



**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

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



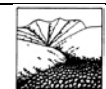
14:30-15:00	<p>Experience in creation of integrated protection from debris flows on the example of the Ulken Almaty River basin</p> <p><i>Akhmetkal MEDEU, <u>Nikolai POPOV</u>, Sandugash RANOVA, Aidana KAMALBEKOVA, Ulzhan ALDABERGEN</i></p> <p><i>Institute of Geography and Water Security of the Ministry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



09:50-10:10	<p>Reconstruction of a debris flow in the Sultan-Gara-Su River valley in October 2022 (northeastern slope of Mt. Elbrus)</p> <p><i><u>Elena SAVERNYUK</u>¹, Viktoriia IUDINA¹, Karina VISKHADZHIEVA¹, Evgeniy KHARKOVETS¹, Mikhail DOKUKIN², Akhmat AKAEV², Sergey CHERNOMORETS¹</i></p> <p><i>Lomonosov Moscow State University¹, High-Mountain Geophysical Institute²</i></p>
10:10-10:30	<p>Experimental research on the initiation of high potential energy debris flow - case study of the Chutou Gully, China</p> <p><i><u>Mingtao DING</u>, <u>Tao HUANG</u></i></p> <p><i>Faculty of Geosciences and Environmental Engineering, Southwest Jiaotong University</i></p>
10:30-10:50	<p>Simulation of the whole generation process of post-fire debris flows at Ren'e Yong gully in China</p> <p><i><u>Yan WANG</u>¹, Xiewen HU², Yongbo TIE¹, Kun HE², Xichao CAO², Tao JIN²</i></p> <p><i>¹Chengdu Center of China Geological Survey (Geosciences Innovation Center of Southwest China), ²Faculty of Geosciences and Environmental Engineering, Southwest Jiaotong University</i></p>
<p>Session 1. Dynamic mechanism and simulation Conveners: Ko-Fei LIU & Ming CHANG</p>	
11:10-11:25	<p>Prediction of debris flow blocking river hazard chain by the numerical simulation: the Cutou catchment, Wenchuan County, China</p> <p><i><u>Xianzheng ZHANG</u>^{1,2,3}, Yongbo TIE^{1,2,3}, C.X. TANG⁴, Y.J. YU⁵, L.F. GONG^{1,2,3}, J. XIONG⁴</i></p> <p><i>¹Chengdu Center of China Geological Survey (Geosciences Innovation Center of Southwest China), ²Technology innovation center for risk prevention and mitigation of geohazard, Ministry of Natural Resources, ³Observation and Research Station of Chengdu Geological Hazards, Ministry of Natural Resources, ⁴Key Laboratory of Mountain Surface Process and Hazards, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, ⁵The Second Institute of Surveying and Mapping, Department of Natural Resources of Hebei Province</i></p>
11:25-11:40	<p>Investigating the influence of ground sill array density on debris flow behavior using numerical simulations</p> <p><i><u>Litan DEY</u>, Chyan-Deng JAN</i></p> <p><i>Taiwan Cheng Kung University</i></p>
11:40-11:55	<p>Geophysical mass flow simulation with material point method</p> <p><i><u>Xiaopeng ZHANG</u>, Kaiheng HU</i></p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>



