

MINISTRY OF AGRICULTURE OF THE
REPUBLIC OF KAZAKHSTAN

MINISTRY OF EDUCATION AND
SCIENCE OF THE REPUBLIC OF
KAZAKHSTAN

INSTITUTE OF GEOGRAPHY

Kazakh National Research Technical University after K.I. Satpayev of MES RK

PROGRAM

**INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE
"WATER RESOURCES OF CENTRAL ASIA
AND THEIR USE",
devoted to summing up announced by the UN
decade
"Water for life"**



September 22-24, 2016.
Almaty
Republic of Kazakhstan

Dear _____!

We would like to invite you to take part in the International Scientific-Practical Conference
"WATER RESOURCES OF CENTRAL ASIA AND THEIR USE",
devoted to the summing-up of the "Water for Life" decade declared by the United Nations.
September 22-24, 2016, Almaty, Kazakhstan

Organizing committee of a conference:

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1. Organizers

The Ministry of Agriculture of the Republic of Kazakhstan, The Ministry of Education and Science of the Republic of Kazakhstan, Representative office of Federal Department of foreign affairs of the Swiss Federation.

2. Co-organizers

NAO "Kazakh National Research Technical University after K.I. Satpayev ", The Kazakh national agricultural university, UNESCO-IHP, Cluster bureau UNESCO in Almaty

3. Partners

The World Bank, OSCE, the Executive directorate of the International Fund of Rescue of the Aral Sea (IFAS), Economic Commission for Europe (ECE) UNESCO, National academy of Sciences of RK, the Kazakh research institute of water management, RSE on the REU "The West Kazakhstan agrarian and technical university after Zhangir khan", the Kazakhstan National academy of Natural Sciences, the International Glacial Association, the International Association of Hydrogeologists (IAH), Caspian Services Inc.

4. Performer

PLC "Institute of geography", National Academy of Education "Kazakh National Research Technical University of K. I. Satpayev" of the Ministry of Education and Science of the Republic of Kazakhstan.

5. Representations

Participation of representatives of state bodies of the Republic of Kazakhstan and the Republics of Central Asia is supposed.

6. Participants

The international, foreign and national experts in the field of water resources and their use.

7. Organizing committee

Presidium of organizing committee

Chairman:

Nysanbayev Yerlan Nuraliyevich – Vice Minister of Agriculture of the Republic of Kazakhstan

Cochairman:

Beysembetov Iskander Kalybekovich - Rector of Kazakh National Research Technical University named after K.I. Satpayeva of MES RK

Yespolov Tlektis Isabayevich - Rector of Kazakh National Agricultural University

Vice-chairman:

Abishev Islam Almakhanovich - Chairman of committee on water resources of the Ministry of agriculture RK

Koval Igor Aleksandrovich - Director of the department of the cross-border rivers of the Ministry of agriculture RK

Medeu Akhmetkal Rakhmetullayevich - Director of PLC "Institute of Geography"

Responsible secretary:

Malkovskiy Igor Mikhaylovich - chief manager on managements of the projects of PLC "Institute of Geography"

Members of organizing committee:

Abou Amani - Chief of Section on Hydrological Systems and Water Scarcity, UNESCO Paris;
Thierry Tumbehr - M. Sc, Regional Water Sector Advisor, Swiss Agency for Development and Cooperation SDC, Uzbekistan;

Bekniyaz Bulat Kabikenovich - Director of the Executive directorate of IFAS;

Tashtanaliyev Kokumbek Dzhumagulovich - Director of the department of water management and melioration. Kyrgyz Republic;

Gulov Tagoymurod - Head of department of water resources. Ministry of Energy and Water Resources, Republic of Tajikistan;

Baydzhanov Guyzgelda - Deputy Minister of rural and water management. Ministry of rural and water management, Republic Turkmenistan;

Khamrayev Shavkat Rakhimovich – Candidate of Agricultural Sciences, Deputy minister. Ministry of rural and water management, Republic of Uzbekistan;

Despotovic Jovan Zivadinovic - Doctor of Philosophy; Professor at the University; University of Belgrade - Faculty of Civil Engineering ; Republic of Serbia, Belgrade;

Mustafayev Vefa – Doctor of Philosophy, professor, the consultant of scientific sector, (UNESCO-OSCE);

Severskiy I.V. – academician of National Academy of the Republic of Kazakhstan , professor, chairman of National Committee of the Republic of Kazakhstan on the International Hydrological Program of UNESCO;

Kunayev M. S. - academician of the Russian Academy of Natural Sciences, the assistant to the chairman of the Senate of the Republic of Kazakhstan.

Technical committee of a conference**Chairman:**

Medeu A. R. – director of PLC "Institute of geography

Vice-chairmen:

Alimkulov S. K. – deputy director on science of Institute of Geography LLP

Malkovskiy I. M. – chief manager on management of the projects of PLC “Institute of Geography”

Secretaries:

Tokmagambetova R. Yu. – scientific secretary of Institute of Geography LLP

Toleubayeva L. S. - head of the department of PLC “Institute of Geography”

Tursunova A. A. – head of the department of PLC “Institute of Geography”

Madibekov A. S. – head of the department of PLC “Institute of Geography”

Members of technical committee:

Severskiy I.V. – academician of National Academy of Kazakhstan, head of glacial researches of Institute of geography

Dostay Zh.D. – head of the department of water problems of PLC “Institute of Geography”

Akiyanova F. Zh. – director of the branch of Institute of Geography in Astana

Blagoveshchenskiy V.P. – head of the department of PLC “Institute of Geography”

Amirgaliyev N. A. – GNS PLC “Institute of Geography”

Skorintseva I. B. – head of the department of PLC “Institute of Geography”

Medeu A. A. – head of the department of PLC “Institute of Geography”

Tokmagambetov T. G. - head of the department of PLC “Institute of Geography”

Egemberdiyeva K. B. – head of the department of PLC “Institute of Geography”

Abitbayeva A. D. – head of the department of PLC “Institute of Geography”

Zhakenov M. S. - chief of the department of the international water relations of Department of the cross-border rivers of the Ministry of Agriculture of the Republic Kazakhstan

Tashimov E. S. – chief expert of management of the international water relations of Department of the cross-border rivers of the Ministry of Agriculture of the Republic Kazakhstan

8. Venue

Republic of Kazakhstan, Almaty, Kurmangazy St., 40, House of friendship, center of the interethnic relations.

9. Carrying out time

September 22-24, 2016.

10. Concept of the Conference

International Scientific-Practical Conference

"Water resources of Central Asia and their use"

The issue of the sustainable water supply of Central Asian countries gains an acute socio-economic, environmental and political nature in recent decades. In particular, such a tendency was caused, on the one hand, by the increasing role of anthropogenic factors related to water consumption for the population needs, for industry and agriculture, and on the other - by natural factors due to the climate change.

The main threats and challenges that Central Asian countries face in the field of water supply are the global and regional climate changes, lack of coordination of interstate water relations, use of water-wasting technologies and inadequate technical means of water regulation and water allocation. The consequences may have a negative impact on inter-state conflicts, development of the environmental instability, disruption of socio-economic development programs.

In the context of solving water problems that are relevant at the regional and national levels, in connection with the summing-up of the "Water for Life" decade declared by the United Nations, the Ministry of Agriculture of the Republic of Kazakhstan, the Ministry of Education and Science of the Republic of Kazakhstan, the Kazakh National Research Technical University named after K.I. Satpayev, the Committee for Water Resources of the Ministry of Agriculture of the Republic of Kazakhstan in collaboration with the Institute of Geography of the Ministry of Education and Science of the Republic of Kazakhstan, as well as with partners from Switzerland, plans an international scientific-practical conference "Water Resources of Central Asia and their use" to be held on September 22-24, 2016 in Almaty. Discussion of the vital water problems are on the agenda:

- Water Resources of Central Asia in the context of the climate change;
- Water resources management: principles, methods, results;
- Geographical information systems and mathematical modeling;
- Water cooperation in transboundary basins of underground and surface waters;
- Extreme hydrological phenomena.

