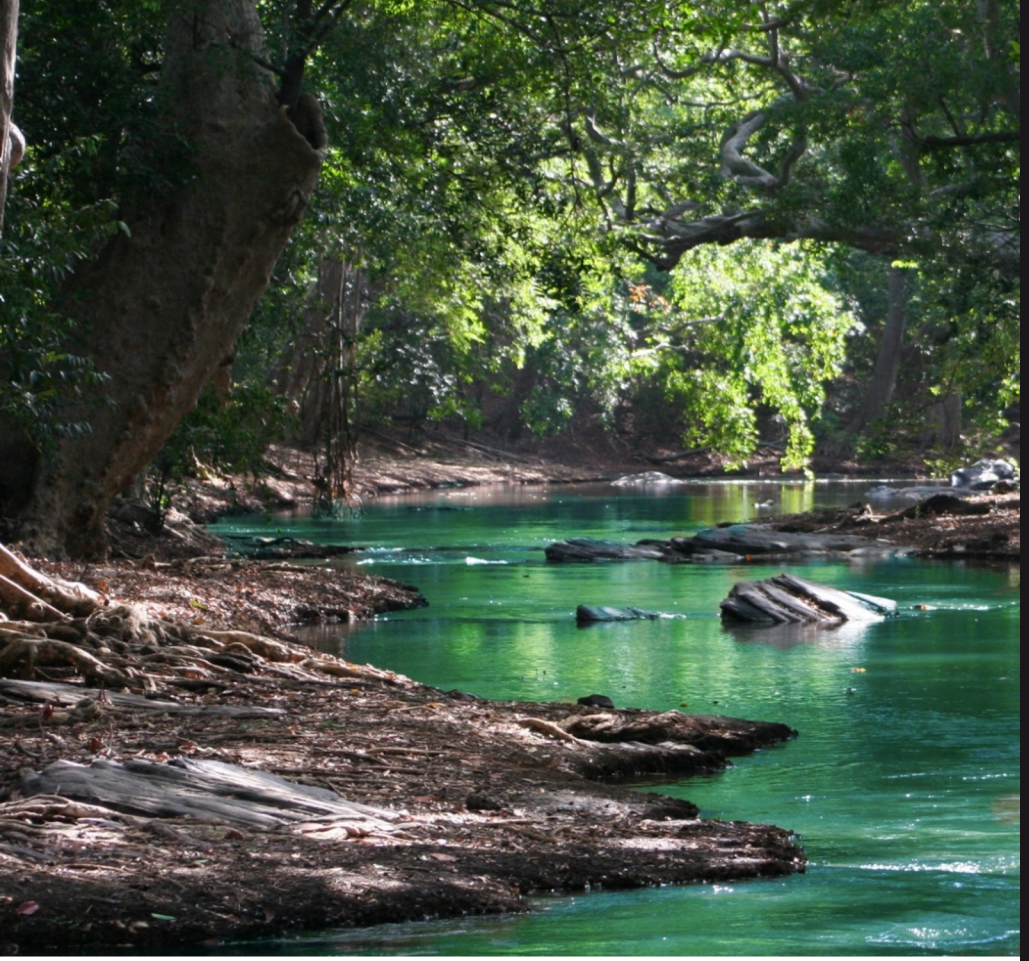
Funded by the European Union

Danube Lighthouse Innovation Action

Boglárka Lakatos I General Directorate of Water Management I 05 2024 I *Rome, Sustainable Rivers*

DALIA-DANUBE.eu



DALIA project is focused on the Danube River basin and fresh water, to support the new **EU Mission** Restore our Ocean and Waters by 2030.

