



IX CONGRESO INTERNACIONAL BIOINGENIERÍA del Paisaje
INTERNATIONAL CONGRESS EFIB /AEIP Soil and Water BIOENGINEERING

Del río a la bahía,
ibaitik badiara,
from the river to the bay

Donostia San Sebastian 9,10,11 Noviembre November 2016-SPAIN



PROGRAM CONGRESS OCTOBER 2016

The Spanish Association of Landscape Engineering, AEIP, in collaboration with the European Federation of Bioengineering Landscape (EFIB), the city of San Sebastian and sponsored by the Basque Water Agency (URA) organize from **9 to 11 November the IX International Congress of Soil and Water Bioengineering : del río a la bahía, ibaitik badiara, from the river to the bay -Soil and water Bioengineering in the European Capital of Culture 2016.**

Organizan



Patrocina



turn of
A river is not merely a riverbed but a whole watershed system. It is, indeed, a complex system formed by many geomorphological and demographical elements which in keep a delicate equilibrium with each other. Hence the necessary multidisciplinary nature any teamwork intervening in such complex scenarios. Such cross-functional team works comprise practitioners with different expertise areas and approaches but all working together and keeping in mind the population who live in and by the river system.

recovering a
quality but also
ecosystems (flora and
fluvial space
essential a close
suffer the
Nowadays, there is a sound conviction all over Europe about good ecological state of our rivers. This implies not only restoring water river morphology and a river functioning compatible with both fluvial fauna) development and flood risk control activities. In the end, the restoration is proposed and for suitably embrace that aim it is clearly collaboration with the river system inhabitants who originate and consequences of such river system space occupation.

Along with
emphasizing the
ordinary citizen
citizenship to
an engage
so crucial
as the
needs,
evolution
the morphological, hydrological and ecological restoration, the need for social restoration is gaining strength and this means to achieve the involvement with the fluvial system and, in doing so, allowing the better understand the fluvial system functioning and to actively participate in both the management and the decision making processes. This is why it is working both at a cultural level and at a social awareness level. Furthermore, a empowering people strategy is a process as complex very river system and it necessarily engages knowing the river raising awareness about the river identity and knowing its throughout history.

In the course of the
activities framed in the
fluvial bioengineering playing a
made a joint effort in the
organization which will be held on
duration of three days. The first day
Hence, watershed management, fluvial
intervention in urban environments will be the
the event during the first day and the most relevant
interventions related to the former fields will be
2016, the AEIP and the EFIB have carried out a series of Donosti2016 European Cultural Capital schedule with leading role. As a key outcome, both organizations have International Soil Bioengineering Conference November 2016. The conference will have a will be dedicated to the water and the river. restoration and fluvial central issues of works and presented.

In the second day, other bioengineering works not limited to fluvial scenarios
will be presented. Finally, during the third day, there will be a visit to Urumea river watershed. Particularly, the fluvial bioengineering works built throughout the Donosti
2016 Cultural European Capital bioengineering workshops will be visited and in situ
analyses of the outcome of such interventions (Goizueta, Astigarraga and Hernani) will be carried out.



The 11th AEIP conference coincides with the 10th EFIB conference and the 20th EFIB anniversary.



WEDNESDAY, NOVEMBER 9th 2016

9:00 - 9:30 **Registration**

9:30 - 10:00 **Oppening Session**

Presentation of Congress

10:00 - 10:15 PAOLA SANGALLI (EFIB / AEIP)
From de river to the bay. Soil Bioengineering in DSS2016 EU Capital Europe

Plenary lecture

10:15 -11:00 FLORIN FLORINETH (Universidad BOKU-Viena)
Urban river revitalisation

11:00 - 11:30 **COFFE BREAK**

River restoration, wetlands and coastal areas

11:30 - 12:15 GIOVANNI DE CESARE (École Polytechnique Fédérale de Lausanne. EPFL Verein für Ingenieurbioologie)
Evolution of a restored river course and alternative measures to correct unintended effects

12:15 - 12:30 MARTA TOBELLA (University of Barcelona)
Restore to improve water quality in rivers

12:30 -1 2:45 ALFONSO CALVO (Confederación Hidrográfica del Ebro)
Experiences in river restoration in the Ebro basin

12:45 - 13:00 EVA HACKER (University of Hannover)
Back Water and Fish Passage at the River Neckar in Ludwigsburg "Zugwiesen"

13:00 - 13:15 KLAUS PEKLO (ICE)
River engineering - design and project managing for river ecosystem restoration - Practical examples in the field of soil and water bioengineering

13:15 - 13:30 CARLA ROLO ANTUNES (Universidad de Lisboa)
Sorraia's valley Restoration project - strategies, problems and experiences

14:00 - 15:30 **WELCOME LUNCH IN THE PALACIO MIRAMAR**

15:30 - 16:00 BERNARD LACHAT (BIOTEC)
Revitalization projects in the Rhine River (VIDEO)

16:00-16:15 ALBERT SOROLLA (Naturalea)
Stormwater basins, islands of biodiversity



- 16:15 - 16:30** MIQUEL RIBOT (CEAB-CSIC)
Evaluation of bioengineering techniques used in river restoration from a functional perspective
- 16:30 - 16:45** HENNING GÜNTHER (University of Leibniz)
A process-oriented approach for the development of lakeshore habitats
- 16:45 - 17:00** ASTRID SUBATZUS (Subatzus y Brikmann)
Restoration of the Puhlstrom river in Brandenburg, Germany
- 17:00 - 17:30** POSTER
- 17:30 - 17:45** ALBERTO PIETROGRANDE (Universidad de Lisboa)
Soil bioengineering in the mediterranean environment, the study case of the entrance path to *Praia do Telheiro* (Southwestern Coast of Portugal)
- 17:45 - 18:00** VALENTÍN CONTRERAS (BSP group)
Training and social participation in the erosion control projects
- 18:00 - 18:30** ROUND TABLE
- 19:00 - 21:00** **CONFLUYENDO : Ibaitek badiara. From de river to the bay.
Del río a la bahía. Aquarium de San Sebastián**



