COURSE 5th SEPTEMBER inside the SERE CONFERENCE – UA University

Introduction to Soil and Water Bioengineering for ecological restoration

Coordinator(s): Sangalli P. (EFIB); Arizpe D. (AEIP/CIEF/Vaersa), Pirrera G. . (AIPIN), Rosemarie Stangl (BOKU-IBLB)
Main coordinator E-mail: efibioengineering@gmail.com

Click here for REGISTRATION:

University of Alicante -Faculty of SCIENCE Building nº 07 -FASE 4- 03690 Sant Vicent del Raspeig, Video Class-First floor

Phone: 629734734

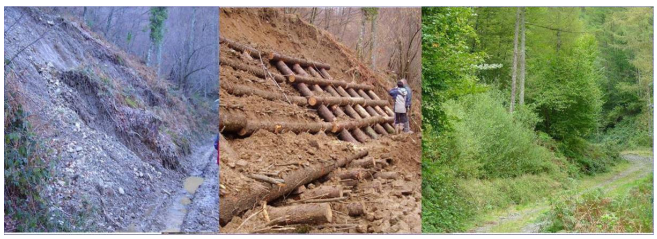
www.sere2022.com **COST: 20,00 €**

Draft program:

Soil and Water Bioengineering (SWB) is a discipline that combines technology with biology, making use of native plants and plant communities as construction material and erosion control in degraded environments. It pursues technological, ecological, economic and landscape regeneration goals.

The fields of application are numerous, including the restoration of the natural environment of extractive activities (mining, quarrying), infrastructure (motorways, railways), riverbeds, dunes and coastal areas, and of lost ecosystem in urban and peri-urban areas. Although these techniques have a huge potential combined with other techniques of ecological restoration, there is still a deficit in knowledge and training of technicians and professionals, both in projects and in the implementation.

The proposal that we present is to organize a practical course in soil bioengineering coinciding with the celebration of the 13th SER Europe Conference of Ecological Restoration.



Landslide stabilisation in Forestry -P. Sangalli

The aim of this course is to introduce the audience in the techniques of Soil and Water Bioengineering with a duration of 8 hours divided in two parts: The first part is devoted to theory while in the second part will be held a practical workshop in which the participants will construct 1:20 scale models of the following techniques: living wattle fence, living brush mattress, fascine, vegetated log crib wall and living grid.

This proposal has been prepared by the Spanish Association of Landscape Engineering (AEIP), the Italian Association of Naturalistic Engineering (AIPIN) and has the support of the European Federation of Soil Bioengineering.

Teachers: members of AEIP , AIPIN and EFIB

- Daniel Arizpe: Agriculture Engineer Centre of Applied Forest Research (CIEF) /AEIP board of member
- Gianluigi Pirrera: Civil Engineer Vice President AIPIN /EFIB Board of members
- Paola Sangalli - Landscape architect and Biologist and President of the European Federation of Soil and Water Bioengineering- AEIP . Course coordinator
- Rosemarie Stangl: head of the Soil and Water Bioengineering Institut BOKU /EFIB General Manager

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Course Objectives:

- Know the principles and action areas of Soil and Water Bioengineering
- Know the main techniques used in both field level and in river slope stabilization
- Using the model workshop at 1:20 scale in order to explain the main construction methods of Soil and Water Bioengineering techniques

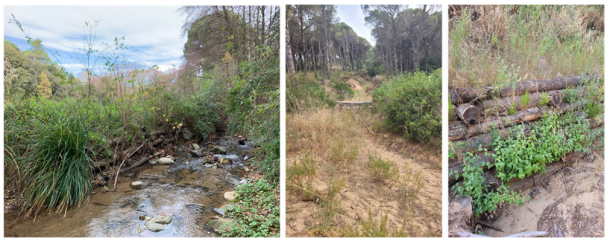
Duration: 8 hours Morning 8:30-13:30 Afternoon : 15:00-18:00 **Languages**: -

Detailed program:

20/08/2011 Morning 9:00 -13:30 Theorical Session

9:00- 9:30	Course presentation Paola Sangalli
9.30-10:00	Principles for the implementation of Soil and Water Bioengineering techniques Paola Sangalli
10:00 to 11:00	SW Bioengineering Techniques Paola Sangalli
11:00 to 11:30	Coffee Break
11:30 to 12:30	Techniques in river restoration Gianluigi Pirrera
12:30-13:30	From project to implementation in the Mediterranean area. Daniel Arizpe

