

# Workshop on Climate and Water Law and Governance in Central Asia and Afghanistan

24-26 September, 2018

**Venue:** German-Kazakh University (DKU), room 27, 111 Pushkin str., Almaty, Kazakhstan

**Description:** The 2030 Agenda with its 17 Sustainable Development Goals (SDGs), which governments of Central Asia agreed in September 2015, recognizes that climate change is “one of the greatest challenges of our time” and voices concern about “its adverse impacts undermine the ability of all countries to achieve sustainable development.” In order to address this challenge and ensure appropriate actions on political level in Central Asia it is important to train future decision-makers and to demonstrate them advanced practices of climate change adaptation and consequences mitigation measures. Public awareness raising is important for involving civil society into the climate change related activities, thus one of the workshop objectives would be aimed at wide dissemination of the climate-related information. The 3 days long project will consist of training for young civil servants from water related agencies from Central Asian states, including close interaction with civil society representatives. The training will be conducted in synergy with CAREC’s Central Asian Leadership Programme on Environment for Sustainable Development.



## Organizers:

German-Kazakh University  
[www.dku.kz](http://www.dku.kz)



The Central Asian Regional Environment Centre (CAREC)  
[www.carececo.org](http://www.carececo.org)

## Supported by:

Federal Foreign Office (Auswärtiges Amt)  
[www.auswaertiges-amt.de](http://www.auswaertiges-amt.de)



The United Nations Educational, Scientific and Cultural Organization Commission for Europe (UNESCO)  
[www.unesco.org](http://www.unesco.org)

OSCE Programme Office Astana,  
OSCE Centre in Ashgabat,  
OSCE Project Co-ordinator in Uzbekistan,  
[www.osce.org](http://www.osce.org)

## In cooperation with:

The Ministry of Foreign Affairs Republic of Kazakhstan  
[www.mfa.gov.kz](http://www.mfa.gov.kz)



The Groundwater Resources Governance in Transboundary Aquifers (GGRETA)  
[www.un-igrac.org/special-project/ggreta](http://www.un-igrac.org/special-project/ggreta)



Freie Universität Berlin  
[www.fu-berlin.de](http://www.fu-berlin.de)



Deutscher Akademischer Austauschdienst,  
German Academic Exchange Service  
<http://www.daad.kz>



## Regional experts



**VADIM NI**  
**Kazakhstan**

Has two university degrees (one in chemistry and a second in law). The professional experience includes more than 20 years of work in the area of environmental protection. Began working as an environmental legal expert in 1997, while still carrying out the legal studies. Worked as freelance legal consultant for UNECE, UNDP, UNESCO, USAID, OSCE, World Bank, EBRD, OECD, Ministry of Environmental Protection of Kazakhstan. Worked as a international consultant in Azerbaijan, Belarus, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan. The main areas of professional experience are environmental, climate change and water law. In close cooperation with the public administration have drafted legislation for four of the five Central Asian countries, including chapters on river basin management of the Water Code and the chapters of Environmental Code on emission trading scheme, climate adaptation and public participation in Kazakhstan and many secondary regulations. Vadim Ni participated as co-author in preparation of numerous guidance documents on the Aarhus Convention, national environmental law, basin water management, ecotourism, including Russian proofreading of the second edition of the Aarhus Convention Implementation Guide (UNECE, 2015) and preparation of the Aarhus Centres Guidelines (Office of the Co-ordinator of OSCE Economic and Environmental Activities, OSCE Secretariat).



**ARSLAN BERDIYEV**  
**Turkmenistan**

Arslam Berdiyev has a degree from Turkmen Agriculture Institute, Ashgabat, Turkmenistan, Hydraulic and civil engineer.  
Mr. Arslan Berdiyev is well known expert and used to be National coordinator of National Policy Dialogue (NPD) on integrated water resource management (IWRM) in Turkmenistan.  
Job description: Independent expert on water, sanitation, environmental and health issues.  
Subjects of contracts: Preparation of the overviews on above mentioned issues including analysis and interpretation of legislation of EU, FAO and WHO recommendations and guidelines, as well as development of the project proposals for donor funding.



**DR. MAXIM PETROV**  
**Uzbekistan**



Dr. Maxim Petrov, PhD on geology, Chief of Glacial Geology Department, Institute of Geology and Geophysics named after H.M. Abdullaev.

Maxim Petrov graduated from Tashkent State University, geographical faculty in 1984 and got a PhD degree (Glaciology, glacial geomorphology) in 2003.