The major objective of the scientific-practical conference is a demonstration and discussion of the water resources management as the basis for the sustainable development at the regional and national levels.

Broad participation of the specialists in water area from the CIS and other foreign countries (Russia, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, China, Afghanistan and others) is expected.

The Conference materials will be published in three languages (Kazakh, English, Russian).

11. Program of the Conference

Program of the International Scientific-Practical Conference

"Water resources of Central Asia and their use",
devoted to the summing-up of the "Water for Life" decade
declared by the United Nations
September 22-24, 2016

September 21

Arrival of participants of the International scientific and practical conference "Water Resources of Central Asia and Their Use".

Meeting and placement in hotels

September 22

Almaty, Kurmangazy St., 40, House of friendship, center of the interethnic relations.

08.00 - 08.30	Registration of conference participants
08.30 - 08-50	Photoshoot of conference participants
08.50 - 09-30	The opening ceremony Moderators: Nysanbayev Yerlan Nuraliyevich (Vice – minister of the Ministry of Agriculture of the Republic of Kazakhstan), Medeu Akhmetkal Rakhmetullayevich (director of PLC “Institute of Geography”) Welcome speech: (<i>regulations of performances — up to 5 min.</i>) Nysanbayev Yerlan Nuraliyevich – Vice– minister of the Ministry of Agriculture of the Republic of Kazakhstan; Amrin Aslanbek Kemengerovich - Vice-Minister of Education and Science of the Republic of Kazakhstan; Wilhelm Meier – Doctor of philosophy, Swiss Special Envoy for Water in Central Asia; Swiss Agency for Development and Cooperation; Tashtanaliyev Kokumbek Zhumagulovich - director of the department of water management and melioration of the Ministry of Agriculture, food industry and melioration of the Kyrgyz Republic; Rakhimzoda Sulton Nurmakhmadpur - First Deputy Minister of Energy and Water Resources of the Republic of Tajikistan; Baydzhanov Guyzgelda - Deputy minister of rural and water management of Turkmenistan; Khamrayev Shavkat Rakhimovich - Deputy minister of rural and water management of the Republic of Uzbekistan;

	<p>Zhurinov Murat Zhurinovich- President of National Academy of Science of the Republic of Kazakhstan;</p> <p>Abou Amani - Chief of Section on Hydrological Systems and Water Scarcity, UNESCO Paris;</p> <p>Andrey Sergeevich Shevelyov - Director of Cluster bureau UNESCO of Kazakhstan, Kyrgyzstan, Uzbekistan and Tajikistan to Almaty, Kazakhstan;</p> <p>Animesh Shrivastava - Dr. Phil in Economics, Program Leader for Central Asia, Sustainable Development.</p>
09.30-12.30	<p>Plenary session (<i>Round hall, House of friendship</i>)</p> <p>Chairman: Nysanbayev Yerlan Nuraliyevich (<i>regulations of performances up to 15 minutes</i>)</p> <p>Abishev Islam Almakhanovich - chairman of committee on water resources of the Ministry of Agriculture of the Republic of Kazakhstan. "Water resources of Kazakhstan and their use".</p> <p>Alamanov Salamat Kulembekovich - candidate of geographic sciences, head of sector of Institute of geology named after Adyshev, Bishkek, Kyrgyz Republic. "Water resources of the Kyrgyz Republic and their use".</p> <p>Mukhabbatov Holnazar Mukhabbatovich – doctor of geographic sciences, professor, head of the department of geography at Presidium of Academy of Science of the Republic of Tajikistan. "Problems of use of water resources of Tajikistan in the conditions of climate change".</p> <p>Veysov Sultan Kerimovich - candidate of geographic sciences, National institute of deserts, plant and animal life, Ashgabat, Turkmenistan, Khamrayev G. O. "Rational use of water resources of Turkmenistan in the conditions of climate change".</p> <p>Khamrayev Shavkat Rakhimovich - candidate of agricultural sciences, deputy minister of rural and water management of the Republic of Uzbekistan. "Water resources of Uzbekistan and their use: the current state and prospects".</p> <p>Abou Amani - Chief of Section on Hydrological Systems and Water Scarcity, UNESCO Paris. "UNESCO IHP VIII, Programme and Activities"</p>
11.00-11.30	Coffee-break
11.30-12.30	<p>Continuation of a plenary session</p> <p>Pintus Florence Marie - agronomy engineer. Post graduate.; Project</p>

	<p>manager at the International cooperation Direction; International Office for Water; France. "Mechanisms for water allocation for irrigation in arid countries: Decision support systems, data sharing and interactive scheme".</p> <p>Animesh Shrivastava - Dr. Phil in Economics, Program Leader for Central Asia, Sustainable Development. "Making Research Relevant to Development Needs".</p> <p>Severskiy Igor Vasilyevich - doctor of geographic sciences, prof., academician of National Academy of Sciences of RK, PLC "Institute of Geography", Almaty, Kazakhstan. "Change of a freezing of the Balkash-Alakol basin for the last 60 years and their influence on a drain and water resources".</p> <p>Malkovskiy Igor Mikhaylovich - doctor of geographic sciences, the academician of the International Academy of Sciences of ecology, safety of the person and the nature, the chief manager on project management, Medeu A. R., Toleubayeva L. S., PLC "Institute of Geography", Almaty, Kazakhstan. "Principles of water resources management of Kazakhstan"</p>
<p>12.30-13.00</p>	<p>Interview to mass media</p> <p>Submission of Bench reports <i>(In the foyer of the House of Friendship, 2nd floor)</i></p>
<p>13.00- 14.30</p>	<p>Lunch</p>
<p>14-30-16.00</p>	<p>Section plenary sessions pass at the same time</p> <p>Round table of high participation <i>Round hall (House of friendship)</i></p> <p>Moderator:</p> <p>Nysanbayev Yerlan Nuraliyevich – Vice–Minister of the Ministry of Agriculture of the Republic of Kazakhstan;</p> <p>Amrin Aslanbek Kemengerovich- Vice-Minister of Education and Science of the Republic of Kazakhstan;</p> <p>Gulov Tagoymurod - Head of department of water resources of the Minister of Energy and Water Resources of the Republic of Tajikistan;</p> <p>Baydzhанov Guyzghda - Deputy minister of rural and water management of Turkmenistan;</p> <p>Khamrayev Shavkat Rakhimovich - Deputy minister of rural and water management of the Republic of Uzbekistan;</p> <p>Tashtanaliyev Kokumbek Zhumagulovich - Director of the department of water management and melioration of the Ministry of Agriculture, food industry and melioration of the Kyrgyz Republic;</p>

Abishev Islam Almakhanovich - Chairman of committee on water resources of the Ministry of the Republic of Kazakhstan;

Kurmankulova Nazym Shubayevna - Third secretary of the Ministry of Foreign Affairs of the Republic of Kazakhstan;

Representatives of Federal Department of foreign affairs of the Swiss Federation:

Wilhelm Meier - Ph. D., Swiss Special Envoy for Water in Central Asia; Swiss Agency for Development and Cooperation;

Thierry Tumbehr - M. Sc, Regional Water Sector Advisor, Swiss Agency for Development and Cooperation SDC, Uzbekistan;

Representatives of the World Bank:

Francis Ato Brown, permanent representative of the World Bank in Kazakhstan;

Animesh Shrivastava, Dr. Phil in Economics, Program Leader for Central Asia, Sustainable Development;

William Young, Lead Water Resource Management Specialist, World Bank; Daryl Fields, Master's degree, Senior Water Resources Specialist, Lao PDR, Vientiane;

