Disruptive technology innovation challenge for landscape restoration in the Aral Sea region (Kazakhstan & Uzbekistan)

Kazakh-German University
Objectives

• Identification of the disruptive technologies and innovation approaches

• Capacity building and knowledge sharing

• Development of better ecosystem for innovations

• Development of network of innovation technologies

Main goal: to introduce and develop innovative approaches and technologies for landscape restoration in degraded landscapes in the Republic of Kazakhstan and Uzbekistan along the Aral Sea region.
Baseline assessment

KEY CONSTRAINTS AND PRIORITIES

MARKETING ANALYSIS ON LOCAL INNOVATIONS AND STARTUPS

THE INTERNATIONAL EXPERIENCE ANALYSIS

*Reports on description of priority areas and needs for attracting disruptive technologies
CHALLENGE DAY III
February 2021
(for short-listed participants)

CAPACITY BUILDING II
Block 1 Pre-challenge capacity building – open trainings for short-listed participants (~20)
(February 2020)

Block 2 Post challenge capacity building final winners (March – June 2021)

CALL FOR PROPOSALS I
Deadline: January 24, 2021
Participants: international
Capacity building 2:

**THEMATIC WEBINARS**
online webinars to develop thematic knowledge in this area

**BUSINESS DEVELOPMENT**
Webinars on business development, project management

**MENTORING PROGRAMME**
Mentoring in business development
## Recommendations

<table>
<thead>
<tr>
<th>Group of technologies/Directions</th>
<th>Farming management technologies based by AI</th>
<th>Technologies of water apportioning, water saving and irrigation, including drainage water</th>
<th>Renewable energy technologies in ensuring energy efficiency and water availability</th>
<th>Introduction of new/adapted seed varieties and seed breeding bases</th>
<th>Technologies for rehabilitation the natural condition of degraded lands (organic farming)</th>
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</thead>
<tbody>
<tr>
<td>Irrigated agriculture</td>
<td>X</td>
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<tr>
<td>Rainfed agriculture</td>
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<tr>
<td>Grazing land</td>
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<td>Forest</td>
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![Water resources of the Aral Sea basin map](image)
Further steps:

**INFORMATION**
for baseline assessment of the current situation in the Aral sea region (KZ and UZ)

**DISSEMINATION**
of information on Call for proposals

**JURY MEMBERS**
for selection panel

**TRAINERS**
thematic lecturers, trainers, speakers

**INTERVIEW**
participation on video interview
THE INTERNATIONAL INNOVATION CENTER FOR THE ARAL SEA BASIN UNDER THE PRESIDENT OF THE REPUBLIC OF UZBEKISTAN

GREEN CA (Regional Environmental Expert Network of Central Asia)
DKU PROJECT TEAM

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