



**7th International Conference on Debris Flows: Disasters, Risk, Forecast, Protection  
(Chengdu, China, September 23-27, 2024)**

**FACTUAL SCHEDULE**

**Monday 23 September**

**Venue: Academic Hall, Floor 1, Institute of Mountain Hazards and Environment**

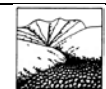
<b>Time</b>	<b>Details</b>
<b>08:30-09:30</b>	<b>Registration</b>
<b>Opening Ceremony</b> <b>Chair: Kaiheng HU</b>	
<b>09:30-09:35</b>	<i>Deputy Director of IMHE, Prof. <u>Lijun SU</u></i> <b>Welcome Speech from Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</b>
<b>09:35-09:45</b>	<i>President of DFA, Dr. <u>Sergey CHERNOMORETS</u></i> <b>Welcome speech from Debris Flow Association &amp; Lomonosov Moscow State University</b>
<b>09:45-10:00</b>	<b>Welcome speeches of <u>Sven FUCHS</u> (BOKU University Vienna), <u>Natalia BOGDANOVA</u> (Geomarketing)</b>
<b>10:00-10:20</b>	<b>Group Photo</b>
<b>Plenary Session</b> <b>Chair: Sergey CHERNOMORETS</b>	
<b>10:20-10:50</b>	<b>Mountain hazards simulation Simulation and risk warning of flash torrents and debris flows</b> <i><u>Peng CUI</u></i> <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
<b>10:50-11:20</b>	<b>Intelligent debris flow monitoring and warning system</b> <i><u>Ko-Fei LIU</u><sup>1</sup>. <u>Shih-Chao WEI</u><sup>2</sup></i> <i><sup>1</sup>Taiwan University, <sup>2</sup>Chung Hsing University</i>
<b>11:20-11:30</b>	<b>Awarding of Fleishman medals</b>
<b>11:30-12:00</b>	<b>Forecasting of debris flow processes and control with innovative construction along the Military Georgian Road</b> <i><u>Givi GAVARDASHVILI</u></i> <i>Tsotne Mirtskhulava Water Management Institute of Georgian Technical University</i>
<b>Plenary Session</b> <b>Chairs: Givi GAVARDASHVILI, Fangqiang WEI</b>	
<b>14:00-14:30</b>	<b>The 2024 debris flows in Austria as a challenge for risk management</b> <i><u>Sven FUCHS</u></i> <i>BOKU University Vienna</i>



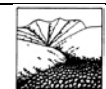
<b>14:30-15:00</b>	<p><b>Experience in creation of integrated protection from debris flows on the example of the Ulken Almaty River basin</b></p> <p><i>Akhmetkal MEDEU, <u>Nikolai POPOV</u>, Sandugash RANOVA, Aidana KAMALBEKOVA, Ulzhan ALDABERGEN</i></p> <p><i>Institute of Geography and Water Security of the Ministry of Science and Higher Education of the Republic of Kazakhstan</i></p>
<p><b>Plenary Session</b> <b>Chair: Sven FUCHS, Ko-Fei LIU</b></p>	
<b>15:20-15:50</b>	<p><b>Mudflow and flood phenomena on the territory of the Republic of Uzbekistan, experience in using tools for assessing the risk of rapidly developing floods (FFGS)</b></p> <p><i>Irina <u>DERGACHEVA</u>, Aleksandr <u>MERKUSHKIN</u><sup>2</sup>, Fayzulla AGZAMOV, Sergey <u>MYAGKOV</u><sup>1</sup>, K.V. <u>DERGACHEV</u><sup>1</sup></i></p> <p><i><sup>1</sup>Scientific Research Hydrometeorological Institute of Uzbekistan, <sup>2</sup>United Nations Development Programme Uzbekistan</i></p>
<b>15:50-16:20</b>	<p><b>AI landslide susceptibility mapping and statistical interpretation in the Mediterranean coastal zone between Oued Laou and El Jebha, Morocco</b></p> <p><i><u>Abdelilah DEKAYIR</u></i></p> <p><i>University of Moulay Ismail</i></p>
<b>16:20-16:50</b>	<p><b>Entrainment (erosion) of bed sediment by debris flows</b></p> <p><i><u>Kaiheng HU</u>, Pu LI, Xiaopeng ZHANG</i></p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>
<b>16:50-17:20</b>	<p><b>On the place and time of the 8th conference on Debris Flows: a new application</b></p> <p><i><u>Sergey CHERNOMORETS</u><sup>1</sup>, Givi <u>GAVARDASHVILI</u><sup>2</sup></i></p> <p><i><sup>1</sup>Lomonosov Moscow State University,</i> <i><sup>2</sup>Tsotne Mirtskhulava Water Management Institute of Georgian Technical University</i></p>
<b>18:00-19:30</b>	<p><b>Gala dinner (The Hampton by Hilton Chengdu WCIEC, 26F)</b></p>
<p><b>Tuesday 24 September</b> <b>Venue: Academic Hall, Floor 1, Institute of Mountain Hazards and Environment</b></p>	
<p><b>Keynote Session</b> <b>Session 1. Dynamic mechanism and simulation</b> <b>Conveners: Ko-Fei LIU &amp; Ming CHANG</b></p>	
<b>Time</b>	<b>Details</b>
<b>09:30-09:50</b>	<p><b>Evolution of debris flow disasters under the background of non-equilibrium water cycle</b></p> <p><i><u>Tongliang GONG</u></i></p> <p><i>Xizang Agriculture and Animal Husbandry University</i></p>



