International conference

Analysis and Management of Changing Risks for Natural Hazards

18-19 November 2014, Padua, Italy

Introduction

The conference provides an opportunity to discuss multi-hazard risks and multi-disciplinary research results on the effects of changing of hydro-meteorological risks and their effects on planning strategies. The conference focus 1) on natural hazard process understanding and innovative methodologies for quantitative hazard and risk forecasts, and 2) on the integration of engineering, socio-economic and human sciences in risk management and prevention planning in practice.

Hydro-meteorological hazards such as landslides and snow avalanches, debris flows, flash floods and river flooding have severe impact on society and economy, especially in mountain areas. The number of disastrous events over the last decade has increased considerably. The low perception of natural risks by the communities involved, along with the lack of efficient, socially accepted and environmentally sound remedial measures contribute to the increasing impact of hydro-meteorological events. It is also evident that the effects of land use changes have to be taken into account not only within the risk analysis, but also in the planning strategies.

Considering such challenges, it is important to continue to develop an advanced understanding of how environmental, climate and socio-economic changes will affect the temporal and spatial patterns of hydro-meteorological hazards and associated risks, how these changes can be assessed, modelled, and incorporated into sustainable risk management strategies (focusing on spatial planning, emergency preparedness, risk communication and early warning systems).

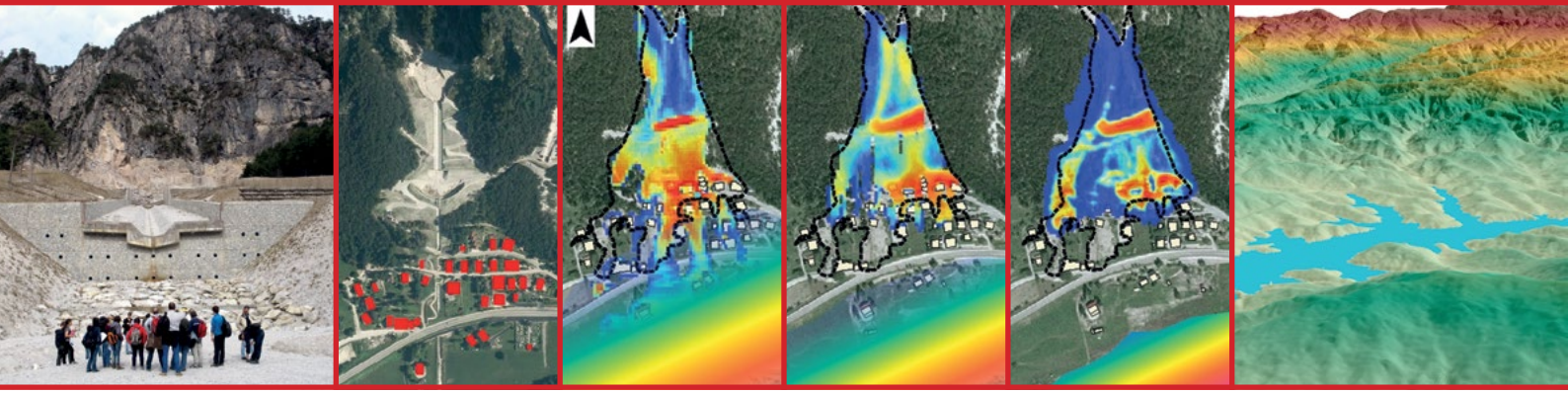
The conference represents the culmination of the EC's co-funded projects CHANGES* (**www.changes-itn.eu**), and IncREO** (**www.increo-fp7.eu**) and will provide a forum for exchange of ideas related to effective risk management strategies. Case studies as well as conceptual approaches are most welcome.

* Changing Hydro-meteorological risks as Analysed by a New Generation of European Scientists

** Increasing Resilience through Earth Observation

Conference topics

- Hydro-meteorological changes and forecasting
- Generating assets maps using Remote Sensing techniques
- Modelling changes in exposure and vulnerability of societies
- Modelling changes in natural risks and estimate risk scenarios
- Risk management strategies adopting to future changes, including risk perception and insurance
- Risk communication and risk governance aspects of changing risk
- Earth Observation data, geo-information and visualization tools for risk assessment
- Lessons learned and transferability of multi-hazard risk assessment methods to developing countries



Conference venue

The conference will be held at: Centro Culturale San Gaetano, Via Altinate nr. 71, Padua, Italy.

Conference fees and financial support

Early bird fee until 30th September 2014 is €150. **Regular fee** until 30th October 2014 is €225. **Late and On site fee** is €300. The fee includes access to the scientific sessions, digital proceedings and refreshments. The conference is offering a limited number of fellowships for young researchers from developing countries and Southern Mediterranean and Eastern European countries. Application forms can be downloaded from the conference website indicated below.

Abstract submission and registration

The deadline for submission of abstract is: **1st July 2014**, and the deadline for full papers: **1st October 2014**. You can register on the following website: **www.changes-itn.eu**

Contact:

Scientific secretariat: (submission of abstracts and papers):
Dr. Jacqueline Runje (TUDO, Dortmund, Germany)
E-mail: **jacqueline.runje@tu-dortmund.de**

Local organizing secretariat: (contact about registration and payment). Sistema Congressi (Padua, Italy)
E-mail: **helpdesk@sistemacongressi.com**

Scientific committee:

Philippe Arbogast (Meteo France, France), André Assmann (geomer GmbH, Germany), Dan Balteanu (IGRAC, Romania), Thom Bogaard (TUD, Netherlands), Luuk Dorren (FOEN, Switzerland), Thomas Glade (UNIVIE, Austria), Stefan Greiving (TUDO, Germany), Fausto Guzzetti (CNR-IRPI, Perugia, Italy) Michel Jaboyedoff (UNIL, Switzerland), Stefan Jäger (geomer GmbH, Germany), Anna Kortcheva (NIMH, Bulgaria), Vera Kraft-Holzhauer (Infoterra GmbH, Germany), Suzanne Lacasse (NGI, Norway), Eric Leroi (Urbater, France), Jean-Philippe Malet (CNRS, France), Erik Mostert (TUD, Netherlands), Marc Mueller (Spot Image SA, France), Ion Nedelcu (ROSA, Romania), Alessandro Pasuto (CNR-IRPI, Padua, Italy), Erik Peters (Alert Solutions, Netherlands), David Petley (University of Durham, United Kingdom), Paola Reichenbach (CNR-IRPI, Perugia, Italy) Mario Scalet (UNESCO, Venice, Italy), Simone Sterlacchini (CNR-IDPA, Milano, Italy), Karen Sudmeier-Rieux (UNEP, Geneva, Switzerland), Cees van Westen (ITC University of Twente, Netherlands), Andreas Walli (GeoVille, Austria), Peter Zeil (Z_GIS, Austria)

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