International Symposium INTERPRAEVENT 2026 in the Pacific Rim
"Risk management for multi natural hazards under climate change"

The Pacific Rim INTERPRAEVENT Committee of Japan (PRIC)
Organizing Committee of INTERPRAEVENT International Symposium 2026

In recent years, Japan and Pacific Rim countries have suffered extreme damage from debris flows, landslides and floods caused by heavy rains and big typhoons, which may be influenced by global warming. Earthquakes and volcanic eruptions also frequently cause large-scale, complex natural disasters, posing a threat to human lives and properties, as well as to the livelihoods and socio-economic infrastructures.
People living under the risk of multi natural hazards such as heavy rains, earthquakes, and volcanic eruptions need to adapt to and coexist with these risks. Therefore, it is very important to share the technologies, experiences, and lessons learned from these natural hazards, as well as to deepen study and research for the future disaster risk management, and to proactively disseminate appropriate countermeasures to the people in the world.
Therefore, the Pacific Rim INTERPRAEVENT 2026 will be held in Hokkaido, gathering engineers, researchers, and government officials from around the world under the theme of "Risk management for multi natural hazards under climate change".

Date: October 20 (Tue) - October 23 (Fri), 2026

Venue: Sapporo Convention Center, 1-1-1,6jo, Higashi-Sapporo, Sapporo City, Hokkaido, Japan

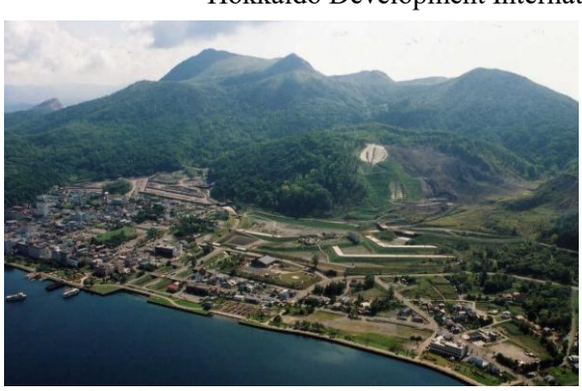
Organized by: The Pacific Rim INTERPRAEVENT Committee of Japan (PRIC)
Organizing Committee of INTERPRAEVENT 2026 in the Pacific Rim

Co-organized by: International Research Society INTERPRAEVENT
Japan Society of Erosion Control Engineering (JSECE)
International Sabo Association (ISA)

In cooperation with: Japan Sabo Association (JSA), Sabo & Landslide Technical Center (STC)
Sabo Frontier Foundation (SFF), Japan Association for Slope Disaster Management (JASDiM)

Supported by: Ministry of Land Infrastructure, Transport and Tourism, Hokkaido Government
City of Sapporo

Supported by a grant from: Sapporo convention bureau,
Hokkaido Development International Exchange Fund, a charitable trust



Mt. Usu, Sabo facilities protecting the town of Toyako Onsen



Shirogane Hot Springs and Sabo facilities (Biei River)



Sabo facilities after earthquake (Hidaka-Horonai River)



Mt.Tokachi, Sabo dam in the upper reaches of Nukkakushi Furano River

INTERPRAEVENT 2026
Sapporo, Hokkaido, Japan

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Special Advisor

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Advisor

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INTERPRAEVENT 2026
Sapporo, Hokkaido, Japan

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※As of August 31, 2026
※The contents are subject to change without notice

Organizing Committee of INTERPRAEVENT International Symposium2026
(Atsushi Okamoto, Masato Jogasaki, Yoji Chida, Masahiro Shiraishi,
Daisuke Noma, Tomoyuki Noro, Masaaki Watari)
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E-mail: interpraevent2026@kokusaisabo.or.jp
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INTERPRAEVENT 2026
Sapporo, Hokkaido, Japan

Main Theme Risk management for multi natural hazards under climate change

Schedule

Date (in 2026)	Main Event	Evening
October 20(Tue)	Registration, Opening Ceremony, Keynote Speeches, Poster Sessions Core Time, Exhibitions	Welcome Reception
October 21(Wed)	Oral and Poster Sessions, Core Time, Exhibitions	
October 22(Thu)	Oral and Poster Sessions, Core Time, Exhibitions Closing Ceremony	
October 23(Fri)	Excursion	

※ The welcome reception will take place at Hotel Lifort Sapporo.

◆Participation Fee

Registration time	Regular	Student(<30years)
April 1 – July 31, 2026	50,000 JPY	10,000 JPY
August 1 – September 15, 2026	60,000 JPY	12,000 JPY
After September 16, 2026	70,000 JPY	14,000 JPY
Welcome Reception	12,000 JPY	
Lunch bento (October 21, 22, 2026)	1.Classic Style Bento 1,000 JPY 2. Northern Sticky Rice Bento 1,220 JPY	
Excursions (October 23,2026)	Excursion 1,2,3,5 ：15,000JPY Excursion 4 ： 21,000JPY	

※ The excursions require a minimum of 25 participants. The fee includes lunch and admission charges.
※ The fees above do not include accommodation fee etc.
※ The Excursion 1 will not be organized.

Registration for participation : Website；https://va.apollon.nta.co.jp/interpraevent2026/joho?MODE=top&language=1

Excursion : Five attractive day trip courses will be held as detailed on the following page.

Language : The official language of the Symposium is English

Presentations : The schedule and abstracts for oral and poster presentations by registered participants will be posted by a website by **September 30**.

◆Topics : The sessions will be broadly divided into the following six topics regarding to the multi natural hazards such as earthquakes, volcanic eruptions, floods, debris flows, mudslides, landslides, and snow avalanches.

Topic1: Monitoring for Sediment Movement, Modeling and Simulation
Key words: landslide, debris flow, sediment hydraulics, hydrology, numerical analysis, remote sensing

Topic2: Catastrophic Disaster: Phenomena and Countermeasures
Key words: deep-seated (catastrophic) landslide, mudflow, flood, volcanic activity, post-wildfire debris flow, earthquake, glacial lake outburst flood

Topic3: Structural Measures: Planning, Designs, Construction and Maintenance including Community Revitalization and Ecosystem-based Disaster Risk Reduction(Eco-DRR)
Key words: hillslope works, channel works, check dam, retarding basin, protection forest, community forest, facility management

Topic4: Non-structural Measures: Warning and Evacuation, Hazard Maps, Land Use Plans and Public Awareness Programs
Key words: information system, flood forecast, community participation, evacuation drill, education, insurance

Topic5: Emergency Response and Recovery
Key words: drone survey, emergency sediment & water discharge, temporary construction, unmanned construction technology, reconstruction planning

Topic6: National Land Resilience: Policy and Strategy of the Risk Management for Multi Natural Hazards
Key words: risk governance, local government initiatives, comprehensive risk assessment, disaster prevention & mitigation investment, public-private partnership for disaster planning, integrated watershed management for flood control

INTERPRAEVENT 2026
Sapporo, Hokkaido, Japan

◆Four-Day Program Schedule

Day 1 October 20 (Tue)

- Reception 10：00～13：00
- Traditional Ainu Dance 13:00-13:30
- Opening Ceremony 13:30-14:30 Main Hall
- Keynote Speeches 14:30-15:20
- Coffee Break
- Keynote Speeches 15:40-16:30
- Poster Core Time 16:30-18:00 Meeting Rooms 206&207
- Poster Session 1
- Corporate Exhibits at Meeting Room 204, Rooms 201 & 202
- Government Exhibits at Meeting Rooms 107 & 108

Transfer from Sapporo Convention Center to Hotel Lifort Sapporo (by charter bus or subway)

Welcome Reception 19:00-21:00

Attractions
- Violin & Piano performance
- Wadaiko performance
- PM. and Tasting booth for Hokkaido Sake and Wine

Hotel Lifort Sapporo

Day 2 October 21 (Wed)

- Oral Sessions 8:30-9:40 Med-sized & Small Halls, Meeting Rooms 104 & 105
- Coffee Break
- Oral Sessions 10:00-11:10 Med-sized & Small Halls, Meeting Rooms 104 & 105
- SA Poster 1-min Presentations 11:10-
- Poster Core Time 11:30-13:00 Meeting Rooms 206 & 207
- Lunch 12:30-13:30
- Oral Sessions 16:00-18:00 Med-sized & Small Halls, Meeting Rooms 104 & 105
- Coffee Break
- Oral Sessions 16:00-18:00 Med-sized & Small Halls, Meeting Rooms 104 & 105
- Changeover
- Poster Session 1
- Poster Session 2
- Corporate Exhibits at Meeting Room 204, Rooms 201 & 202
- Government Exhibits at Meeting Rooms 107 & 108

Day 3 October 22 (Thu)

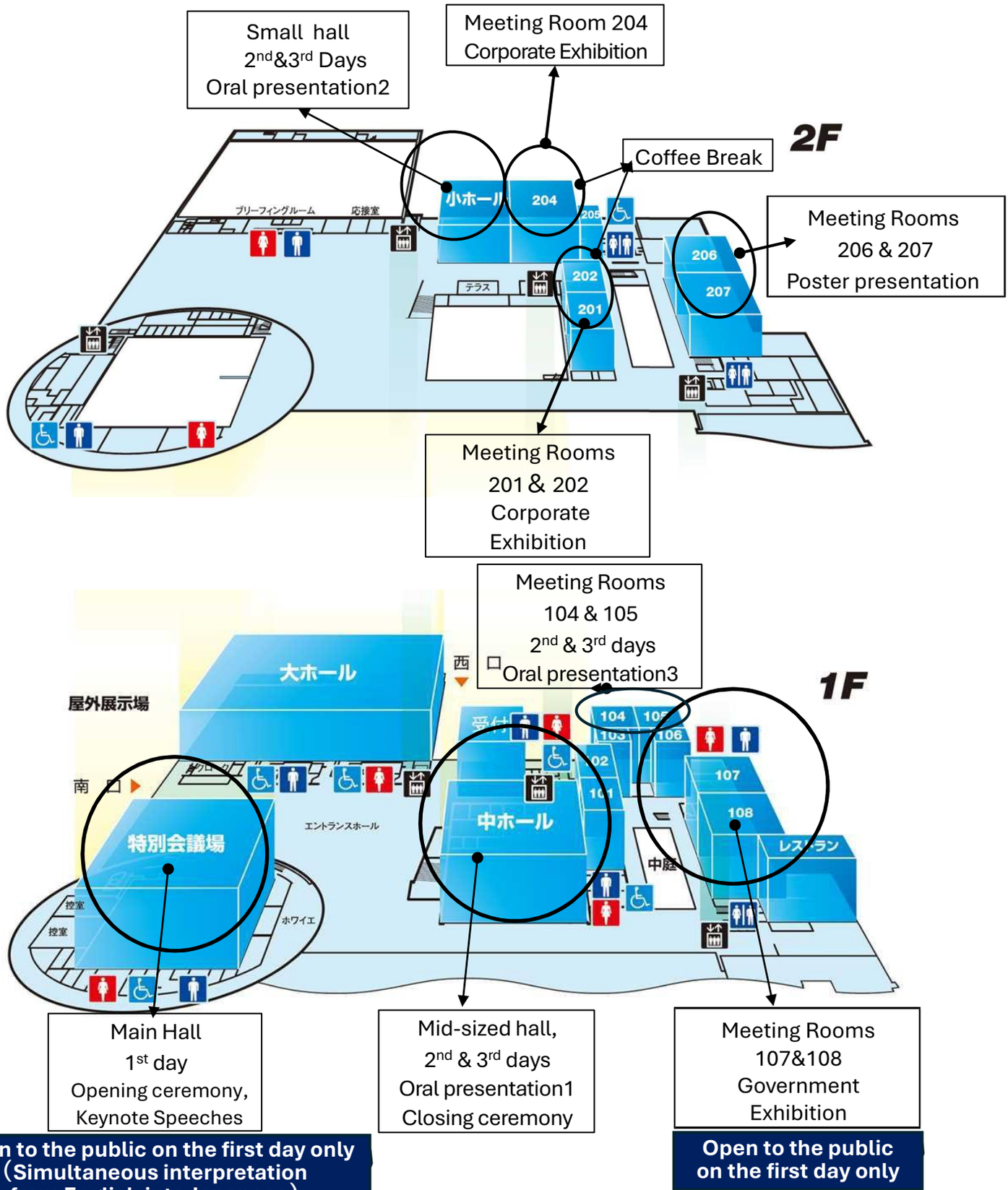
- Oral Sessions 8:30-10:00 Med-sized & Small Halls, Meeting Rooms 104 & 105
- Coffee Break
- Oral Sessions 10:20-11:30 Med-sized & Small Halls, Meeting Rooms 104 & 105
- Poster Core Time 11:30-13:00 Meeting Rooms 206 & 207
- Lunch 12:30-13:30
- Oral Sessions for Student Awards 13：30-14：40 Med-sized Hall
- Panel Discussions 14：40-16：10 Med-sized Hall
- Coffee Break
- Closing Ceremony Med-sized Hall
- Poster Session 2
- Corporate Exhibits at Meeting Room 204, Rooms 201 & 202
- Government Exhibits at Meeting Room 107 & 108

Day 4 October 23 (Fri)

- Excursions

INTERPRAEVENT 2026
Sapporo, Hokkaido, Japan

◆Venue Map



◆ Opening Ceremony Program (Tue., Oct. 20)

Main Hall

MC: Prof. Kana Nakatani（Kyoto University）

13:00– Traditional Performing Arts of Hokkaido

"Traditional Ainu Dance" — Sapporo Upopo Society



Phot by the website of Sapporo Upopo Society

13:30–14:30

Opening Ceremony

○Welcome Address by the Organizer

Takashi Yamada — Chair, INTERPRAEVENT 2026 Organizing Committee

○Greetings from the Guests

- Norbert Sereinig — President, INTERPRAEVENT
- Masaru Kunitomo — Director-General, Sabo Department, Ministry of Land, Infrastructure, Transport and Tourism (MLIT)
- Yoshifumi Satofuka — President, Japan Society of Erosion Control Engineering
- Christina Schösser — Commercial Counsellor, Austrian Embassy Commercial Section

