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Pitfalls	MONDALO	5151 MA1 2021				
Ceremony Kjetil Lund, Director General NVE	CEST					
Confection Region Region Risk Management for Hydro-Met Hazards: Emerging Challenges, New Paradigms and Pitfalls	06.50-00.00	Opening	Kurt Rohner, Chairman Interpraevent			
Pitfalls	00.30 03.00	ceremony	Kjetil Lund, Director General NVE			
Student Paper Award Chair: Nich Beyer Portner (SWITZERLAND) Chair: Florian Rudolf-Miklau (AUSTRIA) Implementing the Sendai Framework for disaster risk reduction in Germany	09:00-09:30	Keynote	Farrokh Nadim (Norway)			
$ \begin{array}{c} \text{Student Paper Award} & \text{Chair Niki Beyer Portner (SWITZERLAND)} \\ A field study of landslide dam outbursts following progressive failure in the Ashiaraidani Africa Students following progressive failure in the Ashiaraidani Dynamics and geomorphological analysis of the Taan Fiord 2015 tsunamigenic landslide River morphology and sediment transport processes numerical modelling applied to the fluvial environment of the Rhône River in Valais Bernhard Elsner (AUSTRIA) Automated delineation of large-scale landslides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides based on high-resolution digital terrain large scales and sides and scales are scales and scales and scales and scales are scales and scales and scales and scales and scales are scales and scales and scales and scales are scales and scales and scales and scales and scales and scales and scales are scales and scales$	09:30-09:40	Coffee/tea bre	ak			
Students	09:40-10:00	Keynote	Brigt Samdal, NVE	Flood and landslide management in Norway		
10:00-11:00 Students Andrea Franco (AUSTRIA) Francesc Molné (SWITZERLAND) Bernhard Elsner (AUSTRIA) Automated delineation of large-scale landslides based on high-resolution digital terrain Automated delineation of large-scale landslides based on high-resolution digital terrain Chair: Florian Rudolf-Miklau (AUSTRIA) Implementing the Sendai Framework for disaster risk reduction in Germany Knowledge and perception of natural hazards: results from population surveys to innovate risk communication Franz Sinabell (AUSTRIA) Alexandra Kessler (SWITZERLAND) Contingency planning - A national guideline Lunch break with available sponsors Session: Risk Governance & Policies (2/2) Orals Orals Michael Bründl (SWITZERLAND) Corals Michael Bründl (SWITZERLAND) Evaluation of the Extraordinary Avalanche Situation in January 2018 in Switzerland Evaluation to poster session + pos		Student Paper	r Award			
Students Francesc Molné (SWITZERLAND) River morphology and sediment transport processes numerical modelling applied to the fluvial environment of the Rhône River in Valais			Shoki Takayama (JAPAN)	A field study of landslide dam outbursts following progressive failure in the Ashiaraidani		
Francesc Molné (SWITZERLAND) River morphology and sediment transport processes numerical modelling applied to the fluvial environment of the Rhône River in Valais Bernhard Elsner (AUSTRIA) 11:00-11:15 Break with available sponsors Session: Risk Governance & Policies (1/2) Keynote Nina Köksalan, Federal Office of Civil Protection and Disaster Assistance (BBK) (GERMANY) Nina Köksalan, Federal Office of Civil Protection and Disaster Assistance (BBK) (GERMANY) Nina Köksalan, Federal Office of Civil Protection and Disaster Assistance (BBK) (GERMANY) Nina Köksalan, Federal Office of Civil Protection and Disaster Assistance (BBK) (GERMANY) Nina Köksalan, Federal Office of Civil Protection and Disaster Assistance (BBK) (GERMANY) Nina Köksalan, Federal Office of Civil Protection and Disaster Assistance (BBK) (GERMANY) Nina Köksalan, Federal Office of Civil Protection and Disaster Assistance (BBK) (GERMANY) Nina Köksalan, Federal Office of Civil Protection and Disaster Assistance (BBK) (GERMANY) Nina Köksalan, Federal Office of Civil Protection and Disaster Assistance (BBK) (GERMANY) Implementing the Sendai Framework for disaster risk reduction in Germany Annovate risk communication Regional economy effects of disaster risk reduction investments	10:00-11:00		Andrea Franco (AUSTRIA)	Dynamics and geomorphological analysis of the Taan Fiord 2015 tsunamigenic landslide		
Huval environment of the Rhône River in Valais	10.00-11.00	Students	E	River morphology and sediment transport processes numerical modelling applied to the		
