



# International Conference 'Mountain Risks: Bringing Science to Society'

Final programme

## Wednesday - 24 November 2010

8:00 - 9:00 Registration at the Conference Venue - Istituto degli Innocenti

9:00 - 9:30 **Opening Ceremony: Malet - Glade - Casagli**

9:30 - 11.00	<b>Session CT01 - Part 01</b>	<b>Keynote: Zezere</b>	30 min	<i>Uncertainties and drawbacks in landslide susceptibility and hazard assessment</i>
	<i>Chairman: van Asch</i>	Cigna et al.	15 min	<i>Updating landslide inventory maps in mountain areas by means of Persistent Scatterers Interferometry (PSI) and photo-interpretation</i>
		Micu et al.	15 min	<i>A multi-hazard assessment in the Curvature Carpathians of Romania</i>
		Lu et al.	15 min	<i>Rapid mapping of landslide hotspot</i>
		<i>Question / Discussion</i>	15 min	

11:00 - 11.30 Coffee break

11:30 - 13.00 **Session CT01 - Part 02**

	<i>Chairman: Jongmans</i>	Havenith et al.	15 min	<i>Earthquake induced landslide hazards in Tajikistan</i>
		Torgoev et al.	15 min	<i>Assessment of landslide activity in the Maily-Say Valley, Kyrgyz Tien Shan</i>
		Dykes et al.	15 min	<i>Rock slope instability in England's Lake district</i>
		Mazzanti et al.	15 min	<i>Assessing rockfall susceptibility by Terrestrial SAR Interferometry</i>
		Ramesh et al.	15 min	<i>Model performance analysis for flood hazard assessment in Ubaye River, Barcelonnette, France</i>
		<i>Question / Discussion</i>	15 min	

13:00 - 14.30 Lunch

14:30 - 16.00 **Session CT01 - Part 03**

	<i>Chairman: Bogaard</i>	Spickermann et al.	15 min	<i>Analysis of failure mechanisms in black marls by small-scale experiments and numerical modelling</i>
		Mainsant et al.	15 min	<i>The solid-to-liquid transition in the Trièves clay: the lessons from rheometric and seismic tests</i>
		Eichenberger et al.	15 min	<i>Numerical analyses for the establishment of rainfall thresholds for shallow landslides</i>
		Martelloni et al.	15 min	<i>Integration of statistical rainfall thresholds and snow melt modeling for landslide prediction</i>
		Hurlimann et al.	15 min	<i>Debris-flow initiation affected by snowmelt. Case study of the Senet monitoring site, eastern Pyrenees</i>
		<i>Question / Discussion</i>	15 min	

16:00 - 16.30 Coffee break

16:30-17:30 **Session CT07**

	<b>Keynote: Hervàs</b>		30 min	<i>Harmonised approaches for landslide susceptibility mapping in Europe</i>
	<i>Chairman: Zezere</i>	Abbruzzese et al.	15 min	<i>Challenges in achieving European-wide methodologies for rock fall hazard mapping</i>
		van den Eeckhaut et al.	15 min	<i>Calibration of logistic regression coefficients from limited landslide inventory data for European wide landslide susceptibility modelling</i>

17.30 - 19.30 **Poster session & Italian cocktail**





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Final programme

### Thursday - 25 November 2010

9:00 - 10.45	<b>Session CT02</b>	<i>Keynote: Petley</i>	30 min	<i>Monitoring and forecasting of patterns of landslide movement and runout</i>
	<i>Chairman: Corominas</i>	Travelletti et al.	15 min	<i>Landslide kinematics characterization using correlation of terrestrial oblique optical images</i>
		Schneiderbauer et al.	15 min	<i>The analysis of X-Band SAR data for slow moving landslide detection and monitoring</i>
		Askarinedjad et al.	15 min	<i>Two case histories of landslides induced by artificial rainfall on steep slopes</i>
		Gundogdu & Huvaj	15 min	<i>Sensitivity of slow moving landslides to changes in groundwater level</i>
		<i>Question / Discussion</i>	15 min	
10:45 - 11.15	<i>Coffee break</i>			
11:15 - 13.00	<b>Session CT03</b>	<i>Keynote: De Bernardinis</i>	30 min	
	<i>Chairwoman: Tofani</i>	Petschko et al.	15 min	<i>Landslide inventories for landslide early warning system</i>
		Corsini et al.	15 min	<i>Surveillance of landslide risk areas with ground-based interferometric SAR for Civil Protection in Emilia Romagna</i>
		Huggel et al.	15 min	<i>Managing multiple mountain risks and optimizing early warning systems in Colombia</i>
		Garcia et al.	15 min	<i>Community-based early warning system for mountain risks, Northern Italy: Identifying challenges and proposing strategies</i>
		<i>Question / Discussion</i>	15 min	
13:00 - 14.30	<i>Lunch</i>			
14.30 - 16.15	<b>Session CT04</b>	<i>Keynote: Birkmann</i>	30 min	
	<i>Chairman: Sterlacchini</i>	Kappes et al.	15 min	<i>From single to multi-hazard risk analyses: reflections on emerging challenges</i>
		Corominas et al.	15 min	<i>Methodology for the quantitative risk assessment at site specific scale</i>
		Lazzari et al.	15 min	<i>Integrated methods to define the cultural heritage risk map: the sample area of Laurenzana historical centre</i>
		Harbitz et al.	15 min	<i>Hazard and risk assessment of rock slide tsunamis in lakes and fjords</i>
		<i>Question / Discussion</i>	15 min	
16:15 - 16.45	<i>Coffee break</i>			
16.45 - 18.00	<b>Session CT05 - Part 1</b>	<i>Keynote: Pfurtsheller</i>	30 min	
	<i>Chairman: Maquaire</i>	Huttenlau et al.	15 min	<i>Elements at risk, damage potentials and loss consequences of extreme natural hazard risk scenarios in mountain regions</i>
		Quan Luna et al.	15 min	<i>From deterministic hazard modelling to risk and loss estimation</i>
		Olschewski et al.	15 min	<i>Avalanche protection by forests – Approaches towards an economic valuation</i>
		<i>Question / Discussion</i>	15 min	
17.45 - 19.30	<b>Poster session &amp; Italian cocktail</b>			





