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LifeWatching TV



Supporting the implementation of Climate and Biodiversity policies in the context of the European Green Deal



RESTORE4Cs, led by the University of Aveiro, is a Horizon Europe project evaluating **the impact of wetland restoration on climate change mitigation** and ecosystem services. It aims to create a digital platform to help stakeholders assess the costs **and benefits of restoration efforts and promote sustainable management**. The project also focuses on engaging communities and supporting EU policies to preserve the ecological and social value of wetlands.

We will assess the environmental and socio-economic impact of wetland restoration in six European coastal regions by analysing carbon storage, greenhouse gas exchange, and biodiversity. Our study will also consider socio-economic benefits like employment and tourism to develop sustainable management strategies for these ecosystems.

GATHER

We will expand the use of models and evaluation tools to monitor a wider range of European wetlands, including floodplains and peatlands, using remote sensing and machine learning. Our goal is to create a comprehensive status assessment that aligns with environmental policies, produce detailed maps, and provide data—such as GHG emissions—to support restoration decisions. We will also explore replicating RESTORE4Cs methods for other wetland types.

UPSCALE

We will develop a digital platform as a Decision Support System (DSS) for wetland restoration, integrating data and models into an interactive online repository. We will create an adaptable Integrated Toolbox and launch a European Community of Practice (ECoP) for wetland restoration. Our Exploitation and Sustainability Plan will ensure long-term impact, supporting Climate and Biodiversity policies under the European Green Deal and the LULUCF Regulation.

INTEGRATE

## SIX CASE PILOT SITES



Valencian Wetlands, Spain  
Ria de Aveiro, Portugal  
Curonian Lagoon, Lithuania  
Camargue, France  
South-West Dutch Delta, The Netherlands  
Danube Delta, Romania



## A COMMUNITY OF PRACTICE



EU Projects



RAMSAR  
Initiatives



GHG  
Experts



Universities  
and Research



Restoration  
Champions



Site  
Managers

The Community of Practice for Restoring Wetlands (ECoP) brings together site managers, EU project coordinators, GHG experts, research institutes, Ramsar representatives, and NGOs to enhance wetland restoration efforts. Each group contributes its unique expertise, working together to share knowledge, identify gaps, and develop best practices. Their collaboration aims to create a more coordinated and effective approach to restoring wetlands, supporting climate action and biodiversity conservation.

## THE TOOLBOX



The RESTORE4Cs Toolbox will serve as a centralised resource for data, analysis, and policy guidance to support wetland restoration efforts across Europe. It will integrate all project data, from local pilot sites to national and pan-European scales, within an Online Platform. This decision-support tool will provide a comprehensive entry point for monitoring ecosystem conditions, prioritising restoration actions, evaluating alternatives, and conducting economic efficiency analyses, ultimately enabling better-informed and more effective wetland management strategies.

