

Water for Land Reclamation, Economic Sectors and Natural Environment in the context of Climate Change

International Conference of the Eastern Europe,
Caucasus, and Central Asia
Network of Water Management Organizations

6-7 November 2018, Tashkent, Uzbekistan

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**International Conference of the Eastern Europe, Caucasus,
and Central Asia Network of Water Management Organizations
(EECCA NWO)**

**Water for Land Reclamation, Economic Sectors and Natural Environment
in the context of Climate Change**

5 November (Monday) 2018 – arrival of participants. Accommodation in the hotel Golden Valley

6 November (Tuesday) 2018 9.00 – 18.00. Venue – Hotel Golden Valley

08:30 Registration

PLENARY SESSION

09:00 Official opening

Welcome speeches:

- **Sh.R.Khamraev**, Ministry of Water Resources of Uzbekistan
- **Prof. D.V.Kozlov**, EECCA NWO President
- **Yu.Videnina**, International Network of Basin Organizations
- **B. Hajiyev**, UNECE

Key reporter:

Prof. V.A.Dukhovniy, Outlook of available water resources and food security in the EECCA countries: Aral Sea Basin case-study

**SESSION 1: STRATEGY OF SURVIVAL IN THE FACE OF IMMINENT
WATER SCARCITY**

Moderator: **V.I. Sokolov**

Key reporters:

Prof. S.R. Ibatullin (Kazakhstan), Prospects for the 2040s – what is the scale of water scarcity we can expect?

Presentations of country representatives on key aspects: climate change challenges, increase of water withdrawal (Afghanistan, China, Iran), population growth; changes in economic structure and social needs; how can the region's countries oppose to those challenges?

Prof. N.B. Prokhorova (RosNII VH) Modernization of water sector in Russia – priority for science and technology development?

A.G.Sorokin (SIC ICWC) Future of the Amu Darya Basin in the context of climate change and other global changes

S.E. Aganov (“Tebigi Kuvvat”, Turkmemistan) Impacts of climate change on the water sector and adaptation measures for risk mitigation

A.R. Fazylov (IWP and HE of AS RT, Tajikistan) Importance of reservoirs for multipurpose water regulation and management under strained water budget in the Central Asian region

Discussion

11.00 – 11.30

Coffee-break

SESSION 2: TRANSBOUNDARY WATER COOPERATION: HOW TO ENSURE IRRIGATION, ENERGY AND NATURE NEXUS IN THE CONTEXT OF CLIMATE CHANGE?

Moderator: **Prof. V.A.Dukhovniy**

Key reporters:

Ch.M. Uzakbaev (Kyrgyzstan), Intersectoral and interstate integration – the basis for agreed actions for mutually beneficial water use

D.R. Ziganshina (SIC ICWC) Enhanced scientific cooperation on water and sustainable development

Presentations of country representatives on key aspects: Cooperation tools, joint regulation regimes: energy, irrigation, nature protection; cooperation-based nexus; clear obligations of the parties; public participation; excessive hydropower capacities – base for coordination; involvement of hydropower, hydrometeorological services and aquatic environment sector in activities of IFAS and ICWC

B. Hajiyev (UNECE) Water-Food-Energy-Ecosystem Nexus: implementation of decisions identified for the Syr Darya River Basin and national water policy dialogues in the countries

B. Libert (international expert, Sweden) Assessment of water-food-energy-ecosystem nexus

Prof. D.V.Kozlov (EECCA NWO President, Russia), Issues of transboundary water use in the Irtysh Basin and prospects of hydraulic engineering in the region

Prof.N.K.Kipshakbaev (Kazakhstan) Specific measures for climate change adaptation in the Aral Sea basin

S.A.Dubenok (CRICUWR, Belarus) Experience in transboundary cooperation and basin management in the Republic of Belarus

V.Akhmadjonov (Information-Analytical and Resource Center at the MWM Republic of Uzbekistan) Topical issues related to the legal framework for water cooperation in Central Asia

Sh.G. Talipov (BWO Syrdarya) Ensuring stability and safety of hydraulic structures in Central Asia for climate change mitigation and adaptation

Discussion

13.00-14.00 Lunch

SESSION 3: WATER CONSERVATION AND RATIONAL NATURE USE

Moderator: **Acad. B.M. Kizyayev**

Key reporters:

Prof. Ya.E.Pulatov (IWPH&E of the AS of the RT, Tajikistan), Water conservation and joint actions of countries for efficient water use, regulation of natural resource use as the main tool of cooperation

N.A.Sukhoy (Association of land reclamation and water engineers, Russia) On land improvement in the Russian Federation and issues of water management in this context

Presentations of country representatives on key aspects: revision of water requirements; analysis of losses along main canals and systems; lowering of losses; improvement of water accounting and forecast accuracy; automation of flow metering and regulation; remote sensing in water accounting

Acad. B.M. Kizyayev (VNIIGiM, Russia) Agricultural water supply in the context of water shortage and water pollution problems

Sh.Sh.Mukhamedjanov (SIC ICWC) Water conservation in the Central Asian states: past experience and future targets

K.Murodov (Ministry of Water Resources of Uzbekistan) Achievements of the Republic of Uzbekistan in the field of land reclamation and water management

K.A.Anzelm (Turkestan Hydrogeological and Land Reclamation Expedition, Committee for Water Resources, Ministry of Agriculture, Kazakhstan) Experience in applying water-saving irrigation technologies in the Southern Kazakhstan

B. Askaraliyev (Kyrgyz National Agrarian University) Challenges of water resource management in irrigation systems of Kyrgyzstan

S.Alikhidjaeva (Uzbekistan) New “water-saving” varieties of cotton

N.N.Mirzaev (SIC ICWC) Problems and ways to improve the quality of irrigation services at the local level

V.Yu. Klochko (Design Institute Kazgiprovodkhoz) Involvement of used and newly irrigated lands in agriculture

Discussion

15.30 – 16.00

Coffee-break

SESSION 4: COOPERATION OF REGIONAL ORGANIZATIONS IN THE ARAL SEA BASIN (IFAS-ICWC-ICSD) – SEARCHING FOR ADDITIONAL WATER RESERVES?

Moderator: Prof. S.R. Ibatullin

Key reporters:

A. Redjepov (EC IFAS) Cooperation of EC IFAS with international organizations

Presentations of country representatives on key aspects: use of collector-drainage water, wastewater and return water for irrigation; achieving water-related Sustainable Development Goals; water conservation and sanitary-environmental releases; sustainability of delta ecosystems; adaptation to climate change

V.I. Sokolov (Agency GEF of IFAS, Uzbekistan) Fresh impetus for regional cooperation in the Aral Sea Basin

G.V. Stulina (SIC ICWC) Combatting desertification and conserving natural environment in Prearalie

R.M. Korobov (Eco-Tiras, Moldova) The status of small rivers in Moldova threatens water security in the context of climate change

N. Shakhimardonova (Institute of strategic and regional studies under the President of the Republic of Uzbekistan) Initiatives of the Republic of Uzbekistan for mitigation of the Aral Sea crisis

Discussion

19.00-21.00 Dinner at restaurant “GAP”

7 November (Wednesday) 2018 9.30 – 13.00

SESSION 5: BUILDING CAPACITIES OF WATER-MANAGEMENT, BASIN AND LAND RECLAMATION ORGANIZATIONS

Moderator: ...

Key reporters:

Yu.Kh. Rysbekov (SIC ICWC) Unlocking scientific and technological capacities of water-management and land reclamation organizations as a big source of untapped water and land reserves

Presentations of country representatives on key aspects: professional development; improvement of information exchange; knowledge base; advisory service; water diplomacy, etc.

Yu.Videnina (INBO, France) EUWI+East Project: operational tasks in river basins, activities of basin committees and stakeholder participation

V.I. Sokolov (Agency GEF of IFAS, Uzbekistan) Economic and mathematical tool WHAT-IF developed by the World Bank to build and analyze different scenarios for the Aral Sea basin development: prospects for its application in our work

Sh.Zaitov (SIC ICWC) Capacities of basin organizations (BWO Amudarya and BWO Syrdarya) for development of a single modernized online information system for efficient and transparent operational activity

Sh.Kenjabaev (SIC ICWC) Improved data and information exchange between key organizations to develop capacity of land reclamation expeditions

Discussion

11.00 – 11.30	Coffee-break
11.30 – 13.00	Wrap-up and approval of resolution
13.00-14.00	Lunch
14.30-16.00	Meeting of the Initiative group of the Central Asian expert club (think-tank) on water security, sustainable development and regional integration