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### Friday - 26 November 2010

9:00 - 10.30	<b>Session CT05 - Part 2</b>	<i>Keynote: Felgentreff</i>	30 min	
	<i>Chairman: Glade</i>	Link et al.	15 min	<i>Peoples expectations towards communication in Alpine hazard zone planning, South Tyrol (Italy)</i>
		Peters et al.	15 min	<i>Combining community-based surveys and GIS tools for understanding household's changing vulnerability to geohazards</i>
		Angignard et al.	15 min	<i>Understanding the concern of people living with the risk: example in the Ubaye Valley, France</i>
		<i>Question / Discussion</i>	15 min	
10.30 - 11.00	<i>Coffee break</i>			
11.00 - 12.30	<b>Session CT06</b>	<i>Keynote: van Westen</i>	30 min	<i>Development of training materials on the use of geo-information for mountain risk management</i>
	<i>Chairwoman: Ibsen</i>	Frigerio et al.	15 min	<i>Open source frame for sharing and communicating information on hazards and risks</i>
		Castaldini et al.	15 min	<i>The BeSafeNet initiative of Council of Europe: training material on multi-hazards for graduated teachers</i>
		Keys et al.	15 min	<i>Lessons learned for management of volcanic risks from experience with Ruapehu's Crater lake, New zealand</i>
		<i>Question / Discussion</i>	15 min	
12.30 - 14.00	<i>Lunch</i>			
14.00 - 15.45	<b>Session CT08 - Part 1</b>	<i>Keynote: Nadim</i>	30 min	<i>Landslide risk in Europe -The SafeLand project</i>
	<i>Chairman: Casagli</i>	Cepeda et al.	15 min	<i>Empirical estimates of precipitation conditions for landslide triggering</i>
		Pastor et al.	15 min	<i>Models and methods for estimating runout distance</i>
		Jaedicke et al.	15 min	<i>Identification of landslide hazard and risk "hotspots" in Europe</i>
		Callerio et al.	15 min	<i>Case studies for verification/calibration of models and scenarios in FP7 Project Safeland</i>
		<i>Question / Discussion</i>	15 min	
15.45 - 16.15	<i>Coffee break</i>			
16.15 - 17.30	<b>Session CT08 - Part 2</b>			
	<i>Chairman: Pasuto</i>	Michoud et al.	15 min	<i>Review of Techniques for landslide Detection, fast Characterization, rapid Mapping and Long-term Monitoring</i>
		Tofani et al.	15 min	<i>Remote sensing technologies for landslide detection monitoring and rapid mapping</i>
		Baills et al.	15 min	<i>Prospective scenarios for human activity factors influencing local landslide hazard and risk</i>
		Bucchignani et al.	15 min	<i>High resolution climate scenarios on Italian mountains</i>
		Mercogliano et al.	15 min	<i>Short-term weather forecasting for shallow for landslide prediction</i>
		<i>Question / Discussion</i>	15 min	
17.30 - 18.00	<b>Closing Ceremony</b>			