11:55-12:10	<p>Impact behavior of dense debris flows regulated by pore-pressure feedback <u><i>Qian CHEN, Dongri SONG, Xiaoqing CHEN, Hamed SADEGHI, Wei ZHONG, Huawei HU, Wei LIU</i></u> <i>University of Chinese Academy of Sciences</i></p>
13:10-14:00	<p>Visiting Key Laboratory of Mountain Hazards and Earth Surface Processes (Debris-flow experimental hall)</p>
<p>Keynote Session Session 2: Regional distribution and landscape Conveners: Olga BARYKINA & Tien-Chien CHEN</p>	
14:00-14:20	<p>Thick alluvial fans – indicator of past river's damming <u><i>Alexander STROM</i></u> <i>JSC "Institute Hydroproject", RusHydro</i></p>
14:20-14:40	<p>Cascading mode of landslide and debris flow processes in the Valley of Geysers (Kamchatka, Russia) <u><i>Oleg ZERKAL, Olga BARYKINA, Julia FROLOVA, Ilya BOLSHAKOV</i></u> <i>Lomonosov Moscow State University</i></p>
14:40-15:00	<p>Features of mudflow events in Ile Alatau on July 21, 2023 <u><i>Tatiana KIRENSKAYA¹, Saniya BEISENBAYEVA², Medetkhan ZAPPAROV³, Murat KASENOV², Lidiya NIKIFOROVA⁴, Daulet KISEBAYEV⁵</i></u> ¹<i>Institute of Geography and Water Security of the Ministry of Science and Higher Education of the Republic of Kazakhstan,</i> ²<i>State Institution "Kazselezaschita" of the Ministry of Emergency Situations of the Republic of Kazakhstan,</i> ³<i>Satbayev University, Almaty, Kazakhstan,</i> ⁴<i>Branch of RSE "Kazhydromet" in Almaty and Almaty region,</i> ⁵<i>Al Farabi Kazakh National University</i></p>
15:00-15:20	<p>Specificity of debris flow formation and slope processes development in the Geysernaya River valley (Kamchatka, Russia) <u><i>Sergey CHERNOMORETS¹, Ekaterina LEBEDEVA², Elena BALDINA¹</i></u> ¹<i>Lomonosov Moscow State University,</i> ²<i>Institute of Geography, RAS</i></p>
<p>Session 2: Regional distribution and landscape Conveners: Olga BARYKINA & Tien-Chien CHEN</p>	
15:40-15:55	<p>Debris flow as the final process in the cycle of extreme exogenous processes in mountain landscapes <u><i>Vadim KARAVAEV¹, Anatoliy GORBUNOV², Alla VOSKOVA³, Sergey BULANOV¹, Aleksey GUNYA¹, Sergey SEMINOZHENKO⁴, Marina PETRUSHINA⁵</i></u> ¹<i>Institute of Geography, Russian Academy of Sciences,</i> ²<i>Voronezh State University,</i> ³<i>Moscow General Planning Research and Project Institute,</i> ⁴<i>Roslesinforg,</i> ⁵<i>Lomonosov Moscow State University</i></p>



15:55-16:10	Mountain mud flood on the northern slope of the Khamar-Daban ridge in 2019 <u>Artem RYBCHENKO</u>, Alyona KADETOVA, Anton YURYEV <i>Institute of the Earth Crust, Siberian Branch, Russian Academy of Sciences</i>
16:10-16:35	Characteristics, driving factors of spatial and temporal variations of the Yunnan section of the Salween River mainstream <u>Jiajia ZHANG</u> <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	Development, hypermobility, and dam breaking of the giant Basu rockslide in the Bangonghu – Nujiang suture zone, southeastern Tibetan Plateau <u>Yunjian GAO</u> <i>Chengdu Center of China Geological Survey (Geosciences Innovation Center of Southwest China)</i>
16:50-17:05	Assessment of channel narrowness effects on debris-flow erosion <u>Lan NING</u>^{1,2}, Kaiheng HU¹, Pu LI¹ ¹ <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences,</i> ² <i>University of Chinese Academy of Sciences</i>
17:30-18:30	Dinner (Tiandirenhe Restaurant, 2F)

