RESILIENT WETLANDS

EXPLORING THE ROLE OF INLAND WETLANDS & PEATLANDS IN MITIGATING CLIMATE CHANGE

ONLINE WORKSHOP | **22 NOVEMBER 2023 10:00-12:30 CET**

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Coordinator of REWET

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AGENDA

TIME	SPEAKER	TITLE
10:00	**Vanessa Ferreira de Almeida** IDENER, Spain REWET project Coordinator	**Welcome and house keeping rules**
10:05	**Vanessa Ferreira de Almeida**	**Introduction to the REWET project**
10:20	**Miguel Geraldes** Research associate CEG, TERRA, IGOT, University of LIsbon, Portugal	**"Europe's peatlands going global: wide-ranging possibilities that arise from the novel Peatland Atlas. An overview."**
10:40	**Q&A**	
10:50	**Marco Bartoli** Associate professor, University of Parma, Italy	**Water-atmosphere fluxes of greenhouse gas in wetlands: the role of aquatic vegetation**
11:10	**Q&A**	
11:20	**Caspar Verwer** IUCN, the Netherlands	**"Current status of the EU policy context related to wetland restoration"**
11:40	**Q&A**	
11:50	**Vanessa Ferreira de Almeida**	**Conclusions**
12:00	**Vanessa Ferreira de Almeida**	**Closing of the session**

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REstoration of natural WETlands to minimise emissions and maximise carbon uptake

A strategy for long term climate mitigation

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rewet in a nutshell

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Restoring wetlands to tackle climate change

REWET is a Horizon Europe project, funded by the European Union (CINEA), bringing together **18 partners** from **9 countries:** *Spain, Austria, the Netherlands, Finland, Belgium, Estonia, Italy, Germany, and Portugal*.

Universities, RTOs, NGOs, public bodies and SMEs are working together to develop **REWET's methodology**, that focuses on **restoring wetlands to minimise emissions and maximise carbon uptake,** while **preserving** and **enhancing** the **local biodiversity**.

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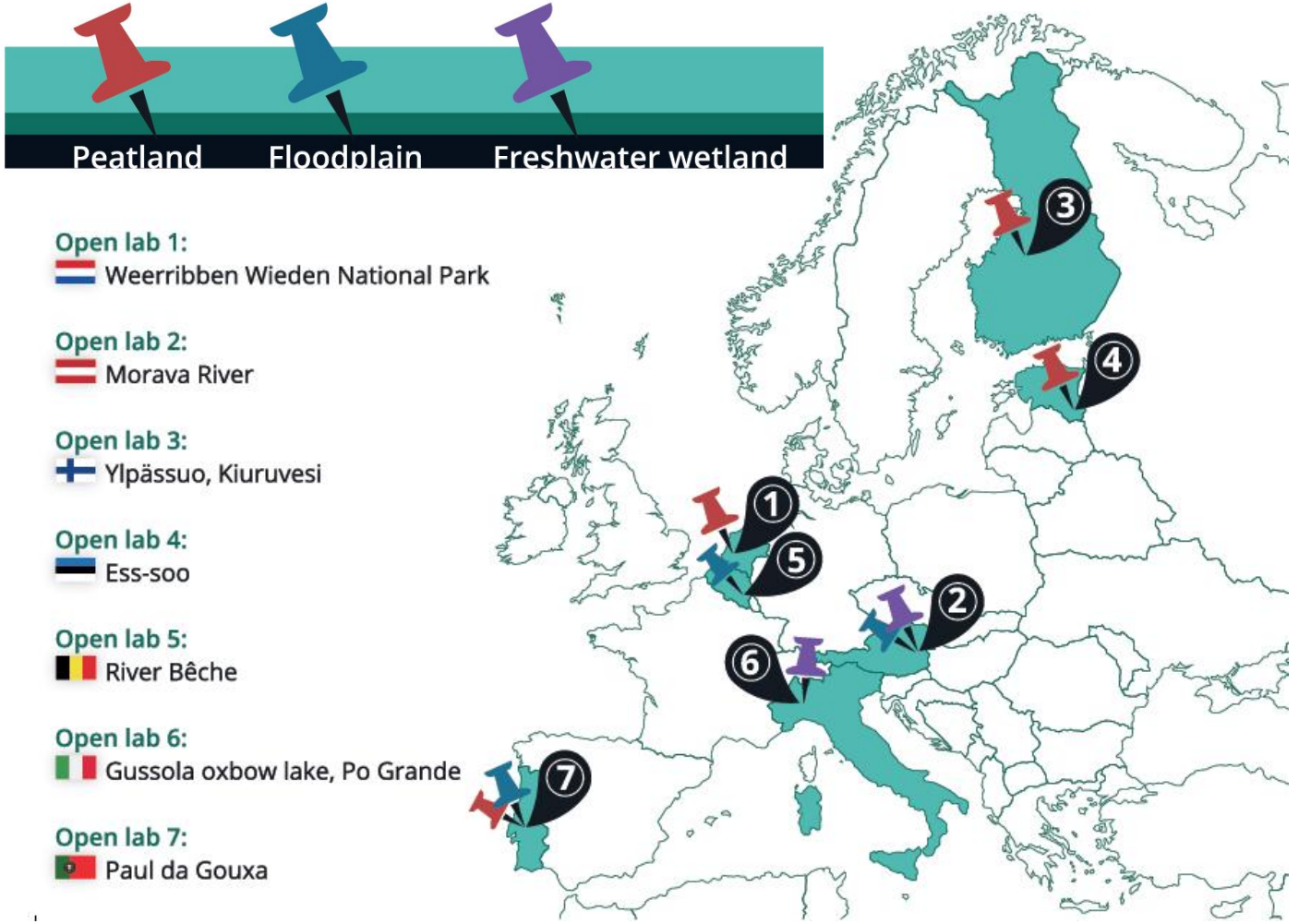
Open Labs

