



# Section 13

Publications in 2020

<p>ТРАНСГРАНИЧНИЙ СУВ ОКИМЛАРИ ВА ХАЛҚАРО ҚУЛЛАРИ МУХОФАЗА ҚИЛИШ ВА УЛАРДАН ФОЙДАЛАНИШ ТУҒРИСИДА КОНВЕНЦИЯ</p> <p>ХАЛҚАРО СУВ ОКИМЛАРИДАН КЕМА КАТНОВИДАН ТАШҚАРИ ТУРЛАРИДА ФОЙДАЛАНИШ ХУҚУҚИ ТУҒРИСИДА КОНВЕНЦИЯ</p> <p>НИЦ МКВК Ташкент 2020</p>	<p>Совершенствование орошаемого земледелия: мировой опыт</p> <p>НИЦ МКВК Ташкент 2020</p>	<p>Совершенствование орошаемого земледелия: мировой опыт</p> <p>НИЦ МКВК Ташкент 2020</p> <p>2</p>	<p>Афганистан в 2020 году: COVID-19, изменение климата и вопросы развития</p> <p>НИЦ МКВК Ташкент 2020</p>	<p>CAWA UNIVERSITÄT WÜRZBURG GREDSPIN</p> <p>Инструмент мониторинга эффективности водопользования в Центральной Азии</p> <p>WUEMoCA</p>
<p>Межбассейновая переброска стока рек: реализованные и нереализованные проекты.</p> <p>НИЦ МКВК Ташкент 2020</p>	<p>Изменение климата: некоторые аспекты проблемы</p> <p>НИЦ МКВК Ташкент 2020</p>	<p>Изменение климата: некоторые аспекты проблемы Часть 2</p> <p>НИЦ МКВК Ташкент 2020</p>	<p>Платное водопользование: перспективы внедрения в Центральной Азии</p> <p>НИЦ МКВК Ташкент 2020</p>	<p>Аральское море и Приаралье: жизнь продолжается</p> <p>НИЦ МКВК Ташкент 2020</p>
<p>Султана Г.В., Солодкий Г.Ф.</p> <p>Использование усовершенствованной методики ФАО для оценки водопотребления сельскохозяйственных культур в процессе орошения в Центральной Азии</p> <p>НИЦ МКВК Ташкент 2020</p>	<p>National Committee on Irrigation and Drainage (NSCID) Ministry of Water Resources of the Republic of Uzbekistan</p> <p>IRRIGATION AND DRAINAGE IN REPUBLIC OF UZBEKISTAN HISTORY AND MODERN STATE</p> <p>Towards the 70th anniversary of the International Commission on Irrigation and Drainage Tashkent 2020</p>	<p>ПОДДЕРЖКА ГЛОБАЛЬНЫМ ПАРТНЕРСТВОМ ВОДОХОЗЯЙСТВЕННЫХ ИНИЦИАТИВ КЛЮЧЕВЫХ ПАРТНЕРОВ В УЗБЕКИСТАНЕ</p> <p>2020</p>	<p>Global Water Partnership Агентство МВКА</p> <p>АНАЛИТИЧЕСКИЙ ОБЗОР Степень достижения показателя ЦУР 6.5.1 - внедрение интегрированного управления водными ресурсами в Республике Узбекистан на уровне 2020 года</p> <p>Валян СОВКЕЛОВ Руководитель Агентства по развитию агропродовольствия Международный филиал системы Арал в Узбекистане Мансур АҚДУРМОНОВ Координатор Национального водного партнерства Республика Узбекистан</p>	<p>ЦЕННЫЕ ВЕЩАМИ ВОДОЕ</p> <p>Дорога, одна сторона которой вымощена асфальтом, а другая - водой, которая вымывает и загрязняет окружающую среду. Чистую воду можно использовать для приготовления пищи, стирки, мытья посуды и других нужд. В Узбекистане мы стремимся к тому, чтобы каждая капля воды была использована с пользой.</p> <p>UN Water Action</p>
<p>USAID</p> <p>WATER SECTOR DEVELOPMENT IN CENTRAL ASIA AND AFGHANISTAN: STATUS REVIEW AND DEVELOPMENT OPTIONS</p> <p>Annex 1 / 2020</p>	<p>Green Finance and Investment</p> <p>Sustainable Infrastructure for Low-Carbon Development in Central Asia and the Caucasus</p> <p>HOTSPOT ANALYSIS AND NEEDS ASSESSMENT</p> <p>OECD</p>	<p>UNEP Overview of the State of Forests and Forest Management in Uzbekistan Обзор состояния лесов и управления лесами в Узбекистане</p> <p>UNEP NATIOS</p>	<p>UNEP Uzbekistan Environmental Performance Reviews Third Review</p> <p>UNEP NATIOS</p>	<p>UNEP Towards achieving the Sustainable Development Goals in the UNECE region A statistical portrait of progress and challenges</p> <p>UNEP NATIOS</p>
<p>UN-Water 2030 Strategy</p> <p>United Nations   UN WATER</p>	<p>UN WATER The United Nations World Water Development Report 2020</p> <p>WATER AND CLIMATE CHANGE</p> <p>WWDR 2020</p> <p>ASIAN DEVELOPMENT BANK</p>	<p>ASIAN WATER DEVELOPMENT OUTLOOK 2020 ADVANCING WATER SECURITY ACROSS ASIA AND THE PACIFIC DECEMBER 2020</p> <p>ADB</p>	<p>CLIMATE VULNERABILITY, INFRASTRUCTURE, FINANCE AND GOVERNANCE IN CAREC REGION RESEARCH REPORT MAY 2020</p> <p>CAREC INSTITUTE</p>	<p>2020</p> <p>THE STATE OF FOOD SECURITY AND NUTRITION IN THE WORLD TRANSFORMING FOOD SYSTEMS FOR AFFORDABLE HEALTHY DIETS</p> <p>FAO</p>

