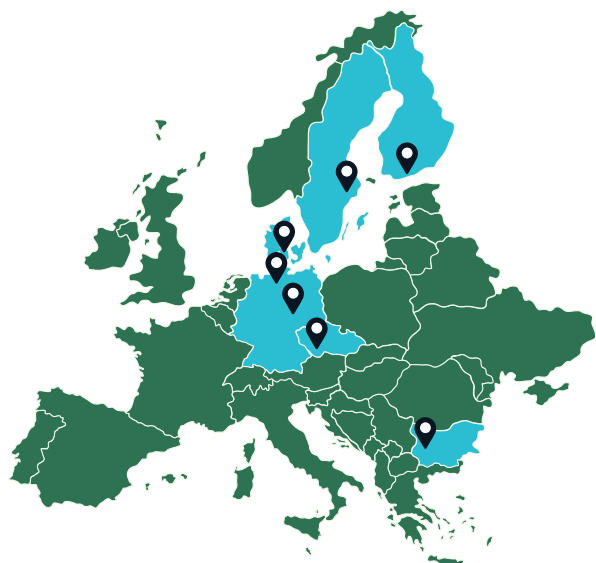


PARTNERS

7 Partner organisations from 6 countries in Europe



PROJECT COORDINATOR

Dr. Tallent Dadi

Project Coordinator (UFZ)

DURATION

June 2024 - May 2028

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Funded by
the European Union

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PART OF THE
EU MISSIONS
RESTORE OUR OCEAN & WATERS

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**Fostering European
Lakes Restoration
by Nutrient Removal,
Recovery and Reuse:**
Integrated Catchment
and In-lake
Scale Approach

ferroproject.eu



VISION

Healthy European lakes and secure food systems through circular nutrient management.



MISSION

Recover and reuse phosphorus with circular-based, nature-based solutions that combat eutrophication and reduce reliance on finite resources.



IMPACT

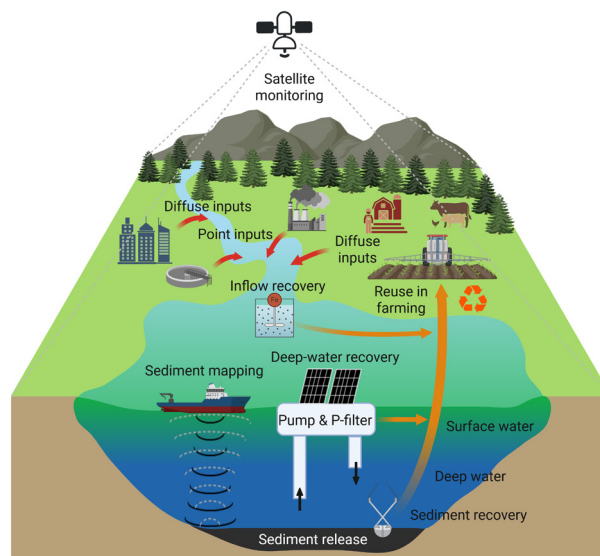
Secure clean water, preserve biodiversity, build climate resilience, advance sustainable agriculture, and drive the transition towards a circular economy.

BACKGROUND

Eutrophication threatens Europe's lakes with algal blooms, oxygen loss, fish kills, and biodiversity decline, while shrinking global phosphorus reserves endanger future food production.

FERRO tackles both problems together. Through **circular-based, nature-based solutions**, we recover nutrients from catchments and lakes and return them to agriculture as fertiliser. This approach restores lake health, improves water quality, and supports a circular economy for Europe's future.

FERRO SOLUTIONS



Conceptual diagram created with BioRender.com

DEMONSTRATION SITES

1. Lake Ormstrup

Reusing dredged lake sediments as agricultural fertiliser

2. Lake Mustijärvi

Sediment removal and reuse combined with inflow sedimentation ponds

3. Lake Fure

Hypolimnetic water extraction and filtration for phosphorus recovery

4. Dröda Reservoir

Iron-based flocculation at inflows to capture and recycle phosphorus

5. Vrchlice Reservoir

Solar-powered pumping and filtration for phosphorus recovery and reuse

ASSOCIATED REGIONS

A. Romania

Reci Municipality, Reci oxbow lakes

B. Poland

Municipality of Płużnica, Wieczno Lake Complex

C. Moldova

Municipality of Manta, Manta lake