Funded by the European Union. Views and opinions expressed are however those
European Union or the CINEA. Neither the European Union nor the granting autho

PROJECT NUMBERS

9
REALIZED DEMO SITES

22
PARTICIPANTS

48
MONTHS

1400+
FOLLOWERS ON SOCIAL SITES

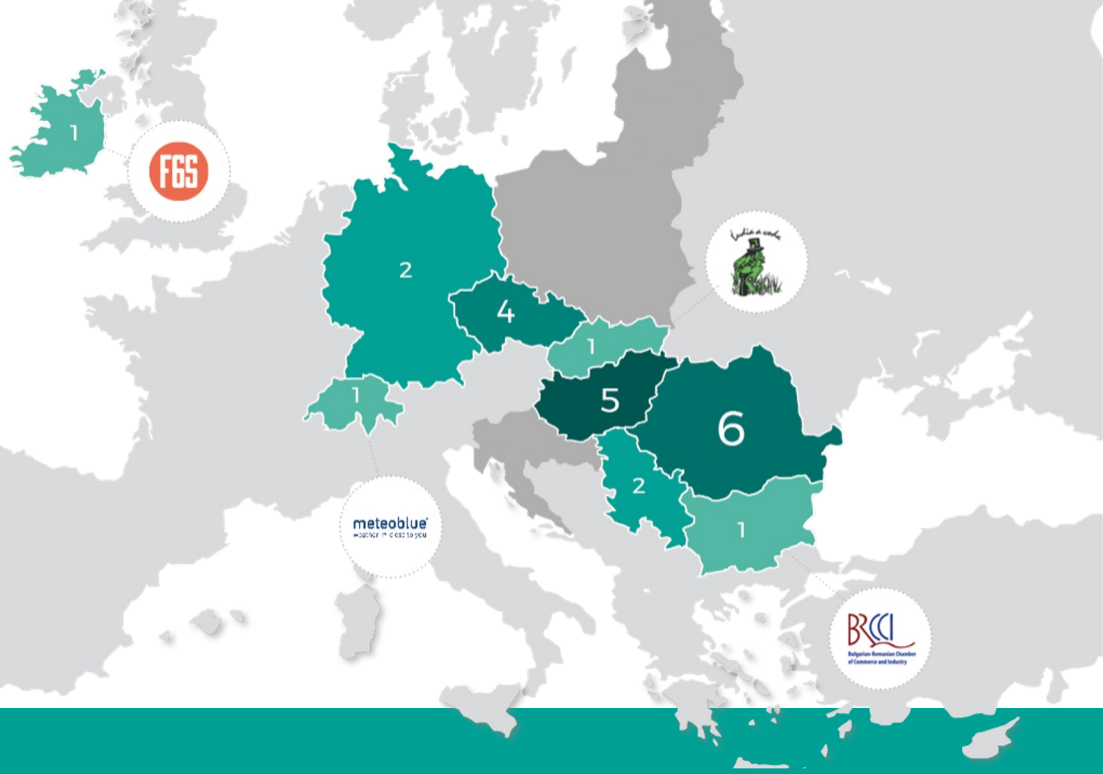
THE DANUBE RIVER BASIN

Stretches across 39k+ water kilometers, crosses 10 European countries, affects millions of lives, fosters economic activity and is home to unique biodiversity.
Human activity and the climate change has threatened in many ways the Danube's ecosystem which calls for immediate action.
For 48 months, 22 partners focus on 9 Demo Sites to create innovative, replicable solutions to achieve fresh water restoration and protection, supporting the work of the EU MISSION "Restore our Ocean and Waters".

DALIA-DANUBE.eu

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

1 IRELAND ↑
SWITZERLAND ↗
SLOVAKIA →
BULGARIA →



PARTNERS

22 partners

From 9 countries

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

PROJECT GOALS

DALIA
DANUBE LIGHTHOUSE

Demonstrator Pilot Sites development

Knowledge Transfer of the DPS

Design and build user-centered solutions

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

Dyje sub-catchment of the DRB

DPS3

Upper catchment of Vah River rehydratation

DPS4

DALIA

DANUBE LIGHTHOUSE

Danube river

DPS2

Reconnected Floodplain

DPS1

Szigetköz region - revitalization of the ecological system

DPS8

Tackling Plastic Waste in the Bodrog Floodplain

DPS9

Crisuri Water Basin Administration

Danube DeltaMonitoring system...

DPS7

9 DEMO SITES

DPS5

Begecka Jama Sustainable Solutions

DPS6

Sturgeon migration by-pass Iron Gates land II.

