



SECTION 13

Publications in 2024





# ORGANIZATIONS OF THE IFAS

## SIC ICWC

**Proceedings of SIC ICWC** (*in Russian*), [http://cawater-info.net/library/sic-icwc\\_proceedings\\_2.htm](http://cawater-info.net/library/sic-icwc_proceedings_2.htm):

**No. 24.** Yarullina Z.R. Environmental flow in national legislation and practices of Uzbekistan and how to improve it

**No.25.** Rakhimova M.N. Studying the current hydrological and hydrochemical regime of the Amu Darya River

**No.26.** Sichugova L., Ruziev I., Sorokin A. MODSNOW-based flow forecasts of the Zarafshan, Vaksh, and Naryn rivers for the growing season

**No.27.** Dolidudko A. Estimation of mean velocity in open irrigation canals against the surface velocity

**No.28.** Stulina G.V., Yarullina Z.R. Natural environment of the Sudoche-Akpetki sanctuary

**SIC ICWC Policy Briefs**, <http://cawater-info.net/library/sic-icwc-policy-briefs.htm>:

**Issue 6.** Dolidudko A., Masumov R. Innovative Tools for Automated Water Metering in Uzbekistan

**Issue 7.** Ergashev I. Monitoring of Inflow to the Aidar-Arnasay Lake System from the Shardara Reservoir between 1990-2023

**Popular Science Series** (*in Russian*), <http://cawater-info.net/library/inform4.htm>:

**Water security: around the world. Parts 3 and 4**

**How the world is tackling with water challenges**

**Water security and challenges to water management: global perspective**

**Water crisis, conflicts and cooperation all over the world**

**Innovations in energy: around the world. Parts 1-6**

**Climate change: review 2023-2024 first half**

**Climate change: scientific forecasts and adaptation**

**Climate change: expert opinions**

**Climate change in 2024**

**ICWC Bulletins**, <http://cawater-info.net/library/icwc11.htm>:

**Issues 100-105** (*Russian and English*)

**Legal Collections of SIC ICWC** (*in Russian*), <http://cawater-info.net/library/legal3.htm>:

**No.59** "Concept for the Development of the Water Resources Management System of the Republic of Kazakhstan for 2024-2030"

**No.60** "Regulations Governing the Water and Agricultural Sectors of the Kyrgyz Republic, December 2023-March 2024"

**No.61** "Regulations Governing the Water Sector and International Cooperation between the Countries of Central Asia, January-May 2024"

**No.62** "Departmental Regulations of the Ministry of Water Resources and Irrigation of Kazakhstan, July-August 2024"

**No.63** "Comprehensive Water Sector Development Plan until 2028 and the Concept for the Development of the Water Resources Management System of the Republic of Kazakhstan for 2024-2030"

### **Publications on the occasion of the 90th Anniversary of Prof. Viktor Dukhovniy** *(in Russian)*

"...I served both people and water...". Collection of Memories for the 90th anniversary of Professor Viktor Dukhovniy, <http://cawater-info.net/library/rus//dukhobny-90anniversary.pdf>

"**Water in Central Asia: the Future in Cooperation**". Proceedings of the Scientific-Practical Conference dedicated to anniversaries of Prof. Viktor Dukhovniy (posthumously), Mr. Nariman Kipshakbaev, and Mr. Rim Giniyatullin (8 November 2024), [http://cawater-info.net/library/rus/conference\\_proceedings\\_11\\_2024.pdf](http://cawater-info.net/library/rus/conference_proceedings_11_2024.pdf)

### **Publications dedicated to international cooperation** *(in Russian)*

**10th World Water Forum "Water for Shared Prosperity"** (18-25 May 2024, Bali, Indonesia), <http://cawater-info.net/library/rus/10wwf-ru.pdf>

### **External Publications by SIC's staff**

Chembarisov E., Rakhimova M. "**Syr Darya River: hydrology and hydroecology**". Monograph, <http://cawater-info.net/library/rus/chembarisov-rahimova-syrdarya.pdf> *(in Russian)*