Representatives of the Economic Commission for Europe of the UN:

Bo Libert, Dr. United Nations Economic Commission for Europe; Geneva, Switzerland;

Khadzhiyev Batyr, employee on economic problems, the deputy head of Economic and Social Commission for Asia and the Pacific (ESCAP) / Economic Commission for Europe (ECE)

International hydrological program of UNESCO:

Abou Amani, Chief of Section on Hydrological Systems and Water Scarcity, UNESCO Paris;

Gevinyan Suren, consultant of department of system of underground waters and water bearing horizons of the International Hydrological Program (IHP), UNESCO;

Shevelyov Andrey Sergeevich, director of Cluster bureau UNESCO of Kazakhstan, Kyrgyzstan, Uzbekistan and Tajikistan in Almaty;

Kristine Tovmasyan, specialist in programs of Cluster bureau UNESCO in Almaty;

Zhurinov Murat Zhurinovich - President of National academy of Sciences of the Republic of Kazakhstan;

Beysembetov Iskander Kalybekovich - Rector of the Kazakh national research technical university of K. I. Satpayev;

Yespolov Tlektes Isabayevich- Rector of the Kazakh national agricultural university;

Bekniyaz Bulat Kabikenovich - Director of the Executive directorate of IFAS;

Kipshakbayev Nariman Kipshakpayevich -Director of the branch of Scientific-Information Center of the Interstate Coordination Water Commission of the Central Asia (SIC ICWC) in Kazakhstan.

Dukhovnyi Victor Abramovich - Director of the branch of Scientific-Information Center of the Interstate Coordination Water Commission of the Central Asia (SIC ICWC) in Uzbekistan;

Kozhaniyazov Serik Salauatuly - Deputy akim of Kyzylorda region.

Session 1. Geographic information systems and mathematical model operation (*Press hall, House of friendship*)

Moderators:

Babkin Alexey Vladimirovich, doctor of geographical sciences, professor, Russian State Hydrometeorological University, Russia;

Toleubayeva Lidiya Sergaziyevna, doctor of geographical sciences, head of department "Water Supply of Natural and Economic Systems and Mathematical Model Operation", PLC "Institute of Geography", Almaty, Kazakhstan.

(regulations of performances up to 10 minutes)

1. **Rakhimov Shavkat Hudargenovich**, director of Institute of the Irrigation and Water problems, doctor of engineering sciences, professor, Gafforov H. Sh., Seytov A. Zh., Tashkent, Uzbekistan. "Geographic information systems and mathematical model operations".

2. **Nikiforovskaya Valentina Sergeyevna**, candidate of engineering sciences, senior researcher, **Voyevodin A. F.**, doctor of physical and mathematical sciences, professor, Federal state budgetary institution of science Institute of hydrodynamics named after M. A. Lavrentyev of the Siberian office of Russian Academy of Sciences, Novosibirsk, Russia. "Numerical models for calculation of hydrological processes in river and lake and river systems".

3. **Nikiforovskaya Valentina Sergeyevna**, candidate of engineering sciences, senior researcher, **Voyevodin A. F.**, doctor of physical and mathematical sciences, professor, Federal state budgetary institution of science Institute of hydrodynamics named after M. A. Lavrentyev; Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russia. "Numerical model operation of formation of the water and thermal modes in river and lake and river systems under the influence of water management actions".

4. **Toleubayeva Lidiya Sergaziyevna**, doctor of geographic sciences, head of department "Water Supply of Natural and Economic Systems and Mathematical Model Operation", PLC "Institute of Geography", Almaty, Kazakhstan, Malkovskiy I. M., Sorokina T. E., Tairov A.Z., Puzikov E. M., Tolekova A., Abdibekov D. U., Dolbeshkin M. V., Povetkin R. D. "Technique of simulation dinamiko-stochastic modeling of systems of water supply of the Republic of Kazakhstan".

	<p>5. Rotanova Irina Nikolaevna, candidate of geographic sciences, associate professor, Altai state university, Barnaul, Russia, Lovtskaya O. V.; Vedukhina V. G. "Geoinformational - cartographical providing the water basin researches of Ob River".</p> <p>6. Bolashvili Nana Roinovna, candidate of geographic sciences, Director Institute of Geography of Vakhushti Bagrationi of the Tbilisi State University, Tbilisi, Georgia, Machavariani N. G., Geladze V. Sh., Karalashvili T. V., "Problems of control systems of water resources and drain of deposits of the rivers of East Georgia"</p> <p>7. Romanov Andrey Nikolaevich, doctor of engineering, associate professor, Institute of water and environmental problems of the Siberian Branch of the Russian Academy of Science, Barnaul, Russia, Hvostov I.V. "Space monitoring of an ecological condition of catchment basins of Western Siberia and Northern Kazakhstan".</p> <p>8. Ivkina Natalya Ivanovna, candidate of geographic sciences, head of the department of hydrometeorological researches of the Caspian Sea, RSE "Kazgidromet", Almaty, Kazakhstan. "Hydrodynamic model operation of the dangerous wind-surges phenomena on the Caspian Sea".</p>
<p>14.30-16.00</p>	<p>Session 2. Water resources of Central Asia in the conditions of climate changes (<i>House of Receptions, Almaty, Kurmangazy St., 44, Green hall</i>)</p> <p>Moderators:</p> <p>Shakhgidanova Maria – associated professor, University of Reading, Great Britain;</p> <p>Tursunova Aysulu Alashevna- candidate of geographic sciences, head of the department of water resources of PLC “Institute of Geography”, Almaty, Kazakhstan. (<i>regulations of performances from 8 to 10 minutes</i>)</p> <p>1. Cherednichenko Alexander Vladimirovich, doctor of geographical sciences, professor, scientific research institute of biology and biotechnology, Cherednichenko V. S., Galperin R. I., Davletkaliyev S. K., Cherednichenko Alexey V., Abdrakhimov R. G., Nysanbayeva A. S., Al-Farabi Kazakh National University, Almaty, Kazakhstan. "Influence of climate changes on the surface river runoff in the Republic of Kazakhstan".</p> <p>2. Usubaliyev Ryskul Abdyzhakipovich, candidate of geologo-mineralogical sciences, Central Asian institute of applied researches of Earth, Bishkek, the Kyrgyz Republic, Moldobekov B. D., Mandychev A., the Kalashnikov O., Azisov E. "Water resources of Kyrgyzstan in the conditions of climate change. Water resources of Uzbekistan and their use: the current state and prospects".</p> <p>3. Mavlonov Aslon Akramovich, candidate of geologo-mineralogical sciences, vice-chairman of the State committee on geology and mineral resources, Tashkent, Uzbekistan, Abdullaev B. D. "Water resources of</p>

