

About the activities of the International Water Assessment Center to ensure the safety of dams in Central Asia

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Preventing transboundary water pollution



- Industrial accidents can cause transboundary water pollution
- Even small amounts of hazardous substances can cause severe environmental damage → far-reaching and often transboundary

→ **Cooperation with the UNECE Water Convention* on preventing accidental water pollution**



*UNECE Convention on the Protection and Use of Transboundary Watercourses and International Lakes

UNECE Water Convention

- Adopted in 1992, entered into force in 1996
- Since 1 March 2016, it has opened for the accession of all United Nations Member States
- Objective: to protect and ensure sustainable use of transboundary water resources
- Kazakhstan is chair of the Bureau of the Convention for the period 2019-2021



IWAC Programme of work

IWAC Program of Work for 2019-2021 was adopted at the 8th session of the Meeting of the Parties to the Water Convention in 2018



8th Session of the
**MEETING OF THE PARTIES
TO THE WATER CONVENTION**
10-12 OCTOBER 2018 | ASTANA | KAZAKHSTAN

Implementation period: 2019-2021

Sources of funding: Government of the Republic of Kazakhstan, NATO Science for Peace and Security Program (in cooperation with Slovakia) and other.

IWAC Work Program: Training on the safety of hydraulic structures. Background.

- IWAC Regional Meeting (Almaty, July 12-13, 2018): discussion of the draft IWAC Work Program, including the Training on the safety of hydraulic structures at the expert level

Recommendation: to develop training for different focus groups and specialists of different levels

- Visit of the IWAC Director to Slovakia (Bratislava, December 5-8, 2018): meetings with the company for the construction and maintenance of hydraulic structures in Slovakia Vodohospodarska vystavba (VVB) and the Slovak Hydrometeorological Institute (SHMI)

Discussions on possible ways of cooperation

- The 28th meeting of the Bureau of the Water Convention (Geneva, February 27-28, 2019) and the UNECE Regional Meeting on Cooperation on Dam Safety in Central Asia (Tashkent, May 2-3, 2019)

IWAC offers a training in cooperation with VVB for October-November 2019

VVB Initiative in 2019 for Central Asian countries

Training seminar in Bratislava: October 7-11, 2019

Topic: Exchange of experience in ensuring the safety of hydraulic structures

Purpose: to acquaint the specialists from Central Asia with the experience of Slovakia in the management of hydraulic structures, as well as discuss possible areas of cooperation between Slovakia and Central Asian countries in the field of water resources management and ensuring the safety of hydraulic structures

- **Partners:** VVB and IWAC
- **Financial support:** UNECE and OSCE
- **Target audience:** 23 people (specialists from the countries of Central Asia and neighboring countries, international experts)



VVB Initiative in 2019 for Central Asian countries. Outcomes. ⁷

The participants got acquainted with:

- Slovak legal framework for water resources management and ensuring the safety of hydraulic structures
- the activities of Slovakia in the framework of the International Commission on Large Dams;
- technical and safety monitoring at dams and automation of data collection and assessment;
- technical supervision of tailings;
- special measurements and analyzes at the hydraulic structures, special tests of technological parts of water structures, etc.

Demonstration tour to the Turcek reservoir, Gabchikovo-Nagymarosh dam, Banska Štiavnica.

Continuation: IWAC project in 2020. more advanced topics

VVB Initiative in 2019 for Central Asian countries

Training in Bratislava, 7-11 October 2019



VVB visit to Nur-Sultan and Almaty on October 21-24, 2019.

Meetings in Nur-Sultan:

- with representatives of RSE Kazvodkhoz
- with the Chair of the CWR MEGPR RK
- with IWAC



Visit to the Astana reservoir



VVB visit to Nur-Sultan and Almaty on October 21-24, 2019.

- Meeting with representatives of IFAS ID in the Republic of Kazakhstan
- Memorandum of Understanding between VVB and the International Training Center for the Safety of Hydraulic Structures
- Visit to the HS in Almaty



Training on safety of hydraulic structures. IWAC and VVB cooperation. 2020.

- Expected implementation period: 2020
- Estimated source of funding: NATO Science for Peace and Security Program
- In close collaboration with Slovak partners
- Training will be organized for experts from Central Asian countries
- In collaboration with UNECE



Training on safety of hydraulic structures. IWAC and VVB cooperation. 2020.

Purpose: to assist countries in improving knowledge of the safety of hydraulic structures

Issues to be addressed:

- safety of dams and other hydraulic structures
- legislative framework
- institutional and financial arrangements
- transboundary cooperation



Thank you!



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