○Greetings from the Host Region

Naomichi Suzuki — Governor of Hokkaido

14:30–15:20

Keynote Addresses



Japan Masaru Kunitomo — Director-General, Sabo Department, MLIT

[Title] Formation and Development of SABO Philosophy in Japan: Focusing on Sediment Control Planning



Austria Florian Rudolf-Miklau — Director, Torrent and Avalanche Control Service Austria, Federal Ministry of Agriculture and Forestry, Environmental, Climate Protection and Water Management

[Title] Extreme Events in the Alps Under the Influence of Global Warming—Current Developments, Strategies, and Challenges

15:40–16:30



Italy Ettore de la Grennelais — Chief Operating Officer, ANAS (Italian Roads Agency); Territorial Directorate for Veneto and Friuli Venezia Giulia

[Title] An adaptive multi-hazard framework for climate-resilient management of national road networks



Taiwan Chun-Yen Chen — Director-General, Agency of Rural Development and Soil and Water Conservation, Ministry of Agriculture

[Title] Framework and Strategies for Managing Sediment-Related Hazards in Taiwan

Meeting Rooms 206 & 207

16:30–18:00

Poster Session Core Time

Complimentary Shuttle Buses to the Welcome Reception — 8 charter buses; departures begin at 18:00

◆Welcome Reception Program（Tue, Oct.20）

Hotel Lifort Sapporo

MC：Dr.Shusuke Miyata（Associate Professor, Kyoto University)

19:00～21:00

- Welcome Address by Dr. Takashi Yamada, Chair of the INTERPRAEVENT 2026 Organizing Committee
- Greetings from Mr. Naomichi Suzuki, Governor of Hokkaido
- Greetings from a Representative of the Mayor of Sapporo, Host City



（Photo from IP2018 in Toyama）

- Toast by Mr. Atsushi Okashita, Director General of the Hokkaido Regional Development Bureau, MLIT

【Buffet food】 "Taste of Hokkaido: A Journey Through Northern Gastronomy"
Featuring the finest fresh seafood and premium Hokkaido beef, our menu showcases a diverse selection of dishes prepared with ingredients that represent the rich culinary heritage of Hokkaido.

【Attraction】

- Violin ＆ Piano performance
  〔Kana Nakatani（Prof., Kyoto Univ.）& Mio Kasai（Prof., Hokkaido Univ.）〕





- Wadaiko performance 〔Fusetsu Daiko〕
  This performance honors the indomitable spirit of the early settlers who overcame harsh winds, heavy snowfall, and devastating locusts, and expresses their enduring wish for the prosperity of Teine-Yamaguchi.



（Photo courtesy Fusetsu Taiko）

- Promotion and Tasting of Sake from Hokkaido Breweries and GI Hokkaido Wines
  〔Sapporo Regional Taxation Office 〕

- Closing Remarks by Norbert Sereinig, President of INTERPRAEVENT

◆Closing Ceremony Program（Thu, Oct.22）

Mid-sized Hall

16:30～17:00

MC：Prof. Mio Kasai(Hokkaido University)

- Student Awards Ceremony
  Takashi Yamada, Chairperson, INTERPRAEVENT 2026 Organizing Committee
- Summary Remarks
  Takashi Yamada, Chairperson, INTERPRAEVENT 2026 Organizing Committee
- Greetings from the Host of INTERPRAEVENT 2028 Organizing Committee, Norway
  Bright Samdal
- Closing Remarks
  Hiroyuki Ohno, Chair of The Pacific Rim INTERPRAEVENT Committee of Japan

Meeting Rooms 107 & 108

◆Government Exhibits

Disaster management authorities and related organizations will present a range of panels and other exhibits. The Ministry of Land, Infrastructure, Transport and Tourism (MLIT) and the Hokkaido Government will display poster panels featuring recent examples of sediment-related disasters and measures taken to mitigate their impacts. The exhibition will also feature a debris-flow model and VR content on sediment-related disasters. To mark the 100th anniversary of the Taisho Mudflow triggered by the 1926 eruption of Mt. Tokachi, visitors can also view CG footage depicting the Taisho Mudflow and visit a corner featuring promotional materials related to the film Mudflow Zone (Deiryu Chitai).





（Photo from IP2018 in Toyama）





Video on the Taisho Mudflow CG



Slope Failure Mitigation Model



Debris-flow Mitigation Model

Meeting Rooms 204, 201 & 202

◆Corporate Exhibits

Nineteen exhibition booths will be set up by 17 disaster risk reduction companies to showcase their initiatives and activities.

1	G1	株式会社　共生 KYOSEI CORPORATION
2	G2	柔構造物工法研究会 Japan Flexible Barrier Association
3	G3	日本工営株式会社 NIPPON KOEI CO.,LTD.
4	G4	応用地質株式会社 OYO Corporation
5	G5	建設無人化施工協会 Unmanned Construction System Association
6	G6	ジオブルックジャパン株式会社 GEOBERUGG Japan CO.,LTD.
7	S1	共和コンクリート工業株式会社 Kyowa Concrete Industry Co.,Ltd.
8	S2	株式会社建設技術研究所 CTI Engineering Co.,Ltd.
9	S3	株式会社建設技術研究所 CTI Engineering Co.,Ltd.
10	S4	サンスイ・ナビコ株式会社 SANSUI NAVICO Co.,Ltd.
11	S5	国際航業株式会社 KOKUSAI KOGYO Co.,Ltd.
12	S6	シバタ工業株式会社 SHIBATA INDUSTRIAL Co.,Ltd.
13	S7	国土防災技術株式会社 Japan Conservation Engineers & CO.,LTD 国土防災技術北海道株式会社 Japan Conservation Engineers of HOKKAIDO CO.,LTD
14	S8	アジア航測株式会社 Asia Air Survey Co.,Ltd.
15	S9	プロテックエンジニアリング株式会社 PROTEC ENGINEERING, INC.
16	S10	レフィクシア株式会社 Lefixea Inc.
17	G7	パシフィックコンサルタンツ株式会社 Pacific Consultants Co.,Ltd.
18	S11	パシフィックコンサルタンツ株式会社 Pacific Consultants Co.,Ltd.
19	G8	株式会社ネクシス光洋 Nexis Koyo Ltd.

◆Panel Discussion（Thu, Oct. 22）

Mid-sized Hall

INTERPRAEVENT 2026
Sapporo, Hokkaido, Japan

14:40～16:10

○Title

Disaster Preparedness under Diverse Natural and Social Conditions
— Limits of Assumptions and Opportunities for Learning Brought by Climate Change
多様な自然条件・社会条件の下での災害の備え ― 気候変動がもたらす前提の限界と学びの可能性 ―

○Summary

Climate change is diversifying disaster risks, with multiple hazards increasingly occurring in combination. As a result, conventional assumptions about disaster scenarios, preparedness, and response frameworks may no longer be sufficient. At the same time, the ways in which these changes manifest—and the challenges they create—vary significantly depending on natural conditions such as climate, topography, and ecosystems, as well as social conditions including land use, urbanization, lifestyles, and risk perception. This panel brings together researchers from regions with diverse “baseline conditions” (natural and social) to discuss how preparedness is being challenged and reshaped under climate change, drawing on experiences from different contexts. Specifically, it aims to shed light on the following points.

- **What assumptions about disaster scenarios, preparedness, and response are breaking down?**
- **What approaches and adaptations are being explored?**
- **What lessons can be shared across different regions and conditions?**

○Coordinator



Prof. Taro Uchida　Institute of Life and Environmental Sciences, Tsukuba University
内田太郎　筑波大学生命環境系　教授

○Panelists



ヒラー　プリスカ・ヘレーネ
Dr. Priska Helene Hiller, Senior engineer（上級技術者）
Norwegian water resources and energy directorate, NVE
Senior Engineer, Department of avalanche, landslide and flood mitigation
（ノルウェー水資源エネルギー局雪崩・地すべり・洪水減災部）



リーナート クリストフ
Dr. Christophe Lienert, Managing Director（事務局長）
Secretariat Steering Committee on “Intervention in Natural Hazards”（LAINAT）
Federal Office for the Environment FOEN, DETEC
(スイス連邦環境庁　自然災害介入に関する運営委員会）



ジャヤティッサ　ガミニ
Dr. Gamini Jayathissa, Chartered Geologist（認定地質専門家）
Director General, National Building Research Institute, NBRI, Sri Lanka
（スリランカ国家建築研究機構長）



Dr. Joko Kamiyama, Senior researcher,
Erosion and Sediment Control Research Group, Public Works Research Institute
神山 嬢子氏　（国研）土木研究所土砂管理グループ主任研究員



ソン ウ
Dr. Eu Song　Researcher, National Institute of Forest Science Landslide Division, South Korea
（韓国　国立山林科学院地すべり研究室研究官）

INTERPRAEVENT 2026
Sapporo, Hokkaido, Japan

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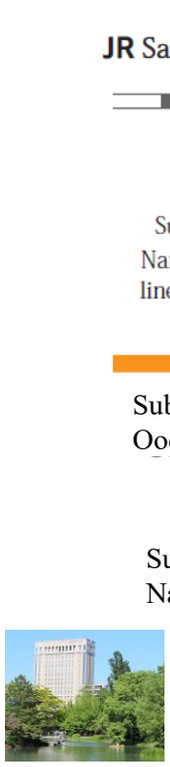
■Tokyo International Airport (HANEDA) ⇔ New Chitose Airport（CHITOSE）
There are direct flights between HANEDA and CHITOSE, which take about 1 hour 30 minutes.

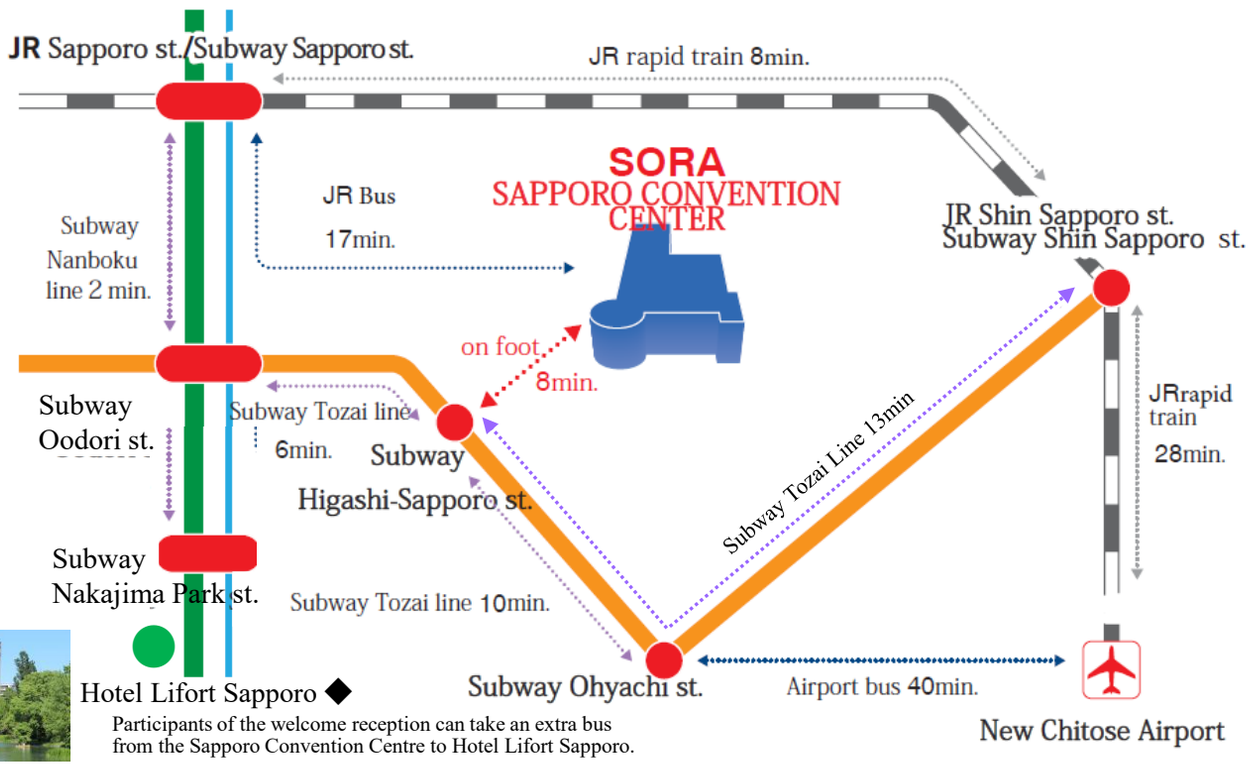
■Narita International Airport (NARITA) ⇔ New Chitose Airport（CHITOSE）
There are direct flights between NARITA and CHITOSE, which take about 1 hour 45 minutes.

■Kansai International Airport (KANSAI) ⇔ New Chitose Airport（CHITOSE）
There are direct flights between KANSAI and CHITOSE, which take about 2 hour 00 minutes.