**Results of the final expedition on the dried bed of the Aral Sea.** Executive Summary. UNDP Uzbekistan, <http://cawater-info.net/library/rus/expedition-aral-2024-ru.pdf>

## **UN AGENCIES**

### **WMO**

**2024 State of Climate Services. Five-year Progress Report (2019-2024)**, <https://library.wmo.int/records/item/69061->

**The Global Climate 2011-2020. A decade of accelerating climate change**, <https://library.wmo.int/records/item/68585->

**State of the Climate 2024. Update for COP29**, <https://library.wmo.int/records/item/69075-state-of-the-climate-2024?offset=5>

**State of Global Water Resources report 2023**, <https://library.wmo.int/records/item/69033-state-of-global-water-resources-report-2023?offset=10>

**State of the Global Climate 2023**, <https://library.wmo.int/records/item/68835-state-of-the-global-climate-2023?offset=28>

**State of the Climate in Asia 2023**, <https://library.wmo.int/records/item/68890-state-of-the-climate-in-asia-2023?offset=24>

**Hydromet Gap Report 2024. Alliance for Hydromet Development**, <https://library.wmo.int/records/item/68926-hydromet-gap-report-2024?offset=21>

**WMO Strategic Plan 2024-2027**, <https://library.wmo.int/records/item/68578->

## UNECE

**Progress on Transboundary Water Cooperation under the Water Convention: Third report on implementation of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes (2020-2023)**, <https://unece.org/info/publications/pub/397865>

**The Equitable Access Score-card 2.0 Shaping water and sanitation policies to achieve the human rights to water and sanitation**, <https://unece.org/info/publications/pub/397653>

**Progress on Transboundary Water Cooperation: Mid-term status of SDG Indicator 6.5.2, with a special focus on Climate Change – 2024**, <https://unece.org/info/publications/pub/395013>

**Good Practices and Lessons Learned in Data-sharing in Transboundary Basins**, <https://unece.org/info/publications/pub/395493>

**3rd Environmental Performance Review of Kyrgyzstan**, <https://unece.org/info/publications/pub/390916>

## UN-Water

**UN-Water Analytical Brief on Water for Climate Mitigation**, <https://www.unwater.org/publications/un-water-analytical-brief-water-climate-mitigation>

**WHO/UNICEF Joint Monitoring Program for Water Supply, Sanitation and Hygiene (JMP) – WASH in health care facilities 2023 data update: Special focus on primary health care**, <https://www.unwater.org/publications/who/unicef-joint-monitoring-program-water-supply-sanitation-and-hygiene-jmp-wash>

**Progress on Level of Water Stress-2024 Update**, <https://www.unwater.org/publications/progress-level-water-stress-2024-update>

**Progress on Change in Water-Use Efficiency-2024 Update**, <https://www.unwater.org/publications/progress-change-water-use-efficiency-2024-update>

**Progress on Transboundary Water Cooperation-2024 Update**, <https://www.unwater.org/publications/progress-transboundary-water-cooperation-2024-update>

**Progress on Water-related Ecosystems-2024 Update**, <https://www.unwater.org/publications/progress-water-related-ecosystems-2024-update>

**Progress on Implementation of Integrated Water Resources Management-2024 Update**, <https://www.unwater.org/publications/progress-implementation-integrated-water-resources-management-2024-update>

**Progress on Ambient Water Quality-2024 Update**, <https://www.unwater.org/publications/progress-ambient-water-quality-2024-update>

**Progress on Wastewater Treatment-2024 Update**, <https://www.unwater.org/publications/progress-wastewater-treatment-2024-update>

**Progress on drinking water, sanitation and hygiene in schools 2000-2023: special focus on menstrual health**, <https://www.unwater.org/publications/progress-drinking-water-sanitation-and-hygiene-schools-2000-2023-special-focus>

**Summary Brief: Mid-term status of SDG 6 global indicators and acceleration needs**, <https://www.unwater.org/publications/summary-brief-mid-term-status-sdg-6-global-indicators-and-acceleration-needs>