09:50-10:10	<p><b>Reconstruction of a debris flow in the Sultan-Gara-Su River valley in October 2022 (northeastern slope of Mt. Elbrus)</b></p> <p><u>Elena SAVERNYUK<sup>1</sup></u>, <u>Viktoriia IUDINA<sup>1</sup></u>, <u>Karina VISKHADZHIEVA<sup>1</sup></u>, <u>Evgeniy KHARKOVETS<sup>1</sup></u>, <u>Mikhail DOKUKIN<sup>2</sup></u>, <u>Akhmat AKAEV<sup>2</sup></u>, <u>Sergey CHERNOMORETS<sup>1</sup></u></p> <p><i>Lomonosov Moscow State University<sup>1</sup>, High-Mountain Geophysical Institute<sup>2</sup></i></p>
10:10-10:30	<p><b>Experimental research on the initiation of high potential energy debris flow - case study of the Chutou Gully, China</b></p> <p><u>Mingtao DING</u>, <u>Tao HUANG</u></p> <p><i>Faculty of Geosciences and Environmental Engineering, Southwest Jiaotong University</i></p>
10:30-10:50	<p><b>Simulation of the whole generation process of post-fire debris flows at Ren'e Yong gully in China</b></p> <p><u>Yan WANG<sup>1</sup></u>, <u>Xiewen HU<sup>2</sup></u>, <u>Yongbo TIE<sup>1</sup></u>, <u>Kun HE<sup>2</sup></u>, <u>Xichao CAO<sup>2</sup></u>, <u>Tao JIN<sup>2</sup></u></p> <p><i><sup>1</sup>Chengdu Center of China Geological Survey (Geosciences Innovation Center of Southwest China), <sup>2</sup>Faculty of Geosciences and Environmental Engineering, Southwest Jiaotong University</i></p>
<p><b>Session 1. Dynamic mechanism and simulation</b>  <b>Conveners: Ko-Fei LIU &amp; Ming CHANG</b></p>	
11:10-11:25	<p><b>Prediction of debris flow blocking river hazard chain by the numerical simulation: the Cutou catchment, Wenchuan County, China</b></p> <p><u>Xianzheng ZHANG<sup>1,2,3</sup></u>, <u>Yongbo TIE<sup>1,2,3</sup></u>, <u>C.X. TANG<sup>4</sup></u>, <u>Y.J. YU<sup>5</sup></u>, <u>L.F. GONG<sup>1,2,3</sup></u>, <u>J. XIONG<sup>4</sup></u></p> <p><i><sup>1</sup>Chengdu Center of China Geological Survey (Geosciences Innovation Center of Southwest China), <sup>2</sup>Technology innovation center for risk prevention and mitigation of geohazard, Ministry of Natural Resources, <sup>3</sup>Observation and Research Station of Chengdu Geological Hazards, Ministry of Natural Resources, <sup>4</sup>Key Laboratory of Mountain Surface Process and Hazards, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, <sup>5</sup>The Second Institute of Surveying and Mapping, Department of Natural Resources of Hebei Province</i></p>
11:25-11:40	<p><b>Investigating the influence of ground sill array density on debris flow behavior using numerical simulations</b></p> <p><u>Litan DEY</u>, <u>Chyan-Deng JAN</u></p> <p><i>Taiwan Cheng Kung University</i></p>
11:40-11:55	<p><b>Geophysical mass flow simulation with material point method</b></p> <p><u>Xiaopeng ZHANG</u>, <u>Kaiheng HU</u></p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>