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

Session 3: Risk assessment and forecasting

Conveners: Sergey SOKRATOV & Jianqi ZHUANG



11:10-11:25	<p>Hazard Potential Change for Rain Induced Debris Flow in Silty Clay Mudstone Environment After Large Earthquake and Continuous Rainfall Sediment Deposit</p> <p><u>Bing-Shyan LIN</u>, Hui-Chi HSU, Wen-Yung CHIU, Fan-Ying KUO</p> <p><i>Feng Chia University</i></p>
11:25-11:40	<p>Mapping the territories of the mountain-foothill zone of Tajikistan exposed to natural hazards</p> <p><u>Mustafo SAFAROV</u>^{1,2}, Ali FAZYLOV³, Shichang KANG¹, Majid GULAYOZOV², Abhishek BANERJEE¹, Hofiz NAVRUZSHOEV², Yunus MAMADJONOV²</p> <p>¹Northwest Institute of Eco-Environment and Resources Chinese Academy of Sciences, ²Research Center for Ecology and Environment of Central Asia (Dushanbe), ³Institute of Water Problems, Hydropower and Ecology of the National Academy of Sciences of Tajikistan, ⁴Glacier Study Center of the National Academy of Sciences of Tajikistan</p>
11:40-11:55	<p>The spatial mismatch between debris flow hazard and ecological vulnerability</p> <p><u>Zengli PEI</u></p> <p><i>University of Chinese Academy of Sciences</i></p>
13:10-14:00	<p>Visiting Key Laboratory of Mountain Hazards and Earth Surface Processes (Debris-flow experimental hall)</p>
<p>Keynote Session</p> <p>Session 4: Field observation and Meteorology</p> <p>Conveners: Alexander STROM & Mingtao DING</p>	
14:00-14:20	<p>Field observation and key findings of the dynamic characteristics of debris flow in Jiangjia Ravine, China</p> <p><u>Dongri SONG</u></p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>
14:20-14:40	<p>Rainfall thresholds for the occurrence of debris flow in the Jiangjia Gully, Yunnan Province, China</p> <p><u>Jianqi ZHUANG</u></p> <p><i>School of Geological Engineering and Surveying of Changan University</i></p>
14:40-15:00	<p>Debris-flow characteristic triggering rainfalls recorded in the Shenmu area of central Taiwan: an Update</p> <p><u>Yi-Min HUANG</u>¹, S.L. CHEN², Yao-Min FANG²</p> <p>¹Kaohsiung University of Science and Technology, ²Feng Chia University</p>
15:00-15:20	<p>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</p> <p><u>Manish GOULI</u>^{1,2}, Kaiheng HU¹</p> <p>¹Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, ²University of Chinese Academy of Sciences</p>



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

15:40-15:55	<p>The spread and features of the manifestation of mudflows at the all-season tourist and recreational complex "Mamison"</p> <p><i>Anatoliy ADZHIEV¹, Natalia KONDRATYEVA¹, Alan KORTIEV², <u>Zalina KEREFOVA¹</u></i></p> <p><i>¹High Mountain Geophysical Institute, Roshydromet, ²North Caucasus Mining and Metallurgical Institute (State Technological University)</i></p>
15:55-16:10	<p>Quantifying the impact of earthquakes and geological factors on spatial heterogeneity of debris-flow prone areas: a case study in the Hengduan Mountains</p> <p><i><u>Gujie DING</u>, Xudong HU</i></p> <p><i>China Three Gorges University</i></p>
16:10-16:35	<p>Feasibility of satellite-based rainfall and soil moisture data in determining the triggering conditions of debris flow: The Jiangjia Gully (China) case study</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>Higher risk of riverfront buildings due to excess sediment input by debris flows</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	Dinner (Tiandirenhe Restaurant, 2F)

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

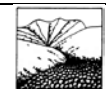
Time	Details
09:30-09:50	<p>Relation of debris flow events to synoptic situations at the Black Sea coast of the Caucasus</p> <p><i>Pavel TOROPOV, <u>Sergey SOKRATOV</u>, Pavel GREBENNIKOV, Aleksandr SHNYPARKOV</i></p> <p><i>Lomonosov Moscow State University</i></p>
09:50-10:10	<p>Identification, mechanism and prevention of debris flow from glacial till in southeast Qinghai-Xizang Plateau</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>