He attended Training course ITEC SKAAP on computer technologies in NIIT, India and Alexander von Humboldt Training Workshop in GIS organized by Institute of Environmental System Research University of Osnabrueck, Germany.

He was involved in NATO, INTAS and DEFenCC projects and participated in a lot of international and regional conferences.

Dr. Maxim Petrov published 1 book (monogrofy) and about 40 scientific papers in refereed journals of Uzbekistan and Russia (mainly in Geological Journal, SANIGMI proceedings, Tashkent and Data of Glaciological Studies, Moscow) and also in refereed foreign journals (J. Quaternary International, Zeitschrift fur Geomorphologie, Journal of Marine system and etc) dealing with glaciology, glacial geomorphology, mountain hydrology and Pleistocene geochronology.

Main specialty: Glacial geomorphology, glaciology, applied GIS - technology

**FARKHOD ABDURAKHMONOV**  
**Tajikistan**



More than fifteen years of local and international experience in United Nations, OSCE and CAREC in water and environmental program management, policy development, and resource mobilization. Posses Master Degree in Integrated Water Resource Management and has practical background in International Water Law.

Farkhod served as Environmental Advisor to the UN Economic Commission for Europe, the Secretariat of Water Convention in Geneva.

Since 2016 joined CAREC in Tajikistan as Country Director and later in the beginning of 2018 leads the Water Initiatives Support Program in Almaty, Kazakhstan.

Served as a guest lecturer in the OSCE Academy in Bishkek, Kazakh – German University in Almaty and Tajik-Russian Slavonic University in Dushanbe. PhD candidate in water governance and political studies at East Mediterranean University.



**AHMAD WAIS BASIRI**  
**Afghanistan**



Mr. Basiri has Bachelor degree in Civil Engineering from Herat University (Afghanistan) and Master degree in Water Engineering and Management from Asian Institute of Technology (Thailand).

Mr. Basiri attended a lot of trainings and workshops organized by USAID, World Bank, CAREC, FAO, World Vision and ARQ, NCB Institute, Boston Massachusetts MIT and etc.

Mr. Basiri started his career as junior engineer at the Herat Urban Development Department and soon become the Head of the Hydrology Department in Water Management Department Company and Senior Monitoring Engineer in UNOP. After that he had an experience to become a Team Leader and Project Manager in different companies. All of this experience in different fields allowed him to become Water Resource Expert and Transboundary Water Advisor in the Ministry of Energy and Water (MEW) of Afghanistan.

**OLGA KALASHNIKOVA**  
**Kyrgyzstan**



Mrs. Olga kalashnikova graduated from Kyrgyz National University, Geographic Faculty in 1994 and BHU Graduate School in 2015. She has Ph.D. as Volkswagen Foundation student.

Main research area: Analysis of changes in river flow, the impact of climate change on river flow, calculation of glacial and snow melt supply of the rivers of Kyrgyzstan and Central Asia. Preparation of methods of hydrological forecasts, their introduction into the system of operational hydrological forecasting of Kyrgyzhydromet. Are responsible for the implementation of the Agreement on scientific cooperation in the field of

seasonal prediction of hydrological drought and runoff rivers signed between the Kyrgyzhydromet, the German Center for the Study of the Earth in Potsdam (GFZ), CAIAG. Within the framework of CAWA (water in Central Asia) and GlaSCA projects, I conduct research in the field of hydrology, calculation of river flow components and their changes in the past and future.

In March 2013. developed and implemented in the system of operational hydrological forecasting technique of long-term forecast of river flow of Kyrgyzstan on the basis of satellite data on snow cover. The results of calculations by the developed technique are transmitted to the MES, the Department of water hozaistva, Ministry of Energy of KR, Government of KR and others interested organizations.

Mrs. Olga kalashnikova participated in the international project funded by UNDP, World Bank and etc.