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Final programme

### Poster programme

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P1-01	Bai et al.	<i>Comparison on landslide susceptibility assessments before and after 5,12 WenChuan Earthquake at Longnan, China</i>
P1-02	Fressard et al.	<i>Landslide susceptibility assessment in the hilly valleys of the Pays d'Auge using logistic regression (Normandie, France)</i>
P1-03	Danese et al.	<i>A kernel density estimation approach for landslide susceptibility assessment</i>
P1-04	Bertolini et al.	<i>The reactivation of large earth-flows in the Northern Apennines: an overview</i>
P1-05	Kayastha et al.	<i>GIS based landslide susceptibility assessment in Nepal Himalaya: a comparison of heuristic and statistical bivariate analysis</i>
P1-06	van Asch et al.	<i>Testing simplified run-out models for hazard and risk assessment at the regional scale</i>
P1-07	Rosi et al.	<i>Definition of a regional rainfall threshold for landslide triggering in Tuscany</i>
P1-08	Dani et al.	<i>Land-slide monitoring and triggering threshold assessment in Tuscany</i>
P1-09	Reinaud et al.	<i>Landslides and debris flows triggered by rainfall: the Barcelonnette Basin case study, South French Alps</i>
P1-10	Montrasio et al.	<i>Time-space distribution of shallow landslides induced by rainfalls in the area of Oltrepo Pavese, Northern Italy</i>
P1-11	Bhattacharya et al.	<i>Integrated flood modeling for susceptibility assessment of Barcelonnette town</i>
P1-12	Billi et al.	<i>Dryland river processes and hazards: examples from the Horn of Africa</i>
P1-13	Torgoev I. et al.	<i>Landslide hazards in the Kyrgyz Tien Shan</i>
P1-14	Raspini et al.	<i>Terrain motion analyses using Persistent Scatterers Interferometry</i>
P1-15	Tofani et al.	<i>Integration of PSI technique and conventional ground-based methods for characterization and monitoring of Santo Stefano d'Aveto landslide (central Italy)</i>
P1-16	Luzi et al.	<i>Ground-Based SAR Interferometry applied to landslides monitoring in mountainous areas</i>
P1-17	Bai et al.	<i>Analysis of displacement features of Xieliupo landslide induced by rainfall</i>
P1-18	Moya et al.	<i>Assessing the magnitude-frequency of debris flows by tree-ring and relative dating at the Tordo torrent</i>
P1-19	Gance et al.	<i>Contribution of seismic tomography for taking soil variability into account in landslide stability numerical modelling</i>
P1-20	Daehne et al.	<i>Applications of a numerical model for slow-moving landslides to the Valoria and the Super-Sauze landslides</i>
P1-21	Fanti et al.	<i>The catastrophic debris-flow of Minatitlan (Colima, Mexico): description and modeling</i>
P1-22	Salvini et al.	<i>Rock slope stability and runout analysis for geological risk mapping in the Marina Piccola bay (Capri Island, Italy)</i>
P1-23	Quan Luna et al.	<i>Parameterization of debris flow dynamic run-out models for quantification of uncertainty in risk assessment</i>
P1-24	Spickermann et al.	<i>Post-processing in numerical modelling of hydrological triggered landslides</i>





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P2-01	Daehne et al.	<i>An integrated monitoring and GIS-based approach for the analysis of high hazard areas at the Valoria landslide in Italian Apennines</i>
P2-02	Krzeminska et al.	<i>Estimation of spatial and temporal variation in soil moisture conditions in an unstable slope based on high resolution temperature observations</i>
P2-03	Lissak et al.	<i>Field monitoring based on continuous data acquisition for a slow moving landslide in Normandy</i>
P2-04	Peters et al.	<i>Mutlti-sensor monitoring network for real-time landslide forecasts in early warning system</i>
P2-05	Bai et al.	<i>Forecasting of rainfall-induced landslides: a case study of Wudu, China</i>
P2-06	Nadim et al.	<i>Landslides triggered by human activity</i>
P2-07	Bhattacharya et al.	<i>Flood risk assessment of Barcelonnette for estimation of economic impact on the physical elements at risk in the area</i>
P2-08	Pfurtscheller et al .	<i>Cost assessment of natural hazards in mountain regions - Alpine vulnerabilities, transnational facts and case studies</i>
P2-09	Adams et al.	<i>Improved accessibility: reliability and security of Alpine transport infrastructure related to mountain hazards</i>
P2-10	Shakiba et al.	<i>Analysis of landslide mitigation using piles</i>
P2-11	Colangelo et al.	<i>Rockfall risk mitigation and implications for emergency management in Basilicata region</i>
P2-12	Khan et al.	<i>Influences of place characteristics on hazards, perception and individual response in the hazardscape of the Wellington region</i>
P2-13	Dobersberger et al.	<i>A methodology for determining the impacts of a changing climate on natural hazards</i>
P2-14	Frigerio et al.	<i>Integration of a GIS-based Decision Support System in the context of french civil defence. La Valette case study, France.</i>
P2-15	Kunzler et al.	<i>Emerging risks related to new lakes in deglaciating areas of the Alps</i>
P2-16	Frigerio et al.	<i>Open source frame for sharing and communicating information on risks: Barcelo@, Barcelonnette Basin as pilot study</i>
P2-17	Frigerio et al.	<i>Landslides historical dataset and population distribution: Hystoric@, the experience of the Mountain Municipalities of Valtellina di Tirano, Italy</i>