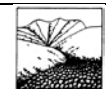
10:10-10:30	<p>Meteorological conditions for the formation of water-ice flows on mountain rivers of Ile Alatau</p> <p><u>Vitaliy ZHDANOV</u></p> <p><i>Institute of Geography and Water Security of the Ministry of Science and Higher Education of the Republic of Kazakhstan</i></p>
10:30-10:50	<p>Shovi catastrophic collapse and debris flow in the Caucasus Mountains (Georgia) August 3, 2023</p> <p><u>Sergey CHERNOMORETS</u>¹, Georgy LOMINADZE², Givi GAVARDASHVILI³, Elena SAVERNYUK¹, Nodar VARAMASHVILI⁴, Zurab KERESLIDZE⁴, Merab GONGADZE², Anna SAYAPINA⁵</p> <p><i>¹Lomonosov Moscow State University, ²Vakhushti Bagrationi Institute of Geography, Tbilisi State University, ³Tsotne Mirtskhulava Institute of Water Management, Georgian Technical University, ⁴Mikheil Nodia Institute of Geophysics, Georgian Technical University, ⁵North-Ossetian Division of the Geophysical Survey of the Russian Academy of Sciences</i></p>
<p>Session 5: Debris flows in snow and ice environment (I) Conveners: Yulia FROLOVA & Chao MA</p>	
11:10-11:25	<p>Debris flows and landslides on Mt. Shalbudzag (Dagestan, Russia)</p> <p><u>Elena SAVERNYUK</u>, Oleg ZERKAL, Sergey CHERNOMORETS</p> <p><i>Lomonosov Moscow State University</i></p>
11:25-11:40	<p>Machine Learning Tree-based Insights into Debris Flow Susceptibility and Runout Dynamics in the Higher Himalayas</p> <p><u>Jie DOU</u>, Hamza DAUD</p> <p><i>China University of Geosciences, Badong National Observation and Research Station of Geohazards</i></p>
11:40-11:55	<p>Mud flow protective structures installation in narrow right of way</p> <p><u>Ivan BOGDANOV</u></p> <p><i>"GEOIZOL Project" LLC</i></p>
11:55-12:10	<p>Structural features of ancient mudflow cones in the upper part of the Mzymta River valley</p> <p><u>Andrey PONOMAREV</u>, Aleksandr PONOMAREV, Oleg ZERKAL</p> <p><i>"Engprotection" LLC¹, Lomonosov Moscow State University²</i></p>
<p>Keynote Session Session 6: Debris flows in snow and ice environment (II) Conveners: Sven FUCHS & Lingfeng GONG</p>	
14:00-14:20	<p>Experience of the Aga Khan Agency for Habitat (AKAH) in assessing glacial lakes and modeling the possible outburst of high mountain lakes</p> <p><u>Yusuf RAIMBEKOV</u></p> <p><i>Aga Khan Agency for Habitat</i></p>



14:20-14:40	<p>Periglacial debris flow reconstruction in the alpine-humid region of Himalayas: relationship with temperature and seismic event</p> <p><u>Chao MA</u> <i>Beijing Forestry University</i></p>
14:40-15:00	<p>Debris flow processes on Arctic islands</p> <p><u>Fedor ROMANENKO</u> <i>Lomonosov Moscow State University</i></p>
15:00-15:20	<p>Landscape dynamics as result of debris flow activity in the XXI century in the mountainous regions of Western and Central Caucasus</p> <p><u>Marina PETRUSHINA</u> <i>Lomonosov Moscow State University</i></p>
<p>Session 6: Debris flows in snow and ice environment (II) Conveners: Sven FUCHS & Lingfeng GONG</p>	
15:40-15:55	<p>Gullies and landslides as one of the factors of debris flows occurrence in the conditions of plain territories</p> <p><u>Ivan RYSIN, Ivan GRIGORIEV</u> <i>Udmurt State University</i></p>
15:55-16:10	<p>Mudflow and flood hazards assessment of the southern part of the Southern part of the Fergana Valley river basins</p> <p><u>Olga KALASHNIKOVA¹, Iuliia RADCHENKO², Zoya KRETOVA³</u> <i>¹Central Asian Institute for Applied Geosciences, ²Scientific Foundation Nansen International Environmental and Remote Sensing Centre, ³The Center for Natural Resources and Sustainable Development at the Kazakh-German University</i></p>
16:10-16:25	<p>Development history of typical debris flow in the Grand Bend of Yarlung Zangbo River since the Holocene</p> <p><u>Lingfeng GONG</u> <i>Chengdu Center, China Geological Survey (Geosciences Innovation Center of Southwest China)</i></p>
16:25-16:40	<p>Interannual variability of mudflow activity in the mountainous regions of Ile Alatau</p> <p><u>Ulzhan ALDABERGEN</u> <i>Institute of Geography and Water Security; Al Farabi Kazakh National University</i></p>
16:40-17:10	<p>DISCUSSION</p>
17:10-17:15	<p>Award for the outstanding oral and poster presentation</p>
17:15-17:25	<p>Publish in Journal of Mountain Science: Make your research quickly known around the world</p> <p><u>Dunlian OIU</u> <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>



