Funded by
the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

About
ALFAwetlands project

European Wilderness Society

03.10.2023

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

ALFAwetlands overview

- Coordinator: The Natural Resources Institute Finland (Luke), Finland
- Funding from EU: 8 M€
- Project timeline: 01.06.2022-30.11.2026
- Project duration: 54 months
- 14 partners +1 affiliated entity
- Call: *Horizon-CL5-2021-DI-01-08: Restoration of natural wetlands, peatlands and floodplains as a strategy for fast mitigation benefits: pathways, trade-offs and co-benefits*

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

ALFAwetlands offers:

- KNOWLEDGE

improves geospatial knowledge base of wetlands to

verify efficiency of ecosystem scale restoration practices

- CO-CREATION

co-creates socially fair and rewarding pathways for wetland restoration

- SUSTAINABILITY

develops sustainability indicators to maximise climate change mitigation and biodiversity

- MODELLING

develops policy relevant scenarios for climate change, biodiversity and ecosystem

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

Project partners

Restoration for the future WETLANDS
www.alfawetlands.eu

Project coordinator:

Luke
NATURAL RESOURCES INSTITUTE FINLAND

UNIVERSITAT DE BARCELONA

INRAE
science for people, life & earth

Wetlands INTERNATIONAL

IIASA International Institute for Applied Systems Analysis

CREAF

ILMATIETEEN LAITOS
METEOROLOGISKA INSTITUTET
FINNISH METEOROLOGICAL INSTITUTE

RESEARCH INSTITUTE
NATURE AND FOREST

SER SOCIETY FOR ECOLOGICAL RESTORATION

SILAVA

cnrs

EUROPEAN WILDERNESS SOCIETY

UNIVERSITET STOCKHOLMS

Succow Stiftung

TARTU ÜLIKOOL 1632 UNIVERSITAS TARTUENSIS

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

ALFAwetlands team

Funded by the European Union

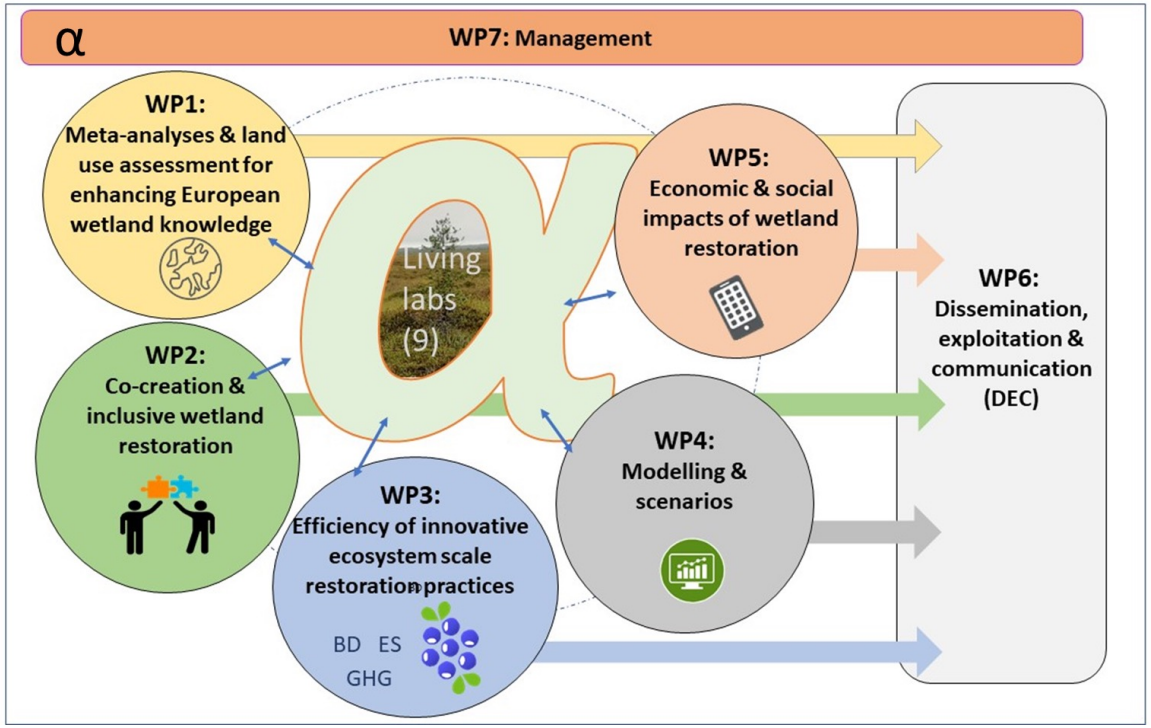
Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