## SIC ICWC

**“Proceedings of SIC ICWC”** (in Russian). URL: [http://cawater-info.net/library/sic-icwc\\_proceedings\\_2.htm](http://cawater-info.net/library/sic-icwc_proceedings_2.htm). The 2020 series features:

**Issue 5.** Yu.Kh. Rysbekov, A.Yu. Rysbekov – Strengthening Water Cooperation between Regional and National Organizations in Central Asia

**Issue 6.** Institutional Aspects of Water Resources Management in the Central Asian States  
N.N. Mirzaev – Legal and Institutional Aspects of Water Resources Management in the Central Asian States  
S.R. Ibatullin – Changes in the Organizational Structure of Water Governance, Management and Use in the Republic of Kazakhstan

**Issue 7.** V.I. Sokolov – Principles of Integrated Water Management in the Aral Sea Region based on the Zero Land Degradation Concept

**Issue 8.** V.A. Dukhovniy, N.N. Mirzaev – Establishment and Functioning of National Water Governance Structures: Theory and Practice

**Issue 9.** N.N. Mirzaev – The Water Charging System in Central Asia and Abroad

**Issue 10.** N.N. Mirzaev – Universal Method for Calculating Fees for Irrigation Services of Water User Associations and Water Management Organizations

**Collection of SIC ICWC Scientific Papers, Issue 17.** 2019-2020.

URL: [http://cawater-info.net/library/rus/sb\\_tr\\_17.pdf](http://cawater-info.net/library/rus/sb_tr_17.pdf)

Water Use Efficiency Monitor in Central Asia (WUEMoCA) (in Russian). Collection of articles introducing a web-mapping tool for monitoring of land and water use efficiency in the Aral Sea Basin and the prospects for its application. URL: <http://cawater-info.net/library/rus/wuemoca-2020-ru.pdf>

**Climate Change: Some Aspects (Parts 1 and 2)** (in Russian). Collections of scientific and popular articles.

URL: <http://cawater-info.net/library/rus/clim-ch-2020-ru.pdf>;

<http://cawater-info.net/library/rus/clim-ch-2020-2-ru.pdf>

**G.V. Stulina, G.F. Solodkiy. Application of the Advanced FAO Methodology for Irrigated Crop Water Requirements Assessment in Central Asia** (in Russian). URL: <http://cawater-info.net/library/rus/stulina-solodky-2020.pdf>

**Aral Sea and the Aral Region.** Review of work undertaken by SIC ICWC on monitoring and analysis of socio-economic and environmental situation in the period from 1994 to 2018 (second edition, revised and supplemented by the data for the last 4 years).

