



**2010 International
Debris-Flow Workshop**

November 27-28, 2010
Chengdu, China

Institute of Mountain Hazards and Environment, CAS

2010 International Debris-Flow Workshop

Workshop on November 27-28, 2010 at:
Chengdu, China

Post-Workshop Field Trip on November 29-December 1, 2010 to:
Route one: Zhouqu debris flow sites
Route two: Qingping debris flow sites and Jiuzhaigou

Sponsored by

Chinese Academy of Sciences

Co-Host and Organizers

Institute of Mountain Hazards and Environment, CAS
Key Laboratory of Mountain Hazards and Earth Surface Process

Secretariat

Secretary-General: Yongbo Chen

Members: Xiaoqing Chen, Kaiheng Hu, Rongzhi Tan, Aaron Guo, Chaofeng Li

Important dates

| | |
|------------------------------------|-------------------|
| Deadline for Submittal of Abstract | October 20, 2010 |
| Check-in | November 26, 2010 |
| Deadline for Manuscript Submittal | December 31, 2010 |

Contact persons:

Email to the Workshop General Secretaries:

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To request specific information on the workshop and the field trips, to submit an abstract, and to pay the fees and if you need any help else, please contact us.

● Introduction



As the extreme climates increase, more and more natural hazards happened in the past several years. During 2010, many serious debris flows occurred in China and other countries:

Due to heavy rainfall, large-scale debris flows occurred in Zhouqu County, Gansu Province on Aug 8th. The debris flows buried two villages and acres of farms, delivered 500 thousands cubic meters

sediments into Bailong River and formed dammed lake which submerged part of the county, caused 1765 death and missing.

Because of the continuous rainfall, debris flows happened in many places in Sichuan Province this August. The debris flows ruined the roads, cut off the communication, blocked the rivers, destroyed villages and resettlement sites in Wenchuan earthquake hit-area, affected tens thousands lives and caused huge losses.



As a result of the continuous rainfall, Pakistan suffered the most serious flood in the recent 80 years. At the same time, all kinds of secondary disasters like debris and landslides happened and caused hundreds of casualties.



On August 13th, debris flows happened in Kashmir, leading to hundreds of death.

Meanwhile, floods and debris flows also happened and took many lives away in Philippines, Indonesia, Malaysia and other countries around the world.....

These deadly disasters threat lives of people who live in the mountain seriously. The debris flows

above are widely concerned by the world not only for the extremely large scale and diverse inducing reasons, but also are group-occurring, which made them hard to be forecasted and controlled. These disasters enhance the necessity of international cooperation on the survive crisis of the local people, as well as bring us new challenges and new topics on the initiation, movement, forecast, prevention and cure of debris flows. This workshop will discuss on these topics.

● Objective

The Workshop will provide a forum for debris-flow researchers to exchange ideas on how to cope with debris-flow hazards using the most advanced, state-of-art methodologies in mechanics as well as in hazard prediction and risk assessment. How to strengthen the international cooperation of debris-flow research and mitigation is the other focus of this Workshop.

● Topics

All abstracts and reports submitted to the Workshop are expected to address timely issues on disaster caused by debris flows, debris avalanches, mudflows, lahars, hyper concentrated flows, debris floods, and the like. Topics of interest in technical sessions include, but are not limited to:

1. Terrestrial and meteorological factors triggering debris flows
2. Geomorphic effects of debris flows

3. Mechanics of debris flows
 4. Numerical modeling of debris flow
 5. Debris-flow experiments
 6. Landslide-induced debris flow
 7. Assessment of debris-flow hazards and risk
 8. Field observations and measurements of debris flows
 9. Debris-flow monitoring and alert systems
 10. Structural and non-structural debris-flow countermeasures
 11. Case studies of debris-flow hazards and mitigation countermeasures
 12. Relationship between debris flow formation, human activity and eco-environment
- This workshop will also discuss on the international cooperation of debris-flow research and mitigation.

● Manuscripts

Authors will be limited to one paper. All abstracts and manuscripts submitted by the deadline, as given above, shall undergo peer review. Abstracts and final manuscripts approved for publication will have to be submitted in electronic form in PDF format and Microsoft Word DOC. Authors can hand in their manuscripts to the secretariat during the workshop, or send to the secretariat before 31st, December, 2010. Manuscripts submitted to the Workshop will be recommended to *Journal of Mountain Sciences* (SCI expanded) in 2011. Authors may find information about format and guidelines on the Website at <http://jms.imde.ac.cn>.

● Registration

The registration fee of this Workshop is US \$300.

The organizer can provide financial support for registration fee for participants. Participants who apply the financial aid have to give a presentation at the Workshop.

● Accommodation

The Workshop Secretariat has arranged a discount with Chengdu Homeland Hotel for the room price for Workshop participants. Below is a price list at current market rates. All charges include breakfast and tax. "Room" means a standard room with two beds (or a double bed).

| Hotel name | Grade | Price(per night per room) | Explanation |
|------------------------|---------|----------------------------|--|
| Chengdu Homeland Hotel | 5- star | US \$125 | Venue for Workshop, Reception Banquet and other services |

Participants are requested to complete and return the Registration Form via email or air mail to the Workshop Secretariat, so that room reservations can be made in advance. If there is any change, please inform the Secretariat in time.

● Food and Drink

There are dining-rooms with different styles at Homeland Hotel, which can provide Chinese food, Western food and Islamic food 24 hours a day. Coffee houses and Bars in the Center will also serve attendees. The participants can also taste many kinds of Chengdu style foods at restaurants in the vicinity of the hotel.