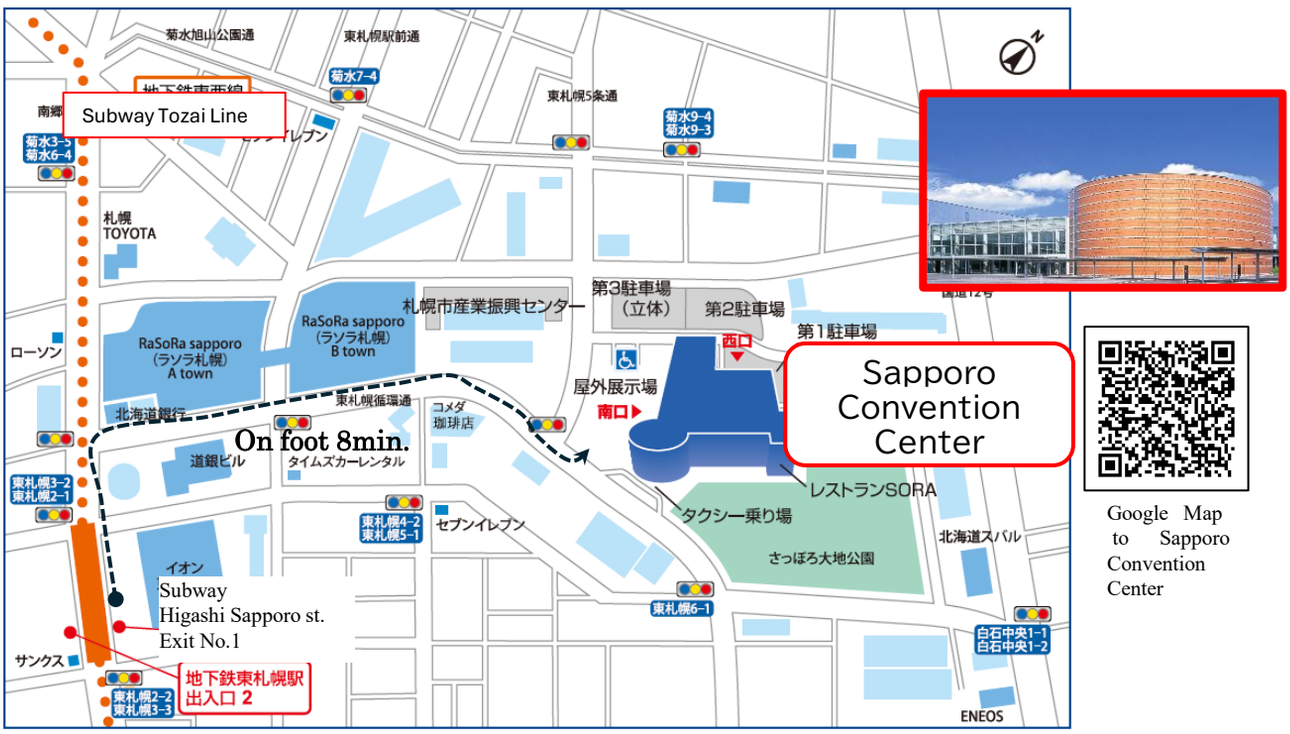
■Chubu Centrair International Airport (NAGOYA) ⇔ New Chitose Airport（CHITOSE）
There are direct flights between NAGOYA and CHITOSE, which take about 1 hour 35 minutes.

□New Chitose Airport ⇔ Sapporo Convention Center





Participants of the welcome reception can take an extra bus from the Sapporo Convention Centre to Hotel Lifort Sapporo.



Google Map to Sapporo Convention Center

We look forward to welcoming you.

ご来場をお待ちしています

INTERPRAEVENT 2026

Sapporo, Hokkaido, Japan

Risk management for
multi natural hazards under climate change

Date October 20 (Tue) - 23 (Fri), 2026

Venue Sapporo Convention Center

インタープリベント 2026

気候変動下における複合自然災害のリスク管理

会期 令和8(2026)年
10月20日(火)～23日(金)

会場 札幌コンベンションセンター



Tue. Oct 20, 2026 13:30 - Wed. Oct 21, 2026 - 13:00

Poster Room 1 (2F, Meeting Room 206)

Poster Session | Topic 1 | Monitoring for Sediment Movement, Modeling and Simulation

Poster Room 2. (2F, Meeting Room 207)

Poster Session | Topic 4 | Non-structural Measures: Warning and Evacuation, Hazard Maps, Land Use Plans and Public Awareness

Poster Session | Topic 5 | Emergency Response and Recovery

Student Awards Poster Session

Oct.,20 (Tue) 12:00 - 13:30 Poster Setup
Oct.,20 (Tue) 13:30 - 18:00 Poster Presentations
Oct.,20 (Tue) 16:30 - 18:00 Poster Presentation Core Time (Odd-numbered presentations for Topic 1, Topic 4, and Topic 5)
Oct.,21 (Wed) 8:30 - 13:00 Poster Presentations
Oct.,21 (Wed)11:30 - 13:00 Poster Presentation Core Time (Even-numbered presentations for Topic 1, Topic 4, and Topic 5, and all Student Awards presentations)
Oct.,21 (Wed)13:30 - 14:30 Poster Removal

Wed. Oct 21, 2026 14:30 - Thu. Oct 22, 2026 - 16:10

Poster Room 1 (2F, Meeting Room 206)

Poster Session | Topic 3 | Structural Measures: Planning, Designs, Construction and Maintenance including Community Revitalization and Ecosystem-based Disaster Risk Reduction(Eco-DRR)

Poster Room 2. (2F, Meeting Room 207)

Poster Session | Topic 2 | Catastrophic Disaster: Phenomena and Countermeasures

Poster Session | Topic 6 | National Land Resilience: Policy and Strategy of the Risk Management for Multi Natural Hazards

Oct.,21 (Wed)13:30 - 14:30 Poster Setup
Oct.,21 (Wed)14:30 - 18:00 Poster Presentations
Oct.,22 (Thu) 8:30 - 16:10 Poster Presentations
Oct.,22 (Thu)11:30 - 13:00 Poster Presentation Core Time (All presentations for Topic 2, Topic 3, and Topic 6)
Oct.,22 (Thu)16:10 - 17:00 Poster Removal

© Organizing Committee of INTERPRAEVENT 2026

Tue. Oct 20, 2026 13:30 - | Wed. Oct 21, 2026 - 13:00

Poster Room 1 (2F, Meeting Room 206)

[PT1] Topic 1

[PT1-01] Use of a three-dimensional elastoplastic flow smoothed particle hydrodynamics method to model deep-seated landslides and landslide dam formation

Takayuki Takata[1] (1. Eight-Japan Engineering Consultants Inc.)

[PT1-02] Sea Surface Temperature Effects on Heavy Snowfall during the 2024/2025 Early Winter in Aomori, Japan

Kenta Tamura[1] (1. National Research Institute for Earth Science and Disaster Resilience)

[PT1-03] A case study of sediment and flooding damage countermeasures considering sediment production and movement from landslides in the Tajikawa River, Yoshino River basin

Kimihiro Yokoo[1] (1. Yachiyo Engineering Co., Ltd.)

[PT1-04] Multiple Ground Cameras Acquisition Testing for Topographical SfM-MVS Computation

Mariko Shimizu[1] (1. CTI Engineering, Co., Ltd.)

[PT1-05] First results on the influence of vegetation status on sediment dynamics using UAV-based multi-sensor surface data in High Alpine Catchments - Rofental, Austria

Michael Avian[1] (1. Department of Climate Impact Research, Geosphere Austria)

[PT1-06] Bedload transport-discharge patterns with long-term monitoring in an Alpine stream, Austrian Alps

Sabrina Schwarz[1] (1. Institute of Hydraulic Engineering and River Research, BOKU University)

[PT1-07] 1D Calculation for Bed Variation Considering Sediment Yielding Corresponding to Local Sediment Conditions

Yuto Mizuno[1] (1. Osaka Office, Nippon Koei Co., Ltd.)

[PT1-08] Development of a Grain-Size-Dependent Virtual Velocity Formula in Unsteady Bedload Transport - A Case Study of the Gail River -

Lukas Unger[1] (1. Institute of Hydraulic Engineering and River Research, BOKU University)

[PT1-09] Photogrammetry versus Laserscan - The implementation of two retention dam monitoring systems -

Matthias Schitter[1] (1. Institute of Hydraulic Engineering and River Research, BOKU University)

[PT1-10] Coupling bedload measurement data with multi-temporal UAV-monitoring: Findings from a rapidly retreating glaciated high-alpine area.

Michael Paster[1] (1.Institute of Hydraulic Engineering and River Research, Department of Landscape, Water, Infrastructure, BOKU

[PT1-11] Peak lag time in hillslope in high-relief meso-scale catchment can be extremely short

Takafumi Hajika[1] (1. Institute of Life and Environmental Sciences, University of Tsukuba)

[PT1-12] Abrasion in Nature - A single particle analysis -

Dorian Shire-Peterlechner[1] (1. Institute of Hydraulic Engineering and River Research)

[PT1-13] Temporal changes in rainfall thresholds and regime shift in volcanic debris-flow activity at Mount Unzen, Japan

Ji-Hyeok Park[1] (1. Kasuya Research Forest, Kyushu University)

[PT1-14] Study on the Mechanism of Slush Avalanche in Osawa River, Mount Fuji

Naoki Nishimura[1] (1. Asia Air Survey Co., Ltd.)

[PT1-15] Evaluation of a Random Forest model for predicting co-seismic landslide susceptibility using a topographic-geologic zoning map

Junko Iwahashi[1] (1. Geography and Crustal Dynamics Research Center, Geospatial Information Authority of Japan)

[PT1-16] A Landslide-Unit-Based Framework for InSAR Sensitivity Assessment: A Case Study from the Minobu Mountains, Japan

Seiya Usami[1] (1. Hokkaido Research Organization)

[PT1-17] Estimation of Discharged Driftwood Quantity in Debris Flow Areas Using Driftwood Simulation

Takami Otsubo[1] (1. CTIE Engineering Co., Ltd.)

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Poster Room 1 (2F, Meeting Room 206)

[PT1] Topic 1

[PT1-18] The Dimensionless Topographic Profile as a Covariable of the Energy Line Angle for Large-Scale Rockfall Risk Assessment Mapping

Baptiste Desbuquois[1] (1. National Research Institute for Agriculture, Food and Environment (INRAE))

[PT1-19] Flume Tests for Sediment Control by the Movable Shutter

Haruki Watabe[1] (1. R&D Center, Nippon Koei Co., Ltd.)

[PT1-20] Analysis of Flood-Vulnerable River Bends Using a 2D Hydraulic Model and DSM

Sung Uk Kim[1] (1. Department of Urban Environment and Disaster Management, Kangwon National University)

[PT1-21] Application of HEC-RAS to Assess Debris-Flow Dynamics in Mountainous Catchments Near the Coastal Region

HyungJoon Chang[1] (1. Research and Development Department, Hyeopseong E&C Co., Ltd.)

[PT1-22] Status and Case Studies of South Korea's Automated Monitoring System for Slow-moving Landslides

Junpyo Seo[1] (1. Landslide Division, National Institute of Forest Science)

[PT1-23] Comparison of numerical analysis and physical modeling on the example of the Ferchenbach

Lukas Knafl[1] (1. Federal Ministry for Agriculture and Forestry, Climate an Environmental Protection, Regions and Water Management)

[PT1-24] An attempt to develop a simple sediment concentration sensor ～RGB sediment concentration sensor～

Kazuhide Igarashi[1] (1. Nippon koei CO., LTD.)

[PT1-25] Flow-system Characteristics and Residence Times of Deep Groundwaters in the Takisaka Landslide, Fukushima Prefecture, Japan

Naoki Watanabe[1] (1. Graduate School of Science and Technology, Niigata University)

[PT1-26] Estimation of Proportional Contributions of Sediment Origins in Transport and Deposition

Yuya Takahashi[1] (1.CTIE Engineering Co., Ltd.)

[PT1-27] Evaluation of the Temporal Evolution of Landslide Expansion in Low-Frequency Heavy Rainfall Regions: A Case Study in the Saru River Basin, Hokkaido, Japan

Ken'ichi Koshimizu[1] (1. Research Institute of Energy, Environment and Geology, Industrial Technology and Environment Research Department, Hokkaido Research Organization)

[PT1-28] Dynamics and Functional Modeling of a Bedrock Spring Runoff in a Small Granite Mountainous Catchment

Haruka Saito[1] (1. Graduate school of Agriculture, Hokkaido University)

[PT1-29] Efficiency of Trapping a Debris Flow for a Check Dam with Various Arrangements of Dam-opening in the Transverse Direction

Takashi Wada[1] (1. Dept. of Social Systems and Civil Engineering, Tottori University)

[PT1-30] A Consideration of the Results from Sediment Hydrology Observations Obtained During Floods and Sediment Runoff Hysteresis Loops

Masanao Kobayashi[1] (1. Kii Mountain District Sabo Office, Ministry of Land, Infrastructure, Transport and Tourism)

[PT1-31] Surface Erosion in Post-Landslide Bare Slopes Induced by the 2018 Hokkaido Eastern Iburi Earthquake - An erosion pin approach -

Shinya Katsura[1] (1. Research Faculty of Agriculture, Hokkaido University)

[PT1-32] Study on the Application of Interval Camera Images and SfM/MVS Techniques for Monitoring Sediment Dynamics

Teruyoshi Takahara[1] (1. Sediment Disaster Prevention Technology Center, Kinki Regional Bureau)

[PT1-33] Development of an AI-Based Image Analysis Method for Debris Flow Detection in Power-Unavailable Mountainous Areas

Takaharu Ochi[1] (1. IDEA Consultants, Inc.)