URL: <http://cawater-info.net/library/eng/aral-sic-icwc-2020-e.pdf>

**Aral Sea and the Aral Region: Life Goes On** (in Russian). Compiled from media reports.

URL: [http://cawater-info.net/library/rus/aral\\_sea-2020.pdf](http://cawater-info.net/library/rus/aral_sea-2020.pdf)

**Inter-basin Flow Transfer: Implemented Projects and Those Untapped** (in Russian). URL: <http://cawater-info.net/library/rus/inter-basin-river-flow-transfer-2020.pdf>

**E.Simonov. Hydropower in Russia. An Epilogue** (in Russian).

URL: <http://cawaterinfo.net/library/rus/inf/54.pdf>

**Afghanistan in 2020: COVID-19, Climate Change and Development Issues** (in Russian). 2019-2020

Digest. URL: [http://cawater-info.net/library/rus/afghanistan\\_2020.pdf](http://cawater-info.net/library/rus/afghanistan_2020.pdf)

**Water Pricing: Prospects for Implementation in Central Asia** (in Russian).

URL: <http://cawater-info.net/library/rus/paid-water-use-2020.pdf>



## Series of publications highlighting foreign and regional experience in improving irrigated agriculture *(in Russian)*.

**Water Use and Irrigated Agriculture: Global Experience.**  
<http://cawater-info.net/library/rus/agro-2020-ru.pdf>

**Improved Irrigated Agriculture: Global Experience.**  
<http://cawater-info.net/library/rus/agro-2020-2-ru.pdf>

**Improved Irrigated Agriculture: Global Experience. Volume 2**  
<http://cawater-info.net/library/rus/agro-2020-3-ru.pdf>

**1992 and 1997 UN Water Conventions** *(in Uzbek)*. Translated texts of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes (1992) and the Convention on the Law of Non-Navigational Uses of International Watercourses (1997). URL: <http://cawater-info.net/library/rus/un-water-conventions-uz.pdf>

## GEF Agency of IFAS

**Irrigation and Drainage in the Republic of Uzbekistan. History and Modern State.** Towards the 70th anniversary of the International Commission on Irrigation & Drainage (ICID). URL: [https://icid-ciid.org/icid\\_data\\_web/UzNCID\\_book\\_web\\_en.pdf](https://icid-ciid.org/icid_data_web/UzNCID_book_web_en.pdf)

**Global Water Partnership's Support for Water Management Initiatives of Key Partners in Uzbekistan** *(in Russian)*. URL: [https://aral.uz/doc/GWP\\_CWP\\_Uz\\_2020.pdf](https://aral.uz/doc/GWP_CWP_Uz_2020.pdf)

**SDG indicator 6.5.1 "Degree of Implementation of Integrated Water Resources Management in Uzbekistan in 2020"** *(in Russian)*. Analytical review.  
URL: [https://aral.uz/doc/AN\\_ru.pdf](https://aral.uz/doc/AN_ru.pdf)

## VNIIGiM named after A.N. Kostyakov

**Modern Problems of Land Reclamation and Ways to Overcome Them: Collection of scientific papers in two volumes** *(in Russian)*. Main results of research efforts made by VNIIGiM in 2019.  
URL: [http://www.vniigim.ru/download/library/2020/vniigim2020\\_vol1.pdf](http://www.vniigim.ru/download/library/2020/vniigim2020_vol1.pdf);  
[http://www.vniigim.ru/download/library/2020/vniigim2020\\_vol2.pdf](http://www.vniigim.ru/download/library/2020/vniigim2020_vol2.pdf)

## Regional Environmental Center for Central Asia

**Water's Way** *(in Russian)*. Illustrated book.  
URL: <https://drive.google.com/file/d/1VBDIH5MOTSb61ORqjYDEXIcJzbBRI1L4/view>

**Precious Knowledge on Priceless Water** *(in Russian)*. Illustrated book for children.  
URL: [https://drive.google.com/file/d/1-NugivuX9E-0iUID\\_1fDf9meKy0Qpu0S/view](https://drive.google.com/file/d/1-NugivuX9E-0iUID_1fDf9meKy0Qpu0S/view)

**Water Sector Development in Central Asia and Afghanistan: Status Review and Development Options.** URL: [https://carececo.org/upload/iblock/6cb/Water%20Sector%20Development%20in%20Central%20Asia%20and%20Afghanistan\\_compressed.pdf](https://carececo.org/upload/iblock/6cb/Water%20Sector%20Development%20in%20Central%20Asia%20and%20Afghanistan_compressed.pdf)

