



THE USAID REGIONAL WATER AND VULNERABLE ENVIRONMENT ACTIVITY SECOND REGIONAL ROBUST DECISION SUPPORT WORKSHOP ON THE AMU DARYA BASIN

Organizers: USAID Regional Water and Vulnerable Environment Activity, Stockholm Environment Institute (SEI)

Date: September 25, 2023

Venue: “Summit” conference hall, Farovon Hotel, Khiva, Uzbekistan

Event format: in-person and online with simultaneous translation in Russian and English

Zoom link:

<https://us06web.zoom.us/meeting/register/tZwrDOGvpzlrGdEZT7bT1-a9g9C0echraLii>

The goal of the USAID Regional Water and Vulnerable Environment Activity is to **strengthen technical capacity and regional cooperation on the management of water resources across Central Asia for improved stability, economic prosperity, and healthy ecosystems**. The Activity takes a multi-level governance approach to tackling complex regional water challenges by strengthening collaboration through stakeholder dialogue; developing a shared vision for integrated and sustainable Syr Darya and Amu Darya basins management; and fostering collaborative action across sectors and governance levels by introducing the water-energy-food-environment (WEFE) nexus approach to planning and decision-making.

The Activity’s regional framework is operationalized through the Regional Coordination Committee (RCC) which convenes twice a year in conjunction with the Regional Decision Support (RDS) workshops.

Objectives of the Regional Robust Decision Support (RDS) workshop on the Amu Darya basin:

- To present an updated concept and approach to the RDS process based on comments received during the first Regional Workshop
- To demonstrate preliminary results of modeling Water, Energy, Food and Ecosystem security of the Amu Darya River basin
- To share preliminary results of the case study on the Tuyamuyun reservoir
- To discuss scenarios that go beyond the usual scenario
- To examine the difference between a sectoral planning approach (through the use of the WEAP water model only) and intersectoral planning (through the use of the WEAP-LEAP-Macro set of models)
- To discuss further development of WEAP-LEAP-Macro models with a focus on potential overall benefits for the Amu Darya basin

Expected results: coordination of scenarios for the further integrated model development

Participants: USAID Missions representatives, Stockholm Environment Institute, regional stakeholders related to water, (hydro)energy, agriculture, environmental protection, and foreign affairs.



AGENDA

Moderator: Anna Inozemtseva, IWRM Lead, USAID Regional Water and Vulnerable Environment Activity

14:00 – 14:10 **Opening remarks**
Welcoming remarks

Anna Inozemtseva, IWRM Lead, USAID Regional Water and Vulnerable Environment Activity

Session 1. Modeling process. Benefits of using an intersectoral approach

14:10 – 14:40 **Preliminary results of integrated WEAP-LEAP-Macro simulation**

- Overview of the WEAP-LEAP-Macro model and data sources,
Olga Kalashnikova, national expert, Kyrgyz Republic
- Preliminary results by country,
Jafar Niyazov, national expert, Republic of Tajikistan
- Preliminary results with and without integration,
Aliya Nurbatsina, national expert, Republic of Kazakhstan
- Preliminary results of Tyuamuyun case study,
Andrey Petrov, national expert, Republic of Uzbekistan

14:40 – 15:10 **Discussion WEAP-LEAP-Macro Simulation Results**

Moderators – national experts

- Participants are divided into small groups
- Each group studies the results related to the simulation

15:10 – 15:50 **Small group presentations**

- Participants present highlights of small group discussions

15:50-16:20 **Group photo and coffee break**

Session 2. Next steps for developing an integrated model for the Amu Darya river basin

16:20 – 16:40 **Presentation of preliminary scenarios for the Amu Darya basin**

In addition to the baseline (conservative) scenario presented in previous sessions, scenarios will be presented based on available data and assumptions

- Review of scenario realisation in WEAP and LEAP,
Elvira Omorova, national expert, Kyrgyz Republic
Arif Mamedov, national expert, Turkmenistan
- Possible reactions of Macro to scenario realisation in WEAP and LEAP in comparison with other economic models,
Denis Sorokin, national expert, Republic of Uzbekistan

Q&A session

16:40 – 17:10 **Discussion of scenarios with the focus on cooperation**

Moderators – national experts

- Participants are divided into small groups
- Each group studies the results related to the simulation

17:10 – 17:30 **Small group presentations**

- Participants present highlights of small group discussions



17:30 – 17:45

Next steps

Anna Inozemtseva, IWRM Lead, USAID Regional Water and Vulnerable Environment Activity

- Data collection
- Refinement of models
- Revised scenarios

17:45 – 18:00

Closing remarks

Anna Inozemtseva, IWRM Lead, USAID Regional Water and Vulnerable Environment Activity