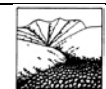
17:25-17:55	Closing Ceremony
Wednesday 25 September Venue: Room 619, Institute of Mountain Hazards and Environment	
Keynote Session Session 7: Monitoring and engineering mitigation Conveners: Givi GAVARDASHVILI & Tun WANG	
Time	Details
09:30-09:50	Practical mechanics of highway debris flow and its application <u>Hongkai CHEN</u> <i>China West Normal University</i>
09:50-10:10	Detecting the debris-flow frontal velocity by the mud droplets Impinging on rigid surfaces Kuan-Ling HUANG, <u>Hsien-Ter CHOU</u> <i>Taiwan Central University</i>
10:10-10:30	How are debris flow velocity and flow height linked? A field study of four events observed at Illgraben, Switzerland <u>Tobias SCHÖFFL</u>^{1,3}, Brian MCARDELL², Richard KOSCHUCH³, Helmut SCHREIBER⁴, Christof GRAF², Johannes HÜBL¹, Roland KAITNA¹ <i>¹BOKU, Institute of Mountain Risk Engineering (IAN), Vienna, ²Swiss Federal Institute for Forest, Snow and Landscape Research, ³IBTP Koschuch, ⁴Graz University of Technology</i>
10:30-10:50	Risk assessment and natural hazard protection for infrastructure in mountainous regions <u>Elena GAROVA</u> <i>"PK Trumer" LLC</i>
Keynote Session Session 8: Early warning and disaster mitigation Conveners: Dongri SONG & Hsien-Ter CHOU	
14:00-14:20	Extreme Rainfall Event Affecting a Brazilian Pipeline – Emergencial Evaluation and Mitigation Works <u>Hudson Régis OLIVEIRA</u>, Wanderley Camargo RUSSO JR., Pedro Victor Serra Mascarenhas, Thiago da Costa Santos, Joao Duarte Guimaraes Neto <i>Petrobras Transporte SA - TRANSPETRO</i>
14:20-14:40	A physics-based model to derive rainfall intensity-duration threshold for debris flow <u>Shaojie ZHANG</u> <i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>



14:40-15:00	<p>MODIS imagery-based water content forecasting methodology for the Kyzylsu River</p> <p><u>Jafar NIYAZOV</u>¹, Olga KALASHNIKOVA², Changming ZHU³</p> <p><i>¹Institute of Water Problems, Hydropower and Ecology of the National Academy of Sciences of Tajikistan, ²Central Asian Institute for Applied Geosciences, ³Jiangsu Normal University</i></p>
<p>Session 8: Early warning and disaster mitigation</p> <p>Conveners: Dongri SONG & Hsien-Ter CHOU</p>	
15:40-15:55	<p>Debris flow entrainment in non-uniform channels</p> <p><u>Pu LI</u>, Kaiheng HU</p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>
15:55-16:10	<p>A comparison of Russian and international standards for debris flow parameters calculation (for a section of the Baikal-Amur Mainline)</p> <p><u>Alexander PEDANOV</u></p> <p><i>Lomonosov Moscow State University</i></p>
<p>Poster Presentations</p> <p>Venue: Floor 1, Institute of Mountain Hazards and Environment</p>	
Poster NO.	Details
DF-001	<p>Vegetation Recovery and Debris Flow Effects Following Tropical Cyclone-Induced Disturbances in Eastern Cuba</p> <p><u>Ricardo DELGADO TELLEZ</u>, Nicasio VIÑA-DÁVILA², Arisleidys PEÑA-DE LA CRUZ³, Yasmira SAVÓN-VACIANO³</p> <p><i>¹Mountain Development Centre, Environmental Agency, Cuba, ²Caribbean Biological Corridor Secretariat, ³Cuban Meteorological Institute</i></p>
DF-002	<p>Potential recognition of flash flood disasters in small watersheds in China's Southwestern Mountainous areas considering source supply conditions</p> <p><u>Haizhi LIU</u>¹, Xui XU¹, Hongjun BAO¹, Qiaoyun SONG¹, Tong SUN², Zimu LIU³, Binyan WANG⁴, Yumei LI¹, Jingyue DI¹</p> <p><i>¹National Meteorological Center, China Meteorological Administration, ²Sichuan University, ³Sichuan Meteorological Service Center, ⁴Sichuan Meteorological Observatory</i></p>
DF-003	<p>Assessing debris flows hazard from morphometric criteria: an example of application in southern Brazil</p> <p><u>Julio Cesar LANA</u></p> <p><i>Geological Survey of Brazil</i></p>



