

International Symposium on Changing Cryosphere, Water Availability and Sustainable Development in Central Asia

Second Circular

Urumqi, China

October 8 –10, 2011

Sponsored by

**Chinese Academy of Sciences (CAS)
National Natural Science Foundation of China (NSFC)
The Ministry of Science and Technology of the People's Republic of China (MOST)
International Geosphere-Biosphere Programme (IGBP)
International Association of Cryospheric Sciences (IACS)
Climate and Cryosphere (CliC)
Mountain Research Initiative (MRI)
United Nations Environment Programme (UNEP)**

Co-sponsored by

**State Key Laboratory of Cryospheric Sciences, CAREERI, CAS
Cold and Arid Regions Environmental and Engineering Research Institute (CAREERI), CAS
Xinjiang Institute of Ecology and Geography (XIEG), CAS
Technische Universität Dresden (TUD)
University of Idaho
Central Asian Institute for Applied Geophysics
International Glaciological Society (IGS)
The Third Pole Environment (TPE)
International Centre for Integrated Mountain Development (ICIMOD)**

Background

Central Asia is an extremely arid region and contains several larger plateaus and deserts. The river drainages in Central Asia are unique, the ecosystems are complex and diverse, but also extremely fragile. These harsh conditions lead to the poor developments of local economies. But Central Asia exhibits the most vast cryospheric system at its latitude of northern hemisphere, and stores enormous water resources. However, global climate change during the last decades of the 20th century has led to significant changes in the cryosphere of Central Asia, with diminished water resources, altered hydrological cycles, and growing environmental problems. Hence, water availability and quality are the most pressing issues for sustainable development in Central Asia

Currently, a number of joint projects and individual initiatives in different regions and countries are being carried out to study the changing climate and cryosphere, which can exert a significant influence on water resources and sustainable development, especially in Central Asia. However, there is a lack of coordination and cooperation between projects, resulting in lost synergies. As for the cryosphere, it's time for us to integrate all the results about its changes, obtained by the various methodological approaches including field studies, numerical modeling and space based technologies, and to assess its impacts.

Objectives

This international symposium aims to

- to strengthen cooperation especially amongst experts working in the Central Asian countries;
- to establish a baseline for the condition and trend of Central Asia's cryosphere;
- to quantify the influences of cryospheric changes on water resources, environment, and sustainable development;
- to outline measure to adaptive to cryospheric changes;
- to provide a platform to discuss methodological approaches;
- to define research needs and priorities.

Main Topics

The suggested topics include:

1. The climate and climate change in Central Asia
2. The condition and trend of cryosphere in Central Asia
3. The role of changing cryosphere in the hydrological cycle and water resources
4. The response of ecosystems to cryospheric and consequent hydrologic change
5. The impact of changing cryosphere on development trajectories.
6. Integrated management of water resources under a changing cryosphere/climate
7. Networked monitoring and data management
8. Research needs and priorities

Scientists, managers, students as well as representatives of governments, media and funding organizations, who have researched or are interested in cryospheric sciences, climate change, hydrology, ecology and sociology are invited to the conference to share research results and to discuss sustainable development in Central Asia. The official language of the symposium will be English.

Scientific Steering and Editorial Committee

Chairman: **Qin Dahe** (CAREERI, CAS, China)

Member: **Cheng Guodong** (CAREERI, CAS, China), **Wu Guoxiong** (IAP, CAS, China), **Yao Tandong** (ITP, CAS, China), **Liu Changming** (IGSNRR, CAS, China), **Fu Bojie** (RCEES, CAS, China), **Chen Xi** (XIEG, CAS, China), **Xia Jun** (IGSNRR, CAS, China), **Ding Yongjian** (CAREERI, CAS, China), **Ian Allison** (IACS/IUGG), **Olga Solomina** (IG, RAS, Russia), **Georg Kaser** (UIBK, Austria), **Vladimir Aizen** (UoI, USA), **Tetsuo Ohata** (IORGC, Jamstec, Japan), **Gregory Greenwood** (MRI, UNIBE, Switzerland), **Yang Daqing** (CliC, NPI, Norway), **Michael Zemp** (WGMS, Switzerland), **Gleb Glazyrin** (Uzbekistan), **Igor Severskiy** (IG, Kazakhstan), **Phillip Arkin** (University of Maryland), **Raymond S. Bradley** (University of Massachusetts Center)