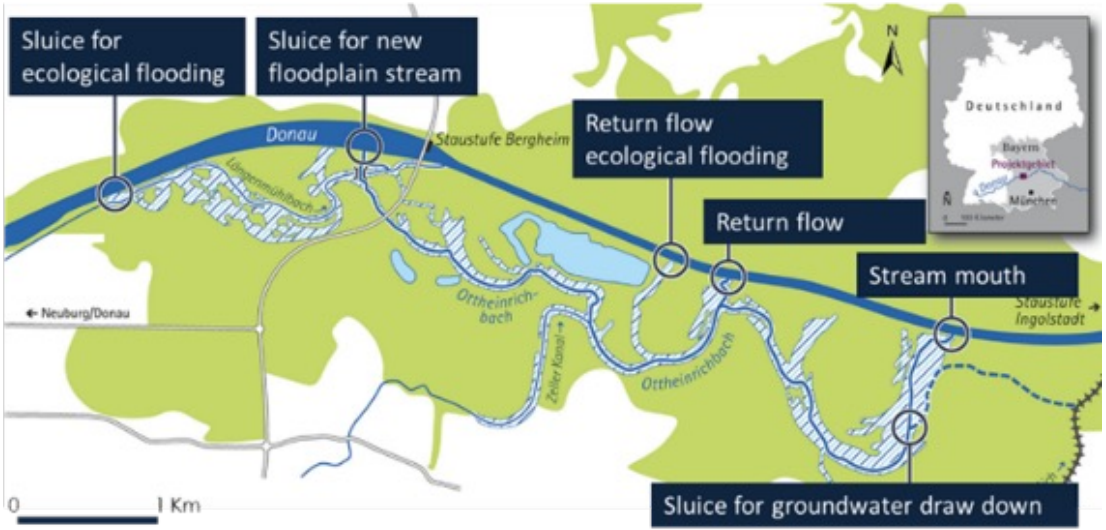
Funded by EU

DPS2

Reconnected Floodplain

Neuburg – Ingolstadt, Germany

Technical Innovation



Long-term monitoring programme since 2010 to validate the renaturation. Sampling and measuring monthly basis.

Monitoring water chemistry by: major ions, trace elements, stable isotopes carbon, - oxygen

and field parameters (pH, Eh, O2, electrical conductivity, alkalinity, and temperature) Technical Innovation

Dyje sub-catchment of the DRB

DPS3

DALIA

Thaya River Basin Checz Republic

Technical Innovation

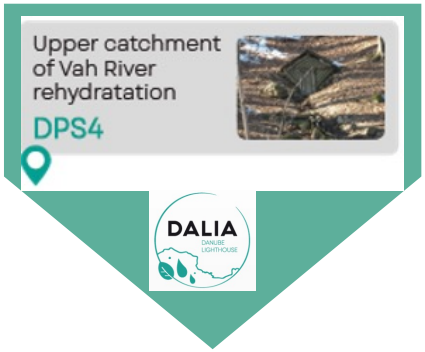
As a **new approach, floating evaporimeters are used**

to determine water loss through evaporation,

which measure the current evaporation from the water level directly on the water reservoirs,

so there is less uncertainty in the calculation when determining evaporation based on formulas dependent on derived meteorological data.

Funded by EU



Tech. and non tech. Innovation

Upper Catchment of Vah River Rehydrationm Slovakia

Demonstrate and **document the impact of the technology consisting of the NBS water retention measures** that

retain, collect, slow down the runoff of rainwater from drainage areas,

support its percolation into the soil and subsoil

to replenish soil and underground water supplies and contribute to increasing the yield of springs and prevent drought

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

Szigetköz, Hungary

Stakeholder involment and awarness raising

This action aims at quantifying the natural, social, and economic effects of water replenishment actions carried out between 1992-2015 in the Szigetköz region 375 km2

This action consists of multiple steps, which will be carried out within the framework of the DALIA project. The steps are as follows:

- literature review
- data collection
- data analyses
- data visualization
- technical description
- validation with local stakeholders and experts in workshop(s)

