

ChinaFLUX Training Course 2009

July 28~31, 2009, Xining, China

Background and Objectives

Over the past decade, there are more than 100 flux sites have been set up in Asia for studying the mass and energy exchanges between ecosystem and the atmosphere, and several regional flux networks have been organized in Asia, such as AsiaFlux, JapanFlux, KoFlux, ThaiFlux, IndoFlux and ChinaFLUX.

ChinaFLUX is an observation and research network that mainly applies micrometeorological eddy covariance and chamber methods to carry out long-term and continuous measurements of the exchanges of CO₂, H₂O and energy between terrestrial ecosystems and the atmosphere in China across diurnal, daily, seasonal and inter-annual time scales. As an important part of AsiaFlux, ChinaFLUX has taken the lead of flux observation and research in China and has developed close communication and cooperation with other regional flux networks since its establishment in 2002. With the rapid development of ChinaFLUX, many new flux sites have been set up in China in recent years, which greatly enhanced the intensity of flux research not only in China but also in Asia.

ChinaFLUX has held six training courses since 2002, aiming at training young scientists and technicians for the long-term operation and maintenance of the flux measurements, enhancing the capacity building, and promoting the communications among young scientists. ChinaFLUX Training Course 2009 (the 7th training course of ChinaFLUX) will be jointly held with the field campaign activity of the A3 Foresight Program “CarboEastAsia”, which has been implemented to support international collaboration among global change scientists from China, Japan and Korea. “CarboEastAsia” is aiming at the capacity building among ChinaFlux, JapanFlux and KoFlux to cope with climate change protocols by synthesizing measurements, theory and modeling in quantifying and understanding of carbon fluxes and storages in East Asia.

ChinaFLUX Training Course 2009 will provide an opportunity for the young students and scientists in Asia who are interested in flux observation and research to strengthen their knowledge, and widen their vision of the flux research. At the course, there will be some reports and lectures on various flux-related topics. Lecturers are very active in global flux community and have rich experience in flux research in recent years.

Date and Venue

Date: July 28~31, 2009

Venue: Jinzuo Hotel (青海金座大酒店)

Address: No.48, Xichuannan Rd., Xining, Qinghai, China

Important Dates

April 1, 2009: First Announcement

May 7, 2009: Second Announcement & opening for registration

June 30, 2009: Deadline for registration

Program and Topics (tentative)

July 27 (Monday): Participants arrival and Registration at Jinzuo Hotel

July 28 (Tuesday)

Morning: Opening ceremony

Fundamentals of the canopy-atmospheric boundary layer micrometeorology

Afternoon: Flux calculation, data QC/QA, Gap-fillings

July 29 (Wednesday):

Morning: Methods of soil respiration and LAI measurements

Afternoon: Theory and techniques for ecosystem carbon and water vapor isotope flux measurements

July 30 (Thursday):

Morning: Flux measurements and their connection to remote sensing technique and ecosystem models

Closure of Training Course

Afternoon: Special session of A3 program among JapanFLux, KoFlux and ChinaFLUX

Field Excursion (tentative)

Field Trip A: July 31 (Friday), One-day field trip to **Haibei Alpine Meadow Ecosystem Station** for Flux Monitoring and Long-term Ecological Research, which is about 250 km away from Xining city with an elevation of 3300 m.

Field Trip B: August 1st (Saturday): One-day trip to **Qinghai Lake**, which is the largest inland lake in China, ranks top of China's five most beautiful lakes in a latest competition activity by the magazine of China National Geography. Located at about 3,200 meters above sea level, the lake covers 4,300 square kilometers. It has abundant fish and other aquatic creatures, which in turn attracts large flocks of birds to perch in the islands of the lake. .

Fees (free for A3 members)

	Each person	Remarks
Registration fee	¥ 800 Yuan (~120.USD.)	Including lunches and dinners during July 28~30
Field Trip A	¥ 300 Yuan (~45.USD.)	Including transportation, lunch, and dinner
Field Trip B	¥ 300 Yuan (~45.USD.)	Including transportation, lunch, and entrance ticket

Hotels

The participants need to pay for their own hotel accommodation. We are glad to provide hotel reservation for all participants at two hotels:

- (1) Jinzuo Hotel (金座大酒店): where the training course will be held. It will charge ¥ 320 for a standard two-beds room each night, including breakfast.
- (2) Qing-Zang Dasha Hotel (青藏大厦): which is very close to the training course venue. It will charge ¥ 220 for a standard two-beds room each night, including breakfast.

****Please note for hotel reservation in the Registration Form.**

Registration

Registration will start from **May 7**, and end by **30 June, 2009**, please fill the attached registration form and return it to the given address. Due to space limitation, the participants will be **up to 60**, and thus a first-come-first-served principle will be followed.

Organizers

Chinese Terrestrial Ecosystem Flux Observation and Research Network (ChinaFLUX)
Synthesis Research Center, Chinese Ecosystem Research Network
Synthesis Center of China National Ecosystem Observation and Research Network

Hosts

Institute of Geographical Science and Natural Resources Research, Chinese Academy of Sciences
Northwest Plateau Institute of Biology, Chinese Academy of Sciences

Sponsors

National Natural Science Foundation of China (NSFC)
Japan Society for the Promotion of Science (JSPS)
Korea Science and Engineering Foundation (KOSEF),
AsiaFlux

Notes

- The language used in the training course is English.
- The venue of the training course, Xining City, is located in the northeast of Qinghai-Tibet Plateau. The elevation of Xining City is around 2300m, and the circumjacent area is mostly above 3000m. The participants please consider your health condition for the plateau altitude sickness.

