



Global Water Partnership Central Asia and Caucasus (GWP CACENA)

# Report

## For April 2019

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## 1. National Student Olympiad on Integrated Water Resources Management in Central Asia

**Date:** 23-24 April 2019

**Place:** Bishkek

**Organizer:** Kazakh-German University

**Participants:** Students of state and national universities of Kyrgyzstan specializing in water management area, jury members - university teachers, CWP-Kyrgyzstan.

**Purpose:** to create conditions for young specialists from Central Asia and Afghanistan to collaborate with their colleagues in an equally understandable professional language based on knowledge of the basic principles of international and national water law and the theoretical foundations of integrated water resources management (IWRM).

CWP-Kyrgyzstan was invited to participate as a speaker and member of the experts group at the oral exam. Ms. Kasiet Musabaeva made a presentation "Information on CWP-Kyrgyzstan activity". Member of the CWP-Kyrgyzstan Youth Wing Tilek Askaraliev had the lead.

There were organized two excursions: - to the pilot area on planting poplar to the Institute of Forestry under the National Academy of Sciences of the Kyrgyz Republic and the World Agroforestry Center (ICRAF); - to the hydrometeorological station "Baytyk".



## 2. Seminar “Water issues in the SDGs structure until 2030 and opportunities for Kyrgyzstan”

**Date:** 19 April 2019

**Place:** Bishkek

**Organizer:** CWP-Kyrgyzstan

**Participants:** Representatives of water management departments of the Chui region, employees of local governments, local NGOs (Total: 26 people, incl. 12 women).

**Purpose:** informing participants about SDGs related to water and considering ways of possible participation of Kyrgyzstan in resolving problems in this regard.

CWP-Kyrgyzstan representatives disseminated information on SDGs and GWP, and exchanged views on ways to solve existing water problems in the Chui region of Kyrgyzstan, as well as possible areas of work to implement the SDGs in Kyrgyzstan.



## 3. Global workshop on Ecosystem-based Adaptation in Transboundary Basins and 10th meeting of the Task Force on Water and Climate

CWP-Kyrgyzstan took part in these two events organized by UNECE.

**Date:** 29-30 April – 1 May 2019

**Place:** Geneva, Switzerland

The workshop’s objectives:

- analyze the value, limits and conditions for ecosystem-based adaptation (EbA);
- discuss how EbA can particularly help in transboundary basins, as a low or no regret measure;
- share good practices, experiences and lessons learned with EbA from basins around the world;
- provide the participants with initial tools for EbA through interactive exercises and case studies.

The Task Force on Water and Climate under the Water Convention is responsible for activities related to adaptation to climate change in transboundary basins, including flood and drought management, in accordance with the programme of work for 2019-2021 of the Water Convention. The tenth meeting of the Task Force on Water and Climate aims to discuss, plan and provide guidance to the implementation of these activities under the afore-mentioned programme of work.





#### 4. Improvement sanitation: SDG6 related lessons for public

**Date:** 10-25 April 2019

**Organizer:** CWP-Mongolia and local government

**Participants:** CWP-Mongolia's partners and rural people (more than 1500 people)

At the meeting with Governor of Hentii aimag CWP-Mongolia suggested to increase public awareness on improving sanitation and avoid of soil and water pollution.

Main purpose of the lessons on improvement sanitation was increasing knowledge and awareness of advanced technology about urine and waste recycling and avoid soil and water pollution and save water and use UDDT as well as best way for improvement rural sanitation and develop partnership with Mongolian water partnership.





UDDT and Urine diverted dry toilet



## 5. Meeting on "Songino-Gobi" project on water supply to the South Gobi mining projects

**Place:** at the board room of "Water Construction" LLC's office

**Date:** April 29, 2019

**Participants:** the board members of the Mongolian Watering Association, the CEO of the company, engineers, technicians and specialists (Total: 26 participants).

The focus of the discussion:

The preliminary research report on the "Songino-Gobi" project has been presented by consultant-engineer L.Myagmar, one of the initiator of the project. The meeting was opened by G.Surenjav, Executive Director of Mongolian Watering Association.

The "Songino-Gobi" project aims to re-clean waste water from Central WWTP and to supply mining plants with technological water. The idea of recycling wastewater from the central sewage treatment plant was made in 2004 and planned to be utilized in the Hydroelectric Power Plant. The following Feasibility Study and Technical Projects have been developed by the Water Resource and Hydropower Design Institute of Handan city in China. While the design of the Waste Water Treatment Plant was developed in 2008 by the Shanghai Construction Design Institute.

The central sewage treatment plant purifies 160,000-180,000 m<sup>3</sup> of water per day and supplies to the Tuul River. The Tuul river is one of the most polluted ones. New Central Sewage Treatment Plant is planned to clean up 250,000 m<sup>3</sup> wastewater per day. From that, the 50,000 m<sup>3</sup> has been planned to supply the technology water of TPP-3 and TPP-4. The discharge of the treated water back to the Tuul river is not economically profitable.

Thus, the "Songino-gobi" project preliminary study was conducted and financial calculation was done to provide



excess water to the mining technology in the South Gobi. Wastewater from wastewater treatment plant is classified as clean, very clean or quality I and II by surface water quality pollution index.

525 km pipeline will be built from Ulaanbaatar to Tavan Tolgoi mine. Recycling 150,000 m<sup>3</sup> / day of water out of Central treatment plant is equal to 1736 l / sec. From that amount, it is planned to deliver 1,000L / s of water at first phase.