[PT1-34] Feasibility Study of Wide-Area Volcanic Corridor Mapping Using LiDAR-Equipped Long-Range VTOL Fixed-Wing UAV

Yasuhiro Murakami[1] (1. Hokkaido Regional Development Bureau)

[PT1-35] An Attempt on Efficient Monitoring Riverbed Sediment Variation Using A UAV

Kenji Hashimoto[1] (1. Erosion and Sediment Control Research Group, Public Works Research Institute)

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[PT1] Topic 1

[PT1-36] Debris flow initiation and rapid bulking following the 2025 Shinmoedake eruption driven by fine ash deposition in headwaters, Japan

Takashi Koi[1] (1. Center for Natural Hazards Research, Hokkaido University)

[PT1-37] Multi-platform 3D topographic measurements of a landslide in Muscel catchment, Buzau Subcarpathians, Romania toward repeated survey-based monitoring

Yuichi Hayakawa[1] (1. Faculty of Environmental Earth Science, Hokkaido University)

[PT1-38] Experimental Study on Infiltration Rate Change due to Thickness of Litter Layer Under Pyroclastic Material

Ryota Umetani[1] (1. Public Works Research Institute)

[PT1-39] Introduction of a Free Surface in Solid-Fluid Two Phase Flow by using Palabos, LIGGGHTS, and LBDEMcoupling

Takeshi Shimizu[1] (1. Volcano and Debris flow Research Team, Public Works Research Institute)

[PT1-40] Boulder Motion Induced by Impulse Wave Run-up: Laboratory Experiments

Elena Pummer[1] (1. Department of Civil and Environmental Engineering, Norwegian University of Science and Technology)

[PT1-41] Possible Slope Disasters in Each Watershed Estimated by Electrical Conductivity and Turbidity

Tomoaki Nikaido[1] (1. Graduate School of Integrated Arts and Sciences, Niigata University)

[PT1-42] Characteristics of high salinity groundwaters from Matsuba landslide in Niigata Prefecture

Hiyori Kobayashi[1] (1. Graduate school of science and technology, Niigata University)

[PT1-43] Observation of Debris Flow Using 3D LiDAR in Volcanic Region

Akito Kanazawa[1] (1. Erosion and Sediment Control Research Group, Public Works Research Institute)

[PT1-44] A study on understanding groundwater distribution focusing on resistivity changes detected by airborne electromagnetic surveys

Wataru Takeshita[1] (1. Sediment Disaster Prevention Technology Center, Kinki Regional Development Bureau, MLIT)

[PT1-45] Comparison of AHP-GIS-Based Landslide Potential Maps and Time-Series InSAR Analysis Results: A Case Study in Central Shikoku, Japan

Masanori Kohno[1] (1. Faculty of Engineering, Tottori University)

[PT1-46] Numerical Simulation of the Breaching Process of a Landslide Dam Composed of Heterogeneous Materials

Shoki Takayama[1] (1. Disaster Prevention Research Institute, Kyoto University)

[PT1-47] A Method to Monitor Sediment Discharge During Flooding Using Sediment Transport Rate Formulas - With utilizing bed load observation by pipe hydrophone -

Zhengxing Ye[1] (1.Civil Engineering and Eco-technology Consultants Co., Ltd.)

[PT1-48] Preliminary Analysis of a Probabilistic Density Based Evaluation Method for Detecting Sediment Movements - Sediment Crisis Management Using Sediment and Hydrological Information -

Yoshiki Asahara[1] (1. Nippon Koei Co., Ltd.)

[PT1-49] Applying SIMWE at basin scale: DEM preprocessing for realistic runoff routing and sediment transfer

Federica Fiorucci[1] (1. CNR IRPI)

[PT1-50] An Accuracy Improvement Method for Detecting Sediment-related Disaster Areas Using SAR Data Considering Observation Geometry

Takatoshi Kawano[1] (1. National Institute for Land and Infrastructure Management, Ministry of Land, Infrastructure, Transport and Tourism)

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Poster Room 2. (2F, Meeting Room 207)

[PT1] Topic 1

[PT1-51] Assessment of Sediment Dynamics Using a Distributed Sediment Movement Prediction Model

Shinichi Sakka[1] (1. Yachiyo Engineering Corporation)

[PT1-52] Physical Characteristics of Slip Surfaces Measured in In-Situ Direct Shear Tests at Yui Landslide

Akihiro Miyagi[1] (1. Sabo & Landslide Technical Center)

[PT1-53] Hydraulic Model Experiments on the Performance of a Debris Flow Dispersion and Deposition Facility

Yuuki Nagatomo[1] (1. Kyushu Kouei Co., Ltd.)

[PT1-54] Results of Sediment Transport Observations at the Bouzudaira Sabo Dam in the Yotagiri River of the Tenryu River System (2006–2025)

Takuma Iuchi[1] (1. CTI Engineering Co., Ltd.)

[PT1-55] Multi-site Turbidity Monitoring Using Time-Lapse Cameras in Mountain Rivers

Kaho Ichikura[1] (1. Tsukuba University)

[PT1-56] Parameter Estimation for Watershed-Scale Sediment Runoff Simulation Using Bedload Observations and Tree-structured Parzen Estimator (TPE)

Hiroki Nakagawa[1] (1. Graduate School of Engineering, Kyoto University)

[PT1-57] Long-Term Changes in Suspended Sediment Discharge Characteristics Following the 2016 Hokkaido Heavy Rainfall Event

Daigo Naito[1] (1. Civil Engineering Research Institute for Cold Region, Public Works Research Institute)

[PT1-58] Performance Evaluation of Grain Size Distribution Estimation Models for Riverbed Materials Based on UAV-SfM

Kenko Iha[1] (1. Graduate School of Engineering, Kyoto University)

[PT1-59] Development of Compact Borehole Inclinometers Capable of Measuring Large Displacements along Slip Surfaces

Kenji Iida[1] (1. Public Works Research Institute)

[PT1-60] Observed sediment loads of torrent events in Austrian catchments

Johannes Kammerlander[1] (1. Forest Engineering Service in Torrent and Avalanche Control)

[PT1-61] Integrated Governance of Large-Scale Landslide Potential Areas (LSLPA): A Dynamic Risk Model Based on Spatial-Temporal Monitoring and Phased Engineering

Bing-Shyan Lin[1] (1. Department of Water Resources Engineering and Conservation, Feng Chia University)

[PT1-62] The Unstable Sediment Transport Model for Watersheds and Impact Assessment in Taiwan

Ching-Fang Lee[1] (1. InnoFusion Environmental Management Co., Ltd.)

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Poster Room 2. (2F, Meeting Room 207)

[PT4] Topic 4

[PT4-01] Quantitative evaluation of the sediment movement occurrence probability considering various factors in forest areas of Japan

Hiromi Akita[1] (1. National Research Institute for Earth Science and Disaster Resilience)

[PT4-02] Near-Real-Time Landslide Prediction Using Artificial Intelligence Models Integrated with Physically Based TRIGRS Simulations

Yang Song-Yue[1] (1. Department of Urban Planning and Spatial Information, Feng Chia University, Taiwan)

[PT4-03] Developing Landslide disaster alert system"Dosha-Kiji"

Hiroaki Nakanishi[1] (1. CTI Engineering Co., Ltd., Tokyo Headquarters, Sabo Sector)

[PT4-04] Projects to increase public awareness of natural hazards

Valerie Oswald[1] (1. Austrian Service for Torrent and Avalanche Control, Upper Austria)

[PT4-05] Towards coherent official warning services - strategic considerations for the advancement of multi-hazard platforms -

Christophe Lienert[1] (1. Secretariat Swiss Steering Committee on Intervention in Natural Hazards LAINAT, c/o Swiss Federal Office for the Environment BAFU)

[PT4-06] Support for Foreign Tourists during Evacuations Concerning the Sediment-related Disasters

Mizuki Kawai[1] (1. Department of Planning and Research, Sabo Frontier Foundation)

[PT4-07] Analysis of Landslide Early-Warning Accuracy Improvement Using Mountain Meteorology Observation System (AMOS)

Song Eu[1] (1. Landslide Division, Dept. of Forest Disaster and Environment Research, National Institute of Forest Science)

[PT4-08] A Study on Drone-LiDAR-Based Hazard Risk Assessment for Steep Slopes

Hang Il Jo[1] (1. Graduate School of Disaster Prevention, Kangwon National University)

[PT4-09] Climate and Forest Effects in Avalanche Susceptibility Maps

Kjersti Gisnås[1] (1. Natural Hazards Division, Norwegian Geotechnical Institute)

[PT4-10] Educating for Resilience to Climate-Driven Geohazards through International Collaboration – Experience from the GEOMME Partnership's Journey in Research and Education

Graham Gilbert[1] (1. Natural Hazards Division – Norwegian Geotechnical Institute (NGI))

[PT4-11] Canopy Height as a Key Structural Control on Soil Surface Erosion Under Natural Rainfall and Rainfall Simulation

Khwaja Haqdad[1] (1. Dept. of Civil and Environmental Engineering, Ritsumeikan University)

[PT4-12] Effects of Earthquake-Induced Slope Deformation from the January 2024 Noto Peninsula Earthquake on Sediment Disasters Caused by the September 2024 Oku-Noto Heavy Rainfall

Hiromu Daimaru[1] (1. Department of Environmental Science, Ishikawa Prefectural University)

[PT4-13] Phased Roadmap for the Transition from Conceptual to Operational On-Site Landslide Response Management

Sujin Jang[1] (1. Forest Disaster Prediction & Analysis Division, National Institute of Forest Science)

[PT4-14] Development of Criteria for Preventive Road Closures in Extreme Weather Conditions based on Quantitative Risk Evaluation

Yasuhiro Kimoto[1] (1.Prefectural Land Development Department, Wakayama Prefectural Government)

[PT4-15] Development of the system for analyzing the unprecedented rainfall index (Tp) and its behavior during the 2025 rainfall event

Shigetaka Takiguchi[1] (1. SABO Department, National Institute for Land and Infrastructure Management, Japan)

[PT4-16] A Study on the Feasibility of Applying Precipitation Forecasts from the MEPS (Mesoscale Ensemble Prediction System) to Sediment disaster warning information

Reiya Shiomi[1] (1. National Institute For Land and Infrastructure Management, Ministry of Land, Infrastructure, Transport and Tourism)

[PT4-17] From engagement to awareness: communicating geo-hydrological risk through student activities in Italy

Paola Salvati[1] (1. National Research Council, Research Institute for Geohydrological Risk (CNR-IRPI))

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[PT4] Topic 4

[PT4-18] Statistical analysis of the likelihood of debris flow disasters due to post-earthquake rainfall

Motoki Ito[1] (1. Ministry of Land, Infrastructure, Transport and Tourism)

[PT4-19] Initiatives for “Infrastructure Geo-Tourism” around Mt. Tokachidake

Hideaki Ioki[1]
(1.Development Partnership Division, Development Administration Department, Hokkaido Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT))

[PT4-20] Strengthening Resilience and Preparedness to Prevent and React to Emerging Socio-Natural Hazards and Risks

Sophia Sternath[1] (1. Department of Geography and Regional Research, University of Vienna)

[PT4-21] Enhancing Flood Risk Management through Bidirectional Information Systems: The RED ROSES Platform for Community-Centered Early Warning and Response

Simone Sterlacchini[1] (1. National Research Council of Italy (CNR), Institute of Environmental Geology and Geoengineering, Laboratory of Risk Analysis and Emergency Management)

[PT4-22] Development of a Channelized Debris-Flow Identification Model and Potential Assessment Method in Sedimentary Rock Areas Using Terrain Analysis

Tien-Chien Chen[1] (1. Department of Soil and Water Conservation, National Pingtung University of Science and Technology)

[PT4-23] Ground Subsidence Susceptibility Mapping Using Machine Learning: A Case Study of Busan, South Korea

Joon-Young Park[1] (1. Geological Safety Division, Korea Institute of Geoscience and Mineral Resources (KIGAM))

[PT4-24] Development of a microcontroller-based wireless vibration sensor and its application to winter-season field tests

Takaaki Abe[1] (1. Cold-Region Hydraulic and Aquatic Environment Engineering Research Group, Civil Engineering Research Institute for Cold Region)

[PT5] Topic 5

[PT5-01] Verification of Countermeasure Structures for River Channel Blockage in the Hidaka-Horonai River of the Azuma River System through Hydraulic Model Experiments

Wataru Fukuoka[1] (1. CTI Engineering Co., Ltd.)

[PT5-02] Survey of Multiple Landslides Disasters induced by Volcanic Eruptive Events in the Aso Region - Application of UAVs for Initial Disaster Surveys -

Eiji Torita[1] (1. Asia Air Survey Co. LTD.)

[PT5-03] Assessing Pre- and Post-Disaster Vegetation Recovery in a Landslide Area Using Integrated Spectral Indices

Chia Wu[1] (1. Department of Soil and Water Conservation, National Chung Hsing University)

[PT5-04] Applicability of UAV-Based Inspection for the Maintenance of Steep-Slope Failure Prevention Facilities

Ryuhei Kai[1] (1. Kyusyu Koei Co., Ltd.)

[PT5-05] Comparison of 3D Reconstruction Methods for Bi-Temporal Change Detection of Sediment Control Facilities Using UAV Imagery: Multi-View Stereo, NeRF, and 3D Gaussian Splatting

Satoko Hattori-Nagao[1] (1. Asia Air Survey Co., Ltd.)

[PT5-06] Research on the construction of a data platform for information sharing, anticipating initial response during large-scale disasters - A trial to promote methods for sharing disaster information using the Government-built data platform -

Toru Shimada[1] (1. Department of Land Conservation Engineering, Kokusai Kogyo Co., Ltd.)