	<p>Uzbekistan and their use: the current state and prospects".</p> <p>4. Maria Shahgedanova, Associate Professor, University of Reading, UK, Reading city, England, Afzal M., Severskiy I.V., Usmanov Z., Kapitsa V., Zhumabayev D. <i>"Impacts of climate change on river discharge in the northern Tien Shan: Results from long-term observations and modeling"</i>.</p> <p>5. Mamedov Ramiz Makhmudogly, academician of National Academy of Sciences of Azerbaijan, doctor of geographical sciences, professor, director of Institute of geography named after Academician G. A. Aliyev National Academy of Sciences of Azerbaijan, Baku, Azerbaijan. <i>"Climatic changes and water resources of Southern Caucasus"</i>.</p> <p>6. Volchek Alexander Aleksandrovich, doctor of geographical sciences, professor, dean of faculty of engineering systems and ecology of Belarusian State Technological University, Brest, Belarus. <i>"Water resources of Belarus in the conditions of the changing climate: the current state and forecast"</i>.</p> <p>7. Kobilov Hamitdzhani Habibovich, general director of association for design of water facilities "Vodproyekt", Tashkent, Uzbekistan. <i>"Influences of climatic changes on water resources of the Republic of Uzbekistan"</i>.</p> <p>8. Puzanov Alexander Vasilyevich, doctor of biological science, professor, director of Institute of water and environmental problems Siberian department of Russian Academy of Sciences, Barnaul city, Russian Federation, Bezmaternykh D. M., Vinokurov Yu.I., Atavin A. A., Zinovyev A. T., Kirillov V. V., Krasnoyarova B. A., Lovtskaya O. V., Papina T.S., Rybkina I. D. <i>"Water resources and water management complex of the Ob-Irtysh basin"</i>.</p> <p>9. Absametov Malis Kudysovich, doctor of geologo-mineralogical sciences, professor, director, Institute of hydrogeology and hydrophysics named after U. M. Akhmedsafin, Almaty, Kazakhstan, Murtazin E. Zh., Osipov S. V., Livinsky Yu. N., Burakov M. M. <i>"Security with resources of underground waters of the territory of the Southern Kazakhstan"</i>.</p> <p>10. Tursunova Aysulu Alashevna, candidate of geographical sciences, head of the department of water resources of PLC "Institute of Geography", Almaty, Kazakhstan. Alimkulov S. K., Saparova of A. A. Zagidullin A. R. <i>"Water resources of river runoff of southern regions of Kazakhstan: retrospective state, regularities of distribution"</i>.</p> <p>11. Zheleznyak Mikhail Nikolaevich, doctor of geologo-mineralogical sciences, professor, director of P.I.Melnikov permafrost insitute of the Siberian Branch of Russian Academy of Sciences), Gorbunov A. P., Severskiy E.V., Galanin A. A., Olenchenko V. V. <i>"Cryogenic resources of Tien Shan"</i>.</p>
16.00-16.30	Coffee-break
16.30-18.00	<p>Section plenary sessions pass at the same time</p> <p>Round table of high participation. Departure on the "Future of Water</p>

	Resources of Central Asia" exhibition. Rixos Almaty hotel
16.30-18.00	<p>Continuation of session 1. Geographic information systems and mathematical model operation (<i>Press hall, House of friendship</i>)</p> <p>Moderators: Babkin Alexey Vladimirovich, doctor of geographical sciences, professor, Russian State Hydrometeorological University Toleubayeva Lidiya Sergaziyevna, doctor of geographical sciences, head of department of water supply of natural and economic systems and mathematical model operation" of PLC "Institute of Geography", Almaty, Kazakhstan. <i>(regulations of performances up to 10 minutes)</i></p> <p>1. Kauazov Azamat Maratovich, candidate of geographical sciences, deputy director of department of remote sensing of Earth, JSC National Center of Space Researches and Technologies, Almaty, Kazakhstan, Vitkovsky I.S., Batyrbayeva M. Zh., Spivak L. F. <i>"Technologies and results of space monitoring of snow cover in Kazakhstan"</i>.</p> <p>2. Babkin Alexey Vladimirovich, doctor of geographical sciences, professor of department of dynamics of the atmosphere and space physical geography, Russian State Hydrometeorological University (RSHU), St. Petersburg, Russia, Daniel Butchart-Kuhlmann, Rainchik S.E. <i>"Intra-annual variations of river runoff in southern Africa"</i>.</p> <p>3. Akiyanova Farida Zhianshinovna, doctor of geographical sciences, professor, academician of Kazakh National Academy of Natural Sciences, director of the branch of PLC "Institute of Geography", Astana, Kazakhstan, Abitbayeva A. D., Valeev A. G. <i>"Morphometric conditions of the basin of the Alakol-Sasykkol system of lakes on the basis of geoinformational model operation"</i>.</p> <p>4. Terekhov Alexey Gennadevich, candidate of engineering sciences, RSE "Kazgidromet", Almaty, Kazakhstan, Dolgih S. A. <i>"Geographical information system of operational assessment of volume of a water-supply in simulated reservoirs of the Chinese sector of a river basin Ili"</i>.</p> <p>5. Shagarova Lyudmila Valentinovna, candidate of engineering sciences, head of the laboratory of GIS and Remote Sensing of Institute of hydrogeology and geoecology named after U. M. Akhmedsafin, Almaty, Kazakhstan, Absametov M. K., Cheredov V. O., Muratova M. M. <i>"About some aspects of use of GIS as expert system on rehabilitation of the geological environment at the regional level"</i>.</p> <p>6. Orazov Yerik Tokenovich, candidate of physico-mathematical sciences, leading researcher, Institute of mathematics and mathematical model operation of Ministry of Education and Sciences of RK, Almaty, Kazakhstan. Tverdovskiy A. I. <i>"Simulation and game-theoretic modeling of long-term dynamics of the RK water fund of the basin of the lake Balkash"</i>.</p>
16.30-18.00	<p>Session 3. Water resources management: principles, methods, results (<i>House of Receptions, Almaty, Kurmangazy St., 44, Green hall</i>)</p>

Moderators:

Rakhimov Shavkat Hudargenovich- director of Institute of the Irrigation and Water problems, doctor of engineering sciences, professor, Tashkent, Uzbekistan;

Bekniyaz Bulat Kabikenovich- director of the Executive directorate of IFAS. (*regulations of performances up to 10 minutes*)

1. **Nagaraja Rao Harshadeep**, Ph.D in Water Resources and Environmental Systems, Lead Environmental Specialist and Global Lead (Watersheds), The World Bank; Daryl Fields, master's degree, senior water resources specialist, Lao PDR, Vientiane. *"Modernizing Information, Institutions, and Investments for Water Resources Management: Global Good Practices"*.

2. **Mukhamedzhanov Valiakhmet Nuriakhmetovich**, doctor of economic sciences, professor, head of the department of economy of water management of Kazakh Scientific Research Institute of Water Economy (SRIWE), Taraz, Kazakhstan. *"About improving the management of water sector of economy of Kazakhstan"*.

3. **Saliyev Bakhodir Kamilovich**, PhD in Technological Sciences, associate professor, head of the department of Research Institute of Irrigation and Water Problems at the Tashkent Institute of Irrigation and Melioration, Tashkent, Uzbekistan. *"The prospects of use of underground water resources in complex with surface waters for an irrigation"*.

4. **Kipshakbayev Nariman Kipshakpayevich**, candidate of engineering sciences, director of the branch of scientific information center of the interstate coordination of water management commission;, Almaty, Kazakhstan. *"Increase in potential of work of interstate institutes on water resources management of the basin of the Aral Sea"*.

5. **Despotovic Jovan Zivadinovic**, Doctor of Philosophy; Professor at the University; University of Belgrade - Faculty of Civil Engineering; Republic of Serbia, Belgrade. *"The integrated water resources management at the river basins"*.

6. **Kalashnikov Alexander Afanasyevich**, candidate of engineering sciences, head of the department of technologies and techniques of watering" of Kazakh Scientific Research Institute of Water Economy (SRIWE), Taraz, Kazakhstan, Bayzakova A. E., Tskhay M.B. *"The current state of water resources of the Southern Kazakhstan"*.

7. **Serikbayev Bakir Serikbayevich**, doctor of engineering sciences, professor, Tashkent institute of an irrigation and melioration, Tashkent, Uzbekistan, Serikbayeva E. B., Butayerov A. *"Underground waters of Tajikistan. Prospects of use. Modernization of management of GMS (hydromagnetic systems) on the basis of the cybernetic scheme of model in Uzbekistan"*.

18.30	Dinner
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September 23

Almaty, Kurmangazy St., 40, House of friendship, center of the interethnic relations.

