



Challenges at the interface between water and ecosystems | RESTORE4Cs project

Ana Lillebø



universidade de aveiro
theoria poiesis praxis



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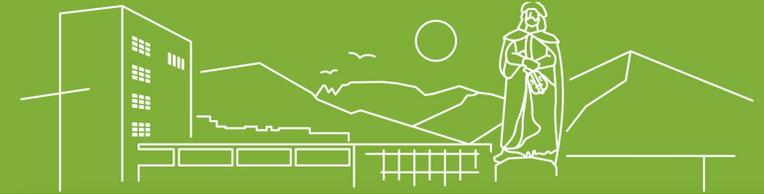
eurac
research



Institute of
Atmospheric Pollution
Research
National Research Council of Italy



European
Commission



RESTORE4Cs - Modelling Restoration of wetlands for Carbon pathways, Climate Change mitigation and adaptation, ecosystem services, and biodiversity, Co-benefits

Consortium

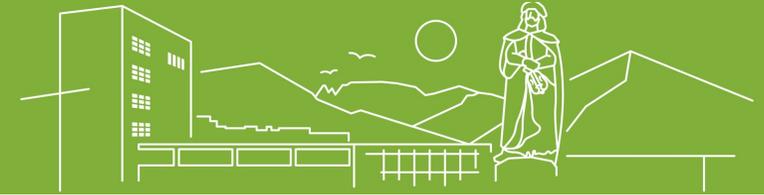


Case pilots



Addressing *climate change*,
biodiversity loss and *habitat degradation*
towards the *sustainable management*
of European wetlands.