While on the field trip, we will be only able to enjoy Chinese food and Tibetan food.

● Check-in

The official check-in date is November 26, 2010. There will be a reception table at the hall of Chengdu Homeland Hotel.

● Fees

Participants are required to pay the fees for registration, hotel accommodation, and the cost on the field trip.

| Registration | Accommodation in Chengdu | Field trip | | | |
|--------------|--------------------------|-------------|--------|-------------|--------|
| | | Route 1 | | Route 2 | |
| | | Air tickets | Others | Air tickets | Others |
| \$300 | \$375 | \$250 | \$200 | \$350 | \$200 |

“Others” include the cost of local traffic as buses or jeeps, hotels and meals during the field trip. However, the Workshop could provide financial support to participants.

● Financial aid

The registration fee, the accommodation fee during the Workshop and the costs during field trip except air tickets costs could be supported by the organizer.

The participants are required to give a presentation at the Workshop if they want to apply for financial aid, please choose the financial aid type when you send us the reply form.

The air-tickets including the international air tickets and air tickets for field trip would not be supported.

The accompanying persons can not apply for the financial aid.

● Payment

All payments should be made in US dollars or RMB. You may use one of the following two ways:

1) Bank Transfer

Account name: Institute of Mountain Hazards and Environment, Chinese Academy of Sciences and Ministry of Water Resources, Chengdu

Bank name: Bank of Communications, Chengdu Branch

Swift Code: COMMCNSHCDU

Account number: 511609017-01-0149008063

Please make sure to indicate the name of the Workshop “2010 International Debris-Flow Workshop”, your full name and your country on the bank transfer, and send us a copy of the receipt of the bank transfer.

2) Pay on the spot before the Workshop

Cash in US dollars; RMB and credit card are acceptable.

Formal Receipt for registration fee

The Secretariat of the Workshop will send a confirmation letter via email to the registrant once he receives the participant’s Registration Form and fees. The participant should present his/her confirmation letter at check-in. The formal receipt for fees will be available from the Secretariat when checking in.

● Field trips

Route one: Chengdu-->Lanzhou-->Zhouqu-->Lanzhou

This team would disband straight in Lanzhou, instead of going back to Chengdu.

The debris flow occurred at both Sanyanyu Gully and Luojiayu Gully at the same time on 8th August. The debris flows buried two villages and acres of farms, caused more than 2000 casualties, delivered over 500 thousands cubic meters sediments into Bailong River and formed dammed lake which submerged the county.



Debris flows at Sanyanyu and Luojiayu Gully ruined the city



The building was damaged

Route two: Chengdu-->Qingping-->Chengdu-->Jiuzhaigou Gully-->Chengdu

The total amount of debris flow broke out in Qingping County on 13th Aug was around 500 million cubic meters. The hazards caused dammed lakes, changed the river channel and cut off the traffic and telecommunication as well as trapped over 5000 lives, ultimately caused over 30 death and destroyed 379 houses.



Jiuzhaigou is an outstanding product of nature. Here are towering snow peaks, clear and charming lakes, colorful waterfalls, violent torrents, verdant forests, and glittering snow peaks. The blue sky, radiant and charming sunlight, fresh air, as well as ancient and primitive villages,

wood bridges, water mills all contribute to a finest landscape painting of rich implications and harmonious integration.

The Jiuzhaigou debris flow control system is very successful and also sight worthy.



● Useful Information

Weather

Chengdu is the capital of Sichuan Province, and is located in the western Chengdu Plain. It has a subtropical climate; the temperature here will be between 5 and 20 centigrade during the workshop.

The participants who will join field trips to Jiuzhaigou Gully need bring some warm clothes like a down jacket.

Passport and Visa

The international participants should hold a valid passport and visa for their trip to China. As soon as we receives the Registration Form and the related fees from participants and their accompanying persons, they will be sent an invitation to help them get a Visa for entrance into China from their local Chinese Embassy or Consulate.

Customs

For more information about Chinese customs, please inquire the local Chinese Embassy, Consulate or related agencies.

Insurance

The Secretariat of the Workshop recommends all the participants purchase Life Insurance, Property Insurance, Medical and Travel Insurance before coming to China. The organizer will not be responsible for personal accidents and property loss during the Workshop and the field trips.

Exchange

RMB (Yuan) is the only currency in circulation in China. Participants can exchange their currencies at airports, major hotels and banks in China. The exchange rate will be given daily by the Bank of China. Currently, 1 US dollar can be exchanged for about 6.72 Yuan RMB. Please keep in mind that the exchange receipt should be saved in case those participants want to exchange RMB back to their own currencies. Banks may demand to see the previous exchange receipt.

Voltage

220V, 50HZ, flat blade attachment plug (without holes in blades and slightly short blades) and flat blades with round grounding pin are used as a national standard in China.

Airport Construction Fee

Passengers taking Chinese domestic airliner must pay an Airport Construction Tax and Added Fuel Price Tax in addition to the air-ticket. Airport Construction Tax is 50 Yuan. Added Fuel Price Tax varies according to distance of flight. Currently, 20 Yuan is charged for flights shorter than 800 kilometers and 50 Yuan for flights longer than 800 kilometers. For international air-tickets, Added Fuel Price Tax will be calculated by the specific international airline.

Reconfirmation of Reservations

The international air-ticket should be reconfirmed 72 hours ahead of the departure time. The Front Desk of your hotel can help you do that.