<p>DF-004</p>	<p>High mountain lakes of Uzbekistan and transboundary territories as a potential source of mudflows <i><u>Irina DERGACHEVA</u>¹, Mirdjakhongir MIRDJAPAROV²</i> <i>¹Scientific Research Hydrometeorological Institute of Uzbekistan, ²United Nations Development Programme Uzbekistan</i></p>
<p>DF-005</p>	<p>Debris flows and climate dynamics in natural areas of Eastern Cuba <i><u>Arisleidys PEÑA-DE LA CRUZ</u>¹, Ricardo DELGADO-TÉLLEZ², Mingtao DING³, Yasmira SAVÓN-VACIANO¹</i> <i>¹Cuban Meteorological Institute, ²Mountain Development Centre, Environmental Agency, Cuba, ³Faculty of Geosciences and Environmental Engineering, Southwest Jiaotong University</i></p>
<p>DF-006</p>	<p>Experimental study of the dynamics of debris flow wavefront advance in a high slope stream <i><u>Samuel Ismael QUISCA</u></i> <i>School of Civil Engineering – Universidad Nacional Mayor de San Marcos</i></p>
<p>DF-007</p>	<p>Outcomes of bathymetric survey and modelling of breakout lakes in Tajikistan <i><u>Ubaidullo PIRMAMADOV</u>, <u>Yusuf RAIMBEKOV</u></i> <i>Aga Khan Agency for Habitat</i></p>
<p>DF-008</p>	<p>Validation of avalancheFoam software for calculating natural flows with the bottom material entrainment <i><u>Darya ROMANOVA</u>^{1,2}, Margarita EGLIT¹, <u>Karina VISKHADZHIEVA</u>¹</i> <i>¹Lomonosov Moscow State University, ²Ivannikov Institute for System Programming of the Russian Academy of Sciences</i></p>
<p>DF-009</p>	<p>Weather background analysis of a mudslide in southeastern Guizhou, China <i><u>Yang GOU</u>, H.M. GAO, Y.T. SONG</i> <i>Qiannan Meteorological Bureau</i></p>
<p>DF-010</p>	<p>Preliminary analysis of the cause of geological disasters of landslide accompanied by ‘sand surge’ in Minhe County, Qinghai Province <i><u>Fangxiu ZHANG</u>^{1,2,3}, <u>Yan GUO</u>^{1,2,3}, Hui ZHANG⁴, Fugui HUANG^{1,2,3}, <u>Qing FENG</u>^{1,2,3}, Dongsai HOU⁴, <u>Xinwei GUO</u>^{1,2,3}, <u>Yang ZHOU</u>^{1,2,3}, <u>Bin LI</u>^{1,2,3}</i> <i>Yellow River Institute of Hydraulic Research, Yellow River Conservancy Commission</i> <i>¹Yellow River Institute of Hydraulic Research, Yellow River Conservancy Commission, ²Key Laboratory of Lower Yellow River Channel and Estuary Regulation, Ministry of Water Resources, ³Research Center of Yellow River Basin Conservation and Development, Yellow River Conservancy Commission, ⁴Yellow River Engineering Consulting Co. Ltd.</i></p>



<p>DF-011</p>	<p>Effects of structure conservation implementation on landslide and debris flow hazards: A Case Study in Chenyulan Watershed, Taiwan</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>DF-012</p>	<p>Numerical modelling of hyperconcentrated flows in the urban areas subject to flash flood</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>DF-013</p>	<p>The Applicability of a Rainfall-Induced Debris Flow Warning Model: A Case from Typhoon Khanun in Nantou County, Taiwan, 2023</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>DF-014</p>	<p>Evaluating earthquake-induced landslide potential under different scenarios using empirical landslide fragility model - A Case study on Taiwan</p> <p><u>Hsieh Meng-Hsun</u></p> <p><i>China University of Technology, Department of Civil Engineering and Hazard Mitigation</i></p>
<p>DF-015</p>	<p>Simulation analysis of debris flow caused by dam break in construction waste disposal site based on EDDA</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 & Estuary (Zhejiang Institute of Marine Planning and Design)</i></p>
<p>DF-016</p>	<p>A stochastic process generating temporal structures of debris flow surges</p> <p><u>Jun ZHANG</u></p> <p><i>Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i></p>
<p>DF-017</p>	<p>Securing landslides with pile structures</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