Bernhard Elsner (AUSTRIA) Automated delineation of large-scale landslides based on high-resolution digital terrain			Francesc Moine (SWIIZERLAND)	fluvial environment of the Rhône River in Valais		
1:00-11:15 Break with available sponsors			Bernhard Elsner (AUSTRIA)			
Keynote Nina Köksalan, Federal Office of Civil Protection and Disaster Implementing the Sendai Framework for disaster risk reduction in Germany	11:00-11:15	11:00-11:15 Break with available sponsors				
Assistance (BBK) (GERMANY) Implementing the Sendai Framework for disaster risk reduction in Germany Knowledge and perception of natural hazards: results from population surveys to innovate risk communication Franz Sinabell (AUSTRIA) Alexandra Kessler (SWITZERLAND) Regional economy effects of disaster risk reduction investments Contingency planning - A national guideline 12:30-13:30 Lunch break with available sponsors Session: Risk Governance & Policies (2/2) Chair: Florian Rudolf-Miklau (AUSTRIA) 13:30-14:00 Orals Michael Bründl (SWITZERLAND) Gian Reto Bezzola (SWITZERLAND) Local natural hazard advisors – a concept and its implementation Local natural hazard advisors – a concept and its implementation	11:15-12:30	Session: Risk	Governance & Policies (1/2)	Chair: Florian Rudolf-Miklau (AUSTRIA)		
Orals Orals Franz Sinabell (AUSTRIA) Regional economy effects of disaster risk reduction investments Contingency planning - A national guideline 12:30-13:30 Lunch break with available sponsors Session: Risk Governance & Policies (2/2) Orals Orals Michael Bründl (SWITZERLAND) Chair: Florian Rudolf-Miklau (AUSTRIA) Evaluation of the Extraordinary Avalanche Situation in January 2018 in Switzerland Gian Reto Bezzola (SWITZERLAND) Local natural hazard advisors – a concept and its implementation 14:00-15:00 Introduction to poster session + poster session		Keynote		Implementing the Sendai Framework for disaster risk reduction in Germany		
Orals Orals Orals Franz Sinabell (AUSTRIA) Alexandra Kessler (SWITZERLAND) 12:30-13:30 Lunch break with available sponsors Session: Risk Governance & Policies (2/2) Orals Orals Michael Bründl (SWITZERLAND) Orals Michael Bründl (SWITZERLAND) Local natural hazard advisors – a concept and its implementation Local natural hazard advisors – a concept and its implementation				Knowledge and perception of natural hazards: results from population surveys to innovate		
Franz Sinabell (AUSTRIA) Regional economy effects of disaster risk reduction investments				risk communication		
12:30-13:30 Lunch break with available sponsors Session: Risk Governance & Policies (2/2) Orals Michael Bründl (SWITZERLAND) Gian Reto Bezzola (SWITZERLAND) Local natural hazard advisors – a concept and its implementation 14:00-15:00 Introduction to poster session + poster session		Orais	Franz Sinabell (AUSTRIA)	Regional economy effects of disaster risk reduction investments		
Session: Risk Governance & Policies (2/2) 13:30-14:00 Orals Michael Bründl (SWITZERLAND) Evaluation of the Extraordinary Avalanche Situation in January 2018 in Switzerland			Alexandra Kessler (SWITZERLAND)	Contingency planning - A national guideline		
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Gian Reto Bezzola (SWITZERLAND) Local natural hazard advisors – a concept and its implementation 14:00-15:00 Introduction to poster session + poster session				Chair: Florian Rudolf-Miklau (AUSTRIA)		
Gian Reto Bezzola (SWITZERLAND) Local natural hazard advisors – a concept and its implementation 14:00-15:00 Introduction to poster session + poster session		l (brale	Michael Bründl (SWITZERLAND)	Evaluation of the Extraordinary Avalanche Situation in January 2018 in Switzerland		
			Gian Reto Bezzola (SWITZERLAND)			
	14:00-15:00					

TUESDAY	m Y~1ST~JUNE~2021				
CEST					
08:30-09:30	Sponsor exhibition				
	Session: Data	Acquisition & Modelling (1/3)	Chair: Hege Hisdal (NORWAY)		
		Hervé Colleuille, NVE (NORWAY)	"Flood and landslide forecasting under climate change in Norway - from large rivers to small, steep brooks."		
09:30-10:30		Lorenzo Brezzi (ITALY)	Image processing techniques for grain size analysis of coarse soils.		
	Orals	Catherine Berger (SWITZERLAND)	Physical modelling of debris flows to analyze the influence of a cascade on the flow behavior and consequences on protection measures.		
		ailable sponsors			
	Session: Data	Acquisition & Modelling (2/3)	Chair: Hege Hisdal (NORWAY)		
		Wolfgang Straka (AUSTRIA)	Large-scale hydro-geological characterization of flow systems in an alpine region (Northern Tyrol, Austria).		