THURSDAY, NOVEMBER 10th 2016

River management and citizen participation

- 9:00 - 9:15** **JOSU PEREA (URA. Agencia Vasca del Agua)**
Cooperation among concerned institutions aimed to establish conservation-works on riverbeds and riverbanks
- 9:15 - 9:30** **MIREN NEKANE VIZCAY URRUTIA (Gobierno de Navarra)**
Public participation processes regarding the Bidasoa river in Navarre: Life Irekibai Project (2015-2020)
- 9:30 - 10:00** **GIOIA GIBELLI (Asociación Italiana de Ecología del Paisaje. Studio Gbelli)**
The sustainable management of water for the anthropogenic landscapes

Linear infrastructures and extractive activities

- 10:00 - 10:30** **CARLO BIFULCO (APENA)**
A new Soil Bioengineering technique. The vegetated bench "The Portuguese"
- 10:30 - 10:45** **MONTSERRAT JORBA (University of Barcelona)**
New approaches in the restoration of mining areas
- 10:45 - 11:00** **GIANLUIGI PIRRERA (AIPIN)**
Naturalistic hydroseeding
- 11:00 - 11:30** COFFE BREAK

Hydroforest restoration, activities in mountain áreas, slope stabilization

- 11:30 - 12:00** **GIULIANO SAULI (AIPIN. Naturstudio)**
Erosion control, revegetation and carbon sequestration on mountain rocky streams by means of soil bioengineering techniques in northeastern Italy
- 12:00 - 12:15** **ALEJANDRO CANTERO (HAZI Fundazioa)**
Wood dikes to control the erosion in mountain streams Oñati (Gipuzkoa)
- 12:15 - 12:30** **ANABELA PEREIRA (University of Lisbon)**
Landslide mitigation on a sandy fossil scarp on the southern bank of tagus river, near Lisbon (Portugal)

Ecological restoration

- 12:30-13:00** **CAROLINA MARTÍNEZ (SER Europe UVA-IAP)**
Ecological restoration: towards the common objective to improve our environment



13:00-13:30 MERCÉ PLANAS (Generalitat of Catalonia)
Towards No Net Loss of Biodiversity in Environmental Assessment: Compensatory Measures and banks of Nature Conservation in Catalonia

CITY TOUR

15:30 -1 6:00 MAURICIO BALENSIFER (Universidad de Paraná SOBRADE)
State of art of the restoration of degraded areas in Brazil

16:00 - 16:30 CÉSAR PÉREZ (Gobierno de Navarra)
Mink Territory , when the river restoration starts from the Wildlife .

Research, techniques, materials, modelisation and calculation

16:30 - 17:00 ROSMARIE STANGL (BOKU-Viena University)
Root revolution: below ground architecture of layer constructions

17:00 - 17:30 POSTER

17:30 – 17:45 GUILLERMO TARDÍO (AEIP, Technical University of Madrid)
New tools for eco-engineering slope stability design

17:45 - 18:00 JOAQUIM BOSCH (Fundació de la Jardineria i el Paisatge)
NTJ 12S la normativa técnica de las técnicas de Bioingeniería

18:00- 18:15 ROBERTA CALVO (AIPIN, Università di Palermo)
Organic waste materials for bioengineering works

18:15 - 18:30 PERE SANZ (TALIO, S.A.)
Soil and Water Bioengineering ... we're going to put together! Examples and synergies with non-organic elements

18:30 - 18:45 SLODOBAN MICKOVSKI (Glasgow Caledonian University)
Hydrological and mechanical effects of vegetation on soil strength

18:45:19:00 ROUND TABLE

19:00 - 19:30 [Conclusions and closing ceremony](#)

19:30 [General Assembly of Members](#)



FRIDAY, NOVEMBER 11th 2016

Excursión IBAITIK BADIARA, From de river to the bay Goizueta, Ereñozu, Hernani, Astigarraga, Donostia San Sebastian

9:00 Meeting point at Hotel Codina – Avenida de Zumalakarregi 21-20008–Donostia San Sebastián

9:15-10:30 Travel by bus to Goizueta

10:30-12:00 GOIZUETA Guided visit to the bioengineering works carried out in this town



12:00-12:30 Travel by bus

12:30-15:00 Ereñozu /Fagollaga /Hernani Visit to soil bioengineering works Pic nic/lunch on the go



15:00 Travel by bus to Astigarraga- It might be possible arriving at San Sebastian Station at 15.30

15:30-16:00 Astigarraga Visit to the Oialume wetland works



16:30 Travel by bus to Martutene

16:30-17:00 Visit to the ongoing works in Martutene URAgentzia technicians, Basque Water Agency

17:30 Travel by bus to San Sebastián End of the excursion



USEFUL INFORMATION

CONGRESS VENUE -

The conference will take place in the Palacio de Miramar, in San Sebastián, European Capital Culture 2016

LANGUAGES Official languages of congress: Spanish and English **SIMULTANEOUS TRANSLATION during all the conference**

PRICES (21%) Tax not included

AEIP and EFIB members	200,00 €
Members of Partners associations	230,00 €
Others	250,00 €

Check list of partners associations and collaborating entities on the web

SUBSCRIPTION

MORE INFORMATION

<http://congreso.aeip.org.es//>

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