



TESAF



RINA
Núcleo de Investigación en Riesgos
Naturales y Antropogénicos



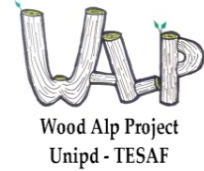
Comisión Nacional de Investigación
Científica y Tecnológica - CONICYT



Italian Society of
Agricultural Engineering



LERH
PhD Program



Wood Alp Project
Unipd - TESAF

CONICYT CHILE supported the collaborative project “**Natural Risks in Mountain Areas and their Effects in River Morphology**” (REDES 150153) between the Universidad Austral de Chile (UACH) and the Dept. Land, Environment, Agriculture and Forestry (University of Padova).

This project was developed in the context of the formation and strengthening of international research networks.

The main topics of the research network are related to:

1. An increase of the international research contributions in the field of natural hazards in mountain areas and their effects in river morphology;
2. Contribution for the creation of capabilities in advanced human resources by means of the participation in state-of-the-art research studies;
3. The creation of an international multi-disciplinary collaborative research group.

Following this, exchanges are encouraged and funded. In this sense, with the present communication we want to draw your attention on the International Workshop organized at the University of Padova.

Agripolis – Campus, Viale dell’Università 16, Legnaro (Pd), 35020

June 6th, 2017 @ 9:00

Lecture Hall "Mario Bonsembiante" at the “Pentagono” building

Information and participation (free, for organization issues only) by May 21st, 2017:

lorenzo.picco@unipd.it (+39) 0498272695

International Workshop Scientific Committee:

Prof. Galo Valdebenito – Universidad Austral de Chile;

Prof. Andrés Iroumé – Universidad Austral de Chile;

Prof. Mario A. Lenzi – University of Padova;

Dr. Lorenzo Picco – University of Padova.

Chairman:

Dr. Lorenzo Picco – University of Padova.

International Workshop program:

9:00 – 9:20 Welcome and Introduction: Prof. *Raffaele Cavalli*, Head of TeSAF Department, University of Padova, and Prof. *Marco Borga*, Coordinator of the Scientific Commission for the School of Agricultural Sciences and Veterinary Medicine, University of Padova.

9:20 - 10:00 Risk mitigation measures of water/sediment floods in hilly and mountain catchments. Prof. *Vincenzo D'Agostino* (University of Padova)

10:00 - 10:40 Making expert knowledge usable for flood hazard assessment by applying Formative Scenario Analysis and Rough Set Theory. Prof. *Bruno Mazzorana* (Universidad Austral de Chile)

10:40 - 11:10 Coffee break

11:10 - 11:50 Connecting climatic conditions, sediment source area and sediment transport dynamics along an alpine basin. Dr. *Riccardo Rainato* (University of Padova)

11:50 - 12:30 Morphological changes in the Blanco River following the 2008 Chaiten volcano eruption: what we have learned. Prof. *Andrés Iroumé* (Universidad austral de Chile)

12:30 - 13:30 Lunch break

13:30 - 14:10 Geomorphometric approaches to assess sediment connectivity in mountain catchments.

Dr. *Marco Cavalli* (CNR-IRPI - Padova)

14:10 - 14:50 Sedimentary and Large Wood characterization at Blanco River (Chaitén, Chile), using Refraction Microtremors and Ground Penetrating Radar. *David Alvarado* (Universidad Austral de Chile)

14:50 - 15:10 Coffee break

15:10 - 15:50 Debris flows and flash floods: monitoring and event documentation in instrumented and ungauged catchments. *Lorenzo Marchi* (CNR-IRPI - Padova)

15:50 - 16:30 Advanced geophysical methods for sub-surface surveys in volcanic environments (GPR, Seismic, ROV). *Galo Valdebenito* (Universidad Austral de Chile)

16:30 - 16:50 Discussion and Conclusions, Prof. Mario A. Lenzi (University of Padova)