11:55-12:10	<p><b>Impact behavior of dense debris flows regulated by pore-pressure feedback</b></p> <p><u>Qian CHEN</u>, <u>Dongri SONG</u>, <u>Xiaoqing CHEN</u>, <u>Hamed SADEGHI</u>, <u>Wei ZHONG</u>, <u>Huawei HU</u>, <u>Wei LIU</u></p> <p><i>University of Chinese Academy of Sciences</i></p>
13:10-14:00	<p><b>Visiting Key Laboratory of Mountain Hazards and Earth Surface Processes (Debris-flow experimental hall)</b></p>
<p><b>Keynote Session</b> <b>Session 2: Regional distribution and landscape</b> <b>Conveners: Olga BARYKINA &amp; Tien-Chien CHEN</b></p>	
14:00-14:20	<p><b>Thick alluvial fans – indicator of past river's damming</b></p> <p><u>Alexander STROM</u></p> <p><i>JSC "Institute Hydroproject", RusHydro</i></p>
14:20-14:40	<p><b>Cascading mode of landslide and debris flow processes in the Valley of Geysers (Kamchatka, Russia)</b></p> <p><u>Oleg ZERKAL</u>, <u>Olga BARYKINA</u>, <u>Julia FROLOVA</u>, <u>Ilya BOLSHAKOV</u></p> <p><i>Lomonosov Moscow State University</i></p>
14:40-15:00	<p><b>Features of mudflow events in Ile Alatau on July 21, 2023</b></p> <p><u>Tatiana KIRENSKAYA</u><sup>1</sup>, <u>Saniya BEISENBAYEVA</u><sup>2</sup>, <u>Medetkhan ZAPPAROV</u><sup>3</sup>, <u>Murat KASENOV</u><sup>2</sup>, <u>Lidiya NIKIFOROVA</u><sup>4</sup>, <u>Daulet KISEBAYEV</u><sup>5</sup></p> <p><sup>1</sup><i>Institute of Geography and Water Security of the Ministry of Science and Higher Education of the Republic of Kazakhstan</i>, <sup>2</sup><i>State Institution "Kazselezaschita" of the Ministry of Emergency Situations of the Republic of Kazakhstan</i>, <sup>3</sup><i>Satbayev University, Almaty, Kazakhstan</i>, <sup>4</sup><i>Branch of RSE "Kazhydromet" in Almaty and Almaty region</i>, <sup>5</sup><i>Al Farabi Kazakh National University</i></p>
15:00-15:20	<p><b>Specificity of debris flow formation and slope processes development in the Geysernaya River valley (Kamchatka, Russia)</b></p> <p><u>Sergey CHERNOMORETS</u><sup>1</sup>, <u>Ekaterina LEBEDEVA</u><sup>2</sup>, <u>Elena BALDINA</u><sup>1</sup></p> <p><sup>1</sup><i>Lomonosov Moscow State University</i>, <sup>2</sup><i>Institute of Geography, RAS</i></p>
<p><b>Session 2: Regional distribution and landscape</b> <b>Conveners: Olga BARYKINA &amp; Tien-Chien CHEN</b></p>	
15:40-15:55	<p><b>Debris flow as the final process in the cycle of extreme exogenous processes in mountain landscapes</b></p> <p><u>Vadim KARAVAEV</u><sup>1</sup>, <u>Anatoliy GORBUNOV</u><sup>2</sup>, <u>Alla VOSKOVA</u><sup>3</sup>, <u>Sergey BULANOV</u><sup>1</sup>, <u>Aleksey GUNYA</u><sup>1</sup>, <u>Sergey SEMINOZHENKO</u><sup>4</sup>, <u>Marina PETRUSHINA</u><sup>5</sup></p> <p><sup>1</sup><i>Institute of Geography, Russian Academy of Sciences</i>, <sup>2</sup><i>Voronezh State University</i>, <sup>3</sup><i>Moscow General Planning Research and Project Institute</i>, <sup>4</sup><i>Roslesinforg</i>, <sup>5</sup><i>Lomonosov Moscow State University</i></p>



15:55-16:10	<b>Mountain mud flood on the northern slope of the Khamar-Daban ridge in 2019</b> <i>Artem RYBCHENKO, Alyona KADETOVA, Anton YURYEV</i> <i>Institute of the Earth Crust, Siberian Branch, Russian Academy of Sciences</i>
16:10-16:35	<b>Characteristics, driving factors of spatial and temporal variations of the Yunnan section of the Salween River mainstream</b> <i>Jiajia ZHANG</i> <i>Institute of Exploration Technology, CGS; Technology Innovation Center for Risk Prevention and Mitigation of Geohazard, Ministry of Natural Resources</i>
16:35-16:50	<b>Development, hypermobility, and dam breaking of the giant Basu rockslide in the Bangonghu – Nujiang suture zone, southeastern Tibetan Plateau</b> <i>Yunjian GAO</i> <i>Chengdu Center of China Geological Survey (Geosciences Innovation Center of Southwest China)</i>
16:50-17:05	<b>Assessment of channel narrowness effects on debris-flow erosion</b> <i>Lan NING<sup>1,2</sup>, Kaiheng HU<sup>1</sup>, Pu LI<sup>1</sup></i> <i><sup>1</sup>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, <sup>2</sup>University of Chinese Academy of Sciences</i>
17:30-18:30	<b>Dinner (Tiandirenhe Restaurant, 2F)</b>

**Tuesday 24 September**

**Venue: Room 619, Institute of Mountain Hazards and Environment**

**Keynote Session**

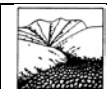
**Session 3: Risk assessment and forecasting**

**Conveners: Sergey SOKRATOV & Jianqi ZHUANG**

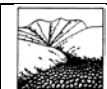
Time	Details
09:30-09:50	<b>Potential Assessment Model of The Channelized Debris Flow in Sedimentary Rock Region—Based on the Potentiality of Hillslope Debris Flows</b> <i>Tien-Chien CHEN, Yu-Shan HSU, Ming-Hsiu CHUNG</i> <i>Pingtung University of Science and Technology</i>
09:50-10:10	<b>An approach to flash flood risk assessment for the problem territories in Uzbekistan</b> <i>Aleksandr MERKUSHKIN, Gennadiy TROFIMOV, Sergey KLIMOV</i> <i>United Nations Development Programme Uzbekistan</i>
10:10-10:30	<b>Integrated Risk Assessment of Landslide in Karst Terrains: Advancing Landslides Management in Beiliu City, China</b> <i>Boju ZHAO, Ming CHANG, Xisong ZHU</i> <i>Chengdu University of Technology</i>