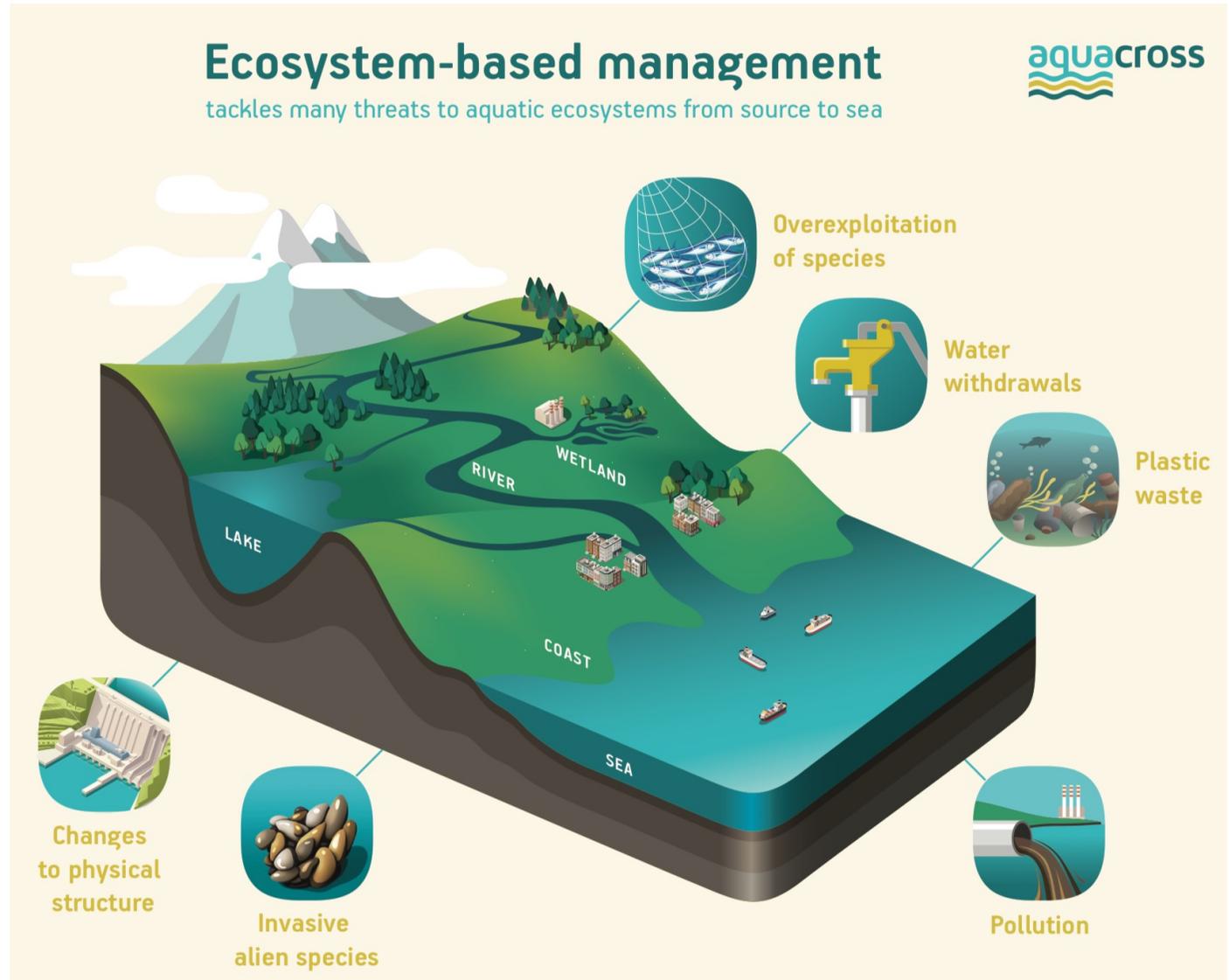


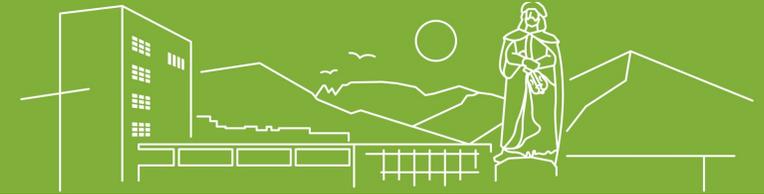


Land sea
continuum
spatial scales

Aquatic realms
continuum

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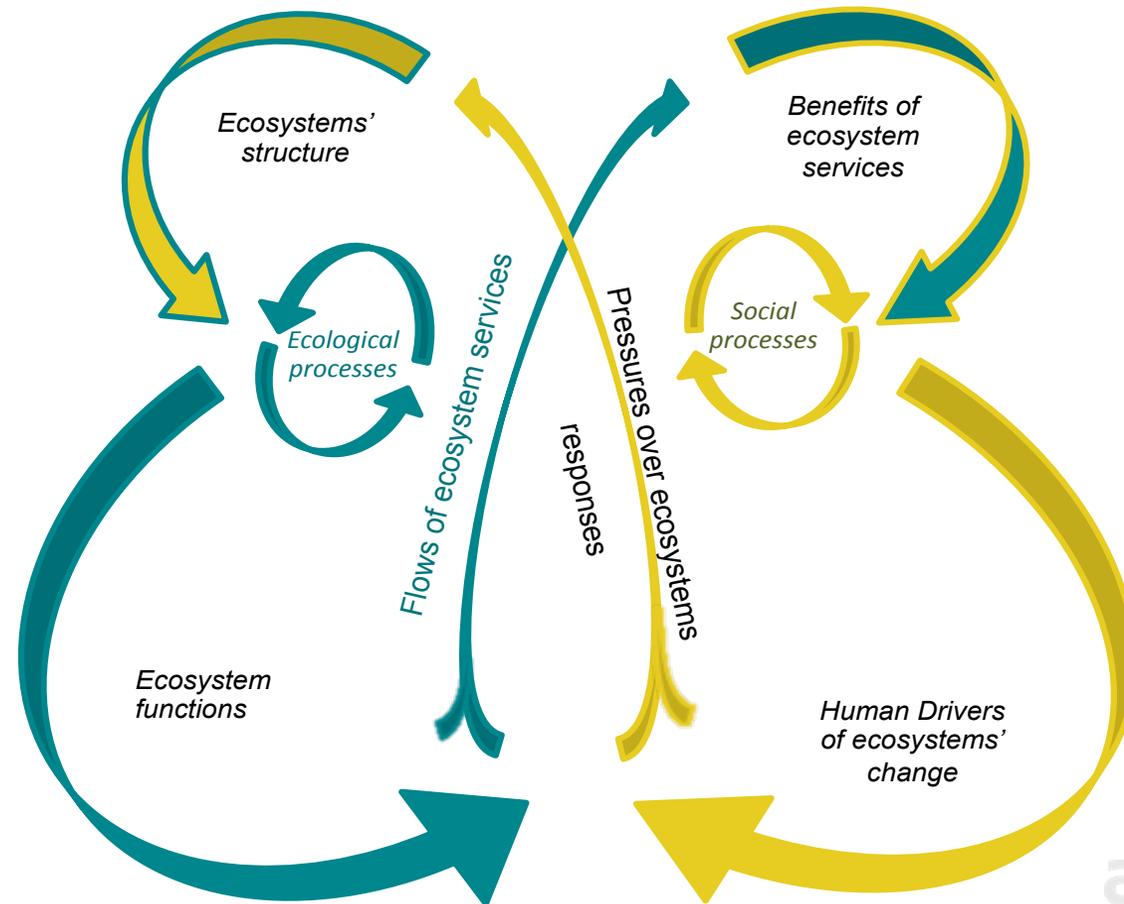




