

Schedule-DF 2024	
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	Deputy Director of IMHE, Prof. Lijun Su Welcome Speech from Institute of Mountain Hazards and Environment, Chinese Academy of Sciences
09:35-09:45	President of DFA, Dr. Sergey Chernomorets Welcome speech from Debris Flow Association & Lomonosov Moscow State University
09:45-10:00	Welcome speeches of Eduard Zaporozhchenko, Sven Fuchs, Natalia Bogdanova
10:00-10:20	Group Photo & Coffee Break
	Plenary Session Chair: Chernomorets Sergey
10:20-10:50	Simulation and risk warning of flash torrents and debris flows <i>Peng Cui - Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
10:50-11:20	Intelligent debris flow monitoring and warning system <i>Ko-Fei Liu - Taiwan 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>Givi Gavardashvili - Tsotne Mirtskhulava Water Management Institute of Georgian Technical University</i>
12:00-14:00	Lunch (Tiandirenhe Restaurant, 2F)
	Plenary Session Chairs: Givi Gavardashvili, Fangqiang Wei
14:00-14:30	The 2024 debris flows in Austria as a challenge for risk management <i>Sven Fuchs - BOKU University Vienna</i>
14:30-15:00	Experience in creation of integrated protection from debris flows on the example of the Ulken Almaty River basin <i>Nikolai Popov - Institute of Geography and Water Security The Republic of Kazakhstan</i>
15:00-15:20	Coffee Break
	Plenary Session Chair: Fuchs Sven, Ko-Fei Liu
15:20-15:50	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) <i>Irina Dergacheva - Scientific Research Hydrometeorological Institute of Uzbekistan</i>
15:50-16:20	AI landslide susceptibility mapping and statistical interpretation in the Mediterranean coastal zone between Oued Laou and El Jebha, Morocco <i>Abdellah Dekayir - University of Moulay Ismail</i>
16:20-16:50	Entrainment of bed sediment by debris flows <i>Kaiheng Hu - Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
16:50-17:20	On the place and time of the 8th conference on Debris Flows: a new application <i>Sergey Chernomorets - Lomonosov Moscow State University</i> <i>Givi Gavardashvili - Tsotne Mirtskhulava Water Management Institute of Georgian Technical University</i>
17:20-18:00	From the Venue to the Hampton Hotel
18:00-19:30	Gala dinner (The Hampton by Hilton Chengdu WCEC, 26F)
Tuesday 24 September	
Venue: Academic Hall, Floor 1, Institute of Mountain Hazards & Environment	
	Keynote Session Session 1: Dynamic mechanism and simulation Conveners: Ko-Fei Liu & Dongxia Yue
Time	Details
09:30-09:50	Evolution of debris flow disasters under the background of non-equilibrium water cycle <i>Tongliang Gong - Xizang Agriculture and Animal Husbandry University</i>
09:50-10:10	Reconstruction of a debris flow in the Sultan-Gara-Su River valley in October 2022 (northeastern slope of Mt. Elbrus) <i>Elena Savernyuk - Lomonosov Moscow State University</i>
10:10-10:30	Experimental research on the initiation of high potential energy debris flow - case study of the Chutou Gully, China <i>Mingtao Ding - Faculty of Geosciences and Environmental Engineering, Southwest Jiaotong University</i>
10:30-10:50	Simulation of the whole generation process of post-fire debris flows at Ren'e Yong gully in China <i>Yan Wang - Chengdu Center of China Geological Survey (Geosciences Innovation Center of Southwest China)</i>
10:50-11:10	Coffee Break
	Session 1: Dynamic mechanism and simulation Conveners: Ko-Fei Liu & Dongxia Yue
11:10-11:25	Prediction of debris flow blocking river hazard chain by the numerical simulation: the Cutou catchment, Wenchuan County, China <i>Xianzheng Zhang - Chengdu Center, China Geological Survey (Geosciences Innovation Center of Southwest China)</i>
11:25-11:40	Investigating the influence of ground sill array density on debris flow behavior using numerical simulations <i>Litan Dey - Taiwan Cheng Kung University</i>
11:40-11:55	Geophysical mass flow simulation with material point method <i>Xiaopeng Zhang - Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
11:55-12:10	Impact behavior of dense debris flows regulated by pore-pressure feedback <i>Qian Chen - University of Chinese Academy of Sciences</i>
12:10-13:10	Lunch (Tiandirenhe Restaurant, 2F)
13:10-14:00	Visit Key Laboratory of Mountain Hazards and Earth Surface Processes (Debris-flow experimental hall)