**Session 3: Risk assessment and forecasting**

**Conveners: Sergey SOKRATOV & Jianqi ZHUANG**



11:10-11:25	<p><b>Hazard Potential Change for Rain Induced Debris Flow in Silty Clay Mudstone Environment After Large Earthquake and Continuous Rainfall Sediment Deposit</b></p> <p><b><u>Bing-Shyan LIN</u>, Hui-Chi HSU, Wen-Yung CHIU, Fan-Ying KUO</b></p> <p><i>Feng Chia University</i></p>
11:25-11:40	<p><b>Mapping the territories of the mountain-foothill zone of Tajikistan exposed to natural hazards</b></p> <p><b><u>Mustafo SAFAROV</u><sup>1,2</sup>, Ali FAZYLOV<sup>3</sup>, Shichang KANG<sup>1</sup>, Majid GULAYOZOV<sup>2</sup>, Abhishek BANERJEE<sup>1</sup>, Hofiz NAVRUZSHOEV<sup>2</sup>, Yunus MAMADJONOV<sup>2</sup></b></p> <p><sup>1</sup>Northwest Institute of Eco-Environment and Resources Chinese Academy of Sciences, <sup>2</sup>Research Center for Ecology and Environment of Central Asia (Dushanbe), <sup>3</sup>Institute of Water Problems, Hydropower and Ecology of the National Academy of Sciences of Tajikistan, <sup>4</sup>Glacier Study Center of the National Academy of Sciences of Tajikistan</p>
11:40-11:55	<p><b>The spatial mismatch between debris flow hazard and ecological vulnerability</b></p> <p><b><u>Zengli PEI</u></b></p> <p><i>University of Chinese Academy of Sciences</i></p>
13:10-14:00	<p><b>Visiting Key Laboratory of Mountain Hazards and Earth Surface Processes (Debris-flow experimental hall)</b></p>
<p><b>Keynote Session</b></p> <p><b>Session 4: Field observation and Meteorology</b></p> <p><b>Conveners: Alexander STROM &amp; Mingtao DING</b></p>	
14:00-14:20	<p><b>Field observation and key findings of the dynamic characteristics of debris flow in Jiangjia Ravine, China</b></p> <p><b><u>Dongri SONG</u></b></p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>
14:20-14:40	<p><b>Rainfall thresholds for the occurrence of debris flow in the Jiangjia Gully, Yunnan Province, China</b></p> <p><b><u>Jianqi ZHUANG</u></b></p> <p><i>School of Geological Engineering and Surveying of Changan University</i></p>
14:40-15:00	<p><b>Debris-flow characteristic triggering rainfalls recorded in the Shenmu area of central Taiwan: an Update</b></p> <p><b><u>Yi-Min HUANG</u><sup>1</sup>, S.L. CHEN<sup>2</sup>, Yao-Min FANG<sup>2</sup></b></p> <p><sup>1</sup>Kaohsiung University of Science and Technology, <sup>2</sup>Feng Chia University</p>
15:00-15:20	<p><b>Quantitative risk assessment of glacial lake outburst floods (GLOFs) along the China-Nepal traffic corridor by integrating remote sensing, data-driven approach and hydrodynamic modeling</b></p> <p><b><u>Manish GOULI</u><sup>1,2</sup>, Kaiheng HU<sup>1</sup></b></p> <p><sup>1</sup>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, <sup>2</sup>University of Chinese Academy of Sciences</p>



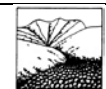
**Session 4: Field observation and Meteorology**  
**Conveners: Alexander STROM & Mingtao DING**

15:40-15:55	<p><b>The spread and features of the manifestation of mudflows at the all-season tourist and recreational complex "Mamison"</b></p> <p><i>Anatoliy ADZHIEV<sup>1</sup>, Natalia KONDRATYEVA<sup>1</sup>, Alan KORTIEV<sup>2</sup>, <u>Zalina KEREFOVA<sup>1</sup></u></i></p> <p><i><sup>1</sup>High Mountain Geophysical Institute, Roshydromet, <sup>2</sup>North Caucasus Mining and Metallurgical Institute (State Technological University)</i></p>
15:55-16:10	<p><b>Quantifying the impact of earthquakes and geological factors on spatial heterogeneity of debris-flow prone areas: a case study in the Hengduan Mountains</b></p> <p><i><u>Gujie DING</u>, Xudong HU</i></p> <p><i>China Three Gorges University</i></p>
16:10-16:35	<p><b>Feasibility of satellite-based rainfall and soil moisture data in determining the triggering conditions of debris flow: The Jiangjia Gully (China) case study</b></p> <p><i><u>Hongjuan YANG</u>, Kaiheng HU, Shaojie ZHANG, Shuang LIU</i></p> <p><i>Key Laboratory of Mountain Hazards and Earth Surface Process, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>
16:35-16:50	<p><b>Higher risk of riverfront buildings due to excess sediment input by debris flows</b></p> <p><i><u>Li WEI</u>, Kaiheng HU</i></p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>
17:30-18:30	<b>Dinner (Tiandirenhe Restaurant, 2F)</b>

