers (NOT drillers) of owner side in 6 weeks. Trainees will learn drilling technology, logistics, contract and case study, finally exercise drilling planning. In case study, countermeasures and lessons from failure drilling in Japan will be introduced.

<table>
<thead>
<tr>
<th>Objective/Outcome</th>
<th>Target Organization / Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action plan will be formulated to strengthen the capacities for drilling planning and operation. For countries which outsource drilling, action plan will be formulated to strengthen the capacities for ordering and monitoring of drilling contractor.</td>
<td>Governmental organization in charge of geothermal development</td>
</tr>
<tr>
<td><strong>Outcome</strong></td>
<td><strong>Target Group</strong></td>
</tr>
<tr>
<td>1. To understand the knowledge about drilling technology, logistics, etc.</td>
<td>Over 3 years’ experience in this field. Fluent in English.</td>
</tr>
<tr>
<td>2. To understand the knowledge about drilling planning and ordering contractor</td>
<td></td>
</tr>
<tr>
<td>3. To understand the knowledge about operation management and monitoring contractor</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contents</th>
<th>Target Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preliminary Phase in home country</strong></td>
<td>Countries with geothermal resources</td>
</tr>
<tr>
<td>Preparation of the country report about geothermal drilling</td>
<td>8 participants</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sub-Sector</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Resources and Energy/Renewable Energy</td>
<td>English</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Objective/Outcome</th>
<th>Target Organization / Group</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core phase in Japan</strong></td>
<td></td>
</tr>
<tr>
<td>1. Lecture on drilling technology, equipment, parameter, logging, contract and HSE</td>
<td></td>
</tr>
<tr>
<td>2. Lecture on monitoring of contractor, failure case study</td>
<td></td>
</tr>
<tr>
<td>3. Drilling site visit</td>
<td></td>
</tr>
<tr>
<td>4. Exercise drilling planning</td>
<td></td>
</tr>
<tr>
<td>5. Action plan making and presentation</td>
<td></td>
</tr>
<tr>
<td><strong>Finalization Phase in home country</strong></td>
<td></td>
</tr>
<tr>
<td>Practice of the action plan (JICA will provide technical advise)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department in Charge</th>
<th>Course Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Development and Public Policy Department</td>
<td>2017/07/05〜2017/08/10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>JICA Center</th>
<th>Cooperation Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>JICA Kyushu</td>
<td>2016〜2018</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Implementing Partner</th>
<th>Remarks and Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kitakyushu International Techno-cooperative Association (KITA)</td>
<td></td>
</tr>
</tbody>
</table>