10:45-11:30	Orals	Johannes Kammerlander (AUSTRIA)	Application of new, area-wide hydrologic data in precipitation / runoff modelling of torrent catchments.		
		Bernhard Gems (AUSTRIA)	Interaction of fluviatile hazard processes and buildings at a debris cone – modelling demand, related challenges and consequences for impact assessment.		
11:30-12:30	Lunch break with available sponsors				
	Session: Data	Acquisition & Modelling (3/3)	Chair: Hege Hisdal (NORWAY)		
	Orals	Salvador Peña Haro (SWITZERLAND)	Image-based flow measurements in wide rivers using a multi-view approach.		
12:30-13:15		José Acuna (NORWAY)	Vertical groundwater movement identification through Distributed Heat Tracing Tests. Case of Åknes, Norway.		
		Clara Sena (NORWAY)	Groundwater recharge and discharge in the Åknes rockslide – constraining uncertainties for the development of a numerical groundwater flow model.		
13:15-13:30		ailable sponsors			
	Session: Hazard & Risk Assessment (1/3)		Chair: Stefan Margreth (SWITZERLAND)		
13:30-15:00	Keynote	Gebhard Walter, Wildbach- und Lawinenverbauun (AUSTRIA)	"Extreme events – handling for future risk and hazard assessment"		
		Marie Keiding (DENMARK)	Mapping the risk of large rock avalanches in Greenland.		
		Adrian Ringenbach (SWITZERLAND)	Rockfall Experiments in Forests: Influence of Rock-Shape and Deadwood.		
		Mathilde B. Sørensen (NORWAY)	What is the potential for earthquake-triggered landsides in Norway?		
		Matthias Jakob (CANADA)	Projected Climate Change Effects on Shallow Landslides, North Shore Mountains, Vancouver, Canada.		
15:00-16:00	15:00-16:00 Sponsor exhibition				

CEST	WEDNESDA	WEDNESDAY 2ND JUNE 2021				
Session: Hazard & Kisk Assessment (2/3) Chair: Stefan Margreth (SWITZERLAND)						
Philippe Schoencich (FRANCE) The PermaRisk project - Emerging hazards due to mountain permafrost degradation in the French Alps Thierry Oppikofer (NORWAY) Rock avalanches in Norway - first complete hazard map in the county of Møre & Romsdal Xgeo.no - A decision support tool for assessing geohazards Thierry Oppikofer (NORWAY) Towards an "industry standard" for hazard mapping in Norway: Challenges faced	08:30-09:30		Poster session - all sessions			
Princh Alps		Session: Haza	rd & Risk Assessment (2/3)	Chair: Stefan Margreth (SWITZERLAND)		
Theory Opphotor (NORWAY) Rock avalanches in Norway - first complete hazard map in the county of More & Romsdal Heidi Back Stranden (NORWAY) Xgeo.no - A decision support tool for assessing geophazards Heidi Hefre (NORWAY) Towards an "industry standard" for hazard mapping in Norway: Challenges faced	00.00 10.00		Philippe Schoeneich (FRANCE)			
Heidi Hefre (NORWAY) Towards an "industry standard" for hazard mapping in Norway: Challenges faced	09.90-10.90	Orals	Thierry Oppikofer (NORWAY)	Rock avalanches in Norway - first complete hazard map in the county of Møre & Romsdal		
10:30-10:45 Break with available sponsors			Heidi Bache Stranden (NORWAY)	Xgeo.no – A decision-support tool for assessing geohazards		
Session: Hazard & Risk Assessment (3/3) Chair: Stefan Margreth (SWITZERLAND)				Towards an "industry standard" for hazard mapping in Norway: Challenges faced		
10:45-11:45 Orals Nicolas Steeb (SWITZERLAND) WoodFlow project Gerrot Kobotkschnig (AUSTRIA) Evaluation of river Gail flood retention system after the flood 2018: experiences and limits Rudi Mair (AUSTRIA) Project ALBINA: A consistent and multilingual cross-border avalanche forecasting system Project Rebit (SWITZERLAND) Effects of forest management on avalanche hazard in Jølster/Western Norway	10:30-10:45	Break with av	ailable sponsors			
10:45-11:45 Orals Gernot Koboltschnig (AUSTRIA) Evaluation of river Gail flood retention system after the flood 2018: experiences and limits Project ALBINA: A consistent and multilingual cross-border avalanche forecasting system		Session: Haza	rd & Risk Assessment (3/3)	Chair: Stefan Margreth (SWITZERLAND)		
Rudi Mair (AUSTRIA)			Nicolas Steeb (SWITZERLAND)	WoodFlow project		