River rehabilitation in urban Area with Soil Canal Artía Irun G Vasco. Foto:P. Sangalli



Mediterranean River restoration Foto. A.Sorolla

***Afternoon 15-17:00 Practical* Workshop in groups of 8-10 people**

15:00:16:30	Organisation of a work: Selection of plant material, preparation of the work and the plant material, fascine construction Construction simulation with 1:20 scale models of principal techniques Rosemarie Stangl , Daniel Arizpe , Paola Sangalli, Gianluigi Pirrera
16:00-17:00	asking questions, summary, conclusions, and evaluation

AEIP Bioingeniería del paisaje AIPIN EFIB SER EUROPE

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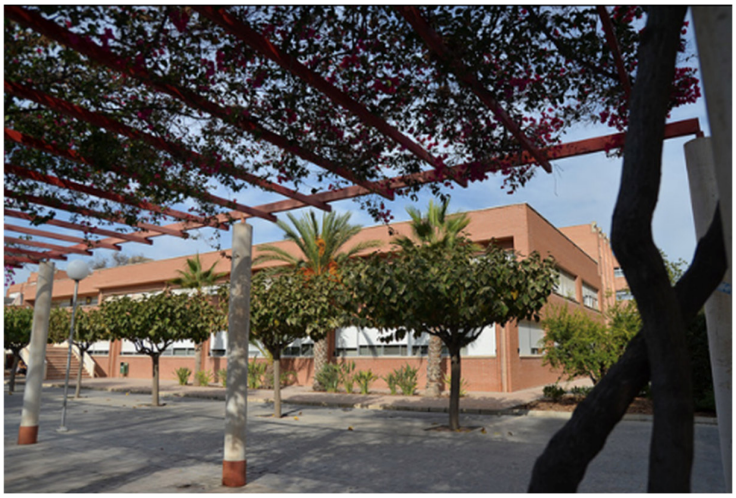
13th SERE CONFERENCE
5th – 9th SEP 2022
ALICANTE, SPAIN

Practical Workshop EFIB

LOCATION

University of Alicante -Faculty of SCIENCE Building nº 07 -FASE 4- 03690 Sant Vicent del Raspeig



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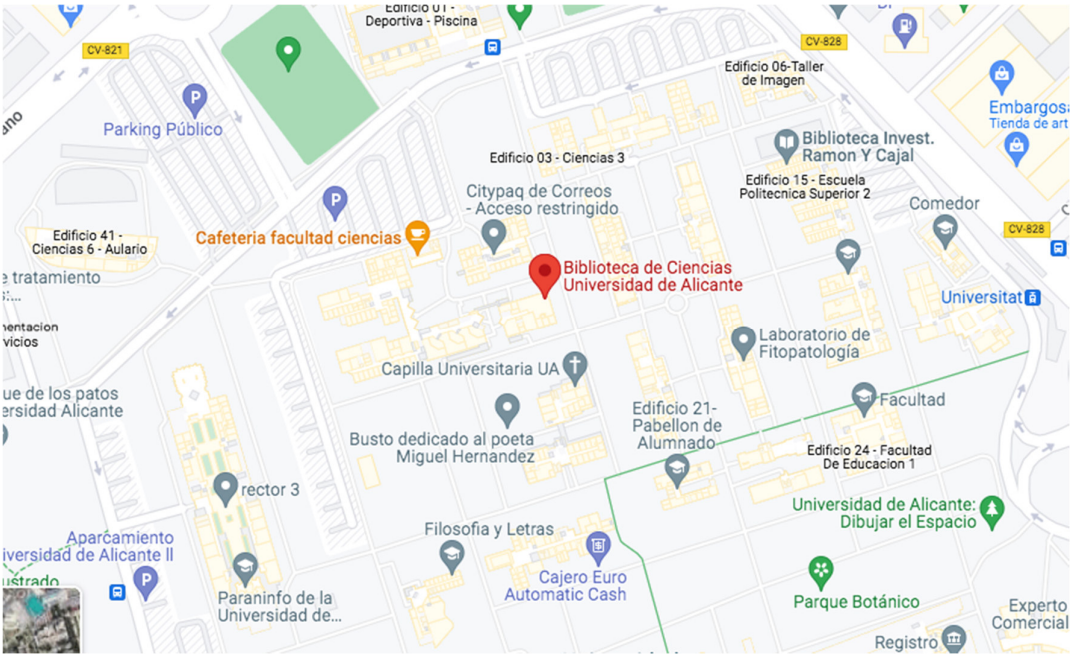

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