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Integrated evaluations for exploring the resilience of wine regions and future perspectives

ABSTRACT

This piece of research deals with the evaluation of the resilience of a wine region (Douro Valley, Porto wine production) from the point of view of landscape, ecology and economics.

After a short presentation of the mathematical model for ecological evaluation and of the resilience indicators we show the results of the 19 Landscape Units included in the Douro Valley region.

New perspectives for the construction of mathematical models will be shown in order to give a quantitative measure of the resilience of an environmental system.



Thursday

30/01/2020

h. 13,00 - 14,00

Sala Vigliano - DIST
Castello del Valentino
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BIOGRAPHY

Vanessa Assumma is a Ph.D. student in Urban and Regional Development at Interuniversity Department of Urban and Regional Studies and Planning, Politecnico di Torino, Italy. Scientific interests on Regional and Urban Economics, Planning Evaluation, Scenario building and Mathematical Models in Environmental Sciences.

Roberto Monaco is a Former Full Professor of Mathematical Physics at Politecnico di Torino, Italy. Scientific interests on Kinetic Theory of Gases, Wave Propagation Problems in Hyperbolic Systems, Mathematical Models and Dynamical Systems in Environmental Sciences.

Ana Jacinta Soares is an associate Professor at the Mathematics Department and member of the Centre of Mathematics of the University of Minho, Braga, Portugal. Ph.D. in Mathematics. Scientific interests on Kinetic Theory of Gases, Differential Equations, Mathematical models in Applied Sciences.

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