

# The 2<sup>nd</sup> CAS-CEOP International Workshop on Energy and Water Cycle

## Over the Tibetan Plateau and High-elevations

Lhasa, China, 19-21 July 2010

(<http://ceop-cahmda.westgis.ac.cn/>)

### First circular

We are glad to announce that the “The 2<sup>nd</sup> CAS-CEOP International Workshop on Energy and Water Cycle over the Tibetan Plateau and High-elevations” will be held in Lhasa, China, 19-21 July 2010. This workshop is a joint activity of Chinese Academy of Sciences, CEOP (Coordinated Energy and water-cycle Observations Project), and EU FP7 CEOP-AEGIS Office. The workshop will be in conjunction with “The Forth International Workshop on Catchment-scale Hydrological Modeling and Data Assimilation (CAHMDA-IV)” that will take place in Lhasa, China, 21-23 July 2010.

#### Workshop Conveners

- (1) Coordinated Energy and water-cycle Observation and Prediction - Water and Energy Budget Study (CEOP-WEBS) Working Group and High Elevations (CEOP-HE) Working Group;
- (2) The EU Seventh Research Framework Programme (FP7) CEOP-AEGIS;
- (3) Institute of Tibetan Plateau Research, Chinese Academy of Sciences (ITP, CAS);
- (4) Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences (CAREERI, CAS);
- (5) National Natural Science Foundation of China (NSFC).

#### General Background

High elevation regions are the primary water reservoir for lowlands and provide essential

freshwater for numerous downstream populations especially in the world’s arid and semiarid zones, but their hydrological significance needs to be clarified, the same as the water balance of mountains, which still remains uncertain. Furthermore, most of the atmospheric activities in the lower atmosphere are affected by the phenomena that take place at high elevations, which are a sensitive indicator of human activities affecting the world’s climate and provide interesting locations for the early detection of climate change signals in hydro-climatic systems. Therefore, CEOP established the High-elevation (HE) project and Water and Energy Budget Studies (WEBS) project to address these issues.

Long-term research on the Tibetan Plateau has shown that the Plateau exerts giant thermal effects on the atmosphere, thus greatly influencing atmospheric circulations over China, Asia and even the globe. In the past decade, a number of field experiments have been implemented, including: GAME/Tibet (GEWEX Asian Monsoon Experiment on the Tibetan Plateau, 1996-2000), CAMP/Tibet (CEOP Asia-Australia Monsoon Project (CAMP) on the Tibetan Plateau, 2001-2005), EU’s Seventh Research Framework Programme CEOP-AEGIS, and JICA China-Japan weather disaster project. In particular, Institute of Tibetan Plateau Research established by Chinese Academy of Sciences in 2003 has developed a comprehensive observational platform in Tibet. Based on these field activities, significant progress has been achieved in understanding the interactions

between the land surface and atmosphere on the Tibetan Plateau and their effects on the Asian monsoon system. Therefore, it is time to review these activities over the Tibetan Plateau and other high elevations.

### **Scope of the Workshop**

This workshop will provide a forum for scientists who are concerned with the water and energy cycle over the Tibetan Plateau and other high elevations, to strengthen the exchanges of the achievements and information, and to promote the research cooperation and research level improvement. Relevant topics are hydro-meteorology, climate change, and water/energy-related environmental issues over the Tibetan Plateau and other high elevations.

### **Proposed Sessions**

- (1) Observing systems over high elevations: including routine observations, GPS, and isotope etc.
- (2) Satellite remote sensing and data assimilation, covering method and system developments and applications in the optical, thermal, and microwave remote sensing.
- (3) Land water and energy processes: data analysis, process parameterizations, and modeling.
- (4) Physical and dynamic processes of water and energy cycle: land-atmosphere interactions and their impact on monsoon variability and extreme events.
- (5) Climate change and response of high-altitude aquatic ecosystems and cryosphere.

