



EFIB News December 2022



Nature – our secret help against climate change

Something is changing in our attitude but still is not enough. After the 27 COP 27 of Sharm el Sheik last November, this month will celebrate the 15-UN Biodiversity Conference In Montreal. All we know that we need more efforts for Nature : a board -based action to bring about a transformation in society's relationship with biodiversity and to ensure that,by 2050, the shared vision of living in harmony with nature is fulfilled. **Hopefully** And as we did all the year long, we want to renewing the desire, in these uncertain times, of improving the understanding of man with Nature and man with HIS nature **A For peace, always, and for the Nature too.**

WORKSHOPS, COURSES and CONFERENCES from EFIB MEMBERS



Bioingeniería del paisaje

AEIP COURSE SOIL AND WATER BIOENGINEERING: INTRODUCTION DECEMBER 14th and 16th GARAI-SPAIN

The objective of this course is to learn about the principles and areas of action of soil and water bioengineering and learn about the main construction methods of bioengineering techniques through a practical workshop.

This 10-hour course will be taught on December 14 (Wednesday) and 16 (Friday)

from 9:00 a.m. to 2:00 p.m.

Place: Garai Culture House. Barrio San Miguel, 11. 48200 Garai (Bizkaia).

PROGRAM AND REGISTRATION

El objetivo de este curso es conocer los principios y áreas de actuación de la bioingeniería de suelos y aguas y conocer los principales método de construcción de las técnicas de bioingeniería a través de un taller práctico.

Este curso de **10 horas** de duración se impartirá el**14 (miércoles) y 16 (viernes) de diciembre** en horario de 9:00 a 14:00 h.

Lugar: Casa de cultura Garai. Barrio San Miguel, 11 48200 Garai (Bizkaia).

PROGRAMA E INSCRIPCIONES



INGENIEURBIOLOGIE
GÉNIE BIOLOGIQUE
INGEGNERIA NATURALISTICA
INSCHENIERA BIOLOGICA



Excursion to visit the hydraulic laboratory and modelisation of the Rhesi

8. december. 2022 - 18-20h

Rhesi-Modellhalle in Dornbirn

Guided and specialized tour through the model hall with an insight into the modeling in the upper section of Rhesi (widening near Koblach, Frutz estuary) and can get an idea of this project of the century. The model will be cleared at the end of December...

- Inspection of the model with the expected morphology of the sole
- First-hand information on the Rhesi flood protection project
- Augmented Reality - Immerse yourself in the future of the Rhine

More information and Inscriptions in www.ingenieurbiologie.ch

Feierabendexkursion am 8.12.2022 von 18-20h

Rhesi-Modellhalle in Dornbirn

Von einer Fachperson geführte Tour durch die Modellhalle, mit Einblick in die Modellierung im oberen Abschnitt von Rhesi (Aufweitung bei Koblach, Frutzmündung) und können uns ein Bild machen von diesem Jahrhundertprojekt. Ende Dez wird das Modell abgeräumt...

Siehe auch: Projekt Rhesi - Modellversuche

- > Besichtigung des Modells mit der erwarteten Morphologie der Sohle
- > Infos zum Hochwasserschutzprojekt Rhesi aus erster Hand
- > Augmented Reality - In die Zukunft des Rheins eintauchen

Auskunft : www.ingenieurbiologie.ch

MURCS+1.5 application is open

Application for the ERASMUS MUNDUS Master in Urban Climate and Sustainability MURCS+1.5 is open again for the academic year 2023/24.

Deadline is January 15, 2023. Open to graduate students from all over the world.

Presentations of the academic programme, questions and answers as well as information of our teaching activities are available on <https://murcs.eu/> as well as a recent newsletter: https://murcs.eu/wp-content/uploads/MURCS_Newsletter_2022_2.pdf

For those who are interested, there is a simple eligibility check which avoids having to enter too many details or documents in the first phase of the application.

As in previous years, the MURCS-students who were admitted this year represent various academic fields, diverse professional, ethnic and cultural backgrounds and high personal motivation to get involved in climate-oriented sustainable urban development

This two-year master's degree is organised by Glasgow Caledonian University (UK) LAB University of Applied Sciences (Finland) , University of Huelva (Spain). University of Applied Sciences Dresden (Germany)

Students are required to have a first academic degree and at least two years of full-time professional experience in fields relevant for sustainable urban development as well as good knowledge of English. <https://murcs.eu/>

RESEARCH and NEW PUBLICATIONS



This volume is the result of the professional course "I.N. 2.0_ Innovations in Naturalistic Engineering" organized in 2021 by Prof. Federico Preti at the University of Florence - Department of Agricultural, Food, Environmental and Forestry Sciences and Technologies, in collaboration with the Italian Association for Naturalistic Engineering AIPIN . More than twenty authors, listed in the Index, were mainly professors of the Course, who interacted interdisciplinarily with each other, with the coordination of F. Preti, R. Saracino and A. Signorile, but remain responsible for the contents of the texts. It was born with the aim of deepening and disseminating the technical and technological innovations of Soil and Water Bioengineering according to the program of the Professional Course.

https://www.aipin.it/wp-content/uploads/2022/09/Manuale_I.N.2.0_con-copertina.pdf