**Rapid Assessment of Wetlands in Turkmenistan, Uzbekistan and Kazakhstan** *(in Russian)*. Results of rapid assessment of wetlands in Turkmenistan (Turkmenbashi Bay, Soltandag Lake), Uzbekistan (Dengiz Kul Lake) and Kazakhstan (delta of the Ural River, Karakol Lake, Kenderly Bay, in the area of the Tengiz field). URL: [https://carececo.org/publications/Экспресс-оценка\\_потенциальных\\_Рамсарских\\_ВБУ\\_в\\_Туркменистане.pdf](https://carececo.org/publications/Экспресс-оценка_потенциальных_Рамсарских_ВБУ_в_Туркменистане.pdf);  
[https://carececo.org/publications/Экспресс-оценка\\_потенциальных\\_Рамсарских\\_ВБУ\\_в%20Узбекистане.pdf](https://carececo.org/publications/Экспресс-оценка_потенциальных_Рамсарских_ВБУ_в%20Узбекистане.pdf);  
[https://carececo.org/publications/Экспресс-оценка\\_потенциальных\\_Рамсарских\\_ВБУ\\_в\\_Казахстане.pdf](https://carececo.org/publications/Экспресс-оценка_потенциальных_Рамсарских_ВБУ_в_Казахстане.pdf)

## Zoi Environment Network

**Central Asia climate information products 2020: Women, food and climate change in Central Asia; Climate change in Central Asia.** Illustrated summary; Climate change in Tajikistan and Uzbekistan. Illustrated summaries; Illustrated Russian-Tajik glossary on hydrometeorology and climate change.  
URL: <https://zoinet.org/product/ca-climate-2020/>

## OECD

**Sustainable Infrastructure for Low-Carbon Development in Central Asia and the Caucasus: Hotspot Analysis and Needs Assessment.** URL: [https://www.oecd-ilibrary.org/environment/sustainable-infrastructure-for-low-carbon-development-in-central-asia-and-the-caucasus\\_d1aa6ae9-en](https://www.oecd-ilibrary.org/environment/sustainable-infrastructure-for-low-carbon-development-in-central-asia-and-the-caucasus_d1aa6ae9-en)

## UN Economic Commission for Europe

**Third Environmental Performance Review of Uzbekistan.** The report examines the progress made by the country in the management of its environment since it was reviewed for the second time in 2009-2010.  
URL: <https://uzbekistan.un.org/index.php/en/96936-3rd-environmental-performance-review-uzbekistan>

**Frequently Asked Questions on the 1992 Water Convention.**

URL: <https://unece.org/environment-policy/publications/frequently-asked-questions-1992-water-convention>

**Overview of the State of Forests and Forest Management.** UNECE/FAO. The overview describes policies and institutions of forest sector in the Caucasus and Central Asia and major challenges the sector faces as well as policy responses in place or planned.

**Armenia** – <https://unece.org/forests/publications/overview-state-forests-and-forest-management-armenia>

**Azerbaijan** – <https://unece.org/forests/publications/overview-state-forests-and-forest-managementazerbaijan>

**Kazakhstan** – <https://unece.org/forests/publications/overview-state-forests-and-forest-management-kazakhstan>

**Kyrgyzstan** – <https://unece.org/forests/publications/overview-state-forests-and-forest-management-kyrgyzstan>

**Tajikistan** – <https://unece.org/forests/publications/overview-state-forests-and-forest-management-tajikistan>

**Turkmenistan** – <https://unece.org/forests/publications/overview-state-forests-and-forest-management-turkmenistan>

**Uzbekistan** – <https://unece.org/forests/publications/overview-state-forests-and-forest-management-uzbekistan>

**Towards Achieving the Sustainable Development Goals in the UNECE Region.** This report reviews the situation and trends in progress towards SDGs through the lens of 49 selected indicators under each of the 17 SDGs. URL: <https://unece.org/statistics/publications/towards-achieving-sustainable-development-goals-unece-region>.

**Towards Sustainable Renewable Energy Investment and Deployment: Trade-Offs and Opportunities with Water Resources and the Environment.** URL: <https://unece.org/environment-policy/publications/towards-sustainable-renewable-energy-investment-and-deployment>

## Asian Development Bank

**Asian Water Development Outlook 2020: Advancing Water Security across Asia and the Pacific.** The Asian Water Development Outlook (AWDO) assesses national water security across the Asia and the Pacific, with a focus on five key dimensions: rural, economic, urban, environmental, and water-related disaster. URL: <https://www.adb.org/publications/asian-water-development-outlook-2020>

**Using Artificial Intelligence for Smart Water Management Systems.** This brief introduces the principles of artificial intelligence for water utilities embarking on this digital transformation to improve their water distribution operation in general, and to address unaccounted-for-water problems in particular. URL: <https://www.adb.org/sites/default/files/publication/614891/artificial-intelligence-smart-water-management-systems.pdf>

## UN-Water

**UN World Water Development Report 2020.** The Report focuses on the challenges, opportunities and potential responses to climate change, in terms of adaptation, mitigation and improved resilience that can be addressed through improving water management. URL: [www.unwater.org/publications/world-water-development-report-2020/](http://www.unwater.org/publications/world-water-development-report-2020/)

