

International Workshop on Cryospheric Changes and Their Regional & Global Impacts

July 31 – Aug 1, 2018, Dunhuang, China

First Announcement



Organized and Sponsored by:

State Key Laboratory of Cryospheric Science (SKLCS), Northwest Institute of Eco-Environment and Resources (NIEER), Chinese Academy of Sciences (CAS)

The Government of Dunhuang City, Gansu Province

International Arctic Research Centre (IARC), University of Alaska Fairbanks (UAF)

World Climate Research Programme Climate and Cryosphere (CliC)

International Association of Cryospheric Sciences (IACS)

Institute of Tibetan Plateau Research (ITP), CAS

Chinese Academy of Meteorological Sciences (CAMS)

State Key Laboratory of Earth Surface Processes and Resource Ecology (SKLESPRE), Beijing Normal University (BNU)

National Natural Science Foundation of China (NSFC)

Ministry of Science and Technology of the People's Republic of China (MOST)



中华人民共和国科学技术部
Ministry of Science and Technology of the People's Republic of China



THEMES

- Cryospheric changes, including glaciers, ice sheets, snow cover, permafrost and sea ice;
- Environmental, social and economic impacts of cryospheric changes;
- Risk mitigation of cryospheric hazards and adaptation to cryospheric changes;
- Cryospheric services and sustainable development.

Background

The cryosphere is a part of the earth system including snow, ice and frozen ground on and beneath the earth surface, as well as ice in the oceans and atmosphere. In the climate system, the cryosphere is highly sensitive to feedback processes and is both indicating and amplifying global climate change. Ultimately, changes in the cryosphere impact biological and human systems at different spatial and temporal scales.

It is understood that the cryosphere plays an important role in regulating climate and the earth system, especially through feedbacks impacting water, energy, and material flows. As a result, issues related to cryospheric changes and their impacts have received increasing attention, leading to more research, including the effects of interactions among earth system components and the role of the cryosphere in constraining sustainable pathways of adaptation to change.

Aims

The workshop, “Cryospheric Changes and Their Regional & Global Impacts”, aims to

- review and advance our understanding of the changes in the cryosphere as well as their environmental, social and economic implications,
- foster knowledge exchange in modelling and assessing such changes,
- assess and improve approaches in risk mitigation and adaptation to the changing cryosphere, and
- shed light on the role of the cryosphere in the context of sustainability for the benefit of our future earth.

Field Trips Prior to Workshop

A three-days field trip will be organized during the conference. Please complete the Accommodation and Field Trips Prior to Workshop Request Form (Annex I) and send it to wangfeiteng@lzb.ac.cn.ac.cn by **June 1st, 2018**. When the number of participants is less than ten people, the field trip will be cancelled.



Hexi Corridor

We are about to travel from Dunhuang to Lanzhou in the Gobi Desert via other several sightseeing sites along the route such as a Danxia Landform, Laohugou Glacier No.12, Great Wall etc. The Cost per person is ¥4000(\$600), including coach transport to/from Dunhuang, three nights' accommodation, and lunches/dinners.

Dunhuang City

Dunhuang is a famous historical city with a full of culture heritages. Established more than 2000 years ago, it is located in an oasis surrounded by deserts in north-western China. It was once the main gateway to the Silk Road, a critical link in the time between China, Western Asia and the sub-continent of India.

Dunhuang normally has a very dry climate, and its weather in early August turns to be very pleasant. You may consider to bring a jacket, a hat, a pair of comfortable walking shoes for excursions, as well as some for protections from the sun.

Preliminary Itinerary

Date	Place	Activities
July 28 th	Lanzhou to Zhangye	Visit Danxia Landform and Linze Station
July 29 th	Zhangye to Dunhuang	Visit Mogao Grottoes
July 30 th	Dunhuang	Visit Laohugou Glacier No.12 and Desert Station
July 31 th – August 1 st	Dunhuang	International Workshop on Cryospheric Changes and Their Regional & Global Impacts



ACCOMMODATION

A number of hotels are located within 1.0 km of the conference venue (a 10-minute walk), and have provided a group rate for our conference. Standard Rooms with a cost of US \$50-80 per night are provided including free internet and breakfast. Please complete the Accommodation and Post-Conference Field Trip Request Form (Annex I) and send it to wangfeiteng@lzb.ac.cn by **June 1st, 2018**.

CONFERENCE FEE

The conference registration fee is ¥1500 (\$225), and the field trip fee is ¥4000 (\$600). The conference fee will be collected during the registration by either cash or credit card (i.e. Union Pay, MasterCard or Visa). Please be advised that the accommodation cost is not included in the conference fee.



IMPORTANT DATES

Deadline for abstract submission:
May 1st 2018

Deadline for accommodation booking:
June 1st 2018

Deadline for Field Trip Request Form:
June 1st 2018

Workshop: July 31th 2018

SCIENCE STEERING COMMITTEE

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