**Wednesday 25 September**  
**Venue: Academic Hall, Floor 1, Institute of Mountain Hazards and Environment**

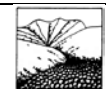
**Keynote Session**  
**Session 5: Debris flows in snow and ice environment (I)**  
**Conveners: Yulia FROLOVA & Chao MA**

Time	Details
09:30-09:50	<p><b>Relation of debris flow events to synoptic situations at the Black Sea coast of the Caucasus</b></p> <p><i>Pavel TOROPOV, <u>Sergey SOKRATOV</u>, Pavel GREBENNIKOV, Aleksandr SHNYPARKOV</i></p> <p><i>Lomonosov Moscow State University</i></p>
09:50-10:10	<p><b>Identification, mechanism and prevention of debris flow from glacial till in southeast Qinghai-Xizang Plateau</b></p> <p><i><u>Yongbo TIE</u>, Lingfeng GONG, Jingtao LIANG, Xianzheng Zhang</i></p> <p><i>Department of Geological Safety Assessment, Chengdu Center of China Geological Survey (Geosciences Innovation Center of Southwest China)</i></p>

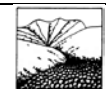


10:10-10:30	<p><b>Meteorological conditions for the formation of water-ice flows on mountain rivers of Ile Alatau</b></p> <p><b><u>Vitaliy ZHDANOV</u></b></p> <p><i>Institute of Geography and Water Security of the Ministry of Science and Higher Education of the Republic of Kazakhstan</i></p>
10:30-10:50	<p><b>Shovi catastrophic collapse and debris flow in the Caucasus Mountains (Georgia) August 3, 2023</b></p> <p><b><u>Sergey CHERNOMORETS</u><sup>1</sup>, Georgy LOMINADZE<sup>2</sup>, Givi GAVARDASHVILI<sup>3</sup>, Elena SAVERNYUK<sup>1</sup>, Nodar VARAMASHVILI<sup>4</sup>, Zurab KERESLIDZE<sup>4</sup>, Merab GONGADZE<sup>2</sup>, Anna SAYAPINA<sup>5</sup></b></p> <p><i><sup>1</sup>Lomonosov Moscow State University, <sup>2</sup>Vakhushti Bagrationi Institute of Geography, Tbilisi State University, <sup>3</sup>Tsotne Mirtskhulava Institute of Water Management, Georgian Technical University, <sup>4</sup>Mikheil Nodia Institute of Geophysics, Georgian Technical University, <sup>5</sup>North-Ossetian Division of the Geophysical Survey of the Russian Academy of Sciences</i></p>
<p><b>Session 5: Debris flows in snow and ice environment (I)</b> <b>Conveners: Yulia FROLOVA &amp; Chao MA</b></p>	
11:10-11:25	<p><b>Debris flows and landslides on Mt. Shalbudzag (Dagestan, Russia)</b></p> <p><b><u>Elena SAVERNYUK, Oleg ZERKAL, Sergey CHERNOMORETS</u></b></p> <p><i>Lomonosov Moscow State University</i></p>
11:25-11:40	<p><b>Machine Learning Tree-based Insights into Debris Flow Susceptibility and Runout Dynamics in the Higher Himalayas</b></p> <p><b><u>Jie DOU, Hamza DAUD</u></b></p> <p><i>China University of Geosciences, Badong National Observation and Research Station of Geohazards</i></p>
11:40-11:55	<p><b>Mud flow protective structures installation in narrow right of way</b></p> <p><b><u>Ivan BOGDANOV</u></b></p> <p><i>"GEOIZOL Project" LLC</i></p>
11:55-12:10	<p><b>Structural features of ancient mudflow cones in the upper part of the Mzymta River valley</b></p> <p><b><u>Andrey PONOMAREV, Aleksandr PONOMAREV, Oleg ZERKAL</u></b></p> <p><i>"Engprotection" LLC<sup>1</sup>, Lomonosov Moscow State University<sup>2</sup></i></p>
<p><b>Keynote Session</b> <b>Session 6: Debris flows in snow and ice environment (II)</b> <b>Conveners: Sven FUCHS &amp; Lingfeng GONG</b></p>	
14:00-14:20	<p><b>Experience of the Aga Khan Agency for Habitat (AKAH) in assessing glacial lakes and modeling the possible outburst of high mountain lakes</b></p> <p><b><u>Yusuf RAIMBEKOV</u></b></p> <p><i>Aga Khan Agency for Habitat</i></p>