ALFAwetlands - wetland restoration for the future

An **ultimate goal** of the ALFAwetlands is to improve the geospatial knowledge base of wetlands, to evaluate the pathways of wetland restoration that incorporate a co-creation process, and to provide information and indicators for sustainability to maximise climate change mitigation, biodiversity and other benefits.

The **cross-cutting theme** is climate change mitigation, which at the same time supports biodiversity and is socially just and rewarding

Living Labs play a key role in supporting and integrating interdisciplinary research on ecological, environmental, economic and social science at local level



Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

ALFAwetlands Work packages

- WP 1. Meta-analysis & land use assessment for enhancing European wetland knowledge
- WP 2. Co-creation & inclusive wetland restoration
- WP 3. Efficiency of innovative ecosystem scale restoration practices
- WP 4. Modelling & scenarios
- WP 5. Economic & social impacts of wetland restoration
- **WP 6. Dissemination, exploitation & communication (DEC)**
- WP 7. Project management

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

Main expected results

Restoration for the future WETLANDS
www.alfawetlands.eu

- **Geospatial knowledge** base of wetlands to verify efficiency of ecosystem scale restoration practices
- **Geodata needs for policy instruments** on national & European levels
- **Field-tested methods for participatory wetland restoration,** handbooks etc.
- **Tool: Best practices for cost-effective restoration** of peatlands & restoration of floodplains
- **Improved methods** for GHGE and removals reporting from wetlands and the LULUCF sector
- **Modelling** impacts of upscaled wetland restoration options on biodiversity and ecosystem services provision
- **Policy relevant scenarios** for climate change, biodiversity and ecosystem services
- **Socio-economic impacts** of wetland restoration, especially on BES benefits and costs of different measures and wellbeing impacts from local to EU levels

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

European Wilderness Society role

- ✓ Leading WP 6-Dissemination, exploitation & communication
  - ➢ Task 6.1 Supporting dissemination, exploitation & communication
  - ➢ Task 6.2 Engaging stakeholders, building capacity & establishing synergies
  - ➢ Task 6.3 Managing & exploiting project outputs
  - ➢ Task 6.4 Best practices tool for wetland restoration
  - ➢ Task 6.5 Advocating for & supporting evidence-based policymaking
  - ➢ Task 6.6 Citizen science & Living Labs open days
- ✓ Coordinating activities of the AT-HU LL

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

Dissemination and experience exchange

Funded by the European Union

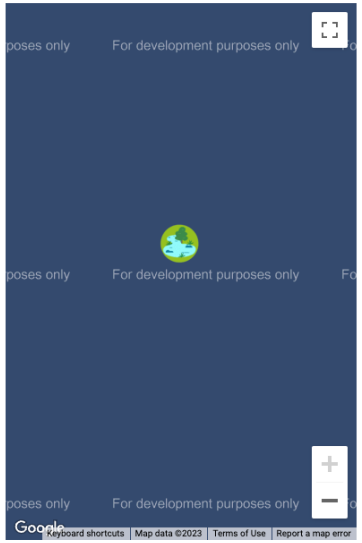
Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