### **Scientific Advisory Committee**

#### **Chair**

*Guoxiong Wu*, IAP, CAS, China

#### **Members**

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*Jianping Huang*, Lanzhou University, China  
*Toshio Koike*, The University of Tokyo, Japan  
*Daren Lu*, IAP, CAS, China

*Shihua Lu*, CAREERI, CAS, China

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*Tetsuzo Yasunari*, Nagoya University, Japan

*Yongkang Xue*, University of California, Los Angeles, USA

*Tandong Yao*, ITP, CAS, China

*Renhe Zhang*, Chinese Academy of Meteorological Sciences, China

### **Organization Committee**

#### **Chair**

*Kun Yang*, ITP, CAS ([yangk@itpcas.ac.cn](mailto:yangk@itpcas.ac.cn))

#### **Members**

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*Yaoming Ma*, ITP, CAS

*Huasheng Qiu*, CAS

*Jiancheng Shi*, IRSA, CAS

*Chaolin Zhang*, NSFC

#### **Secretariat**

*Xiaofeng Guo*, ITP, CAS

([hsiaofengguo@gmail.com](mailto:hsiaofengguo@gmail.com))

#### **Venue**

Lhasa, China, 19-21 July 2010

#### **Important Dates**

15 April 2010      Deadline of Registration

1 May 2010        Deadline of abstract submission

19-21 July 2010   Meeting

#### **Workshop Language**

English is the working language for oral presentations and posters. The workshop does not provide simultaneous translating service.

#### **Submission of Abstract**

Registered participants need to submit abstracts of papers in English for publication well in time before the workshop. Abstract contents should be limited to two A4 size pages with 2.5-cm margins on all sides, with 12 pt Times New Roman Font and single line spacing, including Figures, Tables, and references. The title should be in **bold**. The author(s) names with initials should be in the next line. Superscripts may be used to designate affiliation of authors if different from each other. Unfortunately, photographic prints cannot be accepted. Contributors are strongly encouraged to submit abstracts via email or computer diskettes.

### Visa Regulations

Visa regulations of the People's Republic of China should be carefully checked well in advance. Special permission is also needed for foreign participants to go to Tibet. It is required that participants send the registration form early (before 15 April 2010) so that the organizer will have enough time to process the necessary official formalities.

### Registration, Entry to Tibet, Field excursion

For those who are interested in this workshop, please complete the registration form and send back to the secretariat by Email.

- (1) **Registration:** The registration fee is: US\$ 250 or €170 for attendance to both CAS-CEOP and CAHMDA-IV; US\$ 150 or €100 for this workshop only.
- (2) **Entry issue:** An entry permit is required for foreigners to enter the Tibet. The application fee to gain the permit is US\$ 350 or €250 per person.
- (3) **Post-Workshop Field Excursions:** Those interested in the excursion may select ONE tour of three travel routes in the registration form. Please make an early decision so as to meet the registration deadline. It will be NOT possible to accept belated requests, due to logistic limitations. Route introductions are given below:  
**Route A: Lhasa – Nam Co – Nagqu – Lhasa (2 days, 800km, US\$ 350 / person or €250 /**

**person)**

This route will show the participants places of interest in Lhasa, alpine zones near Nam Co, the Comprehensive Observation and Research Station on Nam Co, Chinese Academy of Sciences (CAS), and the observational stations of the GAME/Tibet and the CAMP/Tibet.

**Route B: Lhasa – Gyantse – Xigaze – Tingri –Mt. Qomolangma (Everest) – Base Camp– Lhasa (3 days, 1500 km, US\$ 580 / person or €400 / person)**

This route will show the participants places of interest in Lhasa, an old castle and a temple in Gyantse and temples in Xigaze, Comprehensive Observation and Research Station on Qomolangma, Chinese Academy of Sciences (CAS) and the Base Camp for climbing Mt. Qomolangma, alpine zones in the southern slope of the Himalaya Mountains.