Rudi Mair (AUSTRIA)	10:45-11:45	Omala	Gernot Koboltschnig (AUSTRIA)	Evaluation of river Gail flood retention system after the flood 2018: experiences and limits		
11:45-12:45 Lunch break with available sponsors Session: Hazard & Risk Mitigation (1/2) Chair: Didier Richard (FRANCE)		Orais	Rudi Mair (AUSTRIA)			
Session: Hazard & Risk Mitigation (1/2) Chair: Didier Richard (FRANCE)			Peter Bebi (SWITZERLAND)	Effects of forest management on avalanche hazard in Jølster/Western Norway		
Keynote Mark Adamson, OPW Ireland & EU WG Floods (IRELAND) The Floods Directive as a tool for hazard and risk mitigation."	11:45-12:45					
Presenter Presenter Norina Bertsch (SWITZERLAND) Integration of natural hazards in the Swiss Standard "Actions on Structures"		Session: Haza	rd & Risk Mitigation (1/2)	Chair: Didier Richard (FRANCE)		
Presenter Guillaume Piton (FRANCE) Driftwood and Hybrid Debris Barrier Interactions: Process of Trapping and Prevention of Releases during Overtopping Session: Hazard & Risk Mitigation (2/2) Presenter Presenter Presenter Ulrich Pulg (NORWAY) Roberto Loat (SWITZERLAND) 15:00-15:15 Student Paper Award – Presentation of winner – Driftwood and Hybrid Debris Barrier Interactions: Process of Trapping and Prevention of Releases during Overtopping Chair: Didier Richard (FRANCE) Monitoring dedicated to the setup of an alert system for landslide triggered debris flows: the Valloire case study (Savoie, France) Lorenz Meier (SWITZERLAND) Lorenz Meier (SWITZERLAND) Improving flood control and ecological status? Eco-friendly flood control methods and how to apply them. Swiss surface runoff risk map - Practical implementation Chair: Francesco Comiti		Keynote Mark Adamson, OPW Ireland & EU WG Floods (IRELAND)		"The Floods Directive as a tool for hazard and risk mitigation."		
Releases during Overtopping	12:45-13:45	Presenter	Norina Bertsch (SWITZERLAND)	Integration of natural hazards in the Swiss Standard "Actions on Structures"		
Session: Hazard & Risk Mitigation (2/2) Chair: Didier Richard (FRANCE) Monitoring dedicated to the setup of an alert system for landslide triggered debris flows: the Valloire case study (Savoie, France) Lorenz Meier (SWITZERLAND) Lore			Guillaume Piton (FRANCE)			
Presenter Dominique Laigle (FRANCE) Lorenz Meier (SWITZERLAND) Lorenz Meier (SWITZERLAND) Presenter Ulrich Pulg (NORWAY) Presenter Dominique Laigle (FRANCE) Lorenz Meier (SWITZERLAND) Presenter Ulrich Pulg (NORWAY) Presenter Swiss surface runoff risk map - Practical implementation 15:00-15:15 Student Paper Award - Presentation of winner - Chair: Francesco Comiti	13:45-14:00	5-14:00 Break with available sponsors				
14:00-15:00 Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Presenter Lorenz Meier (SWITZERLAND) Lorenz Meier (SWITZERLAND) Lorenz Meier (SWITZERLAND) Ulrich Pulg (NORWAY) Roberto Loat (SWITZERLAND) Swiss surface runoff risk map - Practical implementation 15:00-15:15 Student Paper Award - Presentation of winner - Chair: Francesco Comiti		Session: Hazard & Risk Mitigation (2/2)		Chair: Didier Richard (FRANCE)		
Presenter Cengalo and seven Years with Debris Flow Alarm System Ulrich Pulg (NORWAY) Improving flood control and ecological status? Eco-friendly flood control methods and how to apply them.		Presenter	Dominique Laigle (FRANCE)			
Ulrich Pulg (NORWAY) Roberto Loat (SWITZERLAND) Swiss surface runoff risk map - Practical implementation 15:00-15:15 Student Paper Award - Presentation of winner - Chair: Francesco Comiti			Lorenz Meier (SWITZERLAND)	Long-term Monitoring in Bondo: over two Years of Permanent Radar Measurements at Piz Cengalo and seven Years with Debris Flow Alarm System		
15:00-15:15 Student Paper Award – Presentation of winner – Chair: Francesco Comiti			Ulrich Pulg (NORWAY)	Improving flood control and ecological status? Eco-friendly flood control methods and how		
				Swiss surface runoff risk map - Practical implementation		
15:15-15:30 Closing ceremony – End of IP 2020				Chair: Francesco Comiti		