	Keynote Session Session 2: Regional distribution and landscape Conveners: Olga Barykina & Tien-Chien Chen
14:00-14:20	Thick alluvial fans - indicator of past river's damming <i>Alexander Strom - JSC "Institute Hydroproject", RusHydro</i>
14:20-14:40	Landscape dynamics and debris flow activities controlled by fault zones in the Bailong River Corridor, China <i>Xingming Meng - School of Earth Sciences, Lanzhou University</i>
14:40-15:00	Features of mudflow events in Ile Alatau on July 21, 2023 <i>Saniya Beisenbayeva - State Institution "Kazselezaschita" of the Ministry of Emergency Situations of the Republic of Kazakhstan</i>
15:00-15:20	Specificity of debris flow formation and slope processes development in the Geysernaya River valley (Kamchatka, Russia) <i>Sergey Chernomorets - Lomonosov Moscow State University</i>
15:20-15:40	Coffee Break
	Session 2: Regional distribution and landscape Conveners: Olga Barykina & Tien-Chien Chen
15:40-15:55	Quantifying the impact of earthquakes and geological factors on spatial heterogeneity of debris-flow prone areas: a case study in the Hengduan Mountains <i>Xudong Hu - China Three Gorges University</i>
15:55-16:10	Mountain mud flood on the northern slope of the Khamar-Daban ridge in 2019 <i>Artem Rybchenko - Institute of the Earth Crust, Siberian Branch, Russian Academy of Sciences</i>
16:10-16:35	Driving factors of spatio-temporal variations and tendency of debris flows in the Upper Salween Valley <i>Jiajia Zhang - Institute of Exploration Technology, CGS</i>
16:35-16:50	Development, hypermobility, and dam breaking of the giant Basu rockslide in the Bangonghu - Nuijiang suture zone, southeastern Tibetan Plateau <i>Yunjian Gao - 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 <i>Lan Ning - Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
17:30-18:30	Dinner (Tiandirenhe Restaurant, 2F)
Tuesday 24 September	
Venue: Room 619, Institute of Mountain Hazards & 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 <i>Tien-Chien Chen - Pingtung University of Science and Technology</i>
09:50-10:10	A quantitative method for early identification of potential catastrophic debris flow catchments <i>Yan Zhao - School of Earth Sciences, Lanzhou University, China</i>
10:10-10:30	The approach to flash flood risk assessment for problem territories in Uzbekistan <i>Aleksandr Merkushkin - United Nations Development Programme Uzbekistan</i>
10:30-10:50	Integrated Risk Assessment of Landslide in Karst Terrains Advancing Landslides Management in Beiliu City, China <i>Ming Chang - Chengdu University of Technology</i>
10:50-11:10	Coffee Break
	Session 3: Risk assessment and forecasting Conveners: Sergey Sokratov & Jianqi Zhuang
11:10-11:25	Hazard Potential Change for Rain Induced Debris Flow in Silty Clay Mudstone Environment After Large Earthquake and Continuous Rainfall Sediment Deposit <i>Bing-Shyan Lin - Feng Chia University</i>
11:25-11:40	Transition of debris flow susceptibility under the impact of extreme rainfall and human activity <i>Yajun Li - Lanzhou University</i>
11:40-11:55	Mapping the territories of the mountain-foothill zone of Tajikistan exposed to natural hazards <i>Mustafo Safarov - Northwest Institute of Eco-Environment and Resources Chinese Academy of Sciences</i>
11:55-12:10	The spatial mismatch between debris flow hazard and ecological vulnerability <i>Zengli Pei - University of Chinese Academy of Sciences</i>
12:10-13:10	Lunch (Tiandirenhe Restaurant, 2F)
13:10-14:00	Visit Key Laboratory of Mountain Hazards and Earth Surface Processes (Debris-Flow experimental hall)
	Keynote Session Session 4: Field observation and Meteorology Conveners: Alexander Strom & Mingtao Ding
14:00-14:20	Field observation and key findings of the dynamic characteristics of debris flow in Jiangjia Ravine, China <i>Dongri Song - Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
14:20-14:40	Rainfall thresholds for the occurrence of debris flow in the Jiangjia Gully, Yunnan Province, China <i>Jianqi Zhuang - School of Geological Engineering and Surveying of Changan University</i>
14:40-15:00	Debris-flow characteristic triggering rainfalls recorded in the Shenmu area of central Taiwan: an Update <i>Yi-Min Huang - Kaohsiung University of Science and Technology</i>