Local Organizing Committee

Chairman: Qin Dahe, Yao Tandong

Deputy Chairman: Ding Yongjian, Jilili Abuduwaili, Ren Jiawen

Members: Wang Ninglian, Liu Shiyin, Liu Wenjiang, Tobias Bolch, Vladimir Aizen, Wang Wenhua

Secretariats of Local Organizing Committee

Secretary General: Dr. Xie Aihong (CAREERI, xieaih@lzb.ac.cn)

Members: Wu Xiaobo (CAREERI, xiaobowu@lzb.ac.cn), Dr. Guo Wanqin (CAREERI, guowq@lzb.ac.cn), Yu Jie (yujie@lzb.ac.cn)

Venue:

Tuha Petroleum Hotel-Urumqi (THPH-Urumqi), Urumqi, Xijiang Province, China

Language:

English is the conference language for oral presentations and posters. The conference does not provide simultaneous interpretation services.

Technical Programme

The technical sessions of the conference includes invited lectures, and oral and poster presentations. All sessions focus on the theme of Changing Cryosphere, Water Availability and Sustainable Development in Central Asia

Call for Abstracts/Registration

Registered participants need to submit abstracts of papers in English for publication well before the conference. The organizing committee will distribute the abstracts to participants, and selected some high-level papers for publication in international journals. Deadline for submission of registration form and abstract is on June 30, 2011.

An abstract should contain title, author(s) full name (the speaker's name should be underlined), address and E-mail and about 400 words in Microsoft Word format.

Please submit your abstract and registration form through the website <http://iscc.skics.ac.cn>.

Conference Fees

A registration fee will apply for all registered participants. This fee will cover conference printed materials and the drinks during the conference coffee breaks. Accompanying persons are asked to pay the cost.

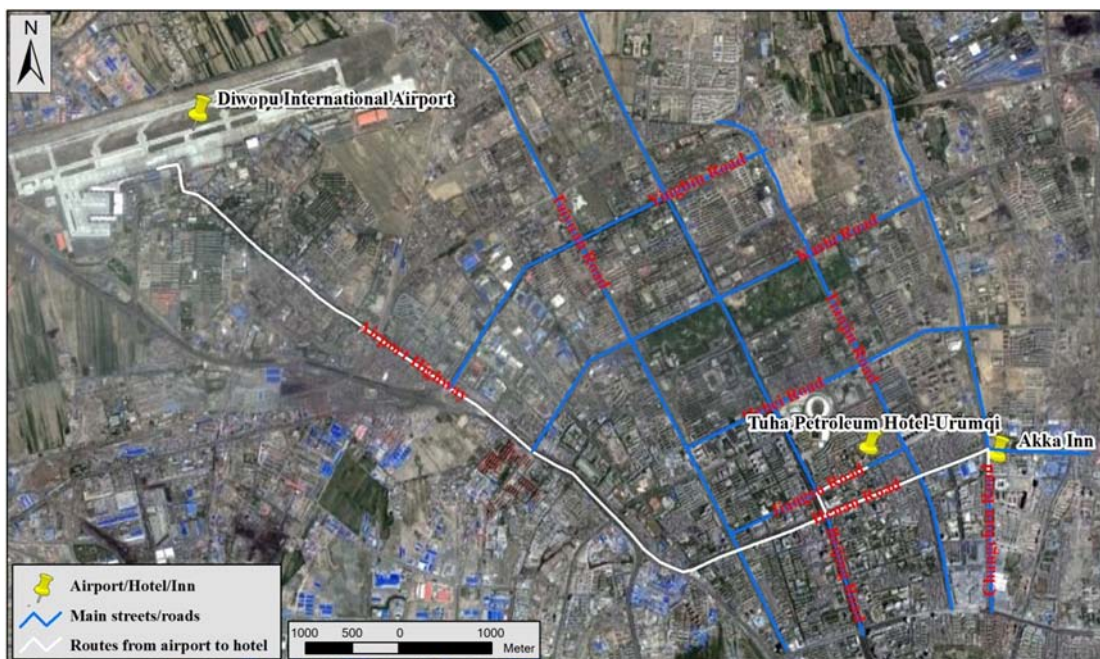
- (1) Full registration RMB 2000 /US\$ 300 per person
- (2) Student registration RMB 1000 / USD 150 per person
- (3) Accompanying person RMB 1000 / USD 150 per person

People who plan to participate the post-conference field excursion will be charged an addition fee depending on the excursions selected.

