



EFIB News December 2023

Dear members and friends. Here some conferences related with SW Bioengineering where some of our members intend to participate.

WORKSHOPS, COURSES and CONFERENCES from EFIB MEMBERS

EGU24 - Session NH3.13: Nature-based and bio-based solutions for geohazard mitigation on slopes and streambanks
Convenor: A. Proccolo / Co-convenors: V. Capolünzio; A. Evette, P. Sangalli, S. Hörbinger

Call for abstracts *Deadline 10 January 2024* ([LINK](#))

EXPERIMENTAL **REGULATIONS, GOOD PRACTICES, DESIGN, REVIEWS, DATA REPOSITORIES** **NUMERICAL MODELLING, CASE STUDIES**

EGU24 – (Vienna & online). 14–19 April 2024

[call4abstracts](#)] Nature-based and bio-based solutions for geohazard mitigation on slopes and streambanks

We are proposing a session on nature-based solutions - and bio-based solutions to mitigate the effects of landslides and erosion at EGU24 - European Geosciences Union. The objective of the session is to stimulate the interdisciplinary exchange of knowledge on nature-based (such as Soil and Water Bioengineering, vegetation use, capillary barriers, ...) and bio-based (such as MICP calcite induced by microbial activities, bio-polymers...) solutions for the mitigation of risks related to hydro-geological disasters, with particular attention to landslides and erosion on slopes and streambanks, including biodiversity and ecosystem services dimensions.

Contributions will range from:

- experimental studies (lab and site)
- numerical analyses and upscaling of results
- design approaches, best practices, manuals, and guidelines
- National and European policies

- case studies

The session has been organized by

Alessandro Fraccica, Vittoria Capobianco, André Evette, Paola Sangalli, Stephan Hörbinger

(ISPRA – Italian Institute for Environmental Protection and Research, NGI - Norwegian Geotechnical Institute, INRAE – French National Research Institute for Agriculture, Food and Environment, EFIB – European Federation of Soil and Water Bioengineering, BOKU – University of Natural Resources and Life Sciences, Vienna)

More information and the session description can be found in the attached flyer and

here: <https://meetingorganizer.copernicus.org/EGU24/session/48555>

The deadline for submission of abstracts is 10 January 2024 - 13:00 CET.

Further information on abstract submission is available at:

https://www.egu24.eu/programme/how_to_submit.html



SAVE THE DATE

4th TERRAenVISION Conference:

Dates: 8-11 July 2024, Valencia, Spain

Pre-/Post-conference excursions (6-7/12-13 July)

Save-the-date and call for sessions for TERRAenVISION 4 (Valencia 8-11 July 2024) + pre and post conference tours (6-7 and 12-13 July 2024)

Fourth edition will be held in Valencia from 8-11th of July; hosted by the University of Valencia. The conference will be 3 indoor days with inspiring keynotes, scientific talks and posters and interactive workshops to engage with people that are all working on topics related to the theme of our conference: 'Nature-Based Solutions to facilitate the transition for living within the Planetary Boundaries'.

In addition to the 4 days of the conference there is also the possibility to join the pre- and/or post-conference excursions ((6-7 July and 12-13 July). On the website (that will be launched shortly) more information will be given.

TERRAenVISION conference is framed around themes related to the main topic of the conference of this year: 'Nature-Based Solutions to facilitate the transition for living within the Planetary Boundaries'.

They five themes we have this year for our conference are:

1. Nature-based solutions for agriculture and natural areas (soil, water and landscape)
2. Nature-based solutions for natural hazards (Fire, Floods and Droughts)
3. Nature-based solutions for urban and industrial areas (soil, water and spatial planning)
4. Methodologies: how to measure processes and impact of Nature-based solutions
5. Science brokers for transitioning to a climate resilient and circular society

Each theme is kicked off by two plenary keynote speeches of 20 min, followed by a discussion. After the plenary session, various parallel sessions will be organized.



INTERPRAEVENT

2024 - Vienna, Austria **CALL FOR PAPERS OPEN TILL 30 DECEMBER**

The conference INTERPRAEVENT is the professional congress in the field of preventive protection against natural disasters..

2024 the international conference will be held for the ninth time in Austria and for the first time in Vienna. The **INTERPRAEVENT 2024** takes place from **10 - 13 June 2024 at the Conference Center Hofburg Vienna**.

You are kindly invited to **submit a paper** that addresses the theme of the **INTERPRAEVENT 2024**.

TOPICS

Natural hazard processes

The main focus of the conference is on the following natural hazard processes

- debris flows
- floods (fluvial and pluvial)
- forest fires
- landslides (including rockfall)
- snow avalanches

Special attention is paid to the effects caused by climate change, for example extreme weather events, heatwaves and droughts or heavy precipitation on the natural hazard processes.

Furthermore, the following topics related to the natural hazard processes will be considered: glacier and permafrost related risks, erosion and sediment related disasters, cascading events, storm events and protective function of forests.

Sessions

The INTERPRAEVENT 2024 will be organized as a scientific-technical conference with **six thematic sessions**:

- [1\) Climate Change: Drivers, Triggers and Consequences](#)
- [2\) Risk Governance, Policies and Resilience](#)
- [3\) From Observations and Experiments to Modelling and Simulations](#)
- [4\) Hazard and Risk Assessment](#)
- [5\) Structural and Non-Structural Mitigation Measures](#)
- [6\) Emergency Management and Recovery](#)

Global warming and its massive impact on extreme natural disasters is one of the main challenges of our era. Traditional concepts of hazard prevention or disaster management are no longer sufficient in the present, global climatic change requires sustainable social adaptation processes for the protective system. The conference INTERPRAEVENT 2024 is addressing this issue under the overall theme: “**Natural hazards in a changing climate – How to manage risks under global warming?**”.

Call for Student Award

The submission for the **Student Award** is open from 1 June until 1 November 2023

[MORE INFORMATION](#)



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