09.00-11.00	<p>Section plenary sessions pass at the same time</p> <p>Continuation of a session 3. Water resources management: principles, methods, results (<i>Round hall, House of friendship</i>)</p> <p>Moderators: Rakhimov Shavkat Khudargenovich – director of the Research Institute of Irrigation and Water Problems at Tashkent Institute of Irrigation and Melioration, doctor of engineering sciences, Tashkent, Uzbekistan. Bekniyaz Bulat Kabikenovich - director of the Executive directorate of IFAS. <i>(regulations of performances up to 10 minutes)</i></p> <ol style="list-style-type: none"> 1. Schönbrodt-Stitt Sarah, Dr. (Ph.D), Remote Sensing Unit, Institute of Geography, University of Wuerzburg. «<i>Remote Sensing and GIS for Supporting the Agricultural Use of Land and Water Resources in the Aral Sea Basin</i> ». 2. Yespolov Tlektes Isabayevich, doctor of economic sciences, professor, academician of National Academy of Kazakhstan, Rector of the National Academy of Education (NAE) Kazakh National Agrarian University (KazNAU) , Almaty, Kazakhstan. "<i>The innovative directions of development of flood and water supply of pasturable territories of the Republic of Kazakhstan</i>". 3. Tolstikhin Gennady Mikhaylovich, candidate of geologo-mineralogical sciences, SE "Kyrgyz Complex Hydrogeological Expedition" of the State committee of the industry, a power engineering and subsurface use, Bishkek, Kyrgyzstan. "<i>Resources of fresh underground waters of the Kyrgyz Republic: State conditions of drinking water supply of the population</i>". 4. Burlibayev Malik Zholdasovich, doctor of engineering sciences, deputy general director for scientific work, Kazakhstan Agency of Applied Ecology, Burlibayev D. M., Almaty, Kazakhstan. "<i>Hydroecological bases of division of a transit (surface) runoff of the cross-border rivers of Kazakhstan</i>". 5. Smolyar Vladimir Aleksandrovich, doctor of geologo-mineralogical sciences, the chief specialist, PLC “Kazecoproject”, Isaev A. K., Almaty, Kazakhstan. "<i>Expected resources and operational reserves of underground waters and their distribution across the territory of Kazakhstan</i>".
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	<p>6. Mustafayev Zhumakhan Suleymenovich, doctor of engineering sciences, professor, Mustafayev K. Zh., Koybagarova K. B., National Academy of Education (NAE) Kazakh National Agrarian University (KazNAU), Almaty, Kazakhstan. <i>"Methodological bases of assessment of maximum-permissible level of use of water resources of river basins"</i>.</p> <p>7. Ashiryaev Klim Shafkatovich, PhD in Technological Sciences, satellite navigation system, associate professor, Kazakh National Research Technical University after K. I. Satpayev, Almaty, Kazakhstan. <i>"Increase in effectiveness of water use and water conservation of the Balkhash-Alakol water management complex"</i>.</p> <p>8. Medeu Alikhan Akhmetkaluly, doctor of economic sciences, PLC "Institute of Geography", Almaty, Kazakhstan. <i>"Economic assessment of water resources in the context of paid water use"</i>.</p>
<p>09.00-11.00</p>	<p>Session 5. Extreme hydrological phenomena (<i>Press hall, House of friendship</i>)</p> <p>Moderators:</p> <p>Baryshnikov Gennady Yakovlevich, doctor of geographical sciences, professor, academician of the international academy of sciences, Altai state university, Barnaul, Russia.</p> <p>Ibatullin Sagit Rakhmatullayevich, doctor of engineering sciences, professor, director of the international training center of safety of hydraulic engineering constructions, Kazakhstan. (<i>regulations of performances up to 10 minutes</i>)</p> <p>1. Baryshnikov Gennady Yakovlevich, doctor of geographical sciences, professor, academician of the international academy of sciences, Baryshnikov S. G., Altai state university, Barnaul, Russia. <i>"The extreme hydrological phenomena in Altai and interstate use of water resources: Russia - Kazakhstan"</i>.</p> <p>2. Plekhanov Pyotr Andreevich, candidate of geographical sciences, academician of the International academy of Sciences of ecology, human and nature safety, deputy director for science of PLC "KAZINZHENERGOPROYEKT", Almaty, Kazakhstan. <i>"Methodological aspects of assessment of risks of the extreme hydrological phenomena in Kazakhstan"</i>.</p> <p>3. Galperin Robert Izrailevich, doctor of geographical sciences, professor, Al-Farabi Kazakh National University, Almaty, Kazakhstan. <i>"To a question of assessment of present and future water dangers"</i>.</p> <p>4. Kalinin Mikhail Yuryevich, doctor of engineering sciences, professor, Association of keepers of the rivers, Minsk, Belarus, Burlibayev M. Zh., Volchek A. A. <i>"Hydrological spontaneous phenomena (world tendencies, chronicle of Kazakhstan and Belarus)"</i>.</p> <p>5. Kristine Tovmasyan, Alfred Diebold, UNESCO Almaty office, Almaty,</p>

	<p>Kazakhstan. <i>"Impact of glaciers melting on national and trans-boundary water systems in Central Asia: time for action"</i>.</p> <p>6. Shenberger Igor Viktorovich, master of hydrology, deputy chief of department of water resources and rationing, PLC "Kazakhstan Agency of Applied Ecology", Almaty, Kazakhstan, Plekhanov P. A. <i>"The extreme hydrological phenomena in Kazakhstan and standard options of their emergence and development"</i>.</p>
11.00-11.30	Coffee-break
11.30-13.30	<p>Section plenary sessions pass at the same time</p> <p>Session 4. Water cooperation in cross-border pools of an underground and surface water: hydrodiplomacy, geopolitics, water law (<i>Round hall, House of friendship</i>)</p> <p>Moderators: Abou Amani, Chief of Section on Hydrological Systems and Water Scarcity, UNESCO Paris. Severskiy Igor Vasilyevich - academician of National Academy of Sciences of Kazakhstan, doctor of geographical sciences, PLC "Institute of geography", Kazakhstan. <i>(regulations of performances up to 10 minutes)</i></p> <p>1. Burchi Stefano, UNESCO consultant, and Chairman of the Executive Council, international Association for Water Law – AIDA. <i>"Domestic water laws for effective governance and for compliance with international commitments"</i>.</p> <p>2. Libert Bo, Dr. United Nations Economic Commission for Europe; Geneva, Switzerland. <i>"Convention on protection and use of cross-border water currents and international lakes (Conventions on cross-border waters)"</i>.</p> <p>3. Zhiltsov Sergey Sergeyeovich, doctor of political sciences, Diplomatic academy Russian Foreign Ministry, Moscow, Russia. <i>"Policy of the countries of Central Asia in the field of use of water resources of the cross-border rivers"</i>.</p> <p>4. Tobias Siegfried Dr., Bakyt Makhmutov Mr. Senior Advisor for Water & Policy, Swiss Agency for Development and Cooperation SDC, Kyrgyzstan, Bishkek. <i>"Promotion of Interstate Water Management Cooperation on Transboundary Chu and Talas Rivers"</i>.</p> <p>5. Pulatov Yarash Ergashevich, doctor of agricultural sciences, professor; head of the department of innovative technologies and scientific and educational researches, Institute of water problems, hydropower and ecology of Academy of Sciences of Tajikistan, Ashgabat, Tajikistan, Kurbanov A., Nazirov Z. A., Boboyev A. K. <i>"Assessment of interrelation of water, food, energy and ecosystems in a river basin the SyrDarya"</i>.</p> <p>6. Amirgaliyev Nariman Amirgaliyevich, doctor of geographical sciences,</p>