15:00-15:20	Cascading mode of landslide and debris flow in Geyser valley (Kamchatka, Russia) <i>Oleg Zerkal - Lomonosov Moscow State University</i>
15:20-15:40	Coffee Break
	Session 4: Field observation and Meteorology Conveners: Alexander Strom & Mingtao Ding
15:40-15:55	The spread and features of the manifestation of mudflows at the all-season tourist and recreational complex «Mamison» <i>Zalina Kerefova - High Mountain Geophysical Institute, Roshydromet</i>
15:55-16:10	Debris flow as the final process in the cycle of extreme exogenous processes in mountain landscapes <i>Vadim Karavaev - Institute of Geography, Russian Academy of Sciences</i>
16:10-16:35	Feasibility of satellite-based rainfall and soil moisture data in determining the triggering conditions of debris flow: The Jiangjia Gully (China) case study <i>Hongjuan Yang - Key Laboratory of Mountain Hazards and Earth Surface Process, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
16:35-16:50	Analysis and Prediction of Geological Disasters Caused by Typhoon Rainstorm <i>Xiaomeng Li - National Meteorological Centre, China Meteorological Administration</i>
16:50-17:05	Constructing rainfall threshold for debris flow of a defined hazardous magnitude <i>Mengyu Wang - Lanzhou University</i>
17:05-17:20	Higher risk of riverfront buildings due to excess sediment input by debris flows <i>Li Wei - Institute of Mountain Hazards and Environment, Chinese Academy of Sciences</i>
17:30-18:30	Dinner (Tiandirenhe Restaurant, 2F)
Wednesday 25 September	
Venue: Academic Hall, Floor 1, Institute of Mountain Hazards & Environment	
	Keynote Session Session 5: Debris flows in snow and ice environment (I) Conveners: Yulia Frolova & Chao Ma
Time	Details
09:30-09:50	Relation of debris flow events to synoptic situations at the Black Sea coast of the Caucasus <i>Sergey Sokratov - Lomonosov Moscow State University</i>
09:50-10:10	Identification, mechanism and prevention of debris flow from glacial till in southeast Qinghai-Xizang Plateau <i>Yongbo Tie - Department of Geological Safety Assessment, Chengdu Center of China Geological Meteorological conditions for the formation of water-ice flows on mountain rivers of Ile Alatau</i> <i>Vitaliy Zhdanov - Institute of Geography and Water Security The Republic of Kazakhstan</i>
10:10-10:30	Analysis of the conditions for mudflow formation in the Elbrus Region in the XXI century <i>Irina Malneva - High Mountain Geophysical Institute, Roshydromet</i>
10:50-11:10	Coffee break
	Session 5: Debris flows in snow and ice environment (I) Conveners: Yulia Frolova & Chao Ma
11:10-11:25	Shovi catastrophic collapse and debris flow in the Caucasus Mountains (Georgia) August 3, 2023 <i>Sergey Chernomorets - Lomonosov Moscow State University</i>
11:25-11:40	Debris flows and landslides on Mt. Shalbudzag (Dagestan, Russia) <i>Elena Savernyuk - Lomonosov Moscow State University</i>
11:40-11:55	Machine Learning Insights into Debris Flow Susceptibility and Runout Simulation in the Higher Himalayas <i>Jie Dou - China University of Geosciences</i>
12:00-14:00	Lunch (Tiandirenhe Restaurant, 2F)
	Keynote Session Session 6: Debris flows in snow and ice environment (II) Conveners: Sven Fuchs & Yongbo Tie
14:00-14:20	Experience of the Aga Khan for Habitat Agency (AKAH) in assessing glacial lakes and modeling the possible outburst of high mountain lakes <i>Yusuf Raimbekov - Aga Khan Agency for Habitat</i>
14:20-14:40	Periglacial debris flow reconstruction in the alpine-humid reigon of Himalayas: relationship with temperature and seismic event <i>Chao Ma - Beijing Forestry University</i>
14:40-15:00	Debris flow processes on Arctic islands <i>Fedor Romanenko - Lomonosov Moscow State University</i>
15:00-15:20	Landscape dynamics as result of debris flow activity in the XXI century in the mountainous regions of Western and Central Caucasus <i>Marina Petrushina - Lomonosov Moscow State University</i>
15:20-15:40	Coffee break
	Session 6: Debris flows in snow and ice environment (II) Conveners: Sven Fuchs & Yongbo Tie
15:40-15:55	Gullies and landslides - as one of the factors in the occurrence of mudflows in flat areas <i>Ivan Rysin - Udmurt State University</i>