Socio-economic and ecological systems

Systems relationships

Flow of ecosystem services



Challenges at the interface between water and ecosystems



Operationalization
of the concept of
ecosystem
services

EU Biodiversity
strategy

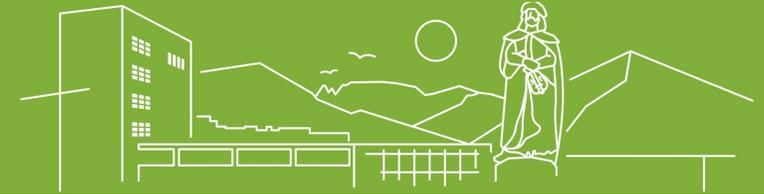
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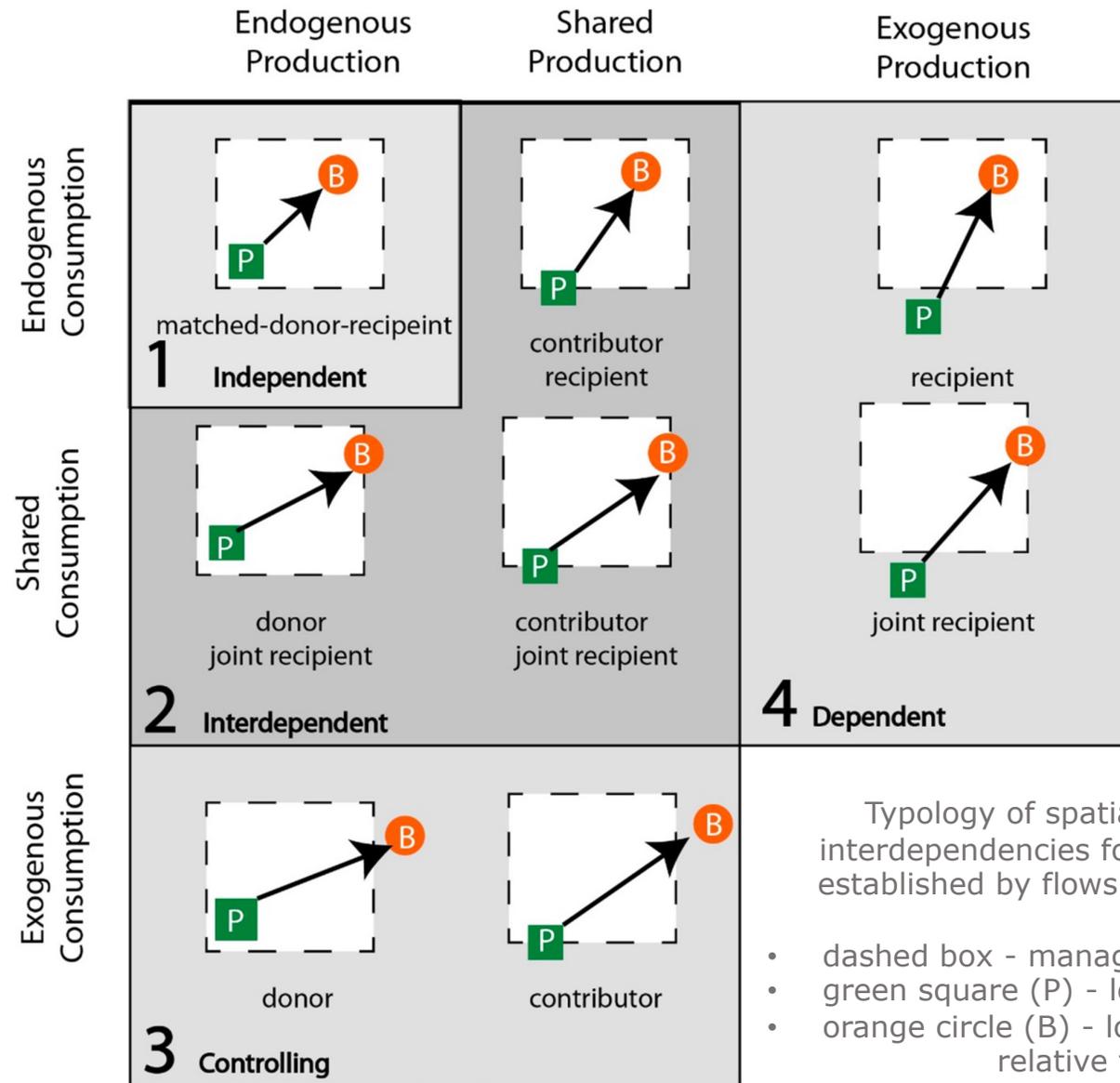
Image source: Schematic representation of the three key questions that underpin the need for mapping and assessment of ecosystem services. (Image source: EC DG JRC MAES WG)

