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Please send your registration to eventsfast@unibz.it until 17.05.2013

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FREE UNIVERSITÄT BOZEN
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Fakultät für Naturwissenschaften
und Technik

Facoltà di Scienze
e Tecnologie

Faculty of Science
and Technology

EURAC
research



WORKSHOP EMERGE

RETREATING GLACIERS AND EMERGING ECOSYSTEMS IN THE SOUTHERN ALPS

28 | 05 | 2013

9 AM – 6 PM

room D103 | mainbuilding
Free University of Bozen- Bolzano

PROGRAMME

Introduction

- 09.00 Welcome
Massimo Tagliavini, dean
- 09.10 Presentation of the EMERGE project
Lorenzo Brusetti & Stefan Zerbe

Session I:

Hydrology and sediment transport in glacierized basins

chair: Francesco Comiti, Giacomo Bertoldi

- 09.20 Hydrology and sediment transport in the upper Saldur basin
Michael Engel, FUB/ EURAC
Andrea Dell'Agnese, FUB
- 09.50 A multi-tracer analysis of snowmelt and glacier melt contribution to runoff in the Saldur basin
Daniele Penna, FUB/ University of Padova
- 10.10 Alpine hydrology in high elevation and glacierized basins and their modeling
Marc Parlange, EPFL, Switzerland
- 10.35 Bedload transport in glacierized basins
Dieter Rickenmann, WSL Zürich, Switzerland
- 11.00 Coffee Break @ UniBar

Session II:

Microbial communities interacting with water, plants and bedrock in high mountain ecosystems

chair: Lorenzo Brusetti

- 11.30 Relation between bacterial communities and water quality in the upper Saldur catchment
Alfonso Esposito, FUB
- 11.55 Bacteria associated to pioneering plants in deglaciated alpine environments: biodiversity, activity and role
Sonia Ciccazzo, University of Milan

- 12.20 The genomes of the nitrogen-fixing *Frankia*, an ecosystem engineer
Philippe Normand, Université Lyon
- 12:45 The roles and applications of siderophores in natural environments
Engy Ahmed & Sara Holmström, University of Stockholm
- 13.10 Lunch @ UniMensa

Session III:

Patterns and processes in alpine aquatic and terrestrial ecosystems

chair: Stefan Zerbe

- 14.30 Temporal and longitudinal patterns of the macro- and meiofauna in the Saldur river
Roberta Bottarin & Silvia Folegot, EURAC
- 14.55 Effects of climate change in alpine lotic ecosystems
Bruno Maiolini, Research and Innovation Centre, Fondazione Edmund Mach, S. Michele all'Adige
- 15.20 Vegetation and landscape changes, biodiversity of flora and biomass production in newly emerged habitats
Elisa Varolo, FUB
- 15.45 Coffee Break @ Unibar
- 16.15 Drivers of colonization and population development in a central alpine glacier foreland
Brigitta Erschbamer, University of Innsbruck
- 16.40 Global Change in mountain areas: The need of long-term studies
Ulrike Tappeiner, University of Innsbruck/ EURAC
- 17.05 Discussion
- 17.30 End of the workshop
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