



EFIB News April 2022 – EARTH'S DAY



Earth's day has been celebrated for more than 50 years.

It was constituted as an appointment with the aim of raising awareness among both the population and the global leaders about the problems affecting our only habitat, the earth, our blue but also green planet.

We celebrate Earth's Day as we know best: sharing knowledge, hope and the will to do better, renewing the desire, in these uncertain times, of improving the understanding of man with nature and man with HIS nature. For peace, always, and for the Earth too.



RESEARCH and NEW PUBLICATIONS

Newsletter: The solid transportation in rivers



This newsletter is dedicated to the solid transportation in rivers. What important role do eroded, transported and deposited solids play in flood events: bedload and solids are of crucial importance, and not only with regard to flood protection and weather damage. They shape the appearance (morphology) and dynamics of our waterways and enable biodiversity. Competent management of solids issues in the planning and implementation of water development projects is therefore of vital importance for us humans and for other inhabitants of aquatic habitats.

[Read on line](#)



Recent innovations in the LaRiMiT risk mitigation tool: implementing a novel methodology for expert scoring and extending the database to include nature-based solutions

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Abstract This paper presents recent innovations implemented in the LaRiMiT (Landslide Risk Mitigation Toolbox) webtool. These include an innovative methodology for utilising experts' scoring of landslide risk mitigation measures directly within the decision support tool and updating of the tool's database over structural measures to include many nature-based solutions (NBS) for mitigating landslide risk.

LaRiMiT uses user-input attributes of site-specific slope movements combined with expert scoring of the suitability of various mitigation solutions to identify and select appropriate mitigation measures from an extensive database of structural solutions. While the LaRiMiT database initially included only conventional (grey) solutions relying on traditional methods, it has been recently expanded to include nature-based solutions (NBS), which are sustainable techniques for managing erosion and mitigating shallow landslides using vegetation and the use of natural materials.

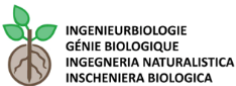
Keywords: Landslide risk mitigation · Web-based toolbox · Expert scoring · Nature-based solutions · Mitigation measures · Soil bioengineering

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[LINK to the article](#)



TRAINING COURSES and MORE



Award ceremony & excursion Emme on May 20, 2022 in Derendingen SO

Annual excursion of the VIB is dedicated to the water price. We would like to invite you to the meeting and award ceremony. The board and the jury are looking forward to the participation of many members and guests.

In the afternoon, exciting insights into the project will be given as part of the specialist excursion.

Location Gemeinde Derendingen, Saalbau Bad, Badstrasse 2

Verein für Ingenieurbiologie VIB Preisverleihung & Exkursion Emme am 20. Mai 2022 in Derendingen SO

[More information](#)



RESTORING NATURE, RECONNECTING PEOPLE CALL FOR PAPERS NOW OPEN

For one week, we will gather in Alicante to assess recent advances in the theory and practice of ecological restoration and discuss future priorities. We invite you to take full advantage of the many events that will be organized under the umbrella of SERE 2022 and contribute to build the European leadership in ecological restoration.

Call For papers Now open till 6 JUNE 2022 [More information](#)

Organizers

SERE 2022 is organized by the University of Alicante on behalf of



and co-organized by



EFIB organize inside the SER Europe Conference the workshop:

Soil and water Bioengineering: a Nature based discipline between grey and green infrastructures

The session presents a wide spectrum of different approaches, from a general overview of the possible applications of Soil and Water Bioengineering (SWB) techniques in ecological restoration to more specific experiences of concrete projects in a very wide diversity of fields: rivers, coastal areas, lagoons, landslides, roads etc. mitigate with innovative and environmentally friendly methods, this serious threat.

[More information](#)



TERRAenVISION 2022:
NATURE-BASED SOLUTIONS TO FACILITATE THE TRANSITIONS
FOR LIVING WITHIN THE PLANETARY BOUNDARIES

SAVE THE DATE!

UTRECHT, THE NETHERLANDS
20-24 JUNE 2022

NATURE-BASED SOLUTIONS TO FACILITATE THE TRANSITIONS FOR LIVING WITHIN THE PLANETARY BOUNDARIES

With sub-themes:

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. Science brokers for transitioning to a climate resilient and circular society
4. Nature based solutions for land and water management in urban and industrial areas (soil, water and spatial planning)

www.terraenvision.eu

ABSTRACT SUBMISSION Submission is deadline until **April 30, 2022**

ABSTRACT REVIEW Notification will be set until **May 15, 2022**.



Impact of global changes on landslide hazard and risk

The **Joint Technical Committee on Natural Slopes and Landslides** (JTC1) of FedICGS is delighted to invite you to join us at the 3rd JTC1 Workshop on Impact of global changes on landslide risk, to be held in Oslo, **Norway on June 7th – 10th, 2023**.

The aim of the Workshop is to promote discussion between scientists and engineers on whether we are capable of predicting and quantifying the expected changes in landslide risk and how we could implement the knowledge gained from academic research on landslide risk management into practice. The advanced topics in focus for the discussions include:

- Rock mass degradation and landslide initiation;
- Climate and anthropogenic impact on landslide risk in various geographic regions, including the Arctic;
- Prediction of landslide mobility and impact footprint, including landslides initiated at mine tailings storage facilities;
- Application of modern remote sensing technologies to landslide risk assessment;
- **Landslide risk reduction strategies: risk mitigation, including early warning and nature-based solutions;**
- Applications of new technologies like machine learning for landslide susceptibility and landslide hazard mapping.

You are invited to submit extended abstracts (up to 4 pages) for oral presentation and short abstracts (max 1 page) for poster presentation. Instructions and templates for abstract submission can be found here.

The deadline for submitting both extended and poster abstracts is 30 June 2022.

For detailed information check the dedicated website at: <https://jtc1-2023.com/>



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