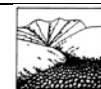




14:20-14:40	<p><b>Periglacial debris flow reconstruction in the alpine-humid region of Himalayas: relationship with temperature and seismic event</b></p> <p><u><b>Chao MA</b></u> <i>Beijing Forestry University</i></p>
14:40-15:00	<p><b>Debris flow processes on Arctic islands</b></p> <p><u><b>Fedor ROMANENKO</b></u> <i>Lomonosov Moscow State University</i></p>
15:00-15:20	<p><b>Landscape dynamics as result of debris flow activity in the XXI century in the mountainous regions of Western and Central Caucasus</b></p> <p><u><b>Marina PETRUSHINA</b></u> <i>Lomonosov Moscow State University</i></p>
<p><b>Session 6: Debris flows in snow and ice environment (II)</b> <b>Conveners: Sven FUCHS &amp; Lingfeng GONG</b></p>	
15:40-15:55	<p><b>Gullies and landslides as one of the factors of debris flows occurrence in the conditions of plain territories</b></p> <p><u><b>Ivan RYSIN, Ivan GRIGORIEV</b></u> <i>Udmurt State University</i></p>
15:55-16:10	<p><b>Mudflow and flood hazards assessment of the southern part of the Southern part of the Fergana Valley river basins</b></p> <p><u><b>Olga KALASHNIKOVA<sup>1</sup>, Iuliia RADCHENKO<sup>2</sup>, Zoya KRETOVA<sup>3</sup></b></u> <i><sup>1</sup>Central Asian Institute for Applied Geosciences, <sup>2</sup>Scientific Foundation Nansen International Environmental and Remote Sensing Centre, <sup>3</sup>The Center for Natural Resources and Sustainable Development at the Kazakh-German University</i></p>
16:10-16:25	<p><b>Development history of typical debris flow in the Grand Bend of Yarlung Zangbo River since the Holocene</b></p> <p><u><b>Lingfeng GONG</b></u> <i>Chengdu Center, China Geological Survey (Geosciences Innovation Center of Southwest China)</i></p>
16:25-16:40	<p><b>Interannual variability of mudflow activity in the mountainous regions of Ile Alatau</b></p> <p><u><b>Ulzhan ALDABERGEN</b></u> <i>Institute of Geography and Water Security; Al Farabi Kazakh National University</i></p>
16:40-17:10	<p><b>DISCUSSION</b></p>
17:10-17:15	<p><b>Award for the outstanding oral and poster presentation</b></p>
17:15-17:25	<p><b>Publish in Journal of Mountain Science: Make your research quickly known around the world</b></p> <p><u><b>Dunlian OIU</b></u> <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>



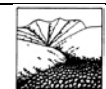
<b>17:25-17:55</b>	<b>Closing Ceremony</b>
<b>Wednesday 25 September</b> <b>Venue: Room 619, Institute of Mountain Hazards and Environment</b>	
<b>Keynote Session</b> <b>Session 7: Monitoring and engineering mitigation</b> <b>Conveners: Givi GAVARDASHVILI &amp; Tun WANG</b>	
Time	Details
<b>09:30-09:50</b>	<b>Practical mechanics of highway debris flow and its application</b> <u>Hongkai CHEN</u> <i>China West Normal University</i>
<b>09:50-10:10</b>	<b>Detecting the debris-flow frontal velocity by the mud droplets Impinging on rigid surfaces</b> <i>Kuan-Ling HUANG, <u>Hsien-Ter CHOU</u></i> <i>Taiwan Central University</i>
<b>10:10-10:30</b>	<b>How are debris flow velocity and flow height linked? A field study of four events observed at Illgraben, Switzerland</b> <i><u>Tobias SCHÖFFL</u><sup>1,3</sup>, <u>Brian MCARDELL</u><sup>2</sup>, <u>Richard KOSCHUCH</u><sup>3</sup>, <u>Helmut SCHREIBER</u><sup>4</sup>, <u>Christof GRAF</u><sup>2</sup>, <u>Johannes HÜBL</u><sup>1</sup>, <u>Roland KAITNA</u><sup>1</sup></i> <i><sup>1</sup>BOKU, Institute of Mountain Risk Engineering (IAN), Vienna, <sup>2</sup>Swiss Federal Institute for Forest, Snow and Landscape Research, <sup>3</sup>IBTP Koschuch, <sup>4</sup>Graz University of Technology</i>
<b>10:30-10:50</b>	<b>Risk assessment and natural hazard protection for infrastructure in mountainous regions</b> <u>Elena GAROVA</u> <i>"PK Trumer" LLC</i>
<b>Keynote Session</b> <b>Session 8: Early warning and disaster mitigation</b> <b>Conveners: Dongri SONG &amp; Hsien-Ter CHOU</b>	
<b>14:00-14:20</b>	<b>Extreme Rainfall Event Affecting a Brazilian Pipeline – Emergencial Evaluation and Mitigation Works</b> <i><u>Hudson Régis OLIVEIRA</u>, <u>Wanderley Camargo RUSSO JR.</u>, <u>Pedro Victor Serra Mascarenhas</u>, <u>Thiago da Costa Santos</u>, <u>Joao Duarte Guimaraes Neto</u></i> <i>Petrobras Transporte SA - TRANSPETRO</i>
<b>14:20-14:40</b>	<b>A physics-based model to derive rainfall intensity-duration threshold for debris flow</b> <u>Shaojie ZHANG</u> <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>



