

International Conference on

Climate Changes and Natural Hazards in Mountain Areas

„MOUNTAINHAZARDS 2011“

DUSHANBE, SEPTEMBER 19-21, 2011

BACKGROUND

High mountain areas all over the world are distinguished by high dynamics of relief development as well as complicated natural and climate conditions. Through influence of mentioned natural events the mountains are the sites where a lot of natural disasters happen annually.

Most of natural hazards occurring in mountain environment are closely related to climate features. Due to current climate changes the distribution of threatened sites changes. High number of new glacial lakes appear, the altitude of permafrost-related slope instability ascends, the changes in distribution and amount of precipitation cause flash floods, underflooding, debris-flows and huge landslides.

The conference follows up the meeting held in Bishkek in 2009. The conference „Mitigation of Mountain Hazards in Mountain Areas“ („Mountainhazards 2009“) brought together specialists from 18 countries of Asia, Europe and North America. Info on www.mountainhazards2009.com.



GOAL OF THE CONFERENCE

The goal of the conference is the discussion on investigation of hazardous natural processes and the experience in monitoring and risk mitigation. Research of relations between current climate changes and hazardous processes in mountain environment is the special topic of the conference. Strengthening the international cooperation in Central Asia and worldwide will be the main output of the conference.

CONFERENCE TOPICS AND SPECIAL SESSIONS

SESSION 1 GEOHAZARDS IN CENTRAL ASIA (AND EXPERIENCE FROM OTHER REGIONS)

- glacier related hazards – glacial lake outbursts, ice avalanches, permafrost related hazards;
- water related hazards – floods, underflooding, debris-flows, landslides, mudflows.
- earthquakes and mass movements (landslides, rockfalls)

SESSION 2 CLIMATE CHANGE AND NATURAL HAZARDS

- relations between climate change and natural hazards;
- research;
- forecasting;
- climate risk management;
- economic analysis of potential damages.



SESSION 3. MONITORING, ASSESSMENT, FORECASTING AND MANAGEMENT

- remote sensing – methods and results;
- inventory, data processing, databases, GIS systems;
- hazard assessment methods;
- early warning technologies and practices;
- long-term prognosis and forecasting.



SESSION 4. INTERNATIONAL COLLABORATION

- International collaboration in CA and worldwide
- Donor support for research and disaster risk management

The deadline for abstract delivery is June 30.

After this date we will accept the abstract on the basis of previous request.

In addition to spoken word the posters focused on above mentioned subjects will be presented.

The collection of papers will be published in printed form as well as on web site.

The excursions to the mountains close to Dushanbe will be organized.

All specialists in mentioned fields from all over the world are invited.

The conference will be held in Dushanbe in September 19-21, 2011.

The conference is organized by UNDP and Tajik organizations.

Detailed information and deadlines are published on the website:
www.mountainhazards2011.com.

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