15:55-16:10	Assessment of mudflow and flood hazards in the river basins of the northern slopes of the Alai Mountain range <i>Olga Kalashnikova - Central Asian Institute for Applied Geosciences</i>
16:10-16:25	Development history of typical debris flow in the Grand Bend of YarlungZangbo River since the Holocene <i>Lingfeng Gong - Chengdu Center, China Geological survey (Geosciences Innovation Center of Southwest China)</i>
16:25-16:40	Interannual variability of mudflow activity in the mountainous regions of Ile-Alatau <i>Ulzhan Aldabergen - Institute of Geography and Water Security The Republic of Kazakhstan</i>
16:40-17:10	DISCUSSION
17:10-17:15	Award for the outstanding oral and poster presentation
17:15-17:25	Prof. Dunlian Qiu Speech from Institute of Mountain Hazards and Environment, Chinese Academy of Sciences
17:25-17:55	Closing Ceremony
Wednesday 25 September	
Venue: Room 619, Institute of Mountain Hazards & Environment	
	Keynote Session Session 7: Monitoring and engineering mitigation Conveners: Sergey Chernomorets & Xingming Meng
Time	Details
09:30-09:50	Practical Mechanics and Applications of Highway Debris Flow <i>Hongkai Chen - China West Normal University</i>
09:50-10:10	Detecting the debris flow frontal velocity by the mud droplets impinging on rigid surfaces <i>Hsien-Ter Chou - Taiwan Central University</i>
10:10-10:30	Deciphering the interplay of surface velocity and flow height in natural debris flows: field observations from the Illgraben, Switzerland <i>Tobias Benjamin Schöffel - BOKU University</i>
10:30-10:50	Risk assessment and natural hazard protection for infrastructure in mountainous regions <i>Elena Garova - "PK Trumer" LLC</i>
10:50-11:10	Coffee break
	Session 7: Monitoring and engineering mitigation Conveners: Sergey Chernomorets & Xingming Meng
11:10-11:25	A monitoring and early warning method for soil landslides based on infrasound -- Taking the Xinxu landslide in the Three Gorges Reservoir Area as an example <i>Qiao Chen - Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Sciences</i>
11:25-11:40	Mud flow protective structures installation in narrow right of way <i>Ivan Bogdanov - "GEOIZOL Project" LLC</i>
11:40-11:55	Structural features of ancient mudflow cones in the middle part of the Mzymta River valley <i>Andrei Ponomarev - "Engprotection" LLC</i>
12:00-14:00	Lunch (Tiandirenhe Restaurant, 2F)
	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 in Critical Basins <i>Hudson Regis Oliveira - Petrobras Transporte SA - TRANSPETRO</i>
14:20-14:40	Some progress of Multi-Hazard Early warning system in China <i>Tun Wang - Institute of Care-life, China Sichuan University</i>
14:40-15:00	Debris flow and hillslope debris flow protection nets: Use and experiences in the scope of integral risk management <i>Claudio Petrini - Geobrugg AG</i>
15:00-15:20	Risk assessment and early warning of mudflow hazard in the Lakhsh region of Tajikistan (Surkhob (Kyzylsu) river basin) <i>Jafar Niyazov - Institute of Water Problems, Hydropower and Ecology of the National Academy of Sciencens of Tajikistan</i>
15:20-15:40	Coffee break
	Session 8: Early warning and disaster mitigation Conveners: Dongri Song & Hsien-Ter Chou
15:40-15:55	Securing landslide arrays with a pile structure <i>Yury Mazhayskiy - Meshcherskiy branch of Federal State Budgetary Scientific Institution "Federal Scientific Center Hydrotechnics And Melioration named after A.N. Kostyakov"</i>
15:55-16:10	Research on the mechanism of collaps landslide deformation in Liangshui Village, Tangfang Town, Zhenxiang County, Yunnan Province <i>Bi Wang - State Key Laboratory of Geo-Hazard Prevention and Geo-Environment Protection, Chengdu University of Technology</i>
16:10-16:25	Study on the Deformation Mechanism of Landslides in Liangshui Village, Zhenxiang County, Yunnan Province <i>Bo Wang - Chengdu University of Technology</i>
16:25-16:40	A comparison of Russian and international standards for debris flow parameters calculation (for a section of the Baikal-Amur Mainline) <i>Alexander Pedanov - Lomonosov Moscow State University</i>
16:40-18:00	Please proceed to Academic Hall, Floor 1 for the closing ceremony
Thursday 26 September, 08:30 - 18:30	
Field Seminar	
Friday 27 September, 09:00 - 15:00	
Field seminar	