**Domestic Wastewater Treatment Methodology 2024,**

<https://www.unwater.org/publications/domestic-wastewater-treatment-methodology-2024>

**UN World Water Development Report 2024. Water for Prosperity and Peace,**

<https://www.unwater.org/publications/un-world-water-development-report-2024>

**United Nations System-wide Strategy for Water and Sanitation, Highlights by UN-Water,**

<https://www.unwater.org/publications/united-nations-system-wide-strategy-water-and-sanitation-highlights-un-water>

**United Nations System-wide Strategy for Water and Sanitation,**

<https://www.unwater.org/publications/united-nations-system-wide-strategy-water-and-sanitation>

## FAO

**The State of Food Security and Nutrition in the World 2024,**

<https://openknowledge.fao.org/server/api/core/bitstreams/c17f01bc-97ad-4c0e-ab32-b885e4aa84a9/content>

**The State of Food and Agriculture 2023,** <https://openknowledge.fao.org/items/1516eb79-8b43-400e-b3cb-130fd70853b0>

**The Impact of Disasters on Agriculture and Food Security 2023,**

<https://openknowledge.fao.org/items/cd76116f-0269-43e4-8146-d912329f411c>

**Agrifood solutions to climate change,**

<https://openknowledge.fao.org/items/bab32e71-690d-4c07-ab9a-37f1703a9f59>

**The unjust climate. Measuring the impacts of climate change on rural poor, women and youth,**

<https://openknowledge.fao.org/items/2f1c3139-f85f-415c-8985-b13cc109861a>

**The State of the World's Land and Water Resources for Food and Agriculture 2021 – Systems at breaking point,** <https://openknowledge.fao.org/items/ff3cfcc4-e895-4df0-a925-c8ce240004ab>

**The future of food and agriculture – Drivers and triggers for transformation,**

<https://openknowledge.fao.org/items/66ca787f4-af91-4f6e-b436-560010ab72d4>

**OECD-FAO Agricultural Outlook 2024-2033,**

<https://openknowledge.fao.org/items/91c62ae8-b070-4ea8-8281-592376520b03>

**World Food and Agriculture – Statistical Yearbook 2023,**

<https://openknowledge.fao.org/items/5c272dc7-e1b8-486a-b323-6babb174eee0>

**Handbook on establishing and operating multi-actors agricultural innovation platforms,**

<https://openknowledge.fao.org/items/ee859e1a-56eb-4369-a2b9-b45283c9637a>

**Sand and dust storms. A guide to mitigation, adaptation, policy and risk management measures in agriculture,** <https://openknowledge.fao.org/items/30b37660-c266-46d4-af10-7b3001f350d6>

**Consumption-based water management. State of the art in Asia,**

<https://openknowledge.fao.org/items/c6322fb8-3b43-4dba-9526-f672f4442a53>

**Water quality in agriculture: Risks and risk mitigation,**

<https://openknowledge.fao.org/items/efc4aeb7-9b7d-44c4-b158-9a41527b8586>

**Mapping System and Services for Pressurized irrigation systems – MASSPRES,**

<https://openknowledge.fao.org/items/442dda44-f56f-43d0-914c-4a523eb0b882>

**Water auditing/water governance analysis. Governance and policy support: Methodological framework**, <https://openknowledge.fao.org/items/cda540c4-3c4b-45dd-929c-d3420e6f040b>

**Water stress plugin for Water Evaluation and Planning system (WEAP). Using the water evaluation and planning tool for the calculation of Sustainable Development Goal indicator 6.4.2**, <https://openknowledge.fao.org/items/68b560ca-d052-42aa-b8f2-514b5b419376>

**UNDP-FAO Climate Action Review Tool**, <https://openknowledge.fao.org/items/cbfbeb5d-490f-418d-97a1-9a660fab8a76>

## UNU Institute for Water, Environment and Health

**Economics of drought: Investing in nature-based solutions for drought resilience – proaction pays**, <https://unu.edu/inweh/collection/economics-drought-investing-nature-based-solutions-drought-resilience-proaction>