<http://biodiversity.europa.eu/maes>



Ecosystem services across multiple scales

Flow of ecosystem services



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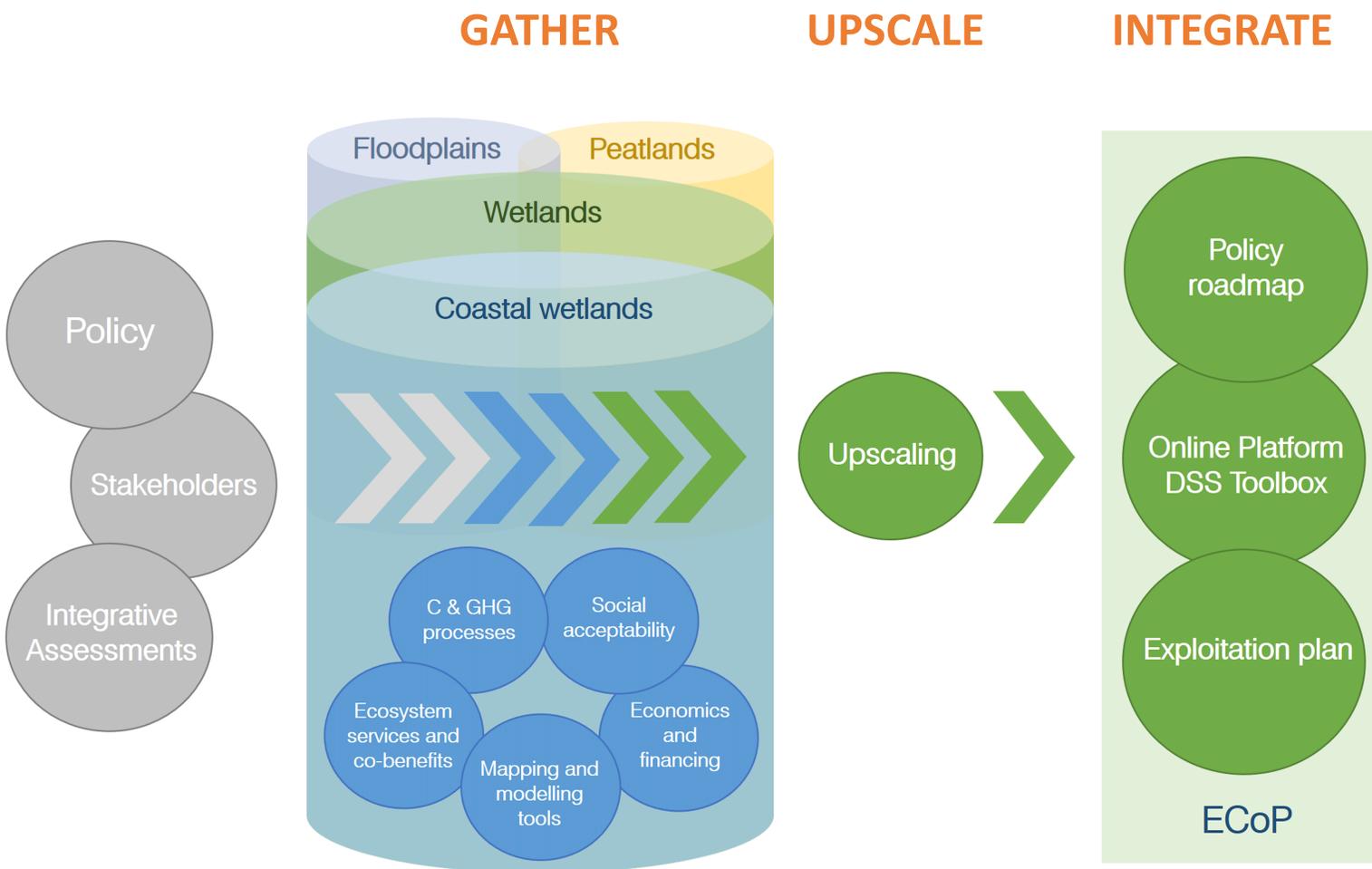


A simple spatial typology for assessment of complex coastal ecosystem services across multiple scales

Tim O'Higgins ^{a,*}, António A. Nogueira ^b, Ana I. Lillebø ^b

^a MARE Environmental Research Institute, Beaufort Building, Haulbowline Rd., Ringaskiddy, Co. Cork, Ireland
^b Department of Biology & CESAM, Campus Universitario de Santiago, University of Aveiro, Portugal





SUPPORT the implementation of **Climate and Biodiversity policies** in the context of the **European Green Deal**, the new **EU Nature Restoration Law** and the implementation of the **Land Use, Land Use Change and Forestry (LULUCF) Regulation** with respect to the inclusion of wetland restoration activities

EUROGEO WORKSHOP 2023



Thank you!



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