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

PROJECT GOALS

DALIA
DANUBE LIGHTHOUSE

Demonstrator Pilot Sites development

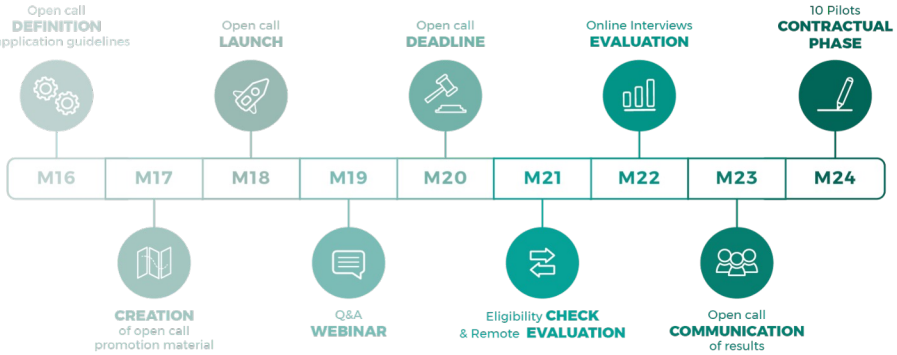
Review current freshwater restoration assessment frameworks and relevant guidance and standards

Design and build prosperous user-centered solutions

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

OPEN CALL for similar reserviois!