Questo volume è il risultato del corso professionale "I.N. 2.0_ Innovazioni nell'Ingegneria Naturalistica" organizzato nel 2021 dal Prof. Federico Preti presso l'Università degli Studi di Firenze - Dipartimento di Scienze e Tecnologie Agrarie, Alimentari, Ambientali e Forestali, in collaborazione con l'Associazione Italiana di Ingegneria Naturalistica AIPIN. Più di venti autori, elencati nell'Indice, sono stati principalmente docenti del Corso, che hanno interagito in modo interdisciplinare tra loro, con il coordinamento di F. Preti, R. Saracino e A. Signorile, ma restano responsabili dei contenuti dei testi. scopo di approfondire e diffondere le innovazioni tecniche e tecnologiche della Bioingegneria del suolo e delle acque secondo il programma del Corso Professionale.



Institut für Ingenieurbiologie und Landschaftsbau
(IBLB)

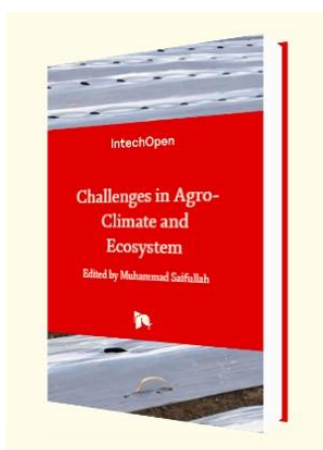
Rauch, HP; von der Thannen, M; Raymond, P; Mira, E; Evette, A.

(2022): Ecological challenges for the use of soil and water bioengineering techniques in river and coastal engineering projects

ECOL ENG. 2022; 176, 106539 [FullText](#) [FullText](#) [BOKU](#)

Abstract: A major challenge for the modern river and coastal management is a holistic design approach in order to integrate flood and erosion protection combined with ecological restoration. Nowadays, a lot of EU regulations request nature-based engineering solutions such as soil and water bioengineering techniques.

INTERCH OPEN Challenges



Due to an increasing population and rapid urbanization, crop production demand is high, and global food security is at risk. Challenges such as rising temperatures and environmental degradation need to be addressed quickly and effectively. This book discusses agriculture, climate change, and the ecosystem in the context of the United Nations Sustainable Development Goals. Chapters examine the various types of environmental stressors that negatively impact crop yield (drought, salinity, high temperatures) and how to mitigate them. They also present case studies from different parts of the world.

Edited by Muhammad Nawaz, Guillermo Tardío and Solobodan B. Mickovski



DWA-M 620-2- BAUWEISEN AN FLIESSGEWÄSSERN (01/2022)



DWA-M 620-2 leaflet - Bioengineering construction methods on watercourses - Part 2: Planning, implementation and success control - January 2022

The leaflet specifies standards for the selection, planning and application of bioengineering construction methods in hydraulic engineering. On the one hand, this should enable the solution of complex tasks that require a classic planning process with several successive service phases. On the other hand, the leaflet also gives the basics for simple planning and implementation of tasks that can be solved by the maintenance load carrier himself.

The focus is on bioengineering construction methods on inland watercourses such as streams, rivers, streams and ditches, primarily in hills and mountains.

Merkblatt DWA-M 620-2 - Ingenieurbiologische Bauweisen an Fließgewässern - Teil 2: Planung, Umsetzung und Erfolgskontrolle - Januar 2022

Das Merkblatt benennt Standards für die Auswahl, Planung und Anwendung ingenieurbiologischer Bauweisen im Wasserbau. Damit soll einerseits die Lösung komplexer Aufgabenstellungen, die einen klassischen Planungsprozess mit mehreren aufeinander folgenden Leistungsphasen erfordern, ermöglicht werden. Andererseits gibt das Merkblatt ebenfalls die Grundlagen zur einfachen Planung und Umsetzung von Aufgaben, die vom Unterhaltungslasträger selbst gelöst werden können.

Behandelt werden schwerpunktmäßig ingenieurbiologische Bauweisen an Fließgewässern des Binnenlands wie Ströme, Flüsse, Bäche bis hin zu Gräben, vorrangig im Hügel- und Bergland.

SWB whitout borders and EFIB FRIENDS



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Instituto de Investigación Desarrollo Sostenible en Armonía con la Naturaleza, IINDESAN
ISIMA Universidad México



Invite you to the

III INTERNATIONAL WEBINAR

Sustainable Development Goal (SDG) 17: Partnership for the GOALS

11:00 hrs. CDMX*

14:00 hrs. Argentina

18:00 hrs. España

Saturday 10th DECEMBER 2022

WEBINAR ONLINE FREE . language SPANISH

Live facebook of Red Educa Verde: <https://www.facebook.com/RedEducaVerde/>

[PROGRAM](#)



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ISIMA Universidad México

Invitan al
3er. Webinar Internacional:
"ODS 17. Alianzas para lograr los objetivos"



11:00 hrs. CDMX*
14:00 hrs. Argentina
18:00 hrs. España

SÁBADO 10 DICIEMBRE 2022

Evento ONLINE GRATUITO. Se transmitirá en vivo por la página de facebook de la Red Educa Verde: <https://www.facebook.com/RedEducaVerde/>

PROGRAMA



www.efib.org