

12th Congress Interpraevent, April 23rd to 26th, 2012 - Grenoble - France

Programme

Sunday, April 22nd, 2012

17.00 – 20.30 Conference Registration

Monday, April 23rd, 2012

08.00 Conference Registration

09.30 Opening

10.00 Coffee break

Keynote Lectures

Moderated by Kurt Rohner (AT)

10.30 Bertrand Lefebvre, National Technical Director of ONF (Office National des Forêts) – RTM (Restauration des Terrains en Montagne) (F)
The restoration of mountain terrains: evolution of the stakes, the missions and the RTM Service around a public policy.

11.10 Kenneth Hewitt, Professor Emeritus, Dept. of Geography and Environmental Studies, Cold Regions Research Centre, Wilfrid Laurier Univ., Waterloo, Ontario (CA)
Societal dimensions of preventive and precautionary approaches to mountain land hazards.

11.50 Keynote nr. 3 ?

12.30 Lunch break

Session I – Data acquisition and modelling (Block 1) Moderated by Johannes Hübl (AT)

14.00 Andreas Zischg (CH/I)
Consideration of permafrost and permafrost degradation in natural hazards assessment

14.20 Ting-Chi-Tsao (TW)
Debris flow risk ranking and management – a case study in Taiwan

14.40 Peter Lamovec (SI)
Flash floods and peak discharge estimation

15.00 Oldrich Navratil (FR)
High-frequency monitoring of debris flows in the French Alps

15.20 Arnold Studeregger + Wilfried Ertl (AT)
Importance of meteorological measurement data for avalanche risk assessment

15.40 Coffee break

Session I – Data acquisition and modelling (Block 2)
Moderated by Niki Beyer Portner (CH)

- 16.00 Nicolas Lafarge (FR)
Monitoring and modelling of Lahar flows at Semeru volcano (Java, Indonesia)
- 16.20 Ghazi Al-Rawas (OM) + Robert Kirnbauer (AT)
Rainstorm characteristics in Oman and Austria
- 16.40 Marietta von Pfuhlstein (CH)
The new flaz river – 8 years later. An exceptional project and its monitoring.
- 17.00 Mohammed Naaim + Stephane Roudnitska (FR)
2D modelling of an exceptional historical avalanche for designing deflecting dams: The case of LA SACHE avalanche at les BREVIÈRES in TIGNES (SAVOIE, France)
- 17.20 Bernhard Kohl (AT)
A contribution to the harmonization of deterministic and statistical flood estimation methods
- 17.40 Coffee break
- 18.00 Organizational announcements for the excursions
- 18.30 – 21.30 Video Session
Moderated by Andreas von Poschinger (DE) and Robert Kirnbauer (AT)

Tuesday, April 24th, 2012

- 08.00 – 18.00 Excursions
- 20.00 Gala Dinner

Wednesday, April 25th, 2012

Session I – Data acquisition and modelling (Block 3)
Moderated by Dominique Laigle (FR)

- 08.30 Catherine Berger (CH)
Debris flow simulation at Illgraben, Switzerland, using RAMMS
- 08.50 Perry Bartelt (CH)
Integral hazard management using unified software environments
- 09.10 Jérôme Dubois (CH)
Nomos - High definition 2D model for flooding hazard assessment
- 09.30 Matthias Granig (AT)
A dynamic approach to evaluate the dense and powder snow avalanche model "samos-at"
- 09.50 Jean-Marc Tacnet (FR)
Uncertainty in natural hazards numerical modelling: application of a hybrid approach to debris-flows simulation
- 10.10 Coffee break

Session II – Hazard mapping and non-structural measures
Moderated by Matjaž Mikoš (SI) and Jean-Marc Tacnet (FR)