Contacts to

ChinaFLUX Secretariat

Key Laboratory of Ecosystem Network Observation and Modeling,
Institute of Geographical Science and Natural Resources Research, CAS
11A Datun Road, Anwai, Beijing 100101, China
Tel: +86-10-64889808 Fax: +86-10-64868962
e-mail: fuyi@ igsnr.ac.cn (Dr. Yuling Fu)

ChinaFLUX Training Course 2009 Local Organizing Committee

Northwest Plateau Institute of Biology, Chinese Academy of Sciences
59 Xiguan Street, Xining 810001, China
Tel: 0971-6129837 Fax: 0971-6133353
Email: flingzhang@gmail.com (Mr. Fawei Zhang)

Check up-to-date information on the website:

<http://www.chinaflux.org/> (In Chinese)

<http://www.chinaflux.org/en/index/index.asp> (In English)

Attachment 1:

Registration Form of ChinaFLUX Training Course 2009

Family Name		First Name		Country	
Nationality		Title (Prof./Dr./Mr./Ms.)			
Affiliation					
Email			Phone:		
			Fax:		
Address					
Research interest or field					
Working with any Flux network or site?					
Join Field Trip A (Yes or No)			Join Field Trip B (Yes or No)		
Hotel Reservation	Hotel Name				
	Arrival Date				
	Departure Date				
Food Requirements	(If anyone is vegetarian or Moslem, please note here)				
Remarks					

Anyone who wants to attend ChinaFLUX Training Course 2009, please complete the above required information and return it to:

Dr. HU Zhongmin Email: huzm@igsnr.ac.cn, Tel: 86-10-64889453
and CC to fuyl@igsnr.ac.cn Or you can fax this form to: 86-10- 64868962.

The deadline for registration is: June 30, 2009

Attachment 2: Picture Guide for Training Course Venue

Fig. 1: Location of Xining City in China



Fig. 2: Location of Jinzuo Hotel in Xining City

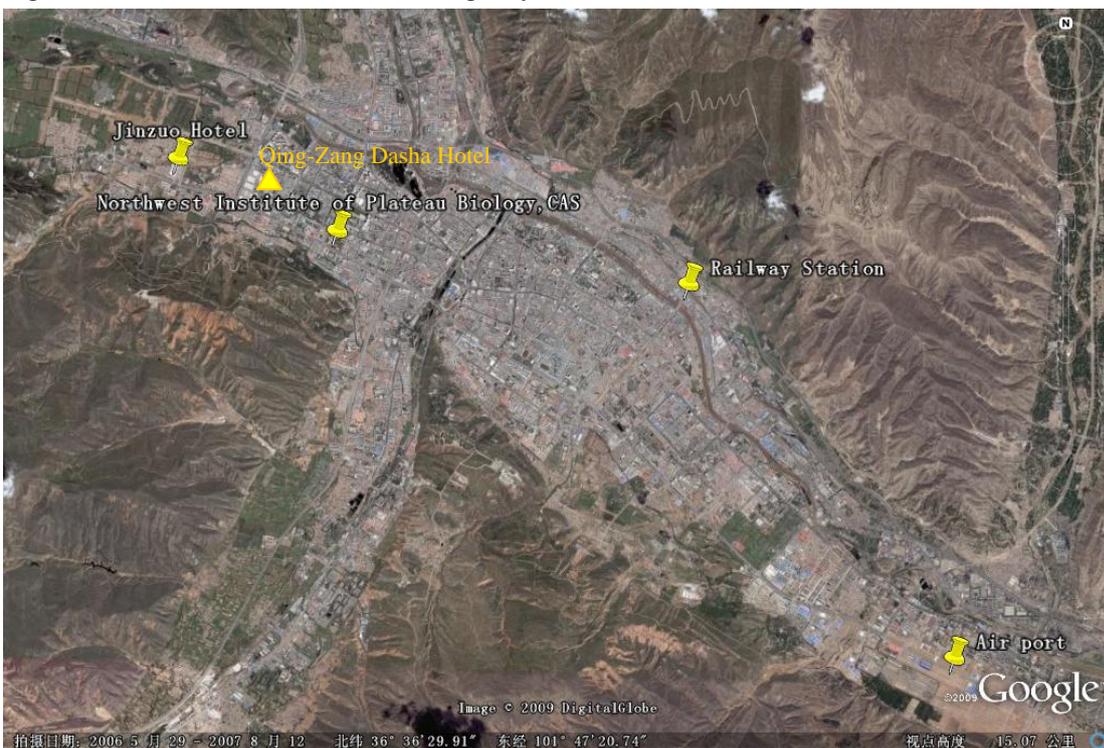


Fig. 3: Picture of Jinzuo Hotel



Fig. 4: Standard room of Jinzuo Hotel

