

## Second Panel: Forest landscape restoration in sites under erosion treat

15.35-15.50 *FAO's Forest and Landscape Restoration Mechanism - helping countries reduce erosion, restore degraded forest and improve food security* - Douglas McGuire (FAO - Forest department)

16.50-16.05 *Propagating Target Plant Materials to Reduce Soil Erosion* - Kasten Dumroese (USA - Forest Department)

16.05-16.20 *Landscape Restoration In Mountain Areas* - Anna Giorgi (Università della Montagna)

16.20-17.05 *IUFRO Task Force: Forest adaptation and restoration under Global Change* - Donato Chiatante (Università dell'Insubria )

## Third Panel: The point of view of landscape architects and stakeholders

17.05-17.20 *Landscape Architecture as Land Protection Measure* - Maria Concetta Zoppi (Università di Firenze)

17.20-17.35 *Economic policy and private investments in environmental protection* - Federico Vecchioni (Managing Director of Bonifiche Ferraresi, Società Agricola per Azioni)

**You are cordially invited for drinks and refreshments following the end of the conference**

### Comitato scientifico:

Donato Chiatante, Bartolomeo Schirone, Antonio Montagnoli, Consolata Siniscalco, Roberto Mercurio.

### Comitato organizzatore:

Donato Chiatante, Antonio Montagnoli, Bartolomeo Schirone, Mattia Terzaghi, Rosaria Santamaria, Nicoletta Fulgaro, Oriana Argentino, Barbara Baesso, Angelica Alioli, Daniela Zenga, Raffaella Ortolani e Manuela Mechilli.



BONIFICHE  
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SIRF  
Società Italiana di Restauro Forestale



Regione  
Lombardia

# Forest Landscape Restoration: a new approach to mitigate soil erosion

24<sup>th</sup> October 2015



Italy Pavilion - EXPOMilan



UNIVERSITÀ DEGLI STUDI  
DELL'INSUBRIA



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ZEPHYR



## About the conference

Soil erosion and forest degradation are both interdependent aspects of the same problem and the foreseen worsening of environmental stressors due to global changes will worsen this problem in all continents. Therefore, any attempt to mitigate soil erosion cannot be set up without taking into consideration the condition of the forest cover of a certain territory. In regard to this it cannot be overlooked that a high percentage of the world's forest are in a condition of considerable degradation and therefore it becomes necessary that any action to arrest soil erosion must start from forest restoration. The selection of "functionally suitable" plant species able to mitigate soil erosion while performing their own specific role, it could represent one of a sustainable strategy for forest restoration. This approach could also supplement the adoption of "forest assisted migration" strategy. The combination of soil erosion mitigation with forest restoration could succeed not only to protect the natural capital of a territory but also could contribute to the economical development of its population. These fundamental principles which inspire a modern vision of FLR (Forest Landscape Restoration) fully integrated in the widest concept of "green economy" will be discussed in this conference. In particular the conference is divided in two main panels. After an initial conceptual introduction to the conference will focus upon the general concept of soil erosion and will provide examples of sustainable strategies adopted to increase soil protection through the development of an efficient forest cover. The conference will discuss how to exit from a theoretical context in order to design useful policy guidelines for public and private stakeholders responsible for implementing this new approach against soil erosion.

## Themes in discussion

- Factors driving soil erosion in presence of a foreseen worsening of climate changes
- Measures potentially effective to arrest decay of watershed management
- Efforts made by international organizations to stop soil erosion in developed and underdeveloped countries
- Forest and Landscape Restoration as a tool to arrest loss and degradation of both natural resources: forests and soils
- Example of landscape restoration in mountain areas
- IUFRO task force for forest restoration
- Involvement of populations in landscape restoration
- Transformation of landscape restoration in a new opportunity of economic development in a context of green economy policy

**English-Italian simultaneous interpreting**

## PROGRAMME

**14.30-14.50**

### Welcome

Roberto Maroni (Lombardia Region Governor)

Alberto Coen Porisini (Rector of Insubria University)

Alessandro Ruggeri (Rector of Tuscia University)

### Conference Concept: Environmental restoration and ZEPHYR technology.

Bartolomeo Schirone  
(Vice-President - Società Italiana di Restauro Forestale /SERE)

Consolata Siniscalco (President - Società Botanica Italiana)

### First Panel: The challenge of soil erosion in a global changes context

14.50-15.05 *Soil erosion: driving factors and landforms in a global change context* - Pasquale Borrelli (European Commission JRC), Giuliano Rodolfi e Michael Mærker (Università di Firenze)

15.05-15.20 *Climate change and disaster risk addressed with an ecosystem based approach. Multilateral negotiations and success stories in Italy* - Lorenzo Ciccacese and Alessandro Trigila (ISPRA)

15.20-15.35 *Origin, development, and decay of watershed management* - Salvatore Puglisi and Francesco Gentile (Università di Bari)