**Route C: Lhasa – Nyingchi – Lhasa (3 days, 1600 km, US\$ 580 / person or €400 / person)**

This route will show the participants places of interest in Lhasa, alpine zones near Nyingchi, and the Comprehensive Observation and Research Station on Nyingchi, Chinese Academy of Sciences (CAS).

### (4) Payment and Refund/Invoice Policy:

- a. The registration fee can be remitted to the bank account given in item (e) below. The payment deadline is 1 July 2010. Or, it can be made at the workshop venue.
- b. If intended, the payment for the field excursion must be remitted to the bank account given in item (e) below. Please note the payment deadline is 15 April, 2010.
- c. Foreign attendees have to remit the application fee to gain entry to Tibet to the account given in item (e) below. Please note its payment deadline is also 15 April, 2010.
- d. For the payments **a** and **b** above, attendees can only be partially refunded in case of an absence or change of intention. Rates of

refunding will be announced in the second circular. Payment **c** is NOT refundable. Invoices will be issued at the workshop venue.

**e. Bank account information**

Bank name: Bank of China, Beijing Branch  
Zhichunlu Sub-Branch

Address: ZhichunRd100, Haidian District,  
Beijing, P.R. China

Account Number:

14890808091014 (USD)

14890808091038 (EUR)

14890808091001 (RMB)

SWIFT CODE: BKCHCNBJ110

Account name: Institute of Tibetan Plateau  
Research Chinese Academy of Sciences

Please make a remark of “**Lhasa workshop**” when remitting money.

**Special Notes:**

- (1) After the deadline of registration (15 April 2010), it is NOT possible for the organizers to get the permit to enter Tibet.
- (2) The participants are suggested to arrive in Lhasa two days in advance for the acclimatization.
- (3) All of the route excursions will take place at high elevations with rugged roads, so tiring journeys are unavoidable. Participants need to have their own health insurance and are encouraged to prepare self-protection medicine.

(4) Choose suitable clothing and footwear during the excursions for both high temperatures in the daytime and low temperatures at night, as well as for rain and snow.

(5) In general, only double rooms of limited accommodation comfort will be available during the excursions.

**Correspondence**

General information (registration, accommodation, visa, travel, etc) and professional matters will be further informed in the Second circular. Please complete the registration form and anything for inquiry and send back to:

Dr. Xiaofeng Guo

Secretariat General

Institute of Tibetan Plateau Research

Chinese Academy of Sciences

P. O. Box 2871, Beijing 100085

P. R. China

E-Mail:

[hsiaofengguo@gmail.com](mailto:hsiaofengguo@gmail.com) (Dr. Xiaofeng Guo)

[yangk@itpcas.ac.cn](mailto:yangk@itpcas.ac.cn) (Dr. Kun Yang)

Phone:

+86-62849727, +86-15810452456 (Dr. Kun Yang)

Fax:

+86-10-62849886

Website:

<http://ceop-cahmda.westgis.ac.cn/>

## CAS-CEOP Preliminary Program and Sessions

### Program:

The three-day workshop is composed of seven sessions (five oral sessions, two poster sessions). Each oral session includes two or three keynote presentations and 8 oral presentations

### CAS-CEOP Timetable of Events

Day 1		Day 2		Day 3	
08:30 - 09:00	Registration				
09:00 - 09:30	Opening Session				
09:30 - 12:30	Oral Session 1	09:30 - 12:30	Oral Session 3	09:30 - 12:30	Oral Session 5
12:30 - 14:00	Lunchtime	12:30 - 14:00	LUNCH	12:30 - 14:00	Lunchtime
14:00 - 15:00	Poster Session 1	14:00 - 15:00	Poster Session 2	14:00 - 18:00	CAHMDA-IV
15:00 - 18:00	Oral Session 2	15:00 - 18:00	Oral Session 4		
19:00 - 20:30	Welcome Reception	19:00 - 21:00	Dinner		