

DEBRIS FLOWS: Disasters, Risk, Forecast, Protection

Proceedings
of the 7th International Conference

Chengdu, China, 23–27 September 2024



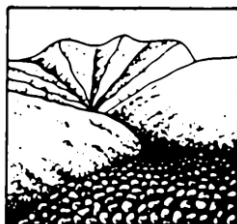
Edited by
S.S. Chernomorets, K. Hu, K.S. Viskhadzhieva

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2024

СЕЛЕВЫЕ ПОТОКИ: катастрофы, риск, прогноз, защита

Труды
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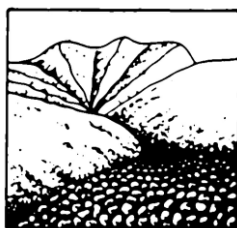
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泥石流： 灾害、风险、预测、防治

會議記錄

第七届国际会议

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S.S. Chernomorets, K. Hu, K. Viskhadzhieva

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Edited by S.S. Chernomorets (Lomonosov Moscow State University), K. Hu (Institute of Mountain Hazards and Environment, CAS), K.S. Viskhadzhieva (Lomonosov Moscow State University).

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Conference logo is based on a figure from S.M. Fleishman's book on Debris Flows (Moscow: Geografgiz, 1951, p. 51).

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Preface

This volume contains the Proceedings of the 7th conference "**Debris Flows: Disasters, Risk, Forecast, Protection**" (**Chengdu, China, September 23–27, 2024**).

Debris flows in mountainous regions cause significant damage to the economy, and often lead to casualties among the population. To solve the debris flow problem, the cooperation of experts from different countries is required. One of the forms of such cooperation is the holding of conferences on "Debris Flows: Disasters, Risk, Forecast, Protection". The conference in China is the seventh and continues the series of conferences under the indicated name, held in Pyatigorsk (2008), Moscow (2012), Yuzhno-Sakhalinsk (2014), Irkutsk and Arshan (2016), Tbilisi (2018), Dushanbe and Khorog (2020, due to pandemic held in a reduced correspondence format).

The initiator of the conferences is the Debris Flow Association, founded in 2005 in Pyatigorsk, Russia. The Debris Flow Association continues the traditions established by the Commissions for the study of the Kazbek blockages in the 19th century and the Debris Flow Commission of the USSR Academy of Sciences, which worked from 1948 to the end of the 1980s. At present, the Debris Flow Association is the world's largest association of specialists in Debris Flow protection and protection, which now includes 189 experts from 24 countries.

The conference in China was organized by the Debris Flow Association, Asian Network of Debris Flow, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences with the participation of Lomonosov Moscow State University, Faculty of Geography; Chongqing Institute of Green and Intelligent Technologies, Chinese Academy of Sciences; Far East Geological University, FEB RAS; Landslide and Engineering Slope Branch of Chinese Society for Rock Mechanics & Engineering; State Key Laboratory of Hydraulics and Mountain River Engineering, Sichuan University; Institute of Earth Crust, Siberian Branch, Russian Academy of Sciences; State Key Laboratory of Hydrosience and Engineering, Tsinghua University; Institute of Care-Life, ChengDu / Sichuan University; China National Meteorological Centre; Landslide and Debris Flow Professional Committee of the China Association for Disaster Prevention; China-Pakistan Joint Research Center on Earth Sciences; Alliance of International Science Organizations on Disaster Risk Reduction.

Conference website: www.debrisflow.ru/en/df24.

Here we publish the Proceedings of the conference. It includes 62 articles, the authors of which are experts from Austria, Azerbaijan, China, Cuba, France, Georgia, Kazakhstan, Kyrgyzstan, Morocco, Pakistan, Russia, Switzerland, Tajikistan, Türkiye, and Uzbekistan. Titles of articles, surnames of authors, abstracts and keywords are given in Russian and English, the main text is written in one of the indicated languages. The main information partner of the conference is Geomarketing LLC, which publishes part of the articles selected by the Organizing Committee in the Georisk World journal (No. 4 for 2023 and No. 1 for 2024) and in special issue of the Journal of Mountain Science.

Sergey Chernomorets (Debris Flow Association and Lomonosov Moscow State University, Russia)

Kaiheng Hu (Key Laboratory of Mountain Hazards and Earth Surface Process, Institute of Mountain Hazards and Environment, CAS, China)

Karina Viskhadzhieva (Debris Flow Association and Lomonosov Moscow State University, Russia)