	<p>professor, PLC “Institute of Geography”, Askarova M.A., Al-Farabi Kazakh National University, Almaty, Kazakhstan. <i>"Resistant organic pollutants in water of the cross-border basins of Kazakhstan"</i>.</p> <p>7. Bréthaut Christian, Dr. Team Leader, University of Geneva/Institute for Environmental Sciences/GenevaWaterHub – Education & Knowledge "GOUVRHONE, transboundary management of the Rhone River".</p> <p>8. Mara Tignino, Senior Lecturer and Coordinator Platform for International Water Law Geneva Water Hub. "Joint ownership of water infrastructure in international".</p> <p>9. Wehrli Bernhard, Dr., Professor of Aquatic Chemistry, ETH Zurich, Swiss Federal Institute of Technology, Switzerland, Zurich. «<i>Water quality standards: their implementation, their monitoring and effective intervention</i>».</p> <p>10. Rakhimov Shavkat Hudargenovich, doctor of engineering sciences, professor, director of Institute of the Irrigation and Water problems, Tashkent, Uzbekistan. <i>"Water cooperation in cross-border basins of the AmuDarya Rivers and SyrDarya"</i>.</p>
<p>11.30-13.30</p>	<p>Continuation of a session 5. Extreme hydrological phenomena (<i>Press hall, House of friendship</i>)</p> <p>Moderators: Baryshnikov Gennady Yakovlevich, doctor of geographical sciences, professor, academician of the international academy of sciences, Altai state university, Barnaul, Russia. Ibatullin Sagit Rakhmatullayevich, doctor of engineering sciences, professor, director of the international training center of safety of hydraulic engineering constructions, Kazakhstan. (<i>regulations of performances up to 10 minutes</i>)</p> <p>1. Karamoldoyev Zhumakadyr Zhekshenovich, candidate of geographical sciences, professor of Kyrgyz National University named after Zhusup Balasagyn. Bishkek, Kyrgyzstan. <i>"Regional changes of a minimum river runoff of Kyrgyzstan"</i>.</p> <p>2. Zinovyev Alexander Timofeyevich, doctor of engineering sciences, head of the department of hydrology and geoinformatics, Institute of water and environmental problems of the Siberian Branch of the Russian Academy of Science, Barnaul, Russia, Koshelev K. B., Galakhov V. P. <i>"Prediction of high waters and floods in Upper Ob"</i>.</p> <p>3. Rotanova Irina Nikolaevna, candidate of geographical sciences, associate professor, Altai state university, Barnaul. Russia, Kharlamova N. F., Plekhova A. V., Kazartseva O. S. <i>"The extreme hydrological phenomena in the Atlas of natural hazards of Altai Krai"</i>.</p> <p>4. Sakhvayeva Ekaterina Pavlovna, head of information and analysis department, Department of water management and melioration, Bishkek, Kyrgyzstan. <i>"A research of change of a drain of the river Big Naryn in</i></p>

	<p><i>connection with activity of the mine Kumtor and global warming of climate".</i></p> <p>5. Turakhanov Rasheed Rakhmatullayevich, chief engineer of the project of Uzdavsubvloykh O'ZSUVLOYIHA Joint-stock company. <i>"The extreme hydrological phenomena in Uzbekistan".</i></p>
13.00– 14.30	Lunch
14.30-16.00	<p>Continuation of a session 4. Water cooperation in cross-border pools of an underground and surface water: hydrodiplomacy, geopolitics, water law (<i>Round hall, House of friendship</i>)</p> <p>Moderators: Abou Amani, Chief of Section on Hydrological Systems and Water Scarcity, UNESCO Paris. Severskiy Igor Vasilyevich, academician of National Academy of Sciences, doctor of geographical sciences, PLC "Institute of geography", Kazakhstan. (<i>regulations of performances up to 10 minutes</i>)</p> <p>1. Podolny O. V., doctor of geologo-mineralogical sciences, the head of department of geocology and mathematical model operation, Hydrogeocological Research and Production and Engineering Company "KAZGIDEK", Almaty, Kazakhstan; Aurelie Alis, Salybekova V.; Skorintseva I. B. <i>"The Pritashkentky cross-border water bearing horizon in Central Asia (research on the GGRETA project)"</i>.</p> <p>2. Martina Barandun, Tomas Saks, University of Fribourg. <i>"Re-establishing of long-term glacier monitoring as an important baseline of hydrological predictions and capacity building in Kyrgyzstan and Uzbekistan"</i>.</p> <p>3. Suren Gevinian, Consultant, UNESCO, France. <i>"Benefits based cooperation"</i>.</p> <p>4. Normatov Ying Sherovich, member correspondent of Academy of Sciences of the Republic of Tajikistan, doctor of science, professor, R. Armstrong, University Colorado, Markayev B. And., Normatov P. I. Dushanbe, Tajikistan. <i>"Interstate water resource risk management: towards a sustainable future for transboundary river basins of Central Asia"</i>.</p> <p>5. Sharipov Said Akhmadovich, master, expert, regional ecological center of Central Asia, Almaty, Kazakhstan. <i>"Central Asian bilateral and multilateral agreements on water management"</i>.</p> <p>6. Alfred Diebold, Kristine Tovmasyan, UNESCO Almaty office. Almaty, Kazakhstan. <i>"Pathways to cooperation on transboundary waters: experiences in Central Asia"</i>.</p> <p>7. Kalinin Mikhail Yuryevich, doctor of engineering sciences, professor, Association of keepers of the rivers. Minsk, Belarus. <i>"Contribution of Belarus to the international decade "Water for life"."</i></p>

	8. Skorintseva Irina Borisovna , doctor of geographical sciences, associate professor, head of laboratory of landscape and problems of environmental management, Institute of geography, expert of UNESCO. <i>"Gender aspects in a control system of cross-border underground waters (the Pritashkentsky cross-border water bearing horizon: Kazakhstan and Uzbekistan)"</i> .
16.00-16.30	Coffee-break
16.30-18.00	<p>Plenary session</p> <p>Moderators: Nysanbayev Erlan Nuraliyevich- vice-minister of the Ministry of Agriculture of the Republic of Kazakhstan, Medeu Akhmetkal Rakhmetullayevich-director of Institute of Geography, Kazakhstan Toleubayeva Lidiya Sergaziyevna- Secretary of a meeting. Institute of Geography, Kazakhstan</p> <p>Summing up conference. Adoption of the resolution</p>

BENCH REPORTS

(Foyer of the House of Friendship, 2nd floor)

1. **Gotovtsev Alexey Vasilyevich**, candidate of geologo-mineralogical sciences, senior researcher, Institute of water problems of Russian Academy of Sciences, Moscow, Russia. Azimov A. A., Nurseitov D. B., Dzhamalov D. K. Kazakh National Research Technical University named after K.I.Satpayev, Almaty, Kazakhstan. The numerical solution of the inverse task for a loop system of Streeter-Phelps for the arbitriest periods of an incubation.

2. **Bezmaternykh Dmitry Mikhaylovich**, deputy director for scientific work, candidate of biological sciences, associate professor. Kirillov V. V., Puzanov A. V., Alekseev I. A., Vdovina O. N. Institute of water and environmental problems of the Siberian Branch of the Russian Academy of Science, Barnaul, Russia. Assessment of ecological condition of water currents of the positional area of the "Vostochnyi" spaceport as basis of creation of system of its environmental monitoring.

3. **Serikbayev Bakir Serikbayevich**, doctor of engineering sciences, professor, Akhmedzhonov D. G, Madaminova Z., Ubaydillayev A. N., Tashkent institute of an irrigation and melioration, Butayorov A., TERGU. Tashkent, Uzbekistan. Water recirculation - a major factor of water conservation in shallow years.

4. **Abdullaev Botirzhon Dadazhonovich**, candidate of geologo-mineralogical sciences, director of Institute of hydrogeology and engineering geology, Mavlonov A. A. Tashkent, Uzbekistan. A role of science in solution of hydrogeological, engineering-geological and geocological tasks.