Seven (7) Open Labs (OLs) across Europe:

1. The Netherlands
2. Austria
3. Finland
4. Estonia
5. Belgium
6. Italy
7. Portugal



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rewet's objectives

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Objectives

1. Successfully designing, implementing, and monitoring the 7 REWET's Open Labs.
2. To deliver a "toolbox" to implement successful restoration practices based on the implementations carried out at the Open Labs.
3. To create an inventory of European wetlands.
4. To generate an estimate of the EU wetlands' carbon footprint.
5. To deliver a fit-for-purpose decision support system (DSS) tool for wetlands.
6. To provide policy recommendations of best practices for wetlands restoration.
7. To create opportunities for green jobs for all stakeholders.
8. To deliver a replication plan of REWET restoration and monitoring activities.
9. To effectively integrate Social Science and Humanities and Gender Dimension.

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rewet's scope

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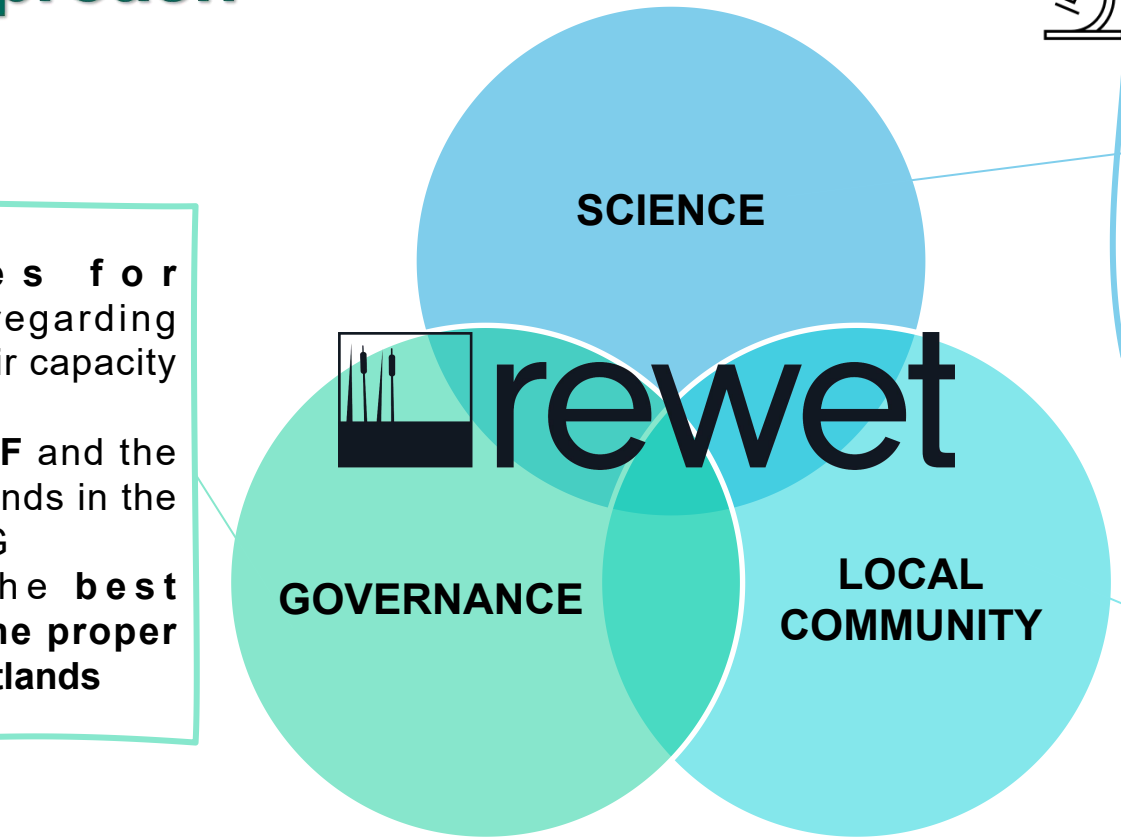
Holistic approach

