

**Interreg
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1ST INTERREGIONAL THEMATIC SEMINAR (1ITSE)

The Compensative Ecological Evaluation (Marche, Italy)



Seville, 20th of June of 2023

1. Background

2. Legal framework

3. Objectives

4. Implementation

5. Challenges & Lessons learned

6. Results achieved

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Environmental evaluation and compensation

- **The realization of project or the planning of land use can imply transformation in soil use, with removal or damage to natural systems, and the consequent reduction in carbon absorption**
- **Environmental evaluations are the tools to assess the potential damage preliminary to the realization of the transformation and to identify adequate compensation measure**



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Mechanism for environmental compensation

- 1. The National Act D.lgs 152/2006 (environmental law): compensation in strategic environmental assessment and environmental impact assessment procedures**
- 2. Regional law n. 11/2019: application of the D.lgs 152/2006 at regional level.**
- 3. Regional law n. 71/1997; mechanisms for compensation of forests (in mining activities).**
- 4. Regional law n. 6/2005 (forest law) introduces the obligation of compensation in case of reduction of forest surface.**



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Compensating the ecological value

To introduce mechanism to quantify the compensation in term of “ecologic value”, not only for forests but for the reduction of any natural surface.



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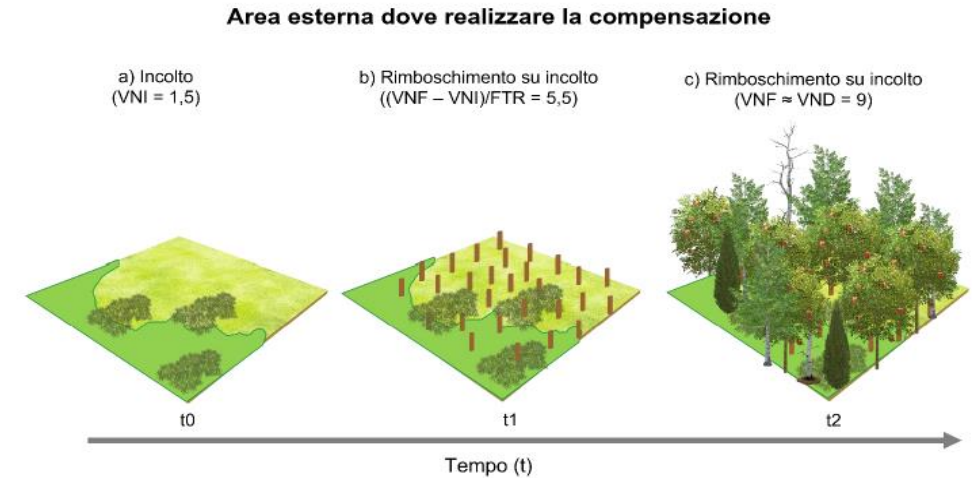
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Implementation

Compensative Ecological Evaluation

- **A methodology for the quantification of the compensation based on ecologic value (VEC – Valutazione Ecologica Compensativa) was developed within a protocol between Marche Region and Università Politecnica delle Marche. The methodology was approved with Regional act 780/2023.**
- **During the implementation the method was tested in some practical cases (es. Railways work in Natural Park Gola della Rossa)**
- **About timing:**
 - **Method implementation required 2 years (with tests).**
 - **For the application to real case, usually from 2 to 5 years**



$$ABN_{min} \frac{AD \times VND \times FE \times FC \times D}{\frac{VNF - VNI}{FTR}}$$

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Technical and regulatory challenges

- 1. From a regulatory point of view, the application of the VEC interacts with the current regional legislation on forest management. To ease the process, a modification to the forest law has been proposed and it is under approval.**
- 2. From a technical point of view, the application of the method requires specific competences on ecology. Training courses for evaluators and operators are planned.**



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The VEC methodological approach

The Compensative Ecological Evaluation (VEC) method has been approved with act of the regional assembly n. 780 of 05/06/2023.

This approach allows introducing nature-based solution every time a project or a plan is expected to damage or to modify the ecological value of an area, enhancing in the meantime the carbon stock capacity of the natural systems.





It's QUESTION TIME!!





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