

Flood Exposure of Environmental Assets

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EEF₂: 33%

EEI₂: 4,8

PhD program in Civil and Environmental Engineering





Flood exposed environmental assets - L2 analysis

RAMSAR

Lakes p500m
Coastal territories

Lake buffer areas

Groundwaters
Rivers

Wildlife protection areas

UNESCO

Wildlife restocking areas

Regional parks

Natura 2000

Karst springs

Karst forms
National reserves

Agricultural areas with landscape

and cultural significance Natural sinkholes

Monumental trees

Areas of archaeological interest

Areas inside historical landscapes

Provincial reserves

Water springs

Woods and forests

Areas of high public interest

Wildlife protection oasis

MTB tracks

Viewpoints

Provincial parks

Tracks naturalistic network

National parks

Gas emittings

Cave entrances

Glacial circus

Mountains higher than 1200m

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Develop a **non-econo-centric** method for the assessment of the flood exposure of the environmental assets

Current issues:

- No existing standard
- Often neglected or marginally considered in flood risk assessments
- Intangible values
- Subjectivity

Regulating

Complex commodification

Environmental assets



Listing relevance	
Local	National
Regional	International
ES main category	
Supporting	Provisioning

Cultural

EEI Overall Environmental asset Exposure: expresses the flood exposure of the assets for a reference area.

25

50 km

EEF Exposed Environmental Fraction: describes, in percentage, the exposed value with respect to the maximum total value (EV) of the assets in the area.