

**CAWa Central Asian Water
Training Course**
Hydrometeorological Monitoring Network and Geodata Bases
Preliminary Programme and Schedule

1 Venue & Date

Venue: Helmholtz Centre Potsdam, German Research Centre for Geosciences GFZ, Germany

Date: 14th – 16th December 2010

Language: All lectures in English

Training Course Lecturers:

- Dr. Tilo Schoene, GFZ Section 1.2, Global Geomonitoring and Gravity Field
- Torsten Queisser, GFZ Section 1.2, Global Geomonitoring and Gravity Field
- Cornelia Zech, GFZ Section 1.2, Global Geomonitoring and Gravity Field
- Heiko Thoss, GFZ Sektion 5.4, Hydrology
- Rainer Haener, GFZ Centre for Geoinformation Technology-CeGIT
- Dr. Valeri Rudenko, GFZ Centre for Geoinformation Technology - CeGIT
- Dr. Aleksandr Zubovich, CAIAG Dep. «Technical infrastructures and management of the information»
- TBD, SOMMER Mess-Systemtechnik, Koblach, Austria
- TBD, Campbell Scientific Ltd. Bremen, Germany

Organisers

Helmholtz Centre Potsdam
GFZ German Research Centre for Geosciences
Telegrafenberg
14473 Potsdam, Germany

in association with:

CAIAG Central Asian Institute for Applied
Geosciences
Timur Frunze rd. 32/2
720027 Bishkek, Kyrgyzstan



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2 Course Programme

Hydrometeorological Monitoring Network and Geodata Bases	
Tuesday, 14th December 2010	
09.00 – 09.30	Welcome by representatives of GFZ / CAWA Project and the German Federal Foreign Office (tbc)
09.30 – 10.30	Course programme presentation and introduction
10.30 – 11.00	<i>Coffee Break</i>
11.00 – 12.15	Hydrometeorological monitoring station concept and configuration
12.15 – 13.30	<i>Lunch</i>
13.30 – 15.00	Hydrometeorological monitoring stations site selection and construction, operation and maintenance
15.00 – 15.30	<i>Coffee break</i>
15.30 – 17.00	Hydrometeorological monitoring stations network connection and data transmission
19.00 - end	<i>Welcome Dinner</i>
Wednesday, 15th December 2010	
09.00 – 10.30	Hydrometeorological monitoring station sensor system integration
10.30 – 11.00	<i>Coffee break</i>
11.00 – 12.30	Hydrometeorological monitoring international standards
12.30 – 13.30	<i>Lunch</i>
13.30 – 15.00	Presentation of the sensor system snow pack analysing (Firm Sommer - tbc)
15.00 – 15.30	<i>Coffee break</i>
15.30 – 17.00	Presentation of hydrometeorological sensors (Firm Campbell Scientific - tbc)
Thursday, 16th December 2010	
09.00 – 10.30	Sensor Operation Processing Archiving Facilities (SOPAF) architecture and concept
10.30 – 11.00	<i>Coffee break</i>
11.00 – 12.30	SOPAF data management and sensor web enablement application
12.30 – 13.30	<i>Lunch</i>
13.30 – 15.00	Sensor web enablement application and exercises
15.00 – 15.30	<i>Coffee break</i>
15.30 – 17.00	SPOAF GUI use within arbitrary frameworks

Course characteristics:

The course programme is planned as full-day lessons for three days. The lessons start at 9.00 a.m. and end at 5.00 p.m. Each lesson is subdivided into a theoretical presentation and practical demonstration of systems, software and sensors by the lecturer. In addition there will be time for discussion.

3 Participants and Funding

Target group are experts from the hydrometeorological services, research institutions, water management organisations and universities in the Central Asian states.

Participants are expected to have basic knowledge of geodata infrastructure, monitoring stations and sensors.

The CAWA project provides funding for travel and accommodation expenses for up to two participants from each Central Asian country.

4 Application

Potential participants are expected to fill in the application form and submit it to the CAWA course coordination.

Deadlines

Submission of application form	22 th November 2010
Notification of acceptance	23 th November 2010
Issue of invitations for visa application	24 th November 2010

Training Course

Hydrometeorological Monitoring Network and Geodata Bases

Date: 14th – 16th December 2010

Venue: Helmholtz Centre Potsdam GFZ German Research Center for Geosciences, Germany

Application Form

Title	
Surname	
Given Names	
Citizenship	
Year of birth	
Organisation	
Position	
Address	
City	
ZIP Code/Postal Code	
Country	
Telephone/Fax	
Email:	
Amount of requested travel costs (Sums)	
Do you need visa support for Germany?	
If so, please fill in the data needed for the visa application:	
Passport number	
Passport valid until	
Day and place of birth	
Comments	

Please return this application form not later than 22th November 2010 to:

Helmholtz Centre Potsdam German Research Centre for Geosciences GFZ
CAWA course coordination

Fax +49 (331) 288-2321

Email: duckert@gfz-potsdam.de