



Central Asia Climate and Water Research Workshop

Date&Time: 11 December 2024, 09:00 – 18:00

Venue: GFZ, Telegrafenberg, Building H, 14473 Potsdam

Program

8:30 - 9:00	Registration	
9:00 - 9:10	Opening and Introduction (GFZ, PIK, HU, UP)	
Session I	Climate Change and Water Security in Central Asia	
9:10 – 9:35	Prof. Björn Klöve Keynote <i>Analysis of climate, water and energy systems for transboundary river basins management in Central Asia</i>	Head of the unit Water Resources Engineering, Faculty of Technology, Oulu University, Finland
9:35 – 9:50	Dr. Abror Gafurov <i>Climate impact on water resources in Central Asia: observations and consequences</i>	Central Asia Group Lead, GFZ German Research Center for Geosciences, Potsdam, Germany
9:50 – 10:05	Prof. Abdulkhakim Salokhiddinov <i>Assessment of changes in climate parameters in Central Asia and Uzbekistan</i>	Vice-Rector, Tashkent Institute of Irrigation and Agricultural Mechanization, National Research University (TIIAME), Uzbekistan
10:05 – 10:20	Dr. Iulii Didovets <i>ClimateImpactsOnline: Visualizing Climate Futures for Central Asia and Beyond</i>	Potsdam Institute for Climate Impact Research (PIK), Germany
10:30 – 11:00	Coffee break and networking	

Session II Human security and socio-economic aspects of water and climate change in Central Asia

11:00 – 11:25	Dr. Damir Esenaliev Keynote <i>Addressing Horizontal Inequalities and Promoting Social Cohesion in Kyrgyzstan: Lessons from Three Studies</i>	Leibniz Institute of Vegetable and Ornamental Crops (IGZ)
11:25 – 11:40	Ms. Nafisa Mirzoramshadzoda <i>Water scarcity and farmers' arrangements in the downstream systems of the Fergana Valley</i>	HNEE – Eberswalde University for Sustainable Development
11:40 – 11:55	Ms. Stefanie Wesch <i>Climate Change as a Threat Multiplier in the Pamirs</i>	Potsdam Institute for Climate Impact Research (PIK), Germany
11:55 – 12:10	Dr. Ihtiyor Bobojonov <i>Role of financial tools to reduce drought volatility in Central Asia</i>	Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Halle, Germany
12:10 – 12:25	Prof. Hester Biemans <i>The Third Pole's value for food</i>	Special Professor on Water and Crop Production at Wageningen University & Research

12:30 - 13:30 Lunch break and networking

Session III PICO Session (3 min presentations)

13:30 – 14:30

1.	Ms. Sylvia Pinkerneil	<i>Monitoring of stable isotopes in precipitation of the Kyrgyz mountain region</i>	Geomorphology Section, GFZ Potsdam
2.	Dr. Svetlana Botsyun	<i>Precipitation and stable water isotope seasonality of the Tibetan Plateau and Central Asia in cold and warm climates during the Late Cenozoic</i>	Planetary Boundary Science (PBScience) project, PIK
3.	Ms. Susan Legro	<i>Identification and Assessment of Climate Change Adaptation Measures at the Community Level in Central Asia</i>	Independent Scholar/ Editor, CAJSCR

4.	Dr. Milena Latinovic	<i>Remote Sensing-Based Drought Index Analysis in Central Asia</i>	Hydrology Section, GFZ, Potsdam
5.	Dr. Valeria Selyuzhenok	<i>Groundwater Storage Variations in Central Asia (2002–2024) derived from the G3P Product</i>	Hydrology Section, GFZ, Potsdam
6.	Prof. Fazliddin Hikmatov	<i>Assessment of Climatic Parameter Changes Based on Meteorological Observations</i>	National University of Uzbekistan named after Mirzo Ulugbek
7.	Dr. Gulomjon Umurzakov	<i>Assessment of Statistical Analysis of Daily Runoff Changes in Pskem Rivers and Their Linkage to Glacier Mass Balance Dynamics</i>	National University of Uzbekistan, Hydrometeorological Research Institute, Tashkent Uzbekistan
8.	Mr. Atabek Umirbekov and Prof. Daniel Müller	<i>Understanding Mountain Snowpack Changes in Central Asia Over Four Decades</i>	Leibnitz Institute of Agricultural Development in Transition Economies (IAMO), Halle, Germany
9.	Mr. Mirwais Elyasi	<i>Snow Cover and Glacier Dynamics and Distributions in the Upper Catchment of Amu River Basin</i>	Potsdam University
10.	Mr. Mustafa Javed	<i>Climate change impact on water resources and hydropower production in the Chirchik catchment (Uzbekistan)</i>	PIK
11.	Dr. Sigrid Roessner and Dr. Robert Behling	<i>Multi-sensor remote sensing time-series analysis for disaster management - Rapid assessment, monitoring, and process understanding of landslide activity</i>	Remote Sensing and Geoinformatics Section, GFZ, Potsdam
12.	Mr. Phillip Schuster	<i>MATILDA - An Open Source Toolkit for the Assessment of Climate Change Impacts on Glacierized Catchments</i>	Humboldt Universität zu Berlin

13.	Mr. Alexander Georgi	<i>Freshwater recycling and functional hydro-meteorological coupling in Central Asia: Pathways to resilience in a water-scarce agriculture</i>	Humboldt Universität zu Berlin
14.	Dr. Sarvarbek Eltazarov	<i>Improving Risk Reduction Potential of Weather Index Insurance through Machine Learning-based Spatial Downscaling</i>	Leibniz Institute of Agricultural Development in Transition Economies (IAMO), Halle, Germany
15.	Mr. Adkham Mamaraimov	<i>Six decades (1963-2023) of in-situ snow depth measurements in the western Tien-Shan in the Chrichik Basin</i>	Potsdam University

14:30 – 15:00

Coffee break

Session IV

World Café: Collaborative Pathways: Bridging Disciplines and Shaping Policies for Water and Climate Resilience in Central Asia

15:00 – 15:10

Introduction: Brief explanation of the World Café methodology and session objectives

15:10 – 15:30

Round 1 Discussions

15:30 – 15:50

Round 2 Discussions

15:50 – 16:10

Round 3 Discussions

16:10 – 16:30

Plenary: Facilitators from each table briefly present key insights

Session V

Poster session

16:30 – 18:00

Continuation of a PICO session

Special Poster Display: The Projects and International Affairs team from GFZ