[PT5-07] Use of Building/Construction Information Modeling, Management (BIM/CIM) in Emergency Response to Landslide Disasters

Ikuo Murata[1] (1. Public Works Research Institute)

[PT5-08] Halfway through the NATRISK project: Enhancing risk management and resilience to natural hazards in India, Brazil and Norway through collaborative education, research and innovation

Luca Piciullo[1] (1. Division of Natural Hazards, The Norwegian Geotechnical Institute)

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Poster Room 2. (2F, Meeting Room 207)

[PS] Student Awards Poster Session

[PS-01] Topographic characteristics of the spatial distribution of active landslides detected by DInSAR analysis in the Southern Japanese Alps focusing on geological types

Osuke Taima[1] (1. Department of Geography, Graduate School of Environmental Studies, Nagoya University)

[PS-02] DEM-Based Watershed Segmentation Using Stream Tubes for Landslide Analysis Applications

Shoki Imamine[1] (1. Graduate School of Science and Technology, Shinshu University)

[PS-03] Field Application of a Non-Contact Sediment Transport Measurement by Electrical Conductivity Approach Using Electrode Plates

Rin Kawai (1. Graduate School of Science and Technology, Shinshu University)

[PS-04] Effectiveness Assessment of Hazard Mitigation Measure for Shallow Landslide and Debris Flow in a Small Mountainous Catchment Using Physically-Based Modeling

Gwangjin Yu[1] (1. Department of Forest Resources, Daegu University)

[PS-05] Analysis of the Groundwater Flow System of the Hirota Landslide, Niigata Prefecture, Japan

Koovakkadan Biju Krishnaveni[1] (1. Graduate School of Science and Technology, Niigata University)

[PS-06] Estimation of Stand-Level Root Traits Using Tree Aboveground Structural Attributes in a Mixed Forest

Yongjun Chun[1] (1. Department of Forest Resources, Daegu University)

[PS-07] Impact of the 2024 Noto Peninsula Earthquake and Subsequent Heavy Rainfall on Shallow Landslide Initiation

Kensuke Kawai[1] (1. Graduate School of Science and Technology, Shinshu University)

[PS-08] Development of an Active Large Wood Trap by Experimental Approach

Kaoruko Sugiyama[1] (1. Graduate School of Science and Technology, Shinshu University)

[PS-09] Influence of Riverbank Erosion on Slope Movements along Undercut Slopes

Hayato Kakinuma[1] (1. Graduate School of Agricultural and Life Science, Hirosaki University)

[PS-10] Effects of Forests on Rainfall-Induced Shallow Landslides - A Study of Two Events with Different Forest Age Compositions -

Reo Iura[1] (1. Graduate School of Science and Technology, Niigata University)

[PS-11] Fundamental Research for Developing a Risk Assessment Model for Landslides Caused by Earthquakes - Statistical Analysis of Landslide Characteristics Caused by Earthquakes -

Tsubasa Yamzaki[1] (1. Graduate School of Integrated Arts and Sciences, Niigata University)

[PS-12] Impact of Climate Change on Landslide Susceptibility in Hokkaido, Japan

Lu Liu[1] (1. Graduate school of Environmental Science, Hokkaido University)

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Wed. Oct 21, 2026 14:30 - | **Thu. Oct 22, 2026 16:10 -**

Poster Room 1 (2F, Meeting Room 206)

Poster Session | Topic 3 | Structural Measures: Planning, Designs, Construction and Maintenance including Community Revitalization and Ecosystem-based Disaster Risk Reduction(Eco-DRR)

Poster Room 2 (2F, Meeting Room 207)

Poster Session | Topic 2 | Catastrophic Disaster: Phenomena and Countermeasures

Poster Session | Topic 6 | National Land Resilience: Policy and Strategy of the Risk Management for Multi Natural Hazards

Oct.,21 (Wed)13:30 - 14:30 Poster Setup
Oct.,21 (Wed)14:30 - 18:00 Poster Presentations
Oct.,22 (Thu) 8:30 - 16:10 Poster Presentations
Oct.,22 (Thu)11:30 - 13:00 Poster Presentation Core Time (All presentations for Topic 2, Topic 3, and Topic 6)
Oct.,22 (Thu)16:10 - 17:00 Poster Removal

Poster Room 1 (2F, Meeting Room 206)

[PT3] Topic 3

[PT3-01] A Consideration on Functional Characteristics of Block Check Dams

Norio Harada[1] (1. Department of Civil and Environmental Engineering, Ritsumeikan University)

[PT3-02] Evolution of Hybrid-Structure Sabo Dams in Japan - Toward their optimal structures -

Yoshio Sakaba[1] (1. Kyosei.Co., Ltd.)

[PT3-03] A Study on Promoting Eco-DRR Based on Forest Functions for Landslide Disaster Risk Reduction

Takafumi Fukuike[1] (1. SABO & LANDSLIDE TECHNICAL CENTER)

[PT3-04] Distinct Element Method Analysis for Base Stress in Concrete Block Structures for Sabo Dam

Ryuta Inoue[1] (1. Sabo and Landslide Technical Center)

[PT3-05] Progress and effectiveness of countermeasures in the Takisaka landslide -Changes in landslide activity due to lowering of groundwater level-

Miteki Kishimoto[1] (1. Sabo and landslide technical center)

[PT3-06] A Case Study of Design Innovations to Enhance the Function of Permeable Sabo Dams as Fish Passage Routes

Yuki Igarashi[1] (1. Sabo & Landslide Technical Center)

[PT3-07] Initiatives to Expand UAV Utilization for Erosion Control Facility Inspections in steep mountainous river areas

Kokoro Suzuki[1] (1. Asia Air Survey CO., Ltd.)

[PT3-08] An attempt to inspect avalanche protection structures in the snow season using unmanned aerial vehicles

Naoto Sakaki[1] (1. Snow Avalanche and Landslide Research Center, Pubic Works Research Institute)

[PT3-09] The EconoMe QGIS-Plugin

Linda Zaugg-Ettlin[1] (1. WSL Institute for Snow and Avalanche Research SLF)

[PT3-10] Promoting Watershed Adaptation Projects through Nature-based Solutions

Po Chen[1] (1. Agency of Rural Development and Soil and Water Conservation, MOA)

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Poster Room 1 (2F, Meeting Room 206)

[PT3] Topic 3

[PT3-11] Economic-functional and technical adaptations of protection systems – practical challenges

Markus Moser[1] (1. Austrian Service for Torrent and Avalanche Control, Regional Headquarters Lungau)

[PT3-12] Rehabilitation of old torrent control structures - A practice-based contribution

Johannes Kammerlander[1] (1. Torrent and Avalanche Control, Regional Unit Ausserfern)

[PT3-13] Flume Tests for Hydraulic Uplift Pressure Acting on Sabo Dams

Tomoyuki Hoya[1] (1. Research and Development Center, Nippon Koei Co.,Ltd.)

[PT3-14] Methodology to improve the accounting of forest effects in hazard mapping in Norway

Vittoria Capobianco[1] (1. Department of Natural Hazards, Norwegian Geotechnical Institute)

[PT3-15] Land Conservation Projects in the DX Era - Surveying, Planning, Design, and Construction Utilizing UAV LiDAR Data -

Goshi Ogawa[1] (1. Department of Forest Consulting, ASIA AIR SURVEY)

[PT3-16] Feasibility of UAV imagery-based inspection of Sabo dams using AI-based object detection technology

Satsuki Sakakibara[1] (1. Public Works Research Institute)

[PT3-17] Initiatives to Enhance the Efficiency of Erosion Control Facility Inspection Using UAVs and AI in Nagano Prefecture

Yasuhiro Ieda[1] (1. CTI Engineering Co., Ltd.)

[PT3-18] The Evolution Process of Sabo Technology in Tateyama Sabo

Shin-ichiro Hayashi[1] (1. Matsumoto SABO Office, Hokuriku Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism)

[PT3-19] Proposing a simple method for calculating sediment runoff volume in watersheds prone to sediment laden flood inundation and comparisons with actual results

Yasutaka Tanaka[1] (1. National Institute for Land and Infrastructure Management)

[PT3-20] Stability and Pool Burial Characteristics of Step–pool Systems After a Debris Flow Event - Topographical, Hydrological, and Sediment Controls -

Yutaka Gonda[1] (1. Fac. of Agriculture, Niigata University,)

[PT3-21] Evaluation of the Effectiveness of Autonomous UAV Flight Inspection for Improving the Efficiency of Sabo Facility Inspection

Kaito Ikuta[1] (1. Obihiro River Office, Obihiro Development and Construction Department)

[PT3-22] Lahar Mitigation Measures at Mount Tarumae -A Case Study on the Construction of Steel Cell -Type Check Dams in Soft Volcanic Ash Soil-

Akinari Kurihara[1] (1. Tomakomai Sabo and Seacoast Office, Muroran Development and Construction Department, Hokkaido Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism)

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Poster Room 1 (2F, Meeting Room 206)

[PT3] Topic 3

[PT3-23] Maintenance and Management of Large-Scale Sand Control Facilities in Soil and Water Conservation Projects - A Case Study of Hillside Areas in Southern Taiwan
Yu-Wen Su[1] (1. Assistant Professor, Department of Civil and Geomatics, Cheng Shiu University)

[PT3-24] Improvement suggestion for Urban Foothill Green Belt Projects for the Creation and Preservation of Urban Hillside Environment
Hisashi Watanabe[1] (1. Sabo Frontier Foundation)

[PT3-25] Sediment Regulation Mechanism Framework integrated with a Graded Warning System - a Case Study of the Choutengkeng Creek, Taiwan
Yu-Fang Chiu[1] (1. Department of Soil and Water Conservation, National Chung Hsing University)

[PT3-26] Integrated Hard and Soft Countermeasures in Volcanic Sabo: - Improvement of the Biei River No.1 Sabo Dam and Its Multifunctional Role in Regional Disaster Resilience -
Atsushi Nakajima[1] (1. Asahikawa River Office, Asahikawa Development and Construction Department, Hokkaido Regional Development Bureau, MLIT)

[PT3-27] Proposal of Blockage-Mitigation Structures Against Sediment and Driftwood Inflow from External Watersheds into Road Embankments
Hirohito Motoyama[1] (1. Chuo Fukken Consultants Co., Ltd.)

[PT3-28] Case Study on Countermeasures for Vegetation-Related Obstacles and Efficiency Improvement through UAV-Based Inspection
Yoshihiro Ohta[1] (1. Sapporo River Office, Sapporo Development and Construction Department, Hokkaido Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT))

[PT3-29] Community-Based Conservation of Historic Erosion Control Structures and Its Contribution to Regional Revitalization – A Case Study of the “Bessho Sunadome” in Fukuyama City, Hiroshima Prefecture –
Teruhisa Higuchi[1] (1. Faculty of Environmental, Life, Natural Science and Technology, Okayama University)

[PT3-30] Redesign of Facility Placement Plan against Sediment and Flood Damage Using Riverbed Variation Calculations in the Himekawa River in Japan
Toshihiro Kikui[1] (1. SABO & LANDSLIDE TECHNICAL CENTER)

[PT3-31] Torrent Control Kotbach, Hallein, Austria - From a flooding event in 2021 to the implementation of protective measures -
Claudia Bernau[1] (1. Austrian Service for Torrent and Avalanche Control, Regional Headquarter Pongau, Tennengau und Flachau)

[PT3-32] Flight Route Planning for UAV-Based Inspection of Sabo Facilities Using CIM
Yuichi Kondo[1] (1. River Planning Division, Sapporo Development and Construction Department, Hokkaido Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT))

[PT3-33] AAdapting Healthy Watersheds Assessment Framework for Data-Scarce Watersheds: Evaluating Riparian Functions in Ungauged Basins
Chuan-Kai Hsieh[1] (1. Department of Soil and Water Conservation, National Chung Hsing University, Taiwan)

[PT3-34] Forest structure controls on sub-canopy snowpack stratigraphy: Implications for avalanche mitigation and protective forests as Eco-DRR
Michaela Teich[1] (1. Department of Natural Hazards, Austrian Research Centre for Forests (BFW))

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Poster Room 2. (2F, Meeting Room 207)

[PT2] Topic 2

[PT2-01] Extraction of seismic factors influencing the distribution of coseismic landslides triggered by the 2024 Noto Peninsula Earthquake, Japan

Ryo Endo[1] (1. Geospatial Information Authority of Japan)

[PT2-02] Micro-Mechanism Insights into Earthquake- and Rainfall-Induced Failures of Volcanic Slopes: The Governing Role of Particle Breakage

Thanh Nguyen[1] (1. Graduate School of Engineering, Muroran Institute of Technology)

[PT2-03] Movement of the Landslide Without Breaking Apart Caused by the 2018 Hokkaido Iburi Tobu Earthquake

Tomoya Hayakawa[1] (1. Nippon Koei Co., Ltd.)

[PT2-04] Research on the frequent occurrence of large-scale avalanches in Honshu, Japan, triggered by heavy snowfall associated with global warming

Satoru Yamaguchi[1] (National Research Institute for Earth Science and Disaster Resilience)

[PT2-05] Passive acoustic monitoring of proglacial discharge: A case study in Qaanaaq, Northwest Greenland

Tomohiro Nakayama[1] (1.Arctic Research Center, Hokkaido University)

[PT2-06] Geo-disaster Reports on Geogrid-Reinforced Soil Walls for the 2024 Oku-Noto Heavy Rainfall After the 2024 Noto Peninsula Earthquake

Tetsuya Kubo[1] (1. Muroran Institute of Technology)

[PT2-07] Detection and Volume Estimation of Woody Debris Generated by Heavy Rainfall Using Airborne Laser Scanning in the Mibugawa River Basin, Central Japan

Taijiro Fukuyama[1] (1. Dept. of Forest and Environmental Symbiosis, Faculty of Agriculture, Shinshu University)

[PT2-08] Insights into the 2024 extreme flood event in Lower Austria

Michael Krapesch[1] (1. Institute of Hydraulic Engineering and River Research, BOKU University)

[PT2-09] Effects of Particle Mixture and Slope Angle on Erosion by Dry Granular Impact Flows

JiHoon Lee[1] (1. Department of Civil and Environmental Engineering, Kangwon National University)

[PT2-10] Case study for elucidation of the mechanism of the deep-seated landslide caused by the Tenna Nikko Earthquake in 1683 using drone airborne transient electromagnetic measurements

Atsuhiko Kinoshita[1] (1. Nikko Sabo Office, Kanto Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism)

[PT2-11] Spatial Variability of Earthquake-Induced Landslides: Implications for Watershed Sediment Dynamics from The Hokkaido Eastern Iburi Earthquake

Yohei Arata[1] (1. Forestry Research Institute, Hokkaido Research Organization)

[PT2-12] Vegetation Recovery Following the Expansion of the Large-scale Landslide in Inamata Valley Since 2019

Reiko Akiyama[1] (1. Oriental Consultants Co., Ltd.)

