



As of 26 March 2018

1st Circular

5th Summer School

Methods and Tools for the Assessment and Monitoring of Central Asian Water and Land Resources

1 Dates & Venue

Dates: 11 – 22 June 2018

Venue: German-Kazakh University (DKU),
ul. Pushkina 111/113
050010 Almaty, Republic of Kazakhstan

2 Description

The Summer School will introduce innovative methods and tools for the analysis and monitoring of water and land resources in Central Asia. These methods are of great value in a framework of integrated water and land resources management.

The 2-week Summer School will combine theoretical lectures and practical exercises with discussion sessions on the implementation of new methods and tools in managing water and land resources in Central Asia. The programme will include an in-depth introduction to geographical information systems (GIS), an overview on remote sensing applications for land and water resources monitoring, an introduction to climatological data analysis and an introduction to glaciology. For the practical exercises in data analysis, the participants will use open source tools such as QGIS (www.qgis.org) for spatial analysis, and R (www.r-project.org) for statistical analysis.

The Summer School is organized in the frame of the CAWa project as contribution to the German Water Initiative for Central Asia ("Berlin Process") launched by the German Federal Foreign Office in 2008.

Programme details will be published at the CAWa Project website.

www.cawa-project.net.

Language

The courses will be given in English, hence the knowledge of English language is a prerequisite to participation.



As of 26 March 2018

Lecturers

- Dr. Maik Netzband (Department of Remote Sensing, Wuerzburg University, Germany)
- Lucia Morper-Busch (Department of Remote Sensing, Wuerzburg University, Germany)
- Dr. Abror Gafurov (Hydrology Section, GFZ German Research Centre for Geosciences, Germany)
- Dr. Lars Gerlitz (Hydrology Section, GFZ German Research Centre for Geosciences, Germany)
- Dr. Tomas Saks (Department of Geosciences, University of Fribourg)

3 Organizers

CAWA Project

"Regional Research Network Water in Central Asia"

www.cawa-project.net



German-Kazakh University

Master program "Integrated Water Resources Management"

Almaty, Kazakhstan

www.dku.kz, www.academic-waters.org



University of Wuerzburg

Institute for Geography and Geology
Department of Remote Sensing

Wuerzburg, Germany

www.remote-sensing.uni-wuerzburg.de



Helmholtz Centre Potsdam

GFZ German Research Centre for Geosciences

Hydrology Section

Potsdam, Germany

www.gfz-potsdam.de





As of 26 March 2018

In cooperation with:

Fribourg University

Physical Geography

Fribourg, Switzerland

www.unifr.ch/geoscience/geographie/



Kazakhstan Gharysh Sapary

Astana, Kazakhstan

gharysh.kz



Supported by:

This activity is part of the German Water Initiative for
Central Asia – the “Berlin Process”



OSCE Programme Office Astana

Astana, Kazakhstan

www.osce.org/astana



Contact to the organizers:

Almas Kitapbayev, German Kazakh University, kitapbayev@dku.kz



As of 26 March 2018

4 Participation and Funding

The Summer School addresses dedicated master and PhD students as well as junior university teachers and researchers with interest in geoscientific tools for Integrated Water and Land Resources Management and its practical implementation. Eligible are participants from the following Central Asian countries: Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan, and Afghanistan.

Participants will be selected based on their application documents (motivation letter, CV).

The CAWA project provides funding for travel and accommodation expenses for the accepted participants. Accommodation will be organized by the host institution GKU.

5 Application

Interested students and researchers are expected to fill in the application form and send it back to the organizers. Please attach a short CV and a motivation letter.

Visa support will be provided by DKU (please note the strict deadline of 30 April for the submission of the passport data).

Deadlines

Submission of application form and abstract	30 April 2018
Notification of acceptance	05 May 2018
Issue of registered invitations for visa application	05 May 2018