Austria-Hungary Living Lab

https://alfawetlands.eu/living-labs/all-living-labs/#austria-hungary-country

Restoration for the future WETLANDS
www.alfawetlands.eu

Austria & Hungary living lab



Co-creation on floodplain

Lake Fertö, Hungary & Neusiedler See-Seewinkel National Park, Austria

Floodplain

Read more

Legends

- Agripeat – agriculture on peatland
- Coastal wetland
- Constructed wetland
- Drained peatland forest: non-productive
- Drained peatland forest: productive
- Floodplain
- Peatland extraction area
- Water management

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

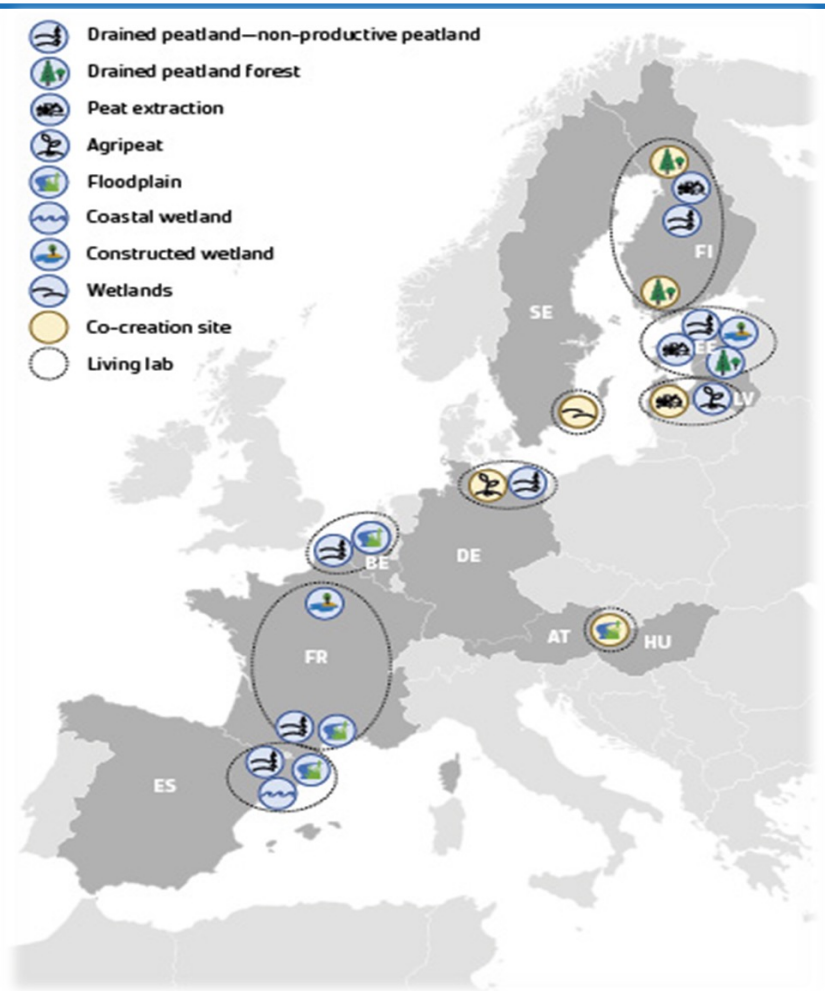
ALFAwetlands Living Labs

Restoration for the future WETLANDS
www.alfawetlands.eu

Act as a system where all ecological (measurements, experiments, monitoring etc.) and most of the social science related work (e.g. co-creation process) and partly modelling are conducted

Each country has only **one Living Lab**, and it may contain several sites (ideally between 1-10)

A wide range of wetlands and their land uses are covered in **LLs** (e.g., drained peatlands used for forestry, agriculture, peat extraction, flood-plains, coastal wetlands)