[PT2-13] Hydrological Response to Rainfall and Soil Physical Properties in Nachigawa River Basin, Japan

Emilia Tanaami[1] (1. Graduate School of Science and Technology, University of Tsukuba)

[PT2-14] Study of Impact on Damage of Flood Caused by Sediment Estimates Taking into Account Increased Rainfall in Mountainous Areas due to Climate Change - Case study in the Kii Mountains -

Yuki Kishimoto[1] (1. Sabo Risk Management Laboratory, National Institute for Land and Infrastructure Management)

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Poster Room 2. (2F, Meeting Room 207)

[PT2-15] History of Countermeasures Following Deep-Seated Landslides in Kii Mountain District - The Case of Akadani District -

Takuya Yamada[1] (1. Kii Mountain District Sabo Office, Kinki Regional Bureau)

[PT2-16] Future Hazard Risk Assessment and Delineation of a Special Soil and Water Conservation Area for a Recurrent Debris-Flow Watershed under Extreme Rainfall: A Case Study of the DF206 Watershed, Taiwan

Pei-Ru Wang[1] (1. Department of Civil Engineering, Chienkuo Technology University)

[PT2-17] Mechanical behavior of volcanic soil (Ta-d) triggering landslides in the 2018 Hokkaido Eastern Iburi earthquake

Kimika Kawamura[1] (1. Kiso-Jiban Consultants Co.,Ltd.)

[PT2-18] Analysis of particle mixture layer in immature debris flow moving over fixed bed using image analysis

Kohei Sato[1] (1. National Institute for Land and Infrastructure Management)

[PT6] Topic 6

[PT6-01] Sabo works in Wakayama Prefecture - Necessity of Collaboration with Diverse Sectors

Satoru Morikawa[1] (1. Wakayama Prefectural Government)

[PT6-02] Impacts of Typhoon and Heavy Rainfall Events on Soil Carbon Stocks in the Chenyulan River Watershed

Yung-Chieh Wang[1] (1. Department of Soil and Water Conservation, National Chung Hsing University)

[PT6-03] Nationwide Multi-Temporal InSAR Monitoring of Permanent Mass Movements in Switzerland using the GIN Natural Hazard Platform

Markus Aeschlimann[1] (1. GIN Secretariat, c/o Federal Office for the Environment)

[PT6-04] Probabilistic modelling of debris-flow hazard with a focus on event probabilities

Feiko Van Zadelhoff[1] (1. Research Group Risk & Resilience, WSL Institute for Snow- and Avalanche Research SLF)

[PT6-05] User-informed development of impact-based early warning systems and their integration into governance structures – Insights from two regions in Norway

Graham Gilbert[1] (1. Natural Hazards Division – Norwegian Geotechnical Institute (NGI))

[PT6-06] The Efforts of Toyama Prefecture to Register the Tateyama Sabo Project as a World Cultural Heritage Site

Kazuhisa Iwata[1] (1. SABO-Sediment Control Division Public Works Department TOYAMA Prefectural Government)

[PT6-07] A GLOF-like Debris Flow without a Glacial Lake in the Upper Indus Basin, Pakistan

Hiroshi Ogawa[1] (1. Integrated Disaster Prevention, Nippon Koei Co., Ltd.)

[PT6-08] Towards Flood Resilience in Slovenia after major August 2023 Floods

Mikos Matjaz[1] (1. UNESCO Chair on Water-Related Disaster Risk Reduction, University of Ljubljana, c/o ULFGG)

[PT6-09] Closing the Adaptation Finance Gap – Strategies for Flood and Landslide Risk Reduction in Norway

Heidi Hefre[1] (1. Norwegian Geotechnical Institute (NGI))

[PT6-10] A new multi-hierarchical methodology for the hydromorphological assessment of large rivers

Michael Scheiber[1] (1. Institute of Hydraulic Engineering and River Research, BOKU University)

[PT6-11] Preliminary Effects of Applying Ecosystem-based Disaster Risk Reduction on Hillside Tea Plantation Management: A case study in Central Taiwan

An-Tzu Cheng[1] (1. Department of Soil and Water Conservation, National Chung Hsing University)

[PT6-12] Evolving Flood Resilience Policy in Japan: Factors behind Institutional Transformation

Mikio Ishiwatari[1] (1. School of Business Administration, Meiji University)

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Wed. Oct 21, 2026

Oral Session | Topic 1 | Monitoring for Sediment Movement, Modeling and Simulation

8:30 AM - 9:40 AM JST | 11:30 PM - 12:40 AM UTC | Room 1 (1F, Mid-sized Hall)

[OT1] Topic 1

Chair: Hitoshi Saito

8:30 AM - 8:45 AM JST | 11:30 PM - 11:45 PM UTC

[OT1-01] [Keynote Speech] A Fully Probabilistic Approach to Rockfall Hazard Mapping Using Power-Law Release Frequencies and 3D Trajectory Modelling

Luuk Dorren[1] (1. Bern University of Applied Sciences)

8:45 AM - 9:00 AM JST | 11:45 PM - 12:00 AM UTC

[OT1-02] Impact response analysis on dynamic behavior of flexible protection fence with ring nets

Masato Komuro[1] (1. Civil Engineering Research Unit, College of Design and Manufacturing Technology, Muroran Institute of Technology)

9:00 AM - 9:15 AM JST | 12:00 AM - 12:15 AM UTC

[OT1-03] Improving Shallow Landslide Simulation in Switzerland through applied Geospatial Modelling and Machine Learning

Christoph Schaller[1] (1. Berner Fachhochschule, Hochschule für Agrar-, Forst-, und Lebensmittelwissenschaften)

9:15 AM - 9:30 AM JST | 12:15 AM - 12:30 AM UTC

[OT1-04] Spatiotemporal Landslide Susceptibility Assessment using Graph Neural Networks and Random Forest: A Case Study of the Wushe Reservoir Catchment, Taiwan

Yi-Min Huang[1] (1. Department of Civil Engineering, National Kaohsiung University of Science and Technology)

Oral Session | Topic 1 | Monitoring for Sediment Movement, Modeling and Simulation

10:00 AM - 11:10 AM JST | 1:00 AM - 2:10 AM UTC | Room 1 (1F, Mid-sized Hall)

[OT1] Topic 1

Chair: Fumitoshi Imaizumi

10:00 AM - 10:15 AM JST | 1:00 AM - 1:15 AM UTC

[OT1-05] Statistical methods for comparing observed pressure head in the upstream Aduma River basin

Yoshiki Sando[1] (1. Water and Disaster Management Bureau, Ministry of Land, Infrastructure, Transport and Tourism)

10:15 AM - 10:30 AM JST | 1:15 AM - 1:30 AM UTC

[OT1-06] Simulating Seepage Flow Based on Observed Volumetric Water Content

Koichi Tsubogo[1] (1. National Institute of Technology, Tokuyama College, Japan)

10:30 AM - 10:45 AM JST | 1:30 AM - 1:45 AM UTC

[OT1-07] Winter Rainfall on Frozen Alpine Slopes: Hydrological Controls and Thresholds with Implications for Debris-Flow Initiation

Julian Bauer[1] (1. Mountain River Research Group, Institute for Hydroscience, Universität der Bundeswehr München)

10:45 AM - 11:00 AM JST | 1:45 AM - 2:00 AM UTC

[OT1-08] Long-term Intermittent Rainfall Triggers a Debris Flow and Blocks Roadways in Kaohsiung, Taiwan

Chun-En Lin[1] (1. Agency of Rural Development and Soil and Water Conservation, MOA)

Oral Session

11:10 AM - 11:30 AM JST | 2:10 AM - 2:30 AM UTC | Room 1 (1F, Mid-sized Hall)

[SPP] Student Awards Poster One-Minute Short Presentation

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Oral Session | Topic 1 | Monitoring for Sediment Movement, Modeling and Simulation

1:30 PM - 3:30 PM JST | 4:30 AM - 6:30 AM UTC | Room 1 (1F, Mid-sized Hall)

[OT1] Topic 1

Chair: Daizo Tsutsumi

1:30 PM - 1:45 PM JST | 4:30 AM - 4:45 AM UTC

[OT1-09] Sediment Runout Process of Debris Flows that Occurred on Mount Ibuki, Shiga Prefecture, Japan, in 2024

Kano Kashima[1] (1. Graduate School of Engineering, Kyoto University)

1:45 PM - 2:00 PM JST | 4:45 AM - 5:00 AM UTC

[OT1-10] Influence of Channel Slope, Water Discharge, and Particle Size on Debris Flows over Erodible Beds

Jingyu Jeong[1] (1. Dept. of Agriculture, Forestry and Bioresources, Seoul National University)

2:00 PM - 2:15 PM JST | 5:00 AM - 5:15 AM UTC

[OT1-11] Effects of Sediment Replenishment on Grain Size Distribution and Shear Stress Controls on Selective Sediment Transport in the Naka River, Japan

Cheng Wei[1] (1. Water Resource Center, Disaster Prevention Research Institute (DPRI), Kyoto University)

2:15 PM - 2:30 PM JST | 5:15 AM - 5:30 AM UTC

[OT1-12] Field Experiment on Propagation of Turbidity by Sediment Flushing from a Check Dam

Hiroshi Kisa[1] (1. Nippon Koei Co., Ltd., Japan)

2:30 PM - 2:45 PM JST | 5:30 AM - 5:45 AM UTC

[OT1-13] Effects of Ordinary and Extreme Conditions on Sediment Runoff Using a Unit-Channel Model with Sabo Dams -Case study in the Joganji River Basin-

Yusuke Yamazaki[1] (1. Nippon Koei Co., Ltd., Osaka Branch)

2:45 PM - 3:00 PM JST | 5:45 AM - 6:00 AM UTC

[OT1-14] Sediment Control with a Shutter at Myoju Sabo Dam in the Joganji River

Takahiro Itoh[1] (1. Nippon Koei Co., Ltd.)

3:00 PM - 3:15 PM JST | 6:00 AM - 6:15 AM UTC

[OT1-15] Sediment balance in a catchment based on measurements and calculations

Josef Schneider[1] (1. Institute of Hydraulic Engineering and Water Resources Management, Graz University of Technology)

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Oral Session | Topic 1 | Monitoring for Sediment Movement, Modeling and Simulation

4:00 PM - 6:00 PM JST | 7:00 AM - 9:00 AM UTC | Room 1 (1F, Mid-sized Hall)

[OT1] Topic 1

Chair: Takahiro Ito

4:00 PM - 4:15 PM JST | 7:00 AM - 7:15 AM UTC

[OT1-16] Long-Term Deformation Analysis of Alpine Slopes Using Geodetic Fixed Points: Insights from Austria

Tobias Schöffl[1] (1. Monitorius FlexCo)

4:15 PM - 4:30 PM JST | 7:15 AM - 7:30 AM UTC

[OT1-17] Sediment Remobilization Post- Hidaka-Horonai Landslide - SLAM-PPK Point-Cloud Analysis of Aprons and Debris-flow Tracks

Christopher Gomez[1] (1. Faculty of Ocean Science and Technology, Kobe University)

4:30 PM - 4:45 PM JST | 7:30 AM - 7:45 AM UTC

[OT1-18] Sediment Monitoring and Related-Issues in Hokuriku-area, Japan

Takahiko Nagayama[1] (1. Osaka Branch Office, Nippon Koei Co., Ltd.)

4:45 PM - 5:00 PM JST | 7:45 AM - 8:00 AM UTC

[OT1-19] Development of Sediment Movement Detection Technology Based on Quantitative Analysis of Pixel Changes in Fixed-Point Camera Images: A Case Study at Kanayamasawa stream

Takumi Sato[1] (1. Kokusai Kogyo Co., Ltd.)

5:00 PM - 5:15 PM JST | 8:00 AM - 8:15 AM UTC

[OT1-20] Automatic Debris Flow Monitoring Warning System

Ko-Fei Liu[1] (1. Dept. of Civil Engineering, National Taiwan University)

5:15 PM - 5:30 PM JST | 8:15 AM - 8:30 AM UTC

[OT1-21] More than a Decade of Integrated Bedload Monitoring in Austria: The Urslau Case Study

Andrea Lammer[1] (1. Institute of Hydraulic Engineering and River Research, BOKU University)

5:30 PM - 5:45 PM JST | 8:30 AM - 8:45 AM UTC

[OT1-22] FEMMOS: An Integrative Path from Sediment Monitoring to Sediment Management

Rolf Rindler[1] (1. Institute of Hydraulic Engineering and River Research, BOKU University)

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Wed. Oct 21, 2026

Oral Session | Topic 6 | National Land Resilience: Policy and Strategy of the Risk Management for Multi Natural Hazards

8:30 AM - 9:40 AM JST | 11:30 PM - 12:40 AM UTC | Room 2 (2F, Small Hall)

[OT6] Topic 6

Chair: Andrea Taurisano

8:30 AM - 8:45 AM JST | 11:30 PM - 11:45 PM UTC

[OT6-01] [Keynote Speech] Preparing for Multiple Natural Disasters During the Tourist Peak Season

Yutaka Kikuchi[1] (1. Vice Branch Director, Shizuoka Branch Japan Sabo Association)

8:45 AM - 9:00 AM JST | 11:45 PM - 12:00 AM UTC

[OT6-02] Between Tradition and Transformation: Structural and Fiscal Challenges in Austria's Disaster Risk Reduction System

Valentin Stilc[1] (1. Federal Ministry for Agriculture and Forestry, Climate and Environmental Protection, Regions and Water Management - Republic of Austria. Directorate III/4 – Torrent and Avalanche Control, Protective Forest Policy and Forest Fire Prevention)

9:00 AM - 9:15 AM JST | 12:00 AM - 12:15 AM UTC

[OT6-03] Quantitative Analysis of Rainfall Characteristics and Sediment Disaster Occurrence Frequency in the Eastern Foothills of the Hida Mountains Using Climate Change Projection Data

Shin-ichiro Hayashi[1] (1. Matsumoto Sabo Office, Hokuriku Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism)

9:15 AM - 9:30 AM JST | 12:15 AM - 12:30 AM UTC

[OT6-04] Coexistence of sediment disaster prevention/mitigation, nature conservation, and utilization in Kamikochi

Shin-ichiro Hayashi[1] (1. Matsumoto Sabo Office, Hokuriku Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism)

Oral Session | Topic 6 | National Land Resilience: Policy and Strategy of the Risk Management for Multi Natural Hazards

10:00 AM - 11:10 AM JST | 1:00 AM - 2:10 AM UTC | Room 2 (2F, Small Hall)

[OT6] Topic 6

Chair: Shinichiro Hayashi

10:00 AM - 10:15 AM JST | 1:00 AM - 1:15 AM UTC

[OT6-05] Norwegian Building Regulations: Proposing intensity criteria for landslide, avalanche and rockfall hazard zoning

Andrea Taurisano[1] (1. The Norwegian Water Resources and Energy Directorate, NVE)

10:15 AM - 10:30 AM JST | 1:15 AM - 1:30 AM UTC

[OT6-06] A Method for Extracting and Visualizing Discontinuous Singular Planes on Rock Cut Slopes Using 3D Point Clouds Independent of Measurement-Point Density

Tomohito Suzuki[1] (1. Nippon Koei Co., Ltd.)