Accommodation

The Conference will be held in the 4-Star Tuha Petroleum Hotel-Urumqi (THPH-Urumqi) (<http://www.hoteltuha.com/urumqi/index.php>, in Chinese, no English version), Urumqi, Xijiang Uygur Autonomous Region, China. The THPH-Urumqi is located at the East Jiangsu Road of Urumqi, and about 9 km away from the Urumqi Diwopu International Airport (tax fee is around 4 USD or 25 RMB). The standard two-bed room of the THPH-Urumqi costs around 60 USD (400 RMB). Additionally, Akka Inn, which is very close to the THPH-Urumqi, has the one-bed and two-bed room with cost of 40 USD (250 RMB). All meals for participants will be covered by the conference.

The traffic map of THPH-Urumqi and Akka Inn is as below:



Funding Support

There is a limited funding source for participants from Central Asia and the adjacent countries to attending the conference. This includes colleagues from countries of Afghanistan, Kazakhstan, Krygyzstan, Mongolia Nepal, Pakistan, Russia and Tajikistan. Deadline for applying for a travel funding is on July 1, 2011 and the determination will be made by the LOC and applicants will be informed before July 15, 2011.

Post-conference Excursions

Line 1: First day: Urumqi → Tianchi Lake

Second day: Urumqi → Turfan Basin

Total cost: around 160 USD/1000 RMB (includes accommodation and travel tickets)



Line 2: First day: Urumqi → Korla

Second day: Korla → Tarim River

Third day: Tarim River → Urumqi

Total cost: around 160 USD/1000 RMB (includes two days accommodation)



Line 3: Urumqi → Tianshan Glaciological Station,

Total cost: around 40 USD/250 RMB



Registration Information

For those who are interested in this conference, please complete the REGISTRATION FORM and submit it on the Website <http://iscc.skics.ac.cn>.

Deadline for Important Date

July 1, 2011	Travel funding application
July 10, 2011	Abstract and registration form submission
July 15, 2011	Send out formal invitation letters for VISA to China
October 1, 2011	Publication of proceedings (abstract)
October 8-10, 2011	Conference

Contacts for Further Information:

In CAREERI, CAS: Dr. Wang Ninglian and Dr. Liu Shiyin

Tel. +86-931-4967353 or 4967375, Fax. +86-931-4967375

E-mail: nlwang@lzb.ac.cn, liusy@lzb.ac.cn

In XIEG, CAS: Dr. Liu Wenjiang

Tel. +86-991-7885304, Fax. +86-991-7885320

E-mail: wjliu@ms.xjb.ac.cn

In Dresden or Zurich: Dr. Tobias Bolch

E-mail: tobias.bolch@geo.uzh.ch

In University of Idaho: Dr. Vladimir Aizen

Tel: (208) 885-5888, Fax: (208) 885-5724

E-mail: aizen@uidaho.edu

Abstract Submission Form and Address

Submission address:

Please submit your abstract on the conference website <http://iscc.skics.ac.cn>.

Submission form:

<input type="checkbox"/> Oral presentation	<input type="checkbox"/> Poster presentation (A0 size)	<input type="checkbox"/> Other
Scientific topic		
Title of presentation		
Author (s) and their affiliations (mailing address, telephone, fax, e-mail		
Official Invitation for VISA (coming to China)	Needed or not:	
Hotel Election		
Excursion Election		
Abstract (400 words)		

Founding Support Form

Submission address:

Please submit your form on the conference website <http://iscc.skics.ac.cn>.

Submission form:

Family Name:	Given Name:
E-mail/Phone/ Fax	
Postal Address	
Affiliation	
Position:	
Education	
Presentation in the conference	
Curriculum Vita	