<b>14:40-15:00</b>	<p><b>MODIS imagery-based water content forecasting methodology for the Kyzylsu River</b></p> <p><b><u>Jafar NIYAZOV</u><sup>1</sup>, Olga KALASHNIKOVA<sup>2</sup>, Changming ZHU<sup>3</sup></b></p> <p><i><sup>1</sup>Institute of Water Problems, Hydropower and Ecology of the National Academy of Sciences of Tajikistan, <sup>2</sup>Central Asian Institute for Applied Geosciences, <sup>3</sup>Jiangsu Normal University</i></p>
<p><b>Session 8: Early warning and disaster mitigation</b></p> <p><b>Conveners: Dongri SONG &amp; Hsien-Ter CHOU</b></p>	
<b>15:40-15:55</b>	<p><b>Debris flow entrainment in non-uniform channels</b></p> <p><b><u>Pu LI</u>, Kaiheng HU</b></p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>
<b>15:55-16:10</b>	<p><b>A comparison of Russian and international standards for debris flow parameters calculation (for a section of the Baikal-Amur Mainline)</b></p> <p><b><u>Alexander PEDANOV</u></b></p> <p><i>Lomonosov Moscow State University</i></p>
<p><b>Poster Presentations</b></p> <p><b>Venue: Floor 1, Institute of Mountain Hazards and Environment</b></p>	
<b>Poster NO.</b>	<b>Details</b>
<b>DF-001</b>	<p><b>Vegetation Recovery and Debris Flow Effects Following Tropical Cyclone-Induced Disturbances in Eastern Cuba</b></p> <p><b><u>Ricardo DELGADO TELLEZ</u>, Nicasio VIÑA-DÁVILA<sup>2</sup>, Arisleidys PEÑA-DE LA CRUZ<sup>3</sup>, Yasmira SAVÓN-VACIANO<sup>3</sup></b></p> <p><i><sup>1</sup>Mountain Development Centre, Environmental Agency, Cuba, <sup>2</sup>Caribbean Biological Corridor Secretariat, <sup>3</sup>Cuban Meteorological Institute</i></p>
<b>DF-002</b>	<p><b>Potential recognition of flash flood disasters in small watersheds in China's Southwestern Mountainous areas considering source supply conditions</b></p> <p><b><u>Haizhi LIU</u><sup>1</sup>, Xui XU<sup>1</sup>, Hongjun BAO<sup>1</sup>, Qiaoyun SONG<sup>1</sup>, Tong SUN<sup>2</sup>, Zimu LIU<sup>3</sup>, Binyan WANG<sup>4</sup>, Yumei LI<sup>1</sup>, Jingyue DI<sup>1</sup></b></p> <p><i><sup>1</sup>National Meteorological Center, China Meteorological Administration, <sup>2</sup>Sichuan University, <sup>3</sup>Sichuan Meteorological Service Center, <sup>4</sup>Sichuan Meteorological Observatory</i></p>
<b>DF-003</b>	<p><b>Assessing debris flows hazard from morphometric criteria: an example of application in southern Brazil</b></p> <p><b><u>Julio Cesar LANA</u></b></p> <p><i>Geological Survey of Brazil</i></p>



<p><b>DF-004</b></p>	<p><b>High mountain lakes of Uzbekistan and transboundary territories as a potential source of mudflows</b> <i><u>Irina DERGACHEVA</u><sup>1</sup>, Mirdjakhongir MIRDJAPAROV<sup>2</sup></i> <i><sup>1</sup>Scientific Research Hydrometeorological Institute of Uzbekistan, <sup>2</sup>United Nations Development Programme Uzbekistan</i></p>
<p><b>DF-005</b></p>	<p><b>Debris flows and climate dynamics in natural areas of Eastern Cuba</b> <i><u>Arisleidys PEÑA-DE LA CRUZ</u><sup>1</sup>, Ricardo DELGADO-TÉLLEZ<sup>2</sup>, Mingtao DING<sup>3</sup>, Yasmira SAVÓN-VACIANO<sup>1</sup></i> <i><sup>1</sup>Cuban Meteorological Institute, <sup>2</sup>Mountain Development Centre, Environmental Agency, Cuba, <sup>3</sup>Faculty of Geosciences and Environmental Engineering, Southwest Jiaotong University</i></p>
<p><b>DF-006</b></p>	<p><b>Experimental study of the dynamics of debris flow wavefront advance in a high slope stream</b> <i><u>Samuel Ismael QUISCA</u></i> <i>School of Civil Engineering – Universidad Nacional Mayor de San Marcos</i></p>
<p><b>DF-007</b></p>	<p><b>Outcomes of bathymetric survey and modelling of breakout lakes in Tajikistan</b> <i><u>Ubaidullo PIRMAMADOV</u>, <u>Yusuf RAIMBEKOV</u></i> <i>Aga Khan Agency for Habitat</i></p>
<p><b>DF-008</b></p>	<p><b>Validation of avalancheFoam software for calculating natural flows with the bottom material entrainment</b> <i><u>Darya ROMANOVA</u><sup>1,2</sup>, Margarita EGLIT<sup>1</sup>, <u>Karina VISKHADZHIEVA</u><sup>1</sup></i> <i><sup>1</sup>Lomonosov Moscow State University, <sup>2</sup>Ivannikov Institute for System Programming of the Russian Academy of Sciences</i></p>
<p><b>DF-009</b></p>	<p><b>Weather background analysis of a mudslide in southeastern Guizhou, China</b> <i><u>Yang GOU</u>, <u>H.M. GAO</u>, <u>Y.T. SONG</u></i> <i>Qiannan Meteorological Bureau</i></p>
<p><b>DF-010</b></p>	<p><b>Preliminary analysis of the cause of geological disasters of landslide accompanied by ‘sand surge’ in Minhe County, Qinghai Province</b> <i><u>Fangxiu ZHANG</u><sup>1,2,3</sup>, <u>Yan GUO</u><sup>1,2,3</sup>, <u>Hui ZHANG</u><sup>4</sup>, <u>Fugui HUANG</u><sup>1,2,3</sup>, <u>Qing FENG</u><sup>1,2,3</sup>, <u>Dongsai HOU</u><sup>4</sup>, <u>Xinwei GUO</u><sup>1,2,3</sup>, <u>Yang ZHOU</u><sup>1,2,3</sup>, <u>Bin LI</u><sup>1,2,3</sup></i> <i>Yellow River Institute of Hydraulic Research, Yellow River Conservancy Commission</i> <i><sup>1</sup>Yellow River Institute of Hydraulic Research, Yellow River Conservancy Commission, <sup>2</sup>Key Laboratory of Lower Yellow River Channel and Estuary Regulation, Ministry of Water Resources, <sup>3</sup>Research Center of Yellow River Basin Conservation and Development, Yellow River Conservancy Commission, <sup>4</sup>Yellow River Engineering Consulting Co. Ltd.</i></p>