## AGENDA OF THE WORKSHOP

### Day 1, Monday, 24 September

8:30-9:00	Registration
09:00-9:30	<b>OPENING (Moderator: Dr. iur. Barbara Janusz-Pawletta)</b>  <b>Prof. Dr. Olga Moskovchenko</b> Rector, German-Kazakh University (GKU)  <b>Jörn Rosenberg</b> General Consul, German Consulate General in Almaty  <b>Mrs. Saule Jakupova</b> Agency of MIA of the Republic of Kazakhstan in Almaty  <b>Mr. Rati Japaridze</b> Economic and Environmental Officer at the OSCE Programme Office in Astana  <b>Dr. Tatyana Shakirova</b> Programm manager of Education For Sustainable Development Program, Central Asian Regional Environment Centre (CAREC)
<b>SESSION 1: CLIMATE CHANGE AND WATER LAW – GLOBAL</b> <b>Moderator: Abbas Ofarinov</b>	
9:30-10:00	Global Policy Framework on Climate Change <b>Prof. Dr. Lutz Mez</b> <i>Freie Universität Berlin</i>
10:00-10:30	Paris Agreement as current Guiding Legal Frameworks to tackle for Climate Action Change <b>Prof. Dr. Marie-Claire Cordonier Segger</b> <i>uWaterloo, Senior Director, CISDL&amp;Fellow, University of Cambridge</i>
10:30-11:00	Vanishing Water Towers - Climate Impact on Water Resources in Central Asia <b>Prof. Dr. Tilman Rost</b> <i>Freie Universität Berlin</i>
11:00 – 11:30	Coffee-break
<b>SESSION 2: NATIONAL POLICY STRATEGY TO APPROACH THE PARIS AGREEMENT</b> <b>Moderator: Prof. Dr. Lutz Mez</b>	
11:30-11:45	Climate Change and Water Law in Afghanistan <b>Mr. Ahmad Wais Basiri</b> <i>Adviser to the Ministry of Energy and Water and Head of National Climate Change Committee- Afghanistan</i>
11:45-12:00	Climate Change and Water Law in Kyrgyzstan <b>Mrs. Olga Kalashnikova</b> <i>Central-Asian Institute for Applied Geosciences (CAIAG), Department of Climate, Water and Natural Resources</i>
12:00-12:15	Climate Change and Water Law in Tajikistan <b>Mr. Farkhod Abdurakhmonov</b> <i>Central Asian Regional Environment Centre (CAREC)</i>
12:15-13:00	<b>Group discussion</b> Upstream Countries Perspectives in Climate and Water National Strategies
13:00 – 14:00	Lunch



**SESSION 2: NATIONAL POLICY STRATEGY TO APPROACH THE PARIS AGREEMENT (CONTINUE)****Moderator: Prof. Dr. Marie-Claire Cordonier Segger**

<b>14:00 – 14:20</b>	Climate Change and Water Law in Kazakhstan <b>Mr. Vadim Ni</b> <i>Head of the Coordinational Council of “EcoForum Kazakhstan”</i>
<b>14:20-14:40</b>	Climate Change and Water Law in Turkmenistan <b>Mr. Arslan Berdiyev</b> <i>Independent Expert on Water, Sanitation and Environment, Turkmenistan</i>
<b>14:40-15:00</b>	Implementation of the Paris Agreement in Uzbekistan. (Adaptation Measures to Climate Change) <b>Mr. Maxim Petrov</b> <i>Institute of Geology and Geophysics named after H.M. Abdullaev</i>
<b>15:00-15:45</b>	<b>Group discussion</b> Downstream Countries Countries Prospectives in Climate and Water National Strategies
<b>15:45 –16:15</b>	Coffee-break

**SESSION 3: CLIMATE CHANGE AND WATER LAW IN THE REGIONAL CONTEXT OF CENTRAL ASIA****Moderator: Larissa Kogutenko**

<b>16:15-16:45</b>	Legal Frameworks for Strengthening Private and Public Engagement in Climate Adaptation for Sustainable Development <b>Prof. Dr. Marie Claire Cordonier Segger/</b> <i>Senior Director, CISDL &amp; Professor, uWaterloo</i>
<b>16:45-18:00</b>	<b>Group Discussion, Interactive Game “World Café”</b> Regional Adaptation and Mitigation to Climate Change in Water Sector States of Central Asia
<b>18:30</b>	Welcome dinner

**Day 2, Tuesday, 25 September****SESSION 4: CLIMATE CHANGE, MITIGATION AND ADAPTATION– GLOBAL BEST PRACTICES****Moderator: Prof. Dr. Tilman Rost**

<b>9:00-10:00</b>	Water law and Climate change – A Comparative Overview of Responses, with a Focus on Groundwater. <b>Dr. Stefano Burchi</b> <i>UNESCO Expert and Executive Chairman of International Association for Water Law</i>
<b>10:00-10:30</b>	Legal Innovations in Highly Climate Vulnerable Countries for Climate Resilience & Food Security <b>Mr. Maitre Hafij Khan (Online Session)</b> <i>Director, Centre for Climate Justice Bangladesh &amp; Fellow, CISDL</i>
<b>10:30-10:45</b>	Experience and prospects for the implementation of the actual projects and programs in the Kazakhstan part of the Aral Sea area <b>Mr. Marat Narbayev</b> <i>International Fund for Saving the Aral Sea in the Republic of Kazakhstan</i>
<b>10:45-11:15</b>	Coffee break



