#### NN Labs



#### A Citizen Science app for mapping river barriers & freshwater features

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# What is the idea about?

- AMBER used a Citizen Science app to map river barriers
- · We will adapt the app to map other freshwater features & stressors of biodiversity using open code
- · We'll share the results & promote CS data across cities and regions





#### What are the main objectives?

- Update the barrier tracker app to include lateral barriers & quality of vegetation
- Develop a generic, open source mapping platform adaptable to other needs (e.g. mapping ponds, pollutant sources or particular species)





#### How would it be developed?

- Wish list develop via consultation with potential users
- Focus groups
- Extensive communication
- Dissemination event



# What are the concrete outputs?

- · An upgraded, improved app
- A generic mapping platform
- A blue print for mapping freshwater biodiversity using citizen science





#### Who is already involved?

- Carlos Garcia de Leaniz, Blue Rivers Foundation, TF1
- Gilles Segura, Blue Rivers Foundation, TF1
- Polona Pengal, REVIVO, DRYver, TF1
- Eva Horvat, REVIVO, DRYver, TF1
- Sandra Brucet, Ponderful
- Àlex López, Ponderful















# Other Collaborations?

We are already collaborating with

RIWET, Danube LifeLines; Danube4All; LIFE FOR RIVERS; RIVERLIFE, AMBER, DRYVER

We would like to connect with:

Biodiversa + TF

NN Hubs (to promote the use of the app)

NGOs, other organisations working in water (RAMSAR,

IUCN,). that can promote the uptake of the app

EC, JRC, EEA.

National and regional water bodies







# How and when can other TFs members be involved?

#### Water Projects of NN Cluster

At least: Connecting Nature, EcoAdvance, MERLIN, NaturaConnect, REST-COAST, UNalAb, WaterLANDS, SpongeWorks, NATURE-DEMO, GENESIS, SpongeScapes, SpongeBoost, SpongeWORKS, NATALIE, ARCADIA

#### Contact us: c.garciadeleaniz@swansea.ac.uk



# Stages of the proposal

March-May 2025 Meetings with potential users to define specs for upgraded app June-Aug 2025 Alpha version Sep-Dec 2025 Beta version and pilot trialling 2026-2028
Generic platform and development of CS Blueprint



Doubts about NN Labs? Do not hesitate to contact: Maria Nuñez Rodriguez Maria.Rodriguez-Nunez@iucn.org Firdaous Halim Firdaous.Halim@iucn.org

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This project has received funding from the European Union's Research Executive agency under grant No. 101082213. Views and opinions expressed are however the European Union those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.



This project is funded by UK Research and Innovation (UKRI) under the UK government's Horizon Europe funding guarantee.