**Harnessing the Power of AI for Climate Change Impact Assessment**, <https://unu.edu/inweh/collection/harnessing-power-ai-climate-change-impact-assessment>

## Zoi Environment Network

**Challenges and opportunities for transboundary biodiversity monitoring and conservation in Central Asian regions bordering Afghanistan**, <https://zoinet.org/product/osce-biodiv/>

**Mountains of Central Asia. Contributions of civil society organizations to nature conservation and sustainable development**, <https://zoinet.org/product/cepf-summary/>

**The Effects of the Crisis in Afghanistan on Central Asia's Energy Sector: A Risk Assessment**, <https://zoinet.org/product/osce-afg-energy-security/>

**Water: turning the risk of conflict into an opportunity for cooperation and peace**, <https://zoinet.org/product/reseau-brief-6/>

## World Bank

**2030 Water Resources Group Offering: Advancing Global Water Security through Public-Private Collaboration**, <https://openknowledge.worldbank.org/entities/publication/e260f1f4-828b-406f-9abe-31251c7598b2>

**Climate Change Framework Legislation: A Growing Trend**, <https://openknowledge.worldbank.org/entities/publication/6f7d27d6-db3c-4b50-ac91-b583402e32b5>

**Water Security and Climate Change: Insights from Country Climate and Development Reports**, <https://openknowledge.worldbank.org/entities/publication/30dbd513-0dc5-47d3-9049-8f6e4f789ed4>

**Accounting for Water Quality – Insights for Operational Task Teams**, <https://openknowledge.worldbank.org/entities/publication/b966acc7-c1de-48ee-979a-242b26362ff3>

**A Blueprint for Resilience: Charting Course for Water Security in Europe and Central Asia**, <https://www.worldbank.org/en/topic/water/publication/a-blueprint-for-resilience-charting-course-for-water-security-in-europe-and-central-asia>

## OECD

### **Environment at a Glance Indicators,**

[https://www.oecd.org/en/publications/environment-at-a-glance-indicators\\_ac4b8b89-en.html](https://www.oecd.org/en/publications/environment-at-a-glance-indicators_ac4b8b89-en.html)

### **Measuring Progress in Adapting to a Changing Climate,**

[https://www.oecd.org/en/publications/measuring-progress-in-adapting-to-a-changing-climate\\_8cfe45af-en.html](https://www.oecd.org/en/publications/measuring-progress-in-adapting-to-a-changing-climate_8cfe45af-en.html)

### **Working Together for Better Climate Action,**

[https://www.oecd.org/en/publications/working-together-for-better-climate-action\\_2b90fa2c-en.html](https://www.oecd.org/en/publications/working-together-for-better-climate-action_2b90fa2c-en.html)

### **Climate Finance Provided and Mobilised by Developed Countries in 2013-2022,**

[https://www.oecd.org/en/publications/climate-finance-provided-and-mobilised-by-developed-countries-in-2013-2022\\_19150727-en.html](https://www.oecd.org/en/publications/climate-finance-provided-and-mobilised-by-developed-countries-in-2013-2022_19150727-en.html)

### **Environmental Justice. Context, Challenges and National Approaches,**

[https://www.oecd.org/en/publications/environmental-justice\\_57616eb4-en.html](https://www.oecd.org/en/publications/environmental-justice_57616eb4-en.html)

### **Climate Adaptation Investment Framework,**

[https://www.oecd.org/en/publications/climate-adaptation-investment-framework\\_8686fc27-en.html](https://www.oecd.org/en/publications/climate-adaptation-investment-framework_8686fc27-en.html)

## CAREC Program

### **Prospects for Inclusive Green Growth and Sustainability in the CAREC Region,**

<https://www.carecinstitute.org/publications/prospects-for-inclusive-green-growth-and-sustainability-in-the-carec-region/>

### **Comprehensive Study on Energy Governance in Central Asia,**

<https://www.carecinstitute.org/publications/carec-institute-unveils-comprehensive-study-on-energy-governance-in-central-asia/>