- 10.40 Bruno Mazzorana (IT)
Advanced scenario-based hazard analysis in practice: hydrodynamics and stochastic processes
- 11.00 Taro Uchida (JP)
Assessment for susceptibility of deep catastrophic landslide induced disasters in Japan
- 11.20 Nicolas Clouet (FR)
Rockfall modelling and risk zoning: a case study in the French Alps using geomatics, airborne laser scanning, 2D & 3D runout models
- 11.40 Raffaele Rocco (IT)
Standard methodology to study debris flow hazard and risk mitigation in alpine basins
- 12.00 Sabina Steiner (CH)
Joint Information Platform for Natural Hazards in Switzerland
- 12.20 Lunch Break

Session III – Structural measures and environmental protection effects (Block 1)
Moderated by Florian Rudolf-Miklau (AT)

- 14.00 Bernd Kister (CH)
Analysis of torrent protective structures as a basic element of the hazard mapping process
- 14.20 Martin Detert (CH)
Drift wood retention to minimize flood risk for the city of Zurich - physical experiments
- 14.40 Tamara Ghilardi (CH)
Flood risk management of the Avancon river
- 15.00 Stefan Margreth (CH)
Handling of stone walls and earth terraces in avalanche starting zones
- 15.20 Ueli Gruner (CH)
Integral rock fall protection in Adelboden (Bernese Oberland)
- 15.40 Coffee break

Session III – Structural measures and environmental protection effects (Block 2)
Moderated by Hideaki Marui (JP)

- 16.10 Francesco Comiti (IT)
Preventing wood-related hazards in mountain basins
- 16.30 Markus Holub (AT)
Reducing vulnerability to mountain hazards by local structural protection
- 16.50 Olivier Marco (FR)
Reliability of avalanche protection structures
- 17.10 Franck Bourrier (FR)
Full scale field tests on rockfall impacting trees felled across the slope

- 17.30 Ratko Ristić (RS)
Torrential floods in Serbia - man made and natural hazard
- 17.50 Break
- 18.00 – 20.30 Poster session
Moderated by Bruno Mazzorana (IT) and Joe Schneider (AT)

Thursday, April 26th, 2012

Session IV – Intervention and recovery Moderated by Paolo Simonini (IT)

- 08.30 Roland Claudet + Philippe Bouvet (FR)
Expert assessment of avalanche risk for local avalanche prediction and crisis management
- 08.50 Julien Jadot (FR)
How to determine quantities and characteristics of waste produced by floods. Key elements and outlines for a methodology.
- 09.10 Martin Buser (CH)
Local natural hazards advisors for civil staff units
- 09.30 Franziska Schmid (CH)
Towards an optimised early warning - developments in Switzerland
- 09.50 Tanja Prešeren (SI)
Contingency planning oriented hazard mapping
- 10.10 Coffee break

Session V – Risk governance and policies (Block 1) Moderated by Hans Kienholz (CH)

- 10.40 Michael Bründl (CH)
"Econome-railway" a new calculation method and tool for comparing the effectiveness and the cost-efficiency of protective measures along railways
- 11.00 Andreas Rimböck (DE)
Integral torrent development concepts
- 11.20 Norbert Sereinig (AT)
New tools to plan and evaluate participatory flood risk management
- 11.40 Hans-Heini Utelli (CH)
Risk concept for natural hazards on national roads - methodology and first experience
- 12.00 Lukas Hunzinger (CH)
Sharing the costs for protective measures based on a risk analysis
- 12.20 Student Poster Award ceremony
- 12.30 Lunch Break

Session V – Risk governance and policies (Block 2)
Moderated by Markus Stoffel (CH)

- 14.00 Rainer Höhne (DE)
OPTIMETH – contribution to an optimal usage of methods for describing torrential processes.
- 14.20 Marco Baumann (CH)
Risk dialogue on natural hazards
- 14.40 Maria Papathoma Köhle (AT)
A new vulnerability function for debris flow - The importance of physical vulnerability in alpine areas.
- 15.00 Martin Klose (DE)
Economic loss by landslides. Development of an empirical calculation model with regional application to German subdued mountains
- 15.20 Clemens Pfurtscheller (AT)
The costs of natural hazards in alpine environments
- 15.40 – 16.00 Closing ceremony