

18th meeting of the Working Group on Integrated Water Resources  
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# 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



Supported by:



based on a decision of  
the German Bundestag



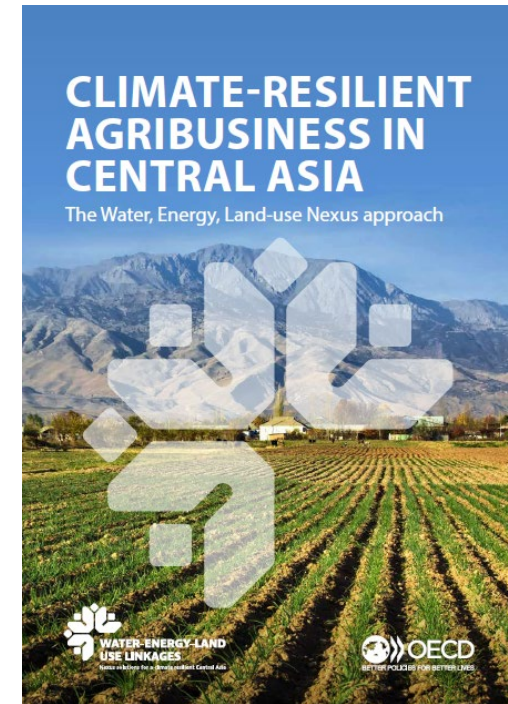
- Regional institutions
- Other development co-operation partners
- Private sector
- Academia
- Civil society organisations<sup>2</sup>

# 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:

- Water, Energy, Land-use Nexus for a climate resilient Central Asia (funded by Germany's IKI): Preparation phase (Sep 2021 – June 2022).
- 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

Lower climate  
vulnerability

Higher climate  
vulnerability

**Hydroponic greenhouses**  
saving water use and reducing  
land and water pollution



Source: Authors based on (Umirbekov, Akhmetov and Gafurov, 2022).

**Blended finance mechanisms –**  
Promoting access to finance in  
support of climate resilience

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



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



# 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!

(please include your contact information)



## WEB

[unece.org/env/water](https://unece.org/env/water)



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## RESOURCES

[www.unece.org/env/water/publications/pub.html](https://www.unece.org/env/water/publications/publications/pub.html)

<https://oe.cd/well-nexus>



WATER  
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