**UN-Water 2030 Strategy.** The Strategy represents a collective way forward to address the water and sanitation challenges over a ten-year period. URL: [www.unwater.org/publications/un-water-2030-strategy/](http://www.unwater.org/publications/un-water-2030-strategy/)

**UN-Water Analytical Brief on Unconventional Water Resources.** URL: [www.unwater.org/publications/un-water-analytical-brief-on-unconventional-water-resources/](http://www.unwater.org/publications/un-water-analytical-brief-on-unconventional-water-resources/)

## FAO

**The State of Food Security and Nutrition in the World 2020.** Transforming food systems for affordable healthy diets. The report complements the usual assessment of food security and nutrition with projections of what the world may look like in 2030, if trends of the last decade continue. URL: <https://www.fao.org/publications/card/en/c/CA9692EN>

**Biodiversity for Food and Agriculture and Ecosystem Services.** Thematic study for the state of the world's biodiversity for food and agriculture. URL: [www.fao.org/documents/card/en/c/cb0649en](http://www.fao.org/documents/card/en/c/cb0649en)

## CAREC

**Regional Climate Cooperation-Challenges and Perspectives.** The policy brief informs about existing players, thematic directions, and platforms on regional climate change interventions, as well as provides possible solutions to effective cooperation within CAREC. URL: [www.carecinstitute.org/wp-content/uploads/2021/01/CI-policy-brief-climate-cooperation-24-Dec-2020.pdf](http://www.carecinstitute.org/wp-content/uploads/2021/01/CI-policy-brief-climate-cooperation-24-Dec-2020.pdf)

**Climate Vulnerability, Infrastructure, Finance and Governance in CAREC.** The research examines adaptation and mitigation strategies of CAREC countries in the context of COP21, the 2030 Agenda and Sendai Framework for Disaster Risk Reduction. URL: [www.carecinstitute.org/publications/climate-vulnerability-infrastructure-finance-and-governance-in-carec/](http://www.carecinstitute.org/publications/climate-vulnerability-infrastructure-finance-and-governance-in-carec/)

**Determinants of Vulnerability to Climate-Induced Water Stress in CAREC.** URL: <https://www.carecinstitute.org/publications/policy-brief-determinants-of-vulnerability-to-climate-induced-water-stress-in-carec/>

# United Nations University Institute for Water, Environment and Health

**UNU-INWEH Series of Reports for 2020:** Strategic Foresight to Applications of Artificial Intelligence to Achieve Water-related Sustainable Development Goals; Ageing Water Storage Infrastructure: An Emerging Global Risk; Migration and Water: A Global Overview.

URL: <https://inweh.unu.edu/category/unu-inweh-reports/>

## Other

**Economic valuation in the monitoring of ecosystems services: Methodical guide/** R. Corobov, O. Cazanteva, Gh. Sirodoev and I. Trombitsky; PROJECT BSB165 "HydroEcoNex". – Chişinău: Eco-Tiras, 2020 (Arconteh). – 88 p.

URL: [www.eco-tiras.org/books/ES-book-Eco-TIRAS-2020-final.pdf](http://www.eco-tiras.org/books/ES-book-Eco-TIRAS-2020-final.pdf)

**Hindu Kush-Himalaya Watersheds Downhill: Landscape Ecology and Conservation Perspectives/**R. Regmi, F. Huettmann; Eds, 2000.

URL: <https://doi.org/10.1007/978-3-030-36275-1>

**Hydropower Sector Climate Resilience Guide/**International Hydropower Association (IHA)/ London, 2019.

URL: [www.hydropower.org](http://www.hydropower.org)

**Rights of Rivers: A global survey of the rapidly developing Rights of Nature jurisprudence pertaining to rivers/** The Cyrus R. Vance Center, Earth Law Center, and International Rivers, October 2020. It presents the UN resolutions on the rights of rivers, legislative enactments and judicial decisions across Oceania (Aotearoa/New Zealand and Australia); South America (Bolivia, Brazil, Colombia, and Ecuador); Asia (India, Bangladesh and the Philippines), North and Central America (USA, Costa Rica and Mexico) and Africa (Uganda).

URL: [https://static1.squarespace.com/static/55914fd1e4b01fb0b851a814/t/5f760119bde1f0691fc7c7e0/1601569082236/Rights+of+Rivers+Report\\_Final.pdf](https://static1.squarespace.com/static/55914fd1e4b01fb0b851a814/t/5f760119bde1f0691fc7c7e0/1601569082236/Rights+of+Rivers+Report_Final.pdf)





