

CONFERENCE DESCRIPTION:

The knowledge of sediment transport fluxes in rivers and their correct management are increasingly recognized as crucial for guaranteeing a sustainable and integrated use of the water resources and of the fluvial corridors worldwide. The workshop intends to bring together scientists and practitioners – from both public and private sectors – interested to learn and discuss the state-of-the-art approaches and experiences on river sediment transport monitoring and management strategies, with a special focus on mountain channels. The event will last two days, with international (first day) and Italian (second day) invited speeches. Discussion time will be available after every talk and at the end of each day.

It will be possible to display posters (max 100, without specific presentation times, A0 594x841 cm) on both days.

INTERNATIONAL INVITED SPEAKERS:

- **Melanie Bertrand** (IRSTEA, France)
- **Robert Boes** (ETH Zurich, Switzerland)
- **Helmut Habersack** (BOKU University, Austria)
- **Pedro Manso** (EPFL Lausanne, Switzerland)
- **Luca Mao** (Pontificia Universidad de Chile)
- **Susanne Mehlhorn** (Federal Ministry for Sustainability and Tourism/ Avalanche and Torrent Control, Austria)
- **Shusuke Miyata** (Kyoto University, Japan)
- **Dieter Rickenmann** (WSL Research Institute, Switzerland)
- **Benoît Terrier** (Agence de l'eau Rhône Méditerranée Corse, France)
- **Ellen Wohl** (Colorado State University, USA)

Further information and registration at:
sedimentmanagement.events.unibz.it

ORGANIZING COMMITTEE:

Prof. Francesco Comiti, Prof. Maurizio Righetti,
Prof. Michele Larcher, Massimo Eccli
(Free University of Bozen-Bolzano)

Faculty of Science and Technology
Universitätsplatz 5 - piazza Università, 5
Italy - 39100, Bozen-Bolzano

science.technology@unibz.it
www.unibz.it

WITH THE SUPPORT OF:



The Civil Protection Agency of the Autonomous Province of Bolzano supports the event through the HyMoCARES Project. The project will contribute to enhance protection, conservation and ecological connectivity of Alpine freshwater ecosystems, as the main pressures affecting their ecological status are related to the alteration of their hydromorphological dynamics.

CONVENTION VENUE

Aula D1.02, Free University of Bozen-Bolzano
Universitätsplatz 1 - piazza Università, 1
Italy - 39100, Bozen-Bolzano

Sediment Management in Channel Networks: from Measurements to Best Practices

8–9 November 2018

Free University of Bozen-Bolzano
Aula D1.02



PROGRAMME NOVEMBER 8

International experiences on sediment transport measurements and management

08.30 Registration

09.00 Welcome speeches

09.15 Introduction to the workshop and to the "Sediplan project" (Comiti)

>>> Sediment transfer and ecosystem services

09.30 The relevance of sediment regime for river ecosystems (Wohl)

10.00 Sediment transport and ecosystem services: the "Hymocares" project (Goltara)

10.30 Coffee break with posters

>>> Quantification of sediment transfer and current trends

11.00 Bedload transport monitoring and modelling: state of the art (Rickenmann)

11.30 Suspended transport monitoring and modelling: state of the art (Habersack)

12.00 Recent developments in sediment monitoring in Japanese rivers (Miyata)

12.30 Sediment transport in high-elevation basins and future trends (Mao)

13.00 Lunch

>>> Sediment regime alterations and attempts for restoration

14.00 Bypass tunnels to route sediment around dams (Boes)

14.30 Sediment management options for Alpine reservoirs: current practices and innovative solutions (Manso)

15.00 Examples of sediment replenishment in French Alpine rivers (Bertrand)

15.30 Coffee break with posters

>>> Best practices applied in sediment management

16.00 The Austrian concept for sediment management in torrential catchments (Mehlhorn)

16.30 Sediment management in Switzerland (Kokschi)

17.00 Challenges of sediment management in the Rhône Mediterranean and Corsican river basins (Terrier)

17.30 Final discussion

18.00 End of the workshop

PROGRAMME NOVEMBER 9

>>> Verso i piani di gestione del sedimento in Italia*

08.30 Registrazione

09.00 Introduzione al workshop (Bussettini, ISPRA)

>>> Il monitoraggio del trasporto solido in Italia

09.20 Esperienze e rete di monitoraggio del trasporto solido in Alto Adige (Dinale/Nadalet, Ufficio Idrografico della Provincia autonoma di Bolzano)

09.40 Esperienze di monitoraggio del trasporto solido in Veneto (Preciso, ARPA Veneto)

10.00 Monitoraggio del trasporto solido nei bacini appenninici (del Longo, ARPA Emilia-Romagna)

10.15 Coffee Break

>>> Trasporto solido e gestione degli impianti idroelettrici

11.00 Il monitoraggio del trasporto solido: l'esperienza in ARPA Lombardia (Roberto Serra, ARPA Lombardia)

11.20 Gestione del sedimento negli invasi dell'Alto Adige (Valentina Cavedon, Alperia S.p.A)

11.40 Il Progetto "SEDIPLAN-innovation" (Gianluca Vignoli, CISMA S.r.l.)

12.00 Discussione

12.30 Pranzo

>>> Esempi di piani di gestione dei sedimenti e di "buone pratiche"

14.00 La gestione dei sedimenti nel bacino del Po (Andrea Colombo, Autorità distrettuale del Fiume Po)

14.20 Nuovo approccio per la gestione dei sedimenti: il caso del bacino Cellina-Meduna (Alberto Cisotto, Distretto Idrografico delle Alpi Orientali)

14.40 Interventi integrati: mitigazione e riqualificazione in Alto Adige (Nicola Marangoni/Peter Hecher, Agenzia per la Protezione Civile della Provincia autonoma di Bolzano)

15.00 Problematiche aperte della gestione dei sedimenti a livello nazionale (Andrea Goltara, Centro Italiano di Riqualificazione Fluviale)

15.20 Coffee break e poster

16.00 Tavola rotonda: linee guida per i piani di gestione dei sedimenti (Coordinata da ISPRA)

17.00 Termine dei lavori

*In alternative, on November 9th a one-day field trip to two sediment monitoring stations in the area will be offered for attendees (max 28 people, explanations will be provided in English)



FIELD EXCURSION ON NOVEMBER 9, 2018

Monitoring station Adige River
Monitoring station Solda River
Drei Brunnen/Tre Fontane site

- 8.00** Bus leaves Bolzano (meeting point Kolpinghaus, behind the University building)
- 8.15–9.15** Visit to the monitoring station on the Adige River near Bolzano
- 9.15–10.45** Drive up along the Vinschgau/Venosta valley and arrival in Ponte Stelvio
- 10.45–11.30** Visit to the monitoring station on the Solda River
- 11.45–12.00** Drive to the village of Trafoi
- 12.00–13.15** Short visit to the Drei Brunnen/Tre Fontane site (overall 40 min walk, or car ride for those who prefer not to walk)
- 13.30–15.00** Lunch at the restaurant “Stern” in Prato allo Stelvio/Prad am Stilfserjoch (free choice, not included)
- 15.00–16.30** Drive down to Bolzano

PLEASE, BRING WARM CLOTHES (ELEVATION UP TO 1600 m A.S.L.) AND HIKING SHOES

