



Upcoming opportunities for the academic community in Central Asia

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Исполнитель:



Green Central Asia

Enhancing environment, climate and water resilience

Green Central Asia Initiative

Germany's contribution to climate protection and climate adaptation and an environmentally friendly development of Central Asia

- Comprehensive approach to climate protection, adaptation and ecosystem-based methodologies
- Projects are implemented in the following sectors: **water, energy, agriculture, green economy, biodiversity and environment protection as basis for resilient ecosystems**
- German contribution to the **Team Europe Initiative on Water, Energy and Climate Change**

Core topics:

- Climate diplomacy
- Water
- Agriculture
- Energy/Renewables
- Climate adaptation
- Biodiversity
- Environment & Nature protection
- Green Economy
- Education / professional education
- Science/Research cooperation

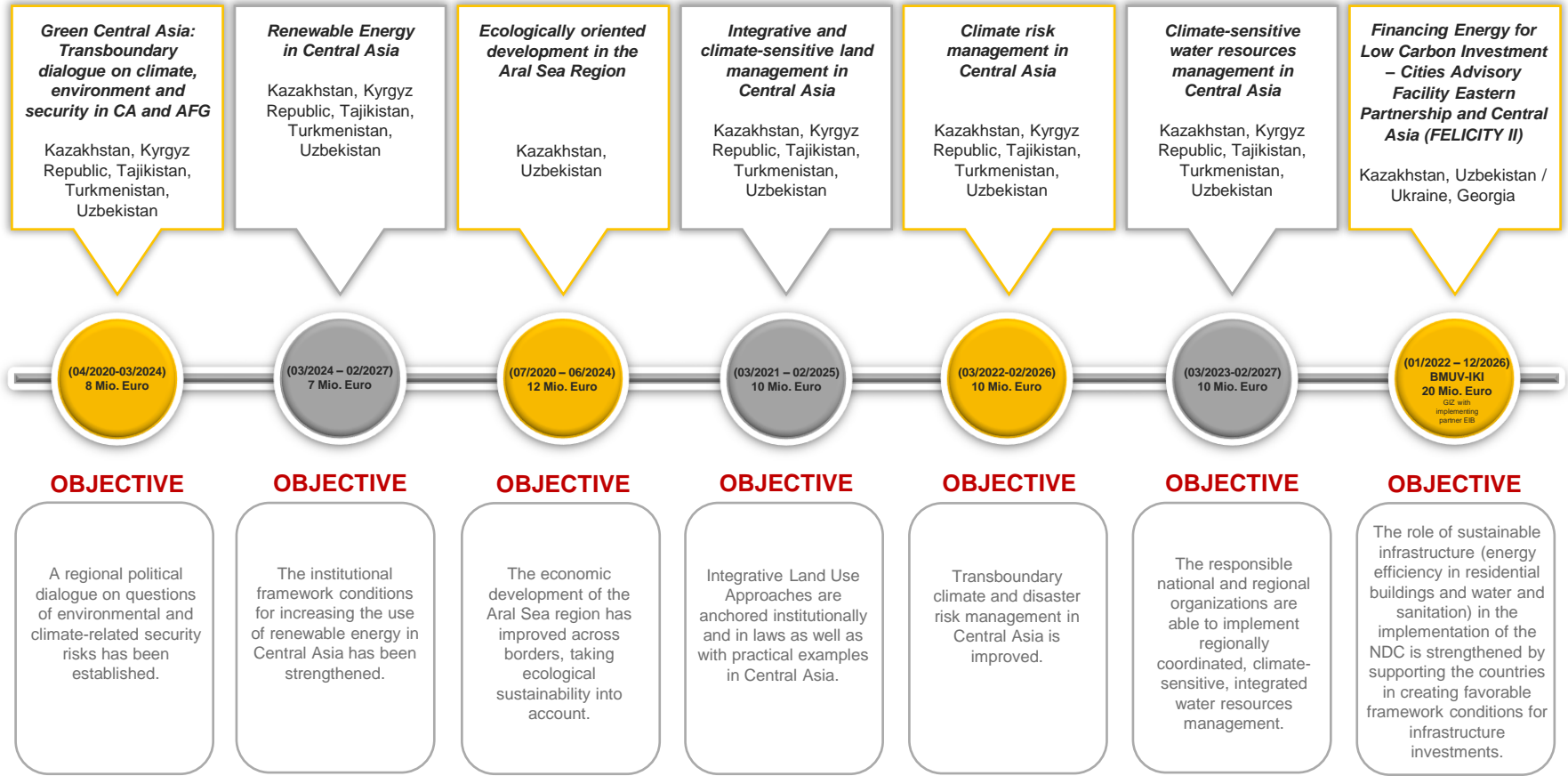


Participating German Ministries:

- AA
- BMBF
- BMEL
- BMUV
- BMWK
- BMZ

Co-financing partners:

- OSCE, projects in collaboration with Foreign Office
- EU
- SDC (Switzerland)



Integrative and climate sensitive land use in Central Asia (ILUCA) project

Overview

The **ILUCA** project aims to ensure that **integrative land use approaches** are better anchored at national and regional level in Central Asia.

Activity involving Academia

One activity of the project is to **integrate** the **Integrated Land Use Management Approach (ILUMA)** into the **curricula of higher education institutions** in Central Asia with the goal to equip the next generation of professionals with the necessary knowledge and skills to tackle the challenges of sustainable land use and management.

Current status

Regional **needs-assessment** has been carried out, to explore the relevance of ILUMA for higher education institutions (HEI) in Central Asia and identify the potential benefits of integrating ILUMA into their curricula. Now the results are being analyzed and should be ready by the end of the year.

Planned collaboration

- Following up on the needs from the assessment, **development of (a) module(s) on integrated and climate sensitive land use** will start, in collaboration with the HEIs and other educational institutions in the region.
- Planning to have more activities with universities jointly with our Green CA expert network.

Climate Risk Management in Central Asia (CRM CA) Project

Overview

The **CRM CA** project aims to improve transboundary climate risk management in the region.

Activities involving Academia

- **Knowledge Exchange:** Engaging with academic partners facilitates knowledge, research findings, and innovative methodologies relevant to climate risk management in Central Asia.
- **Research:** Academia contributes to the project by conducting specialized research, studies, and analysis pertaining to climate risks, which further enriches the project's insights and recommendations.
- **Capacity Building:** Collaborating with academia involves capacity-building initiatives, such as training programs and educational seminars aimed at enhancing the skills and capabilities of stakeholders involved in climate risk management efforts.
- **Review:** Academic partners might contribute to the validation and review of project methodologies and findings, ensuring the robustness and accuracy of the project's outcomes.

Examples for planned collaboration

- Partnership with German Research Centre for Geosciences to enhance MODSNOW modeling to an early warning system and its implementation in CA
- Partnership with Potsdam Institute for Climate Impact Research to develop climate impact assessment of water availability and improve technical capabilities of a transboundary early warning system for flood and drought in CA
- Study tours to Germany

Climate-Sensitive Water Resources Management in Central Asia Project

Overview

The project aims to **support** the **national and regional organizations** responsible for **water resources management** to implement **climate and gender-sensitive integrated water management** in a **regionally coordinated** manner.

The timeframe of the project is from 2023 - 2027.

Project donor

German Federal Ministry for Economic Cooperation and Development (BMZ), co-financing by the Swiss Agency for Development and Cooperation

Main project outputs

1. Improving cooperation and planning processes at the regional and river basin levels through the establishment of a platform for basin dialogues in the Amu Darya and Syr Darya river basins
2. Capacity development of national and regional basin organizations in the field of climate and gender sensitive IWRM
3. Promoting the IWRM approach in the context of climate change through the implementation of pilot activities

Output 2 aims to build capacities for climate-sensitive water resources management for national and regional water managers

How?

- Preparation of a **regional training concept and training material** for the basin organizations in the five project countries on climate- and gender-sensitive **water resources management**.
- Expanding the **capacities of Central Asian universities** in the areas of water management, methodology and pedagogy;
- Training the selected representatives of the national river basin organizations as **focal points** for the future dissemination of expertise and information.



Who?

- Together with **German Martin Luther University of Halle Wittenberg** and the **Swiss ETH Zurich University**, **five universities from Central Asia** (1 each from Uzbekistan, Kazakhstan, Turkmenistan, Kyrgyz Republic, and Tajikistan) as well as **CAREC**.



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Main activities

- **Baseline surveys and need assessment** of the universities and basin organizations
- Development of a **certification course for focal points** of the national river basin organizations
- Preparation of **concept and teaching materials** for water managers in Central Asia
- **Organization of Training for Trainers (ToT`s)** sessions for regional and national basin organizations
- Distribution of IWRM concept and teaching materials through the **Riverbp portal**



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Thank you for your attention!