5. **Kristine Tovmasyan, Vera Mustafina, Marina Vorobjova, Natalya Kim**, UNESCO Almaty office. Almaty, Kazakhstan. Education as a tool on promoting water resources management and cooperation.

6. **Mukhamedzhanov Murat Abikenovich**, doctor of geologo-mineralogical sciences, the member correspondent National Academy of Sciences of RK, Arystanbayev Ya. U., Bekzhigitova D. N., Iskakov N. K., Kazanbayeva L. M., Absemetova A. E., PLC “Institute of Hydrogeology and Geoecology named after U. M. Akhmedsafin”, Almaty, Kazakhstan. Underground waters of the arid regions of Kazakhstan, their use in the conditions of climate change and body height of water consumption.

7. **Shakibayev Ilan Isataevich**, doctor of engineering sciences, head of RSI "Zonal hydrogeological-reclamation center" State Inspection Committee in the agricultural sector of the Ministry of Agriculture of the Republic of Kazakhstan, Almaty, Kazakhstan. Information support of monitoring of reflux lands of Almaty region with application of GIS-technologies.

8. **Galayeva Anastasia Vladimirovna**, senior researcher, RSE "Kazgidromet", Ivkina N. I., Almaty, Kazakhstan. To a question of application of the spectral wave SWAN model for wave forecast on the Caspian Sea.

9. **Dzhamalov Jalal Kudratovich**, PhD doctoral candidate, researcher, Kazakh National Research Technical University named after K.I.Satpayev, Gotovtsev A. V., Nurseitov D. B., Azimov A. A., Almaty, Kazakhstan. Assessment of assimilatory ability of the Kazakhstan part of a river basin Ili by means of the WPI-RQC model.

10. **Amirgaliyev Nariman Amirgaliyevich**, doctor of geographical sciences, chief researcher, professor, PLC “Institute of Geography”, Ismukhanova L. T., Almaty, Kazakhstan. Accumulation of heavy metals in ground deposits of the Kapshagay reservoir on the river Ili.

11. **Tursunova Aysulu Alashevna**, candidate of geographical sciences, acting head of the department of water resources , PLC “Institute of Geography”, Alimkulov S. K., Birimbayeva L. M, Talipov E. K., Almaty, Kazakhstan. The modern water mode of the rivers of the Ile-Balkash basin taking into account climate change.

12. **Myrzakhmetov Akhan Bakytovich**, doctor of PhD, senior researcher, PLC “Institute of Geography”, Dostay Zh.D., Alimkulov S. K., Saparova A. A., Baspakova G. R., Almaty, Kazakhstan. Assessment of renewable water resources of the Kazakhstan part of a river basin of Syrdariya.

13. **Poryadin Victor Ivanovich**, doctor of geologo-mineralogical sciences, chief researcher, PLC “Institute of hydrogeology and geoecology named after U. M. Akhmedsafin”, Adenova D.K. Almaty, Kazakhstan. Changes of water and resource potential of a subsoil of the southeast of Kazakhstan under the influence of global climatic transformation of a water and glacial drain.

14. **Kulebayev Kayrat Muratovich**, applicant of degree of PhD, researcher, Dostay Zh.D., Birimbayeva L.M., PLC “Institute of Geography”, Almaty, Kazakhstan. Influence of economic activity on a river drain in a river basin of Shu.

15. **Burlibayev Malik Zholdasovich**, doctor of geographical sciences, deputy general director for scientific work, Shaymakhanova A. B. Zhiyembayev Zh. With, Kaydarova R. K., Kazakhstan Agency of Applied Ecology, Almaty, Kazakhstan. About new instruments of water resources management in Kazakhstan.

16. **Rau Alexey Grigoryevich**, doctor of engineering sciences, professor, academician of National Academy of Sciences of RK, Director of “Scientific Research Institute of Water problems and Land Melioration” at KAZNAU, National Academy of Education Kazakh

National Agrarian University (KAZNAU), Almaty, Kazakhstan. Productions of rice on the salted lands in SyrDarya basin.

17. **Zaurbek Auelbek Karibaiuly**, doctor of engineering sciences, professor, Eurasian national university named after L. N. Gumilev Atshabarov N. B., Association of water management, Astana, Kazakhstan. Hydrological and water management bases economically optimum and ecological the safe level of water use in Syrdariya river basin.

18. **Ashiryaev Klim Shafkatovich**, candidate of engineering sciences, the associate professor, senior researcher, Kazakh National Research Technical University named after K. I. Satpayev, Almaty, Kazakhstan. About scientific approach to rationing of water consumption and water disposal in the industry.

19. **Karlykhanov Orazkhan Karlykhanovich**, Academician of Academy of Agricultural Sciences of the Republic of Kazakhstan, doctor of engineering sciences, head of the department "Water resources management" of Kazakh Scientific Research Institute of Water Economy (SRIWE), Taraz, Kazakhstan, Zhakashov A. M., Bakbergenov N. N., Imanaliyev T. K., Tazhiyeva T. Ch., Taraz, Kazakhstan. Results of development of a level sensor of water with the software and distance steering.

20. **Vitkovskaya Madina Zhanayevna**, candidate of engineering sciences, leading researcher, JSC "National Center of Space Researches and Technologies", Batyrbayeva M. Zh., Muratova N. R., Spivak L. F., K. U. Alibayev K. U., S. G. Moldazhanov S. G., Almaty, Kazakhstan. Results of space monitoring of system of reservoirs on inflows of Ili river in the territory of China.

21. **Erikuly Zhayyk**, doctor PhD, unit manager of a normative methodological support, RSI "Zonal hydrogeological-reclamation center" State Inspection Committee in the agricultural sector of the Ministry of Agriculture of the Republic of Kazakhstan, Almaty, Kazakhstan. Application of methods of mathematical model operation at prediction of water inflows to a pit (the Aktogay copper-ore field).

22. **Terekhov Alexey Gennadevich**, candidate of engineering sciences, leading researcher, RSE "Kazgidromet", Dolgih S. A., Almaty, Kazakhstan. Experience of diagnostics of a water discharge in the rivers of midlands on the example of the main inflows of river Il in the Chinese sector of the pool.

23. **Tsychuyeva Natalya Yuryevna**, candidate of geographical sciences, leading researcher, JSC "National Center of Space Researches and Technologies", Malakhov D. V., Almaty, Kazakhstan. A technique of detecting of reflux lands with use of satellite data and GIS.

24. **Shenberger Igor Viktorovich**, master of hydrology, head of group of assessment of water resources and quality standards of the surface water of Kazakhstan Agency of Applied Ecology, Almaty, Kazakhstan. Bases of creation of a geospace information system on the extreme hydrological phenomena.

25. **Dostay Zhakypbay Dostayuly**, doctor of geographical sciences, professor, head of the department of water resources of PLC "Institute of Geography", Dostayeva A. D., Almaty, Kazakhstan. Resources of river runoff of Kazakhstan.

26. **Zhakashov Aydos Maratbekovich**, master, researcher, "Water resources management" of Kazakh Scientific Research Institute of Water Economy (SRIWE), Taraz, Kazakhstan ,

Karlykhanov O. K. Watering of pastures of Betpakdala, taking into account an arid climate in Zhambyl region.

27. **Madibekov Azamat Sansyzbayevich**, candidate of geographical sciences, head of the department of hydrochemistry and ecological toxicology, PLC “Institute of Geography”. Musakulkyza A., Almaty, Kazakhstan.

28. **Saduokasova Marzhan Temirlanovna**, master of natural sciences, senior researcher, RSE “Kazgidromet”, Golubtsov V. V., Kishkimbayeva A. A., Almaty, Kazakhstan. Research of elements of water balance of lakes of the Shchuchinsk-Borovoe resort area.