- **Guidelines for policymakers** regarding wetlands and their capacity to store carbon
- **Support LULUCF** and the inclusion of wetlands in the accounting of GHG
- Insights on the **best strategies for the proper monitoring of wetlands**



- **Monitoring Greenhouse gases (GHG)**: CO_2, CH_4 and N_2O with different methodologies
- **Modelling** impact of restoration on climate change
- **Quantifying impact on other aspects:** biodiversity, disaster risk and ecosystem services

- **Engaging with local community**
- Monitoring their perspective on wetlands
- **Gender dimension**: how climate change impacts differently on gender?
- **New business models** for the sustainable management of wetlands

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Scientific aspect

Improving the EU knowledge base beyond the state-of-the-art for management and restoration of wetlands:

- Understanding the wetlands capacity of acting as **carbon sinks**
- How can **restoration support climate mitigation** and adaptation?
- **Modelling** the wetlands restoration potential of GHG abatement in different scenarios (i.e., under global warming of 2°C and higher)

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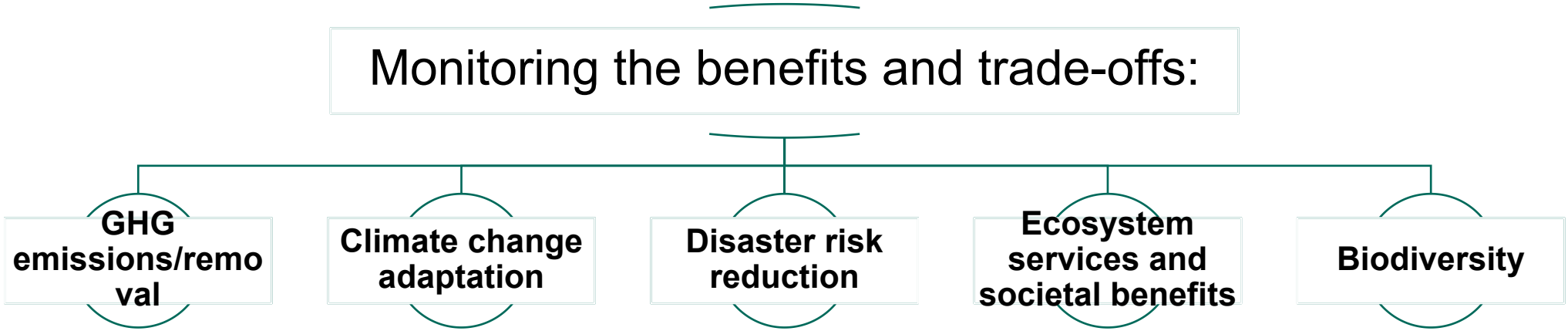
Scientific aspect



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Social aspect

- Citizen and key stakeholders' engagement
- Participation during the restoration process
- Citizen's overview and participation

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Governance

- Inclusion of wetlands by developing transparent methodologies, data provision and data analysis

Support the implementation of Land Use, Land Use Change and Forestry (LULUCF)

- IPCC
- IPBES
- International Resource Panel reports

Input to scientific assessments:

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rewet's current status

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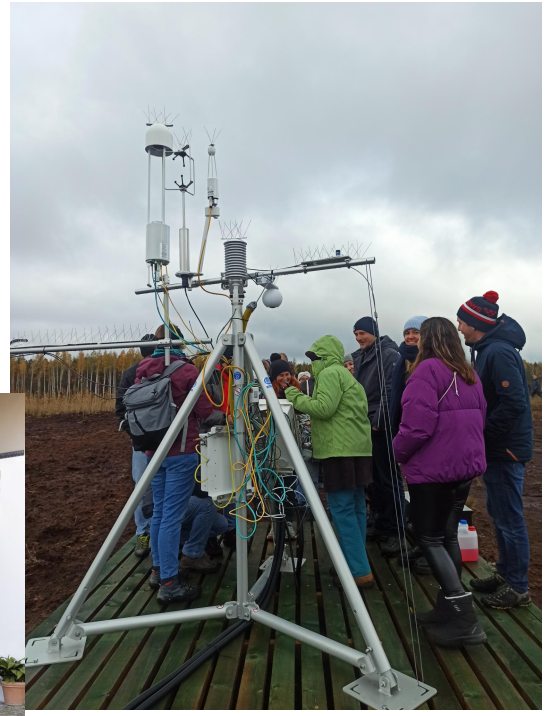
- 7 Open Labs running
- Social interviews
- WETSET: dataset
- Policy report assessing wetlands
- C&D&C activities
- 3 project meetings (Spain, Portugal & Estonia)



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rewet's partners

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COORDINATOR

idener
SCIENTIFIC COMPUTING

PARTICIPANTS

Kneia

BOKU

fic
fundación para la investigación del clima

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