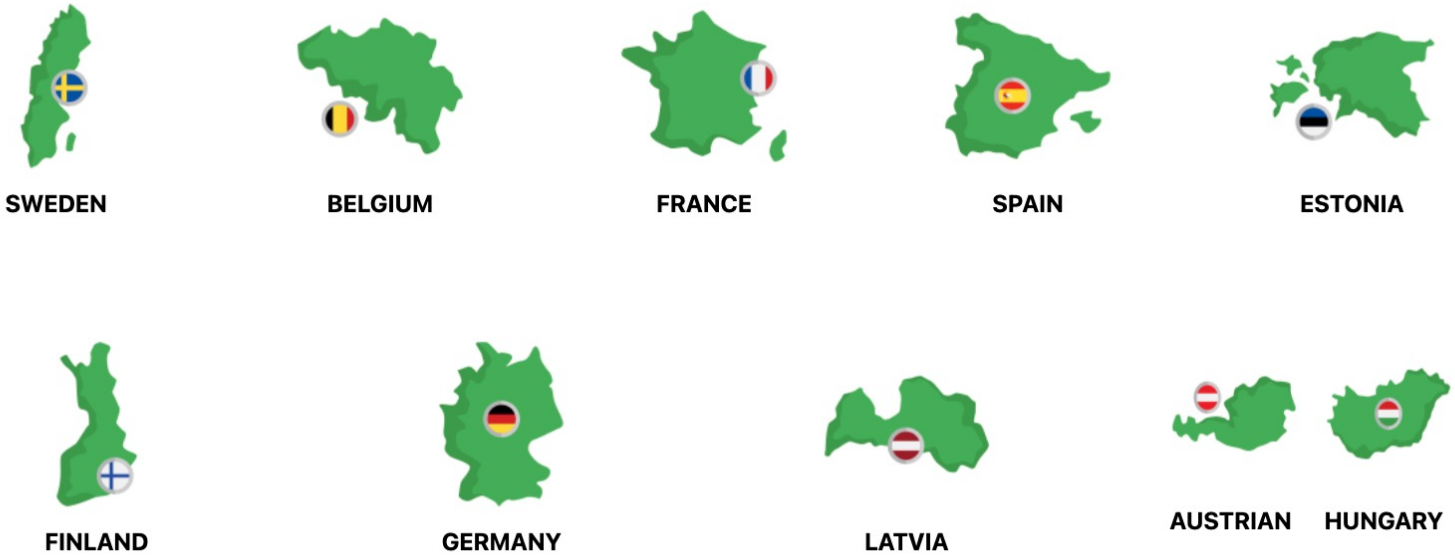
https://alfawetlands.eu/living-labs/

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

ALFAwetlands Living Labs

- **Peatland management options studied** incl.
- Water level manipulations
- Continuous cover forestry
- Flood-tolerant crops
- Sphagnum sowing
- Mowing fen meadow, periodic flooding
- Rewetting, (partial) tree removal
- Restoring hydrology
- Berry cultivation
- Ash fertilization
- Agroforestry
- Afforestation



https://alfawetlands.eu/living-labs

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

Exampe: Living lab in France

Restoration for the future WETLANDS
www.alfawetlands.eu

Rampillon site

Co-creation on constructed wetland. biodiversity survey (amphibians, aquatic macroinvertebrates), and water quality monitoring

Garonne site:

Biodiversity & ecosystem services of alluvial floodplains studied. Propose a methodology that considers climate and water impacts

Pyrenees site:

Restoring unproductive drained mountain peatland with high biodiversity values

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

Follow ALFAwetlands

info@alfawetlands.eu

https://alfawetlands.eu

https://twitter.com/ALFAwetlands

https://www.facebook.com/ALFAwetland

https://alfawetlands.eu/alfawetland/newsletter/

@alfawetlandsproject

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

Contact us

Restoration for the future
WETLANDS
www.alfawetlands.eu

European Wilderness Society main contact:
Iryna Shchoka
iryna.shchoka@wilderness-society.org

Funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.