29. **Tverdovskiy Alexander Ivanovich**, head of department of Scheme of complex use and protection of water resources (SKIOVR), “Institute Kazgiprovodkhoz”, Orazov E. T., Almaty, Kazakhstan. Problems of preservation of the lake Balkash.

30. **Baysholanov Saken Sovetovich**, candidate of geographical sciences, senior researcher, Zhusupov R. B., Chernov D. A., Zhakiyeva A. R., Turkestanov E. M., PLC “Institute of Geography” Branch, Astana, Kazakhstan. Moisture security of the territory of Pavlodar region during the vegetative period.

31. **Piven Elena Nikolayevna**, candidate of geographical sciences, leading researcher, PLC “Institute of Geography”, Almaty, Kazakhstan. Assessment of possible deficiency of river runoff of Ile-Balkash region of the freezing caused by degradation.

32. **Kishkimbayeva A. A., Smirnova E. E., Bolatova A. A.**, RSE “Kazgidromet”, Almaty, Kazakhstan. Definition of a tendency of change of Sharyn river runoff on prospect under the influence of climate.

33. **Burlibayeva Diana Malikovna**, applicant of degree of PhD, researcher, PLC “Institute of Geography”, Almaty, Kazakhstan. The hydrological mode of river Ili in the conditions of anthropogenous influence.

34. **Mustafayev Zhumakhan Suleymenovich**, doctor of engineering sciences, professor, Kozykееva A. T., Zhanymkhan K., National Academy of Education (NAE) Kazakh National Agrarian University (KazNAU), Almaty, Kazakhstan. Technique of definition of ecologically maximum-permissible impact on the small rivers.

35. **Petrakov Igor Alekseevich**, independent expert in water law and Integrated Water Resources Management of Central Asian countries, Almaty, Kazakhstan. Statutory bases of advance of water sector to green economy.

36. **Davletkaliyev Saken Kalamkaliyevich**, doctor of geographical sciences, professor, Al-Farabi Kazakh National University, Almaty, Kazakhstan. The forecast of a hydrographer of Ural river runoff – the village of Kushum on the basis of simulated.

37. **Zubairov Orakhbay Zubairovich**, doctor of agricultural sciences, professor, Zhaylaubayeva M. M., Anuarbekov K.K., National Academy of Education (NAE) Kazakh National Agrarian University (KazNAU), Almaty, Kazakhstan. The research of drip irrigation mode.

38. **Moldakhmetov Marat Moldabekovich**, candidate of geographical sciences, associate professor, deputy professor, Makhmudova L. K., Taraz Innovative Humanities University

(TIHU), Taraz, Kazakhstan. Fluctuations in the long-term mode of the rivers feeding lakes in the Turgai state reserve.

39. **Bekbayev Rakhym Kyzdashevich**, doctor of geographical sciences, professor, head of the department, Kazakh Scientific Research Institute of Water Economy (SRIWE), Taraz, Kazakhstan. Influence of mineralization of collector and drainage waters on a share of their participation in irrigating norm.

40. **Gumarova Tursyngul Akhmedyarovna**, candidate of economic sciences, associate professor "Technology and ecology", University Narkhoz, Almaty, Kazakhstan. Analysis of a current state of regions of Kazakhstan of the basin of the Aral Sea.

41. **Medeu Akhmetkal Rakhmetullayevich**, Skorintseva I. B., Basova T. A., PLC "Institute of Geography", Almaty, Kazakhstan. . Water security of agriculture of Kazakhstan in the context of food security.

42. **Geldyeva Galina Viktorovna**, doctor of geographical sciences, professor, leading researcher, PLC "Institute of Geography", Nadyrov Sh. M., Zapparov M. R., Al-Farabi Kazakh National University, Kazakh National Research Technical University named after K.I. Satpayev, Almaty, Kazakhstan. Geopolitical factors of transformation of landscapes of the Republic of Kazakhstan in the conditions of territorial redistribution of water resources.

43. **Naurozbayeva Zhanar Kuanyshevna**, master, leading engineer, Ivkina N. I., Sairov S.B., RGP of Kazgidromet, Almaty, Kazakhstan. Extremely cold winter periods on the Kazakhstan part of the Caspian Sea for the last decades.

44. **Blagoveschenskiy Victor Petrovich**, doctor of geographical sciences, head of the department of natural hazards, Medeu A. R., Kirenskaya T. L., PLC "Institute of Geography", Almaty, Kazakhstan. Mudflows in Ile-Alatau mountains for the last 25 years.

45. **Anzelm Karl Albertovich**, candidate of chemical sciences, head of establishment "Southern Kazakhstan gidrogeological-meliorative expedition" of Committee on water resources of the Ministry of Agriculture of the Republic of Kazakhstan, Yesanbekov M. Yu., Shymkent, Kazakhstan. Influence of the mode of ground waters on a meliorative condition of reflux lands.

46. **Sergaliyev Nurlan Habibullovich**, candidate of biological sciences, the associated professor. The rector of the NAE "The West Kazakhstan agrarian and technical university of Zhangir khan", Akhmedenov K. M., Abisheva S. H., Gavrulina I. I., Uralsk, Kazakhstan. Analysis of data on hydrochemical and toxicological indexes of the river Zhayyk in West-Kazakhstan and Aktyubinsk regions.

47. **Akhmedenov Kazhmurat Maksutovich**, candidate of geographical sciences, the associated professor, the director of research institute of biotechnology and environmental management of the NEO "West Kazakhstan Agro-Technical University named after Zhangir khan", Abisheva S. H., Gavrulina I. I., Uralsk, Kazakhstan. The analysis of problems of cross-border transfer of pollutants in Zhayyk river basin..

48. **Akhmedenov Kazhmurat Maksutovich**, candidate of geographical sciences, the associated professor the director of research institute of biotechnology and environmental management of the NAO "West Kazakhstan Agro-Technical University named after Zhangir khan", Kayirgaliyeva G.Z., Uralsk, Kazakhstan. Analysis of data on hydro-chemical and toxicological indicators springs Aktobe and Atyrau regions.

49. **Bekniyaz Bolat, Kenshimov Amirkhan**, International Fund for Saving the Aral Sea (IFAS), Executive Board of the RK. Information about the activities of the executive board of the international fund for saving the Aral sea in Kazakhstan (EB IFAS) in 2015.

50. **Bekturganov N.S., Akiyanova F.Z., Arykbayeva Z.K., Togzhanov O.A.** Kazakhstan National Academy of Natural Sciences Branch of PLC "Institute of geography". Management of natural resources and regulation of wildlife management of Mangystau region. The quality of domestic and drinking purposes water along the affected area of Eurasian transit through the territory of Kazakhstan.

51. **Kepbanov Yolbars Azhdarovich**, candidate of juridical sciences, scientific information center of the Interstate Commission on Sustainable Development of International Fund for Saving the Aral Sea (IFAS), Korpeev N. R. Ashgabat, Turkmenistan. Legislative and institutional development of water sector of Turkmenistan.

52. **Isamukhamedov Timur Aleksandrovich**, leading expert of department of perspective projection of water management objects of PLC "UZGIP". Water resources management in Uzbekistan: principles, methods, results.

53. **Kozhobayev Kanatbek Asekovich**, doctor of engineering, Asanova A. K., Otorova S. T., Kyrgyz-Turkish university of Manas, Bishkek. Kyrgyzstan. Results of a research of influence of sewage Naryn on quality of the Naryn River.

54. **Sherov Anwar Gulamovich**, candidate of chemical sciences, associate professor of "Operation of hydromeliorative works", Tashkent institute of an irrigation and melioration (TIIM), Tashkent, Uzbekistan. The water account in small channels.

September 23. Departure of participants according to the schedule of an arrival-departure