10:30 AM - 10:45 AM JST | 1:30 AM - 1:45 AM UTC

[OT6-07] Evaluation and Spatial Analysis of Age-Friendly Resilient City: A Case Study of Taichung City

Chih-Hsuan Hung[1] (1. Postdoctoral Researcher, Real Estate & Built Environment, National Taipei University)

10:45 AM - 11:00 AM JST | 1:45 AM - 2:00 AM UTC

[OT6-08] Further Progress of Indonesia's Sabo Technology - Considerations Based on Comparison with Japan-

Hiroyuki Yamamoto[1] (1. JICA Expert on Integrated Water Resource Management in Indonesia)

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Oral Session | Topic 4 | Non-structural Measures: Warning and Evacuation, Hazard Maps, Land Use Plans and Public Awareness

1:30 PM - 3:30 PM JST | 4:30 AM - 6:30 AM UTC | Room 2 (2F, Small Hall)

[OT4] Topic 4

Chair: Paola Salvati (CNR IRPI)

1:30 PM - 1:45 PM JST | 4:30 AM - 4:45 AM UTC

[OT4-01] [Keynote Speech] Enhancing Evacuation Effectiveness through Early Sediment-Related Disaster Warning - An ensemble rainfall forecast and Critical Line approach -

Shusuke Miyata[1] (1. Graduate School of Agriculture, Kyoto University)

1:45 PM - 2:00 PM JST | 4:45 AM - 5:00 AM UTC

[OT4-02] Rainfall Thresholds for Deep-Seated Landslides Based on the Return Period of Rainfall

Kohei Goji[1] (1. Slope Stability and Landslide Mitigation Field, Eight-Japan Engineering Consultants Inc.)

2:00 PM - 2:15 PM JST | 5:00 AM - 5:15 AM UTC

[OT4-03] Estimation of future landslide risks based on multiple rainfall time series under different climate change scenarios

Motoki Fukuda[1] (1. Dept. of Agriculture, Kyoto University)

2:15 PM - 2:30 PM JST | 5:15 AM - 5:30 AM UTC

[OT4-04] Camera-Based Flow Monitoring of Alpine Torrents using OpenRiverCam on Raspberry Pi

Felix Mariacher[1] (1. Institute of Hydraulic Engineering and River Research, BOKU University)

2:30 PM - 2:45 PM JST | 5:30 AM - 5:45 AM UTC

[OT4-05] Methods for Monitoring Landslide Hazards Caused by Rainfall Following a Major Earthquake

Ken'ichirou Kosugi[1] (1. Graduate School of Agriculture, Kyoto Univ.)

2:45 PM - 3:00 PM JST | 5:45 AM - 6:00 AM UTC

[OT4-06] IoT-based landslide monitoring and early warning systems: current applications and future directions

Vittoria Capobianco[1] (1. Division of Natural Hazards, The Norwegian Geotechnical Institute)

3:00 PM - 3:15 PM JST | 6:00 AM - 6:15 AM UTC

[OT4-07] Applicability of Japanese disaster-prevention training methods to other countries: A case study in Mongolia National Emergency Management Agency

Miki Chiba[1] (1. Department of Research Dept.1., Sabo Frontier Foundation (SFF))

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Oral Session | Topic 4 | Non-structural Measures: Warning and Evacuation, Hazard Maps, Land Use Plans and Public Awareness

4:00 PM - 5:45 PM JST | 7:00 AM - 8:45 AM UTC | Room 2 (2F, Small Hall)

[OT4] Topic 4

Chair: Ken'ichirou Kosugi (University of Kyoto)

4:00 PM - 4:15 PM JST | 7:00 AM - 7:15 AM UTC

[OT4-08] Assessing Landcreep Susceptibility of Mountainous Forest Landscape Using the Weight of Evidence and Random Forest Model in the Republic of Korea

Chulwon Lee[1] (1. Department of Agriculture, Forestry and Bioresources, Seoul National University)

4:15 PM - 4:30 PM JST | 7:15 AM - 7:30 AM UTC

[OT4-09] A Hazard Assessment Method for Sediment-Related Disasters Based on Geomorphological and Geological Classification

Yuki Ushirone[1] (1. Slope Stability and Landslide Mitigation Field, Eight-Japan Engineering Consultants Inc.)

4:30 PM - 4:45 PM JST | 7:30 AM - 7:45 AM UTC

[OT4-10] Development and Evaluation of an AR-based Tool for Rapid Damage Assessment and Information Sharing Using 3D Urban Models in Disaster Sites

Kazuo Tsutsui[1] (1. Collaborative Research Center for Advanced Resilience Technology, National Research Institute for Earth Science and Disaster Resilience (NIED))

4:45 PM - 5:00 PM JST | 7:45 AM - 8:00 AM UTC

[OT4-11] Reflections on a risk-adjusted approach in spatial planning in Austria and Italy

Barbara Steinbrunner[1] (1. Research Unit of Land Policy and Land Management, Institute for Spatial Planning, TU Wien)

5:00 PM - 5:15 PM JST | 8:00 AM - 8:15 AM UTC

[OT4-12] Large-scale hazard indication modelling of debris flows under current and future climate for Swiss federal railway infrastructure

Feiko Van Zadelhoff[1] (1. WSL-Institute for Snow- and Avalanche Research SLF)

5:15 PM - 5:30 PM JST | 8:15 AM - 8:30 AM UTC

[OT4-13] Compensation schemes for natural damage in Norway

Hallvard Berg[1] (1. Department for Avalanche, Landslide and Flood Mitigation, The Norwegian Water Resources and Energy Directorate)

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Oral Session | Topic 5 | Emergency Response and Recovery

8:30 AM - 10:15 AM JST | 11:30 PM - 1:15 AM UTC | Room 3 (1F, Meeting Rooms 104+105)

[OT5] Topic 5

Chair: Shin-Ping Lee (National Cheng Kung University)

8:30 AM - 8:45 AM JST | 11:30 PM - 11:45 PM UTC

[OT5-01] [Keynote Speech] The August 2023 Catastrophic Floods in Slovenia - Insights from Emergency Response and Two-Year Implementation of River Rehabilitation and Risk-Reduction Measures

Jože Papež[1] (1. HIDROTEHNIK d.o.o., R&D Department)

8:45 AM - 9:00 AM JST | 11:45 PM - 12:00 AM UTC

[OT5-02] Quick Detection Method for Landslide Dams Using Digital Elevation Model and Sediment Movement Extent

Daisuke Kageyama[1] (1. River Planning Division, Construction Department, Hokkaido Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism)

9:00 AM - 9:15 AM JST | 12:00 AM - 12:15 AM UTC

[OT5-03] Rapid Landslide Detection Using SAR, Terrain Indices, and Rainfall Indicators: Site-Dependent Analysis of Two Japanese Case Studies

Jeewantinie Kapilaratne[1] (1. Advanced Research Centre, Asia Air Survey Co. Ltd.)

9:15 AM - 9:30 AM JST | 12:15 AM - 12:30 AM UTC

[OT5-04] Points to Note on Urgent Countermeasure for Landslide Dam

Soichi Kaihara[1] (1. Slope Stability and Landslide Mitigation Field, Eight-Japan Engineering Consultants Inc.)

9:30 AM - 9:45 AM JST | 12:30 AM - 12:45 AM UTC

[OT5-05] Anomalous Water Level Hydrograph Analysis for Rapid Detection and Volumetric Estimation of Landslide Dam

Shang-Ming Wang[1] (1. National Cheng Kung University, Disaster Prevention Research Center)

9:45 AM - 10:00 AM JST | 12:45 AM - 1:00 AM UTC

[OT5-06] Automatic Damage Detection of Erosion Control Facilities from Bi-Temporal Imagery and Threshold Sensitivity Analysis

Shota Yagi[1] (1. Slope Stability and Landslide Mitigation Field, Eight-Japan Engineering Consultants Inc.)

Oral Session | Topic 2 | Catastrophic Disaster: Phenomena and Countermeasures

1:30 PM - 2:25 PM JST | 4:30 AM - 5:25 AM UTC | Room 3 (1F, Meeting Rooms 104+105)

[OT2] Topic 2

Chair: Hiroyuki Sugimoto

1:30 PM - 1:45 PM JST | 4:30 AM - 4:45 AM UTC

[OT2-01] [Keynote Speech] Geomorphological and geological features of 2019 rain-induced collapsing landslides on a gentle slope in Tomioka City, Gunma Prefecture, Japan

Joko Kamiyama[1] (1. Public Works Research Institute)

1:45 PM - 2:00 PM JST | 4:45 AM - 5:00 AM UTC

[OT2-02] Snowmelt-Induced Landslides on an Engineered Terraced Slope: Insights from the 2025 Akudo Landslide, Northern Japan

Chinh-Ying Tsou[1] (1. Dept. of Agricultural and Environmental Engineering, Hirosaki University)

2:00 PM - 2:15 PM JST | 5:00 AM - 5:15 AM UTC

[OT2-03] Key Parameters Affecting Landslide Movements Extracted from Realtime Onsite Monitoring Data

Pei-Hsi Wang[1] (1. Hualien Branch, Agency of Rural Development and Soil and Water Conservation, MOA)

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Oral Session

2:25 PM - 2:45 PM JST | 5:25 AM - 5:45 AM UTC | Room 3 (1F, Meeting Rooms 104+105)

[SP] Recent Event / Special Presentation

2:25 PM - 2:45 PM JST | 5:25 AM - 5:45 AM UTC

[SP-01] The 2026 Nepal Rock–Ice Avalanche and Downstream Cascading Hazards: Preliminary Observations

Daisuke Higaki[1] (1. Okuyama Boring Co. Ltd.)

Thu. Oct 22, 2026

Oral Session | Topic 1 | Monitoring for Sediment Movement, Modeling and Simulation

8:30 AM - 10:00 AM JST | 11:30 PM - 1:00 AM UTC | Room 1 (1F, Mid-sized Hall)

[OT1] Topic 1

Chair: Shoki Takayama

8:30 AM - 8:45 AM JST | 11:30 PM - 11:45 PM UTC

[OT1-23] SPH-based Dynamic Simulation for Coseismic landslide Dynamic Evolution

Lorenzo Brezzi[1] (1. Department of Civil, Environmental and Architectural Engineering (ICEA), University of Padova)

8:45 AM - 9:00 AM JST | 11:45 PM - 12:00 AM UTC

[OT1-24] Influence of Simulation Conditions on Debris Flow Simulation Results Using Hyper KANAKO

Fumiaki Akazawa[1] (1. National Institute for Land and Infrastructure Management)

9:00 AM - 9:15 AM JST | 12:00 AM - 12:15 AM UTC

[OT1-25] Numerical Simulation of Debris Flow Trapping by Open-Type Sabo Dams with Different Slit Positions Using a Riverbed Deformation Model

Yuki Kajikawa[1] (1. Department of Social Systems and Civil Engineering, Faculty of Engineering, Tottori University)

9:15 AM - 9:30 AM JST | 12:15 AM - 12:30 AM UTC

[OT1-26] Large-scale 3D Numerical Simulations of Debris Flows Containing Large Rocks and Driftwood

Takayuki Aoki[1] (1. Sabo & Landslide Technical Center)

9:30 AM - 9:45 AM JST | 12:30 AM - 12:45 AM UTC

[OT1-27] Evaluating the HEC-RAS Mud and Debris Flow Module Through the 2023 Bagn, Norway Event

Christy Navaratnam[1] (1. Dept. of Avalanche, Landslide and Flood Mitigation, The Norwegian Water Resources and Energy Directorate (NVE))

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Oral Session | Topic 3 | Structural Measures: Planning, Designs, Construction and Maintenance including Community Revitalization and Ecosystem-based Disaster Risk Reduction(Eco-DRR)

8:30 AM - 10:00 AM JST | 11:30 PM - 1:00 AM UTC | Room 2 (2F, Small Hall)

[OT3] Topic 3

Chair: Toshiyuki Horiguchi

8:30 AM - 8:45 AM JST | 11:30 PM - 11:45 PM UTC

[OT3-01] [Keynote Speech] Long-Term monitoring and mitigation of the Ganderberg DSGSD, South Tyrol: linking slope stability with sustainable energy production

Luca Marcato[1] (1. CNR-IRPI – National Research Council of Italy, Research Institute for Geo-Hydrological Protection)

8:45 AM - 9:00 AM JST | 11:45 PM - 12:00 AM UTC

[OT3-02] Environmentally adapted erosion protection to prevent quick clay landslides and its ecological effects on juvenile salmonid density

Arne Jørgen Kjøsnes[1] (1. Department for Avalanches, Landslide and Flood Mitigation, NVE)

9:00 AM - 9:15 AM JST | 12:00 AM - 12:15 AM UTC

[OT3-03] Exploring the potential of protection forests to prevent shallow landslides in the hillslopes of the Flåm Valley

Kjersti Gisnås[1] (1. Division of Natural Hazards, The Norwegian Geotechnical Institute)

9:15 AM - 9:30 AM JST | 12:15 AM - 12:30 AM UTC

[OT3-04] Development of Reconstruction Strategy After Typhoon Krathon Debris Hazard at the Shalun Creek, Taitung, Taiwan

Chia-Chun Wu[1] (1. Lipang Engineering Consultant Co. Ltd., Kaohsiung)

9:30 AM - 9:45 AM JST | 12:30 AM - 12:45 AM UTC

[OT3-05] Architectural Documentation of Resident-led Flood Adaptation Measures in Santo Amaro do Maranhão, Brazil

Santos Brito[1] (1. Graduate School of Global Environmental Studies, Kyoto University)

Oral Session | Topic 3 | Structural Measures: Planning, Designs, Construction and Maintenance including Community Revitalization and Ecosystem-based Disaster Risk Reduction(Eco-DRR)

10:20 AM - 11:30 AM JST | 1:20 AM - 2:30 AM UTC | Room 2 (2F, Small Hall)

[OT3] Topic 3

Chair: Takeshi Shimizu

10:20 AM - 10:35 AM JST | 1:20 AM - 1:35 AM UTC

[OT3-06] Toward rational design load evaluation for woody debris accumulations: a fluid-force-based approach

Toshiyuki Horiguchi[1] (1. Dept. of Civil Engineering, National Defense Academy)

10:35 AM - 10:50 AM JST | 1:35 AM - 1:50 AM UTC

[OT3-07] Pile-type debris-flow and driftwood protection facilities using special structural steel tube posts

Rinka Harikae[1] (1. PROTEC engineering Co., Ltd.)