The 900-1200mm plastic pipes will be built for converting in such amount of water. The pumping station will be located at 2 to 3 stops from the waste water treatment plant in along the pipeline from the Ulaanbaatar to Zost mountain. The water will be transported by own inertia and the hydroelectric stations will be built at 2-3 points along the pipeline. At the end of the pipeline, two pump stations will be built around the Tavan Tolgoi.

The "Songino-Gobi" project was discussed by the Government meeting, and the Working group has been created in the National Development Agency. The Working Group has organized three meetings and has prepared the proposal to the Government discussion.

The project is expected to have the following outcomes:

1. Mining companies operating in the South Gobi region will reduce the use of fresh and non fresh ground water.
2. The pollution of the Tuul river will be decreased and affect positively on the environment by stopping to discharge wastewater from the central sewage treatment plant to the Tuul river.
3. The irrigated agriculture and water supply of livestock can be improved along the pipeline of "Songino-Gobi" project.

In connection with the project discussion, 8 people expressed their opinions. Engineers and technicians participated in the consultation have encouraged the following ideas.

1. To develop feasible study on the Songino Gobi project proposal
2. To compare the feasible studies of Songino Gobi project, Kherlen Gobi project and Orkhon Gobi project.

## 6. Seminar "Scientifically based water and land solutions to improve resilience to climate change in Central Asia"



**Date:** 4 April 2019

**Place:** Tashkent

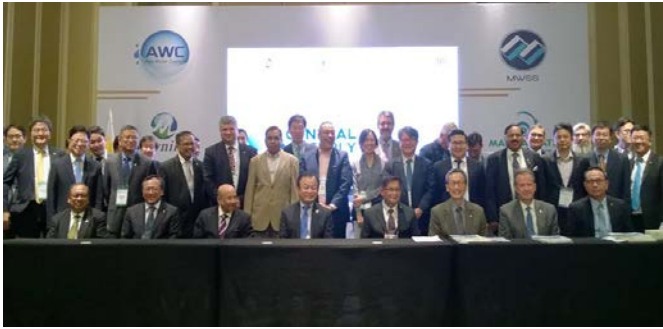
**Organizer:** International Water Management Institute (IWMI)

**Participants:** the key partners of CWP-Uzbekistan like the Ecological Movement, the Tashkent Institute of Irrigation and Agricultural Mechanization, the Karakalpak branch of the Institute of Water Problems, the IFAS Agency, etc.

The developed and implemented IWMI projects were discussed during the seminar. It was noted that strengthening cooperation and mobilizing the necessary scientific and practical resources will be of paramount importance for solving problems related to climate change, improving knowledge and skills for water and land management, as well as developing new ideas and solving regional issues related to climate change.



## 7. AWC 3rd General Assembly of the Asian Water Council



**Date:** 14-15 March 2019

**Place:** Makati City, Philippine

AWC mission is sustainable economic growth in Asia based on highly technological water management.

The results of the three-year work of AWC (2015-2018) were reviewed. The election of a new Board of Directors for 2019-2021 was held. Dr. Vadim

Sokolov, the head of the IFAS Agency and a member of the CACENA Regional Council from Uzbekistan, was elected as one of the 26 members of the Board of the Asian Water Council for 2019-2021.

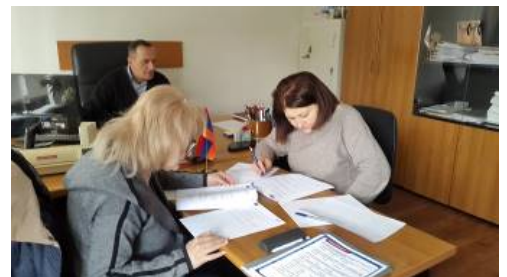
IFAS is the only organization from Central Asia that is an active member of AWC today. Active participation in AWC activities will allow the IFAS Agency to have direct contacts with key partners in Asia, as well as use AWC as one of the platforms for attracting investments to the water management and environmental projects in the Aral Sea area.

## 8. PUBLIC CONSULTATIONS ON SEVAN WATER BASIN AND HRZADAN RIVER BASIN PLANS



In the frames of the EUWI+ project, together with the Ministry of Nature Protection of the Republic of Armenia the development of the Sevan Lake and Hrazdan River basin plans has been started. The plans describe the environmental objectives for the river and the measures to achieve them.

The public consultation meetings gave the opportunity to the participants to give their critically assess on the progress of river basin plans, identify dissensus/ consensus and the main challenges for the respective river basins. This dialogue is very important and the results will be taken in account for



the next steps of the development of the river basin plans in order to define objectives, measures and actions to achieve them.

These stakeholder meetings are part a broader process of public consultation of local state and non-state actors which lasted from 12 March to 12 April, 2019, where different expertise perspectives, opinions and information have been gathered to enrich the development of the river basin plan and its program of measures.



## 9. EARTH DAY 2019



The Earth Day is an annual event celebrated around the world on April 22 to demonstrate support for environmental protection. «Country Water Partnership» scientific, ecological NGO celebrated Earth Day 22.

From April 15 to 22 the works aimed at improving the irrigation system of the Ajapnyak administrative park in Yerevan took place. Then on April 22, in cooperation with the Yerevan Municipality, clean-up and tree planting were held in this park.

These events will support the improvement of the green zone in one of the residential districts of Yerevan. Being beautiful and well-being, with an improved irrigation system, the Park will become a lovely environmental place for the residents.





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The Global Water Partnership's vision is for a water secure world. Our mission is to advance governance and management of water resources for sustainable and equitable development.