### **Water Sector Financing Improvement Action Plan for Efficient Water Sector Financing,**

<https://www.carecinstitute.org/publications/water-sector-financing-improvement-action-plan-for-efficient-water-sector-financing/>

### **Water sector financial governance gap analysis in Central Asia,**

<https://www.carecinstitute.org/publications/new-publication-reveals-insights-into-water-sector-financial-governance-in-central-asia/>

### **Investment Gap Analysis of Central Asia's Water, Agriculture, and Energy Sectors,**

<https://www.carecinstitute.org/publications/investment-gap-analysis-report-reveals-critical-insights-into-central-asias-water-agriculture-and-energy-sectors/>

### **Implications of Climate Inaction across the Water-Agriculture-Energy Nexus and Potential Benefits of Improved Intersectoral and Regional Cooperation,**

<https://www.carecinstitute.org/publications/carec-institutes-new-report-highlights-urgency-of-addressing-climate-inaction-in-central-asia/>

## Policy Briefs

### **Water Financing in Central Asia: Challenges and Opportunities,**

<https://www.carecinstitute.org/publications/new-policy-brief-on-water-financing-in-central-asia-challenges-and-opportunities/>

### **Adapting Resilient Water Management Practices to Climate Change in Central Asia,**

<https://www.carecinstitute.org/publications/new-policy-brief-on-adapting-resilient-water-management-practices-to-climate-change-in-central-asia/>

### **Development of Public-Private Partnerships for Financing Water Infrastructure in Central Asia,**

<https://www.carecinstitute.org/publications/new-policy-brief-on-development-of-public-private-partnerships-for-financing-water-infrastructure-in-central-asia/>



**Financing Mechanisms for Water Management in Central Asia,**

<https://www.carecinstitute.org/publications/new-policy-brief-on-financing-mechanisms-for-water-management-in-central-asia/>

**Impact of Climate Change on Water Resources in Central Asia,**

<https://www.carecinstitute.org/publications/new-policy-brief-on-impact-of-climate-change-on-water-resources-in-central-asia/>

**Improving Water Governance for Sustainable Infrastructure Development in Central Asia,**

<https://www.carecinstitute.org/publications/new-policy-brief-on-improving-water-governance-for-sustainable-infrastructure-development-in-central-asia/>

**Role of Water Pricing in Improving Water Use Efficiency in Central Asia,**

<https://www.carecinstitute.org/publications/new-policy-brief-on-the-role-of-water-pricing-in-improving-water-use-efficiency-in-central-asia/>

**Regional Cooperation to Address Water Security Challenges in Central Asia,**

<https://www.carecinstitute.org/publications/new-policy-brief-on-regional-cooperation-to-address-water-security-challenges-in-central-asia/>

## International Hydropower Association

**2024 World Hydropower Outlook,**

<https://www.hydropower.org/publications/2024-world-hydropower-outlook>

**Enabling new pumped storage hydropower: A guidance note for key decision makers to de-risk pumped storage investments,**

<https://www.hydropower.org/publications/enabling-new-pumped-storage-hydropower>

## Eurasian Development Bank

**Drinking water supply and sanitation in Central Asia,**

<https://eabr.org/analytics/special-reports/pitevoe-vodosnabzhenie-i-vodootvedenie-v-centralnoj-azii/>

**Infrastructure in Eurasia: short-term and medium-term trends,**

<https://eabr.org/analytics/special-reports/infrastruktura-evrazii-kratkosrochnye-i-srednesrochnye-trendy/>

## ICID

**Irrigation and Drainage for Food Security in Asia,**

[https://icid-ciid.org/icid\\_data\\_web/asrwg\\_epubsydney2024.pdf](https://icid-ciid.org/icid_data_web/asrwg_epubsydney2024.pdf)

**Proceedings of the International Workshop on Water-Energy-Food Nexus,**

[https://icid-ciid.org/icid\\_data\\_web/wfen\\_proc\\_sydney2024.pdf](https://icid-ciid.org/icid_data_web/wfen_proc_sydney2024.pdf)

