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DISRUPTIVE TECH CHALLENGE

ARAL SEA WATERSHED

THE WORLD BANK

RESILAND CA+
RESILIENT LANDSCAPES PROGRAM

CAWEP
CENTRAL ASIA WATER & ENERGY PROGRAM

DKU DEUTSCH KASACHISCHE UNIVERSITÄT

Global Landscapes Forum

Disruptive Technologies

Innovations that abruptly alter the way consumers and businesses operate

Why is it important?

- New approaches to old problems
- Bottom-up approach can lead to more adequate solutions
- Public domain data – collective building blocks for the future

Disruptive Tech in Development: Green Technologies

- Robotics
- Remote sensing
- Irrigation
- Pollution
- Data access, analytics, modelling
- Project management (e.g. supervision, monitoring)

The pandemic and the world of innovation

Source: CNBC.com

online health care

blockchain-based epidemic monitoring platforms;

robotics and 3D-printing technologies

online education platforms and home-based working solutions

A challenge unlike others

- Focus on the Aral Sea Watershed (Kazakhstan and Uzbekistan)
- Replicable in other Central Asian degraded landscapes

Challenging socio-economic context

Extremely degraded Environment

Landscape restoration high on political agenda of Kazakhstan and Uzbekistan

- Bonn Challenge
- ECCA 30
- A Project financed by CAWEP
- Part of RESILAND CA+

Pledge to restore landscapes under the Bonn Challenge:
Kazakhstan – 1,500,000 ha (+conditional 300,000 ha)
Uzbekistan – 500,000 ha (+ conditional 500,000 ha)

BONN CHALLENGE

ECCA 30

CAWEP

CENTRAL ASIA WATER & ENERGY PROGRAM

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs, Education and Research EAER
State Secretariat for Economic Affairs SEC

UKaid
from the British people

CO-FUNDED BY THE EUROPEAN UNION

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Complementary with on-going efforts in Kazakhstan and Uzbekistan

The recovery of the North Aral Sea (Kazakhstan)

Planting Saxaul Trees in the Aral Sea (Kazakhstan & Uzbekistan)

Partnership for a lasting impact

Kazakh –German University

the Global Landscape Forum

Plug and Play

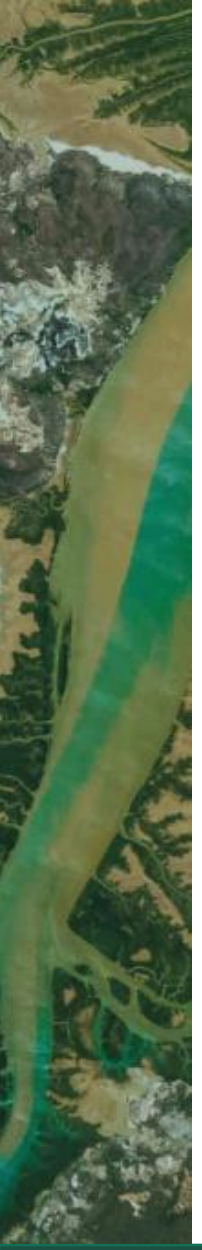
Governments of Kazakhstan and Uzbekistan

Scope of the challenge

Providing benefits for the landscape and its stakeholders

Create new out of the box solutions for recurrent problems, complementary to ongoing efforts

Fostering an ecosystem for innovation and partners



Activities

- Partnership Building
- Preparation of the challenge (ongoing)
- Challenge event (**End of February 2021**)
- Call for proposals until **January 15, 2021**
- Capacity building pre- and post-challenge
- Knowledge products

Challenge Day

- Pitching Session
- Discussion Panel
- Selection of the winners

Rewards and Recognition

- Top 5 submissions for each of the four themes will have the opportunity to share their ideas with a global audience during the **live online challenge event** when they present their findings and ideas to a panel of prominent experts from top international institutions in a Shark Tank format.

- As a shortlisted candidate, your proposal will be included in a **report on key innovations** for landscape restoration, to be published online by the World Bank and other prominent partners.

- Your solution will be featured in **key media outlets** in connection with the Challenge, the World Bank and other partners.

- The winners of each theme will receive a monetary **award** of up to approximately **US$4,000**. The decision on the final amount is pending.

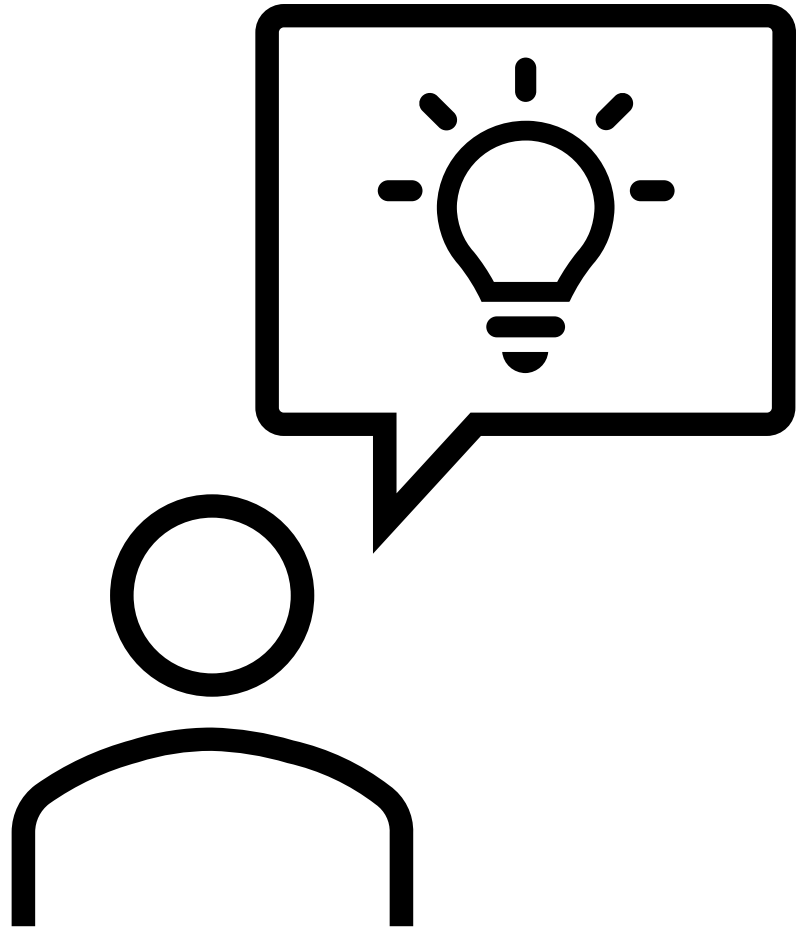
- The winners will be invited to participate in a **4-month Mentorship Program** sponsored by the World Bank, Plug and Play, Kazakh-German University (DKU), the Global Landscapes Forum (GLF), and other partners. Shortlisted participants will be interacting with the key partners from world leading venture capitalist firms, accelerators, governments and World Bank officials.

Knowledge Products

Ebook Such as:

http://www.appsolutelydigital.com/dt/

Online course material, MOOC (if additional funding is available)



We are not alone !

National Partners in Kazakhstan and Uzbekistan :

Ministries, Institutes, Tech and Research Hubs, Universities

Regional

Executive Committee for the International Fund for Saving the Aral Sea

International

ECCA30, IUCN, UNECE, WRI, German Government, UNCCD, Plug & Play,


GLOBAL DISRUPTIVE TECH CHALLENGE 2021
RESTORING LANDSCAPES IN THE ARAL SEA REGION
Thank You!