

**Developing DEMO-sites to highlight
the efficiency of Ponds as Nature
Based solution for adaptation and
mitigation to changing climate (H2020
Ponderful project)**

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One main aim of PONDERFUL is to evidence how ponds and pondsapes, as Nature-Based Solution (NbS), can help society to mitigate and adapt to climate change, protect biodiversity and deliver ecosystem services. Indeed, ponds and pondsapes have already been highlighted as key-systems for biodiversity. But they also include e.g. impact on greenhouse gases fluxes, water provision, flood and extreme events control, regulation of water quality, learning, inspiration and recreation, which all impact the human well-being.

A key outcome of PONDERFUL is to provide the legislators, policy makers, practitioners, land managers, farmers, and SMEs with the guidance tools to support the establishment of a low-cost and highly effective approach for implementation of NbS based on ponds and pondsapes.

Here I will present the network of 15 DEMO-pondsapes that we co-develop with stakeholders throughout Europe and Uruguay. These pondsapes are representative of the diversity of NbS that can be easily implemented elsewhere. I will explain here how we are assessing their effectiveness for increasing resilience of biodiversity and ecosystem services to climate change, highlighting best practices to be promoted in Europe.

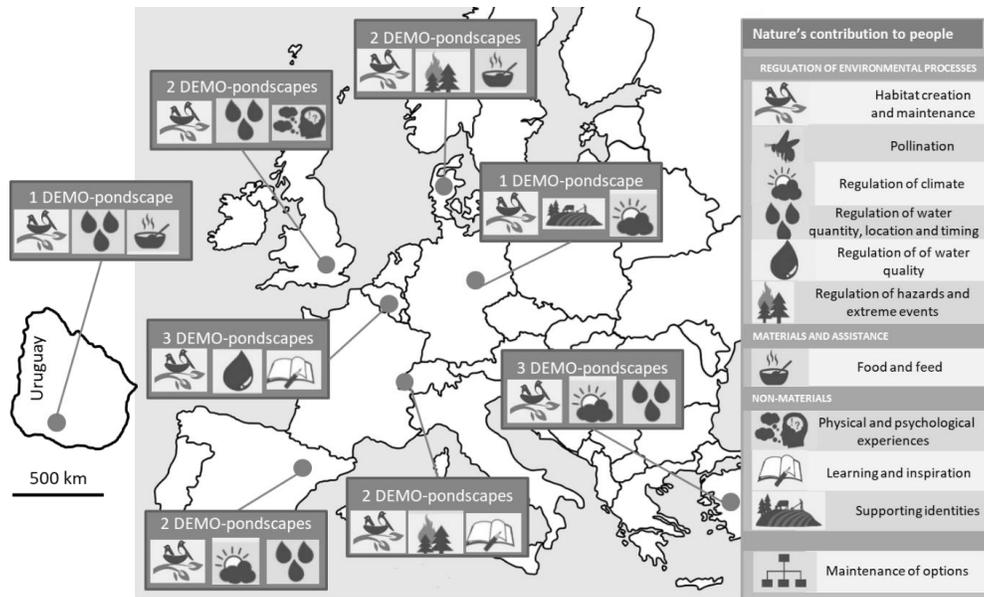


Fig. 1. Geographic location of the 8 DEMO site regions in Europe and Uruguay, where in total 15 DEMO-pondscapes will be set up, presenting examples of Ecosystem services and “Nature’s Contributions to People” offered by the Nature Based Solutions implemented in various pondscapes. A list of investigated ES/NCPs is presented on the right side of the figure, following IPBES (2019).

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