<p><b>DF-011</b></p>	<p><b>Effects of structure conservation implementation on landslide and debris flow hazards: A Case Study in Chenyulan Watershed, Taiwan</b></p> <p><u>Wen Shun HUANG</u>, <u>Jinn-Chyi CHEN</u>, <u>Jian-Qiang FAN</u>, <u>Xi-Zhu LAI</u>, <u>Feng-Bin LI</u>, <u>Gui-Liang LI</u></p> <p><i>Fujian College of Water Conservancy and Electric Power, School of Hydraulic Engineering</i></p>
<p><b>DF-012</b></p>	<p><b>Numerical modelling of hyperconcentrated flows in the urban areas subject to flash flood</b></p> <p><u>Ruixun LAI</u>, <u>Ping WANG</u>, <u>Xinwen ZHANG</u>, <u>Xiaoli ZHANG</u>, <u>Pengfei HE</u></p> <p><i>Yellow River Institute of Hydraulic Research, Yellow River Conservancy Commission, Key Laboratory of Lower Yellow River Channel and Estuary Regulation, Ministry of Water Resources</i></p>
<p><b>DF-013</b></p>	<p><b>The Applicability of a Rainfall-Induced Debris Flow Warning Model: A Case from Typhoon Khanun in Nantou County, Taiwan, 2023</b></p> <p><u>Jinn-Chyi CHEN</u>, <u>Wen-Sun HUANG</u>, <u>Xi-Zhu LAI</u>, <u>Jian-Qiang FAN</u>, <u>Feng-Bin LI</u>, <u>Gui-Liang LI</u></p> <p><i>School of Hydraulic Engineering, Fujian College of Water Conservancy and Electric Power, and previously Huafan University</i></p>
<p><b>DF-014</b></p>	<p><b>Evaluating earthquake-induced landslide potential under different scenarios using empirical landslide fragility model - A Case study on Taiwan</b></p> <p><u>Hsieh Meng-Hsun</u></p> <p><i>China University of Technology, Department of Civil Engineering and Hazard Mitigation</i></p>
<p><b>DF-015</b></p>	<p><b>Simulation analysis of debris flow caused by dam break in construction waste disposal site based on EDDA</b></p> <p><u>Kun HE</u>, <u>Fuyuan CHEN</u>, <u>Haiyan LU</u>, <u>Junfeng MA</u></p> <p><i>Zhejiang Institute of Hydraulics &amp; Estuary (Zhejiang Institute of Marine Planning and Design)</i></p>
<p><b>DF-016</b></p>	<p><b>A stochastic process generating temporal structures of debris flow surges</b></p> <p><u>Jun ZHANG</u></p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>
<p><b>DF-017</b></p>	<p><b>Securing landslides with pile structures</b></p> <p><u>Yury MAZHAYSKIY</u>, <u>Nikolay SHESHENEV</u></p> <p><i>Meshcherskiy Branch of Federal State Budgetary Scientific Institution "Federal Scientific Center Hydrotechnics and Melioration named after A.N. Kostyakov"</i></p>



**Thursday 26 September, 08:30 - 18:30**  
**Field Seminar**

**Debris flow catchments in Minjiang River valley: Qipan Gully, Niujuan Gully. Visit to Museum of the Wenchuan Earthquake in Yingxiu**

**Friday 27 September, 09:00 - 16:00**  
**Field seminar**

**Dujiangyan irrigation system**