10:50 AM - 11:05 AM JST | 1:50 AM - 2:05 AM UTC

[OT3-08] Numerical study on the absorption performance of various rockfall protection structures under rock impact

Norimitsu Kishi[1] (1. Civil Engineering Research Unit, College of Design and Manufacturing Technology, Muroran Institute of Technology)

11:05 AM - 11:20 AM JST | 2:05 AM - 2:20 AM UTC

[OT3-09] Effect of Element Shape on DEM-Based Evaluation of Debris Flow Impact Loads

Kazuki Saito[1] (1. Dept. of Equipment and Structure Eng., National Defense Academy)

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Student Oral Session

Thu. Oct 22, 2026 8:30 AM - 10:00 AM JST | Wed. Oct 21, 2026 11:30 PM - 1:00 AM UTC | Room 3 (1F, Meeting Rooms 104+105)

[OSF] Student session

Thu. Oct 22, 2026 8:30 AM - 10:00 AM JST

Chair: Christopher Gomez

8:30 AM - 8:45 AM JST | 11:30 PM - 11:45 PM UTC

[OSF-01] Automated YOLOv8-based grain size analysis of debris-flow channel sediments from UAV images

Samikshya Dahal[1] (1. The United Graduate School of Agricultural Science, Gifu University)

8:45 AM - 9:00 AM JST | 11:45 PM - 12:00 AM UTC

[OSF-02] Impact load characteristics of large wood accumulation with roots on open Sabo dams

Taishi Tatsukawa[1] (1. Earth Science and Civil Engineering, National Defense Academy)

9:00 AM - 9:15 AM JST | 12:00 AM - 12:15 AM UTC

[OSF-03] The Influence of Snow Avalanche Density Change due to Tree Entrainment on Forest Destruction

Shun Komatsuzaki[1] (1. Graduate school of science and technology, Shinshu University)

9:15 AM - 9:30 AM JST | 12:15 AM - 12:30 AM UTC

[OSF-04] Ongoing Post-Eruptive Surface Reorganization of the Heisei-Shinzan Lava Dome Revealed by Point-Cloud Comparison and Geodetic Monitoring

Rikuto Daikai[1] (1. Graduate School of Maritime science, Kobe University)

9:30 AM - 9:45 AM JST | 12:30 AM - 12:45 AM UTC

[OSF-05] Experimental Study on the Influence of Bed Surface Irregularities on Dynamic Behavior of Particles in Debris Flow

Kanta Kotsugi[1] (1. Graduate School of Engineering, Kyoto University)

9:45 AM - 10:00 AM JST | 12:45 AM - 1:00 AM UTC

Q&A

Thu. Oct 22, 2026 10:20 AM - 11:30 AM JST | Room 3 (1F, Meeting Rooms 104+105)

[OSF] Student session

Chair: Yohei Arata

10:20 AM - 10:35 AM JST | 1:20 AM - 1:35 AM UTC

[OSF-06] Assessment of Spatial Soil Thickness Distribution in Topographic Slope Units Using Soil Strength Probe

Takumi Taketa[1] (1. Graduate School of Science and Technology for Innovation, Yamaguchi University)

10:35 AM - 10:50 AM JST | 1:35 AM - 1:50 AM UTC

[OSF-07] Effect of Rainfall Pattern on Debris Flow Magnitude at Ohya Landslide, Central Japan

Muhammad Shidiq[1] (1. Graduate School of Agriculture, Shizuoka University)

10:50 AM - 11:05 AM JST | 1:50 AM - 2:05 AM UTC

[OSF-08] A Numerical Simulation to Evaluate Temporal Effects of Vetiver Root Reinforcement on Embankment Slope Stability

Annisa Partiadewi[1] (1. Department of Civil and Environmental Engineering, Universitas Gadjah Mada)

11:05 AM - 11:20 AM JST | 2:05 AM - 2:20 AM UTC

[OSF-09] NDVI variability associated with internal deformation in a slow-moving, deep-seated landslide

Taishi Aoki[1] (1. Graduate School of Agriculture, Hokkaido University)

11:20 AM - 11:30 AM JST | 2:20 AM - 2:30 AM UTC

Q&A

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Student Oral Session

Thu. Oct 22, 2026 1:30 PM - 2:40 PM JST | Thu. Oct 22, 2026 4:30 AM - 5:40 AM UTC | Room 1 (1F, Mid-sized Hall)

[OSS] Student Award Selection Session

1:30 PM - 1:38 PM JST | 4:30 AM - 4:38 AM UTC

[OSS-01] Effect of Debris Flow Velocity on the Dynamic Behavior in Flexible Barriers

Yuta Miyahara[1] (1. Graduate School of Science and Engineering, National Defense Academy)

1:38 PM - 1:46 PM JST | 4:38 AM - 4:46 AM UTC

[OSS-02] Elucidating Sediment Deposition Process of a Debris Flow Using 4D-LiDAR Observations

Tatsuki Kaneko[1] (1. The United Graduate School of Agricultural Science, Gifu University)

1:46 PM - 1:54 PM JST | 4:46 AM - 4:54 AM UTC

[OSS-03] Verification of Landslide Type Represented by Parameters in Area-Volume Scaling Equations Using Differential Analysis of Airborne Laser Survey Data

Yuki Kudo[1] (1. Graduate School of Science and Technology, University of Tsukuba)

1:54 PM - 2:02 PM JST | 4:54 AM - 5:02 AM UTC

[OSS-04] Optimization-Based Estimation of Sediment Supply Conditions in Mountain Rivers Derived from Bedload Observations

Tomoya Iwai[1] (1. Dept. of Civil and Earth Resources Engineering, Graduate School of Engineering, Kyoto University)

2:02 PM - 2:10 PM JST | 5:02 AM - 5:10 AM UTC

[OSS-05] Measurement and Spatial Analysis of Saturated Hydraulic Conductivity at the Soil-Bedrock Interface in a Small Mountainous Watershed

Kenji Iwao[1] (1. Graduate School of Agriculture, Kyoto University)

2:10 PM - 2:18 PM JST | 5:10 AM - 5:18 AM UTC

[OSS-06] Unifying Debris-Flow Discharge: Leveraging High-Resolution Measurements from Six Catchments to Define Dimensionless Hydrographs

Raffaele Spielmann[1] (1. Chair of Engineering Geology, ETH Zürich)

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◆Excursion courses

We are pleased to offer a total of five excursion courses. These include:(1) three separate courses focusing on volcano-related disaster-management measures, respectively visiting Mt.Tokachi, Mt.Tarumae, and Mt.Usu—active volcanoes in Hokkaido;(2) a course presenting pioneering Sabo (erosion control) projects undertaken prior to Sapporo's urban development; and(3) a course exploring the history of Hokkaido within the city of Sapporo.Please note that the number of participants accepted for each course is limited, and we may not be able to accommodate all preferences. *All courses require a minimum of 25 participants. Fees include lunch and admission charges.*

※ The Excursion 1 will not be organized.

○Excursion1) Exploring the History of Hokkaido — "History of Hokkaido Development"



Former Hokkaido government office building
(Red brick office)



Historical village of Hokkaido



Sapporo beer museum



Hokkaido University's Ginkgo Avenues
(Photographed on Oct. 21, 2019)

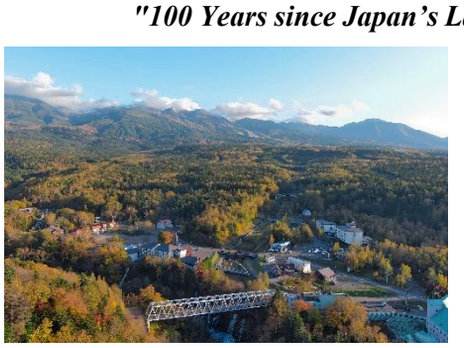


In Historical village of Hokkaido

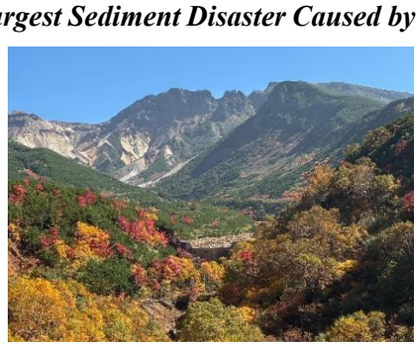
This course offers an opportunity to explore 157 years of Hokkaido's development within the city of Sapporo. Participants will visit the Former Hokkaido government office building (Red brick office), which served as the center of Hokkaido's administration; Hokkaido University, a major center for education and research in Hokkaido, has long served as a foundation for the region's development and pioneering history; the Historical village of Hokkaido, an open-air museum showcasing the pioneering history of the region; and the Sapporo beer museum, where Hokkaido's first beer was brewed.For lunch, you will enjoy "Genghis Khan" grilled mutton.

○Excursion2) Mt. Tokachi – Volcanic Region Sabo Works

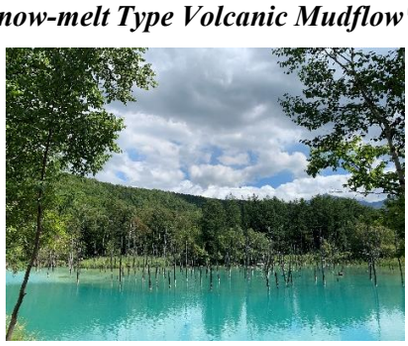
"100 Years since Japan's Largest Sediment Disaster Caused by Snow-melt Type Volcanic Mudflow"



Biei River Stream Sabo works



Nukkakushi Sabo dam at Furano River
(photographed in Late September)



"Bule Pond" on Biei River

Mt. Tokachi, an active volcano, marks 100 years since the snow-melt type volcanic mudflow of 1926 (Taisho 15). This excursion offers visits to well-maintained Sabo facilities and observation decks, as well as notable sites such as the "Blue Pond." Participants will gain insights into volcanic disaster mitigation, the benefits provided by volcanic environments, and strategies for coexisting with active volcanoes.

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Sapporo, Hokkaido, Japan

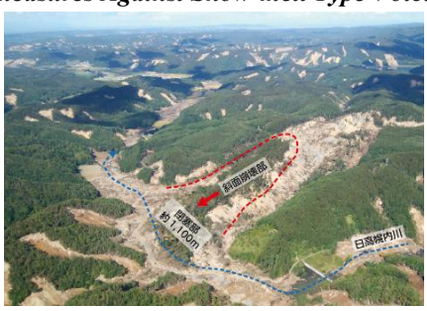
○Excursion3） Mt. Tarumae and 2018 Hokkaido Eastern Iburi Earthquake

"Slope Failures and Landslides of Tephra Layers on Mountainsides Caused by Large Earthquakes

⇒ River Channel Blockage and Countermeasures ~~Against Snow-melt Type Volcanic Mudflows at Volcanoes Near Urban~~ Areas"



Oboppu River Sabo dam at Mt. Tarumae



Slope failures and sediment dam in Hidaka-Horonai River



Upopoy (National Ainu Museum and Park)

At Mt. Tarumae, an active volcano, participants will visit Sabo facilities and observe measures implemented following the 2018 Hokkaido Eastern Iburi Earthquake. The excursion also includes a visit to Upopoy (National Ainu Museum and Park) to learn about the culture of the indigenous Ainu people of Hokkaido.

○Excursion4） Mt. Usu – Volcanic Region Sabo Works

"Sediment Disaster Mitigation in Volcanic Region Where Are in Extremely Close Proximity to Human Production and Living Zones"



Mt. Usu erupted in 2000



Nishiyama River Sabo dam at Mt. Usu



Toyako Onsen district

Mt. Usu, an active volcano, erupted in 1977 and 2000, causing extensive damage. Despite the large-scale impact of the 2000 eruption, timely evacuations prevented loss of life. This excursion includes visits to observation points, Sabo facilities constructed before and after the eruptions, and disaster remnants from the 2000 eruption, providing insights into volcanic mitigation, the benefits of volcanic environments, and strategies for coexisting with active volcanoes.

○Excursion5） Kotoni–Hassamu River – Urban Sabo Works in the Major City of Sapporo

"Sabo Works that Preceded Urbanization and Laid the Foundation for Sapporo's Development"



Kotoni-Hassamu River flowing through urban Sapporo



Kotoni-Hassamu River
(First stream Sabo works in Hokkaido)



Hitsujigaoka Observation Hill



Heiwa Sabo dam in Kotoni-Hassamu



Okurayama Ski Jump Stadiuml

The Kotoni-Hassamu River is the first stream in Hokkaido where Sabo works were carried out in 1958. Participants will visit Sabo facilities that were developed prior to urbanization, as well as popular sightseeing spots such as the Hitsujigaoka Observation Hill and the Okurayama Ski Jump Stadium. The excursion also includes a lunch featuring Hokkaido's famous "Genghis Khan" grilled mutton.


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