## SESSION 5: CLIMATE CHANGE, MITIGATION AND ADAPTATION – IN THE REGIONAL CONTEXT OF CENTRAL ASIA

Moderator: Dr Stefano Burchi

11:15-11:30	Climate – Water – Food security: Nexus Presentations from Afghanistan <b>Mr. Ahmad Wais Basiri</b> <i>Adviser to the Ministry of Energy and Water and Head of National Climate Change Committee- Afghanistan</i>
11:30-11:45	Climate – Water – Food security: Nexus. Presentations from Kazakhstan <b>Mr. Vadim Ni</b> <i>Head of the coordinational council of “EcoForum Kazakhstan”</i>
11:45-12:00	Climate change, mitigation and adaptation in Kyrgyzstan <b>Mrs. Olga Kalashnikova</b> <i>Central-Asian Institute for Applied Geosciences (CAIAG), Department of Climate, Water and Natural Resources</i>
12:00-12:15	Climate – Water – Food security: Nexus. Presentations from Tadjikistan <b>Mr. Farkhod Abdurakhmonov</b> <i>Central Asian Regional Environment Centre (CAREC)</i>
12:15-12:30	Climate – Water – Food security: Nexus Presentations from Turkmenistan <b>Mr. Arslan Berdiyev</b> <i>Independent expert on water, sanitation and environment, Turkmenistan</i>
12:30-12:45	CATCOS-2 - CICADA programmes realization in Uzbekistan (Diary of Barkrak glacier expeditions) <b>Mr. Maxim Petrov</b> <i>Institute of Geology and Geophysics named after H.M. Abdullaev</i>
12:30-13:00	<b>Group Discussion</b> Food Security - Climate Change and Water in Central Asia
13:00-14:00	Lunch

## SESSION 6: CLIMATE FINANCING AND INVESTMENT

Moderator: Prof. Dr. Lutz Mez

14:00-14:30	Fostering Climate Investments through Legal and Governance mechanisms <b>Dr. Markus Gehring (Online Session)</b> <i>Lead Counsel, CISDL &amp; Director of Studies, University of Cambridge</i>
14:30 - 15:00	Challenges to Financing and Investment of Climate Related Action and Implementation of the Paris Agreement in Kazakhstan <b>Ms. Ayzhan Mamedalieva</b> <i>Department of climate change, Ministry of Energy of the Republic of Kazakhstan</i>
15:00-15:30	GHG Emissions Reduction Policy and Domestic Emission Trading System of the Republic of Kazakhstan as Part to Implement the Paris Agreement <b>Mrs. Gulmira Sergazina</b> <i>Deputy General Director, “Zhasyl Damu” JSC</i>
15:30-16:00	Coffee-break

## SESSION 7: LOCAL CHALLENGES TO FINANCING AND INVESTMENT OF CLIMATE RELATED ACTION

Moderator: Dr. iur. Barbara Janusz-Pawletta

16:00-17:30	<b>Group discussion (SWOT analysis) and presentations from groups</b> Assessment of National Challenges to Implement Paris Agreement
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## Day 3, Wednesday, 26 September

### SESSION 8: CLIMATE CHANGE AND OPEN GOVERNANCE

Moderator: Prof.Dr. Tilman Rost

9:00–9:30	Strengthening the Paris Agreement through Innovation in Open Governance <b>Dr. Markus Gehring (Online Session)</b> Lead Counsel, CISDL & Director of Studies, University of Cambridge
9:30-10:00	International Climate Policy and Role of Non - State Actors <b>Prof. Dr. Lutz Mez</b> <i>Freie Universität Berlin</i>
10:00-10:20	Climate Change Adaptation and Loss and Damage under UNFCCC <b>Dr. Andre Wehrli</b> <i>Regional Water Advisor – Swiss Embassy in Kazakhstan</i>
10:20-10:30	<b>Group discussion</b> Climate Change and Open Governance
10:30 – 11:00	Coffee-break
11:00-12:00	<b>Group discussion, Interactive Game “Six Huts” (Moderators: Mr. Sergey Aleksuk, Ms. Zhansaya Nakimzhanova, Mr. Sergei Kuratov, Ms. Nataliya Anisimova)</b> Local Challenges to Financing and Investment of Climate Related Action
12:00 – 12:30	<b>CERTIFICATIONS AWARD CEREMONY</b>
12:30	Lunch

