Regional mechanisms for the low carbon, climate resilient transformation of the energy-water-land Nexus in Central Asia

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Partners and focus areas

- Regional institutions
- Other development cooperation partners
- Private sector
- Academia
- Civil society organisations
Sustainable financing opportunities for projects with an energy-water-land use nexus focus

• Proposed activities
  • Develop a Regional Financing Mechanism for Nexus in Central Asia:
    • Develop a methodological guideline for financing private-sector projects through a water, energy and food nexus.
    • Deploy financial solutions (e.g. investment grants, guarantees, advisory service, due diligence) to enable investment projects in support of the energy-water-land use nexus
    • Generate lessons and insights for further replication across the region

• Expected outcomes:
  • Invest in pilot projects focusing on agribusiness in Central Asia
  • Explore replication opportunities in the region
Latest study and publication

• Agribusiness in Central Asia:
  • a vital pillar of the economy, but vulnerable to impacts of CC,
  • could also be a driver towards water, energy, and food security and climate resilience.

• Concrete examples from agribusiness companies
  • Generating multi-faceted commercial, climate, and environmental benefits on the ground.
  • Highlighting some opportunities to scale up / replicate such good practice across the region and across different sectors

• Leading to brief case studies:
  • Climate-resilient agribusiness in Central Asia: the Water, Energy, Land-use Nexus approach [https://oe.cd/well-nexus-case-studies]
The journey so far:

- Met EBRD bankers and their clients from Central Asia.
- Collected 15+ inspiring stories about agribusiness companies and their partners.
- Selected 4 case studies based on the following:
  - Multiple benefits for water, energy, and/or food security.
  - Positive impacts on the environment.
  - Creation of a new market and/or jobs in local communities.
Selected case studies

Hydroponic greenhouses
saving water use and reducing land and water pollution

Lentils production –
contributing to GHG reductions, soil fertilisation and climate resilience

Sugar production –
contributing to water saving and sugar self-sufficiency

Blended finance mechanisms –
Promoting access to finance in support of climate resilience
Planned future activities until MOP10

- Dialogues and analytical work on improved water-energy coordination in Central Asia
- Support to National Policy Dialogues on water in Central Asia
- Participation in Almaty Energy Forum 2023
- Launch “hotspot analysis”
- Further work with private sector agribusiness
Thank you!
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RESOURCES
www.unece.org/env/water/publications/pub.html
https://oe.cd/well-nexus