

Course



The 3rd of September 2021 -9:00-11:00

Course: Introduction to Soil and Water Bioengineering for ecological restoration

Coordinator(s): Sangalli P. (EFIB); Arizpe D. (CIEF/Vaersa), Cornellini P. (AIPIN)

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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 very large, including the restoration of the natural environment of extractive activities (mining, quarrying ...), infrastructure (motorways, railways...) riverbeds, dunes and coastal areas, urban areas...

Although these techniques have a 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 course will celebrate coinciding with the celebration of the 12th SER Europe Conference of Ecological Restoration



Slope stabilisation in Forestry -P. Sangalli

Course

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Detailed program:

Part I 9:00-11:00 Soil and Water Bioengineering for ecological restoration

Course presentation Paola Sangalli

- 30 minutes** Principles for the implementation of soil Bioengineering techniques Paola Sangalli
- 30 minutes** Soil and Water Bioengineering Techniques in river restoration Paolo Cornelini From project to implementation
- 30 minutes** Soil and Water Bioengineering Techniques in the stabilization of slopes Guillermo Tardío From project to implementation

Discussion



River rehabilitation with Soil and Water Bioengineering Techniques P. Sangalli

Part II: 11:30-13:30 Soil and water Bioengineering applied to Mediterranean Area

Course presentation Paola Sangalli

- 30 minutes** State of art of The Soil and Water Bioengineering in the Mediterranean area. Gianluigi Pirrera
- 30 minutes** Strategies to implement the vegetation in the SWB techniques in Mediterranean area Daniel Arizpe
- 30 minutes** Soil and Water Bioengineering in river restoration in Mediterranean area Albert Sorolla

INSCRIPTIONS

<https://www.sere2021.org/index.php/programme-speakers/pre-conference-courses>