05. 2024 – 09.2024

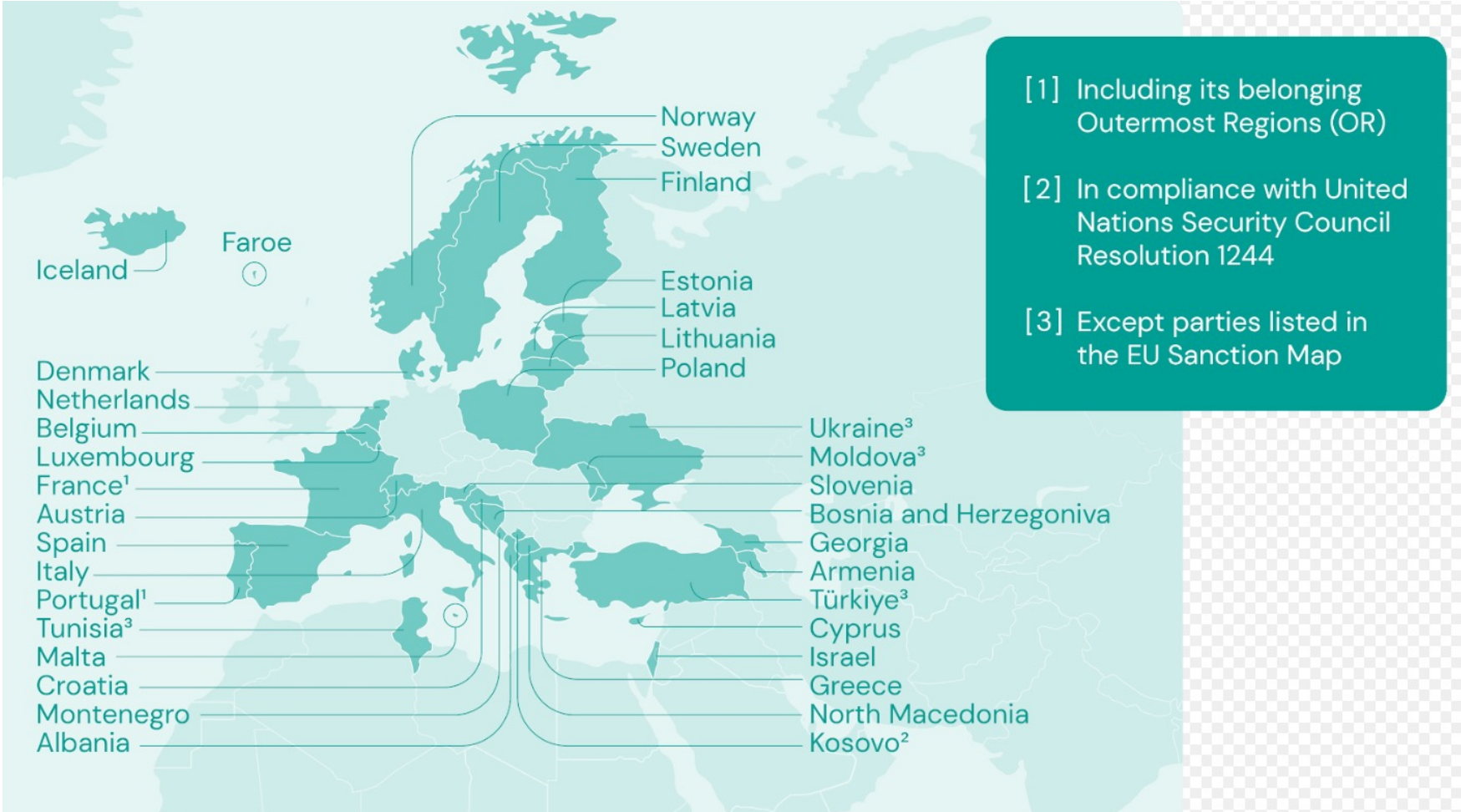


100. 000 EUR/ new site

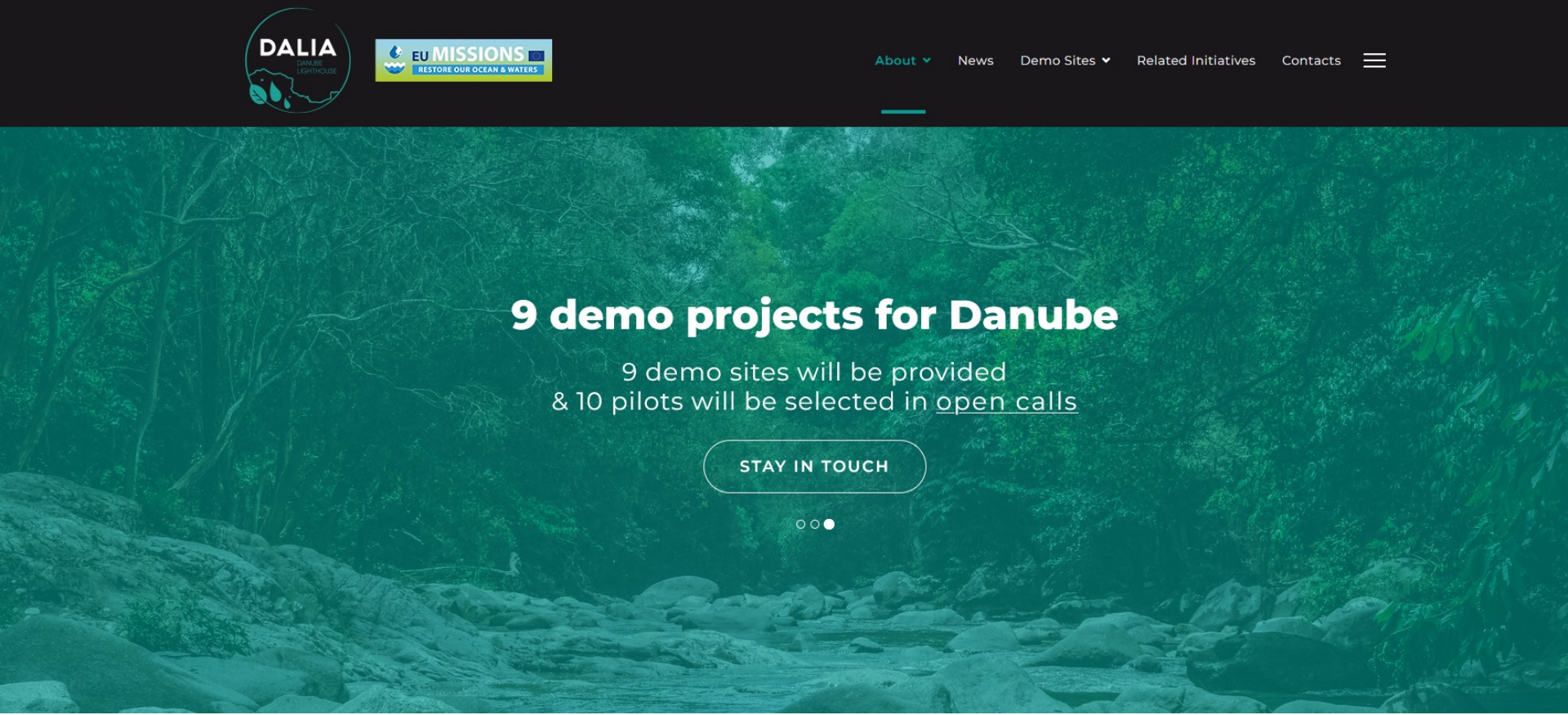
10 REPLICATION PILOT SITES

Will be selected. Stay tuned at https://www.dalia-danube.eu/

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



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



https://www.dalia-danube.eu/

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

HOME > OPEN CALL

Open call

You will find the DALIA Open call announcement and detailed terms of reference at this site in coming months.

DALIA KMS WILL ALSO SERVE AS A TOOL FOR UPLOADING THE PROPOSALS.

The DALIA open call to third parties has two main goals:

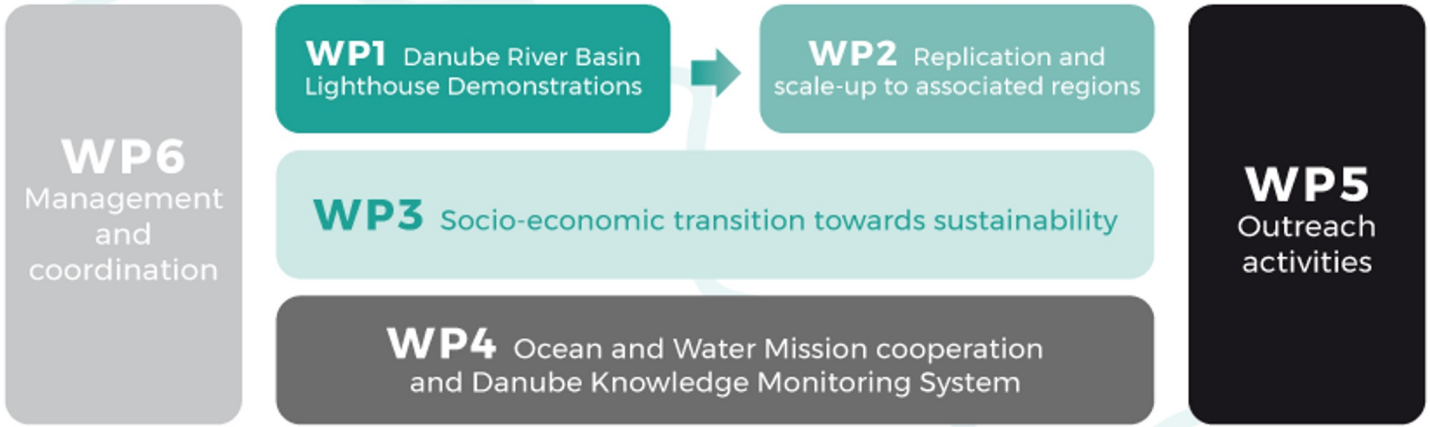
1. To enlarge the pool of regions, which will support implementation of Ocean Water Mission.
2. To deploy increasing numbers of small-scale pilots that demonstrate the transferability of the results.

Open Call: The open call will be launched via the European Tender portal and also via DALIA Knowledge and Monitoring System (Hub) under a form-based application. The DALIA KMS will be used both as a publication, promotion and evaluation platform for gathering the maximum number of proposals. Publication, dissemination & scouting: all partners will be invited to

https://kms.dalia-danube.eu/

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

Project Structure



PROJECT STRUCTURE

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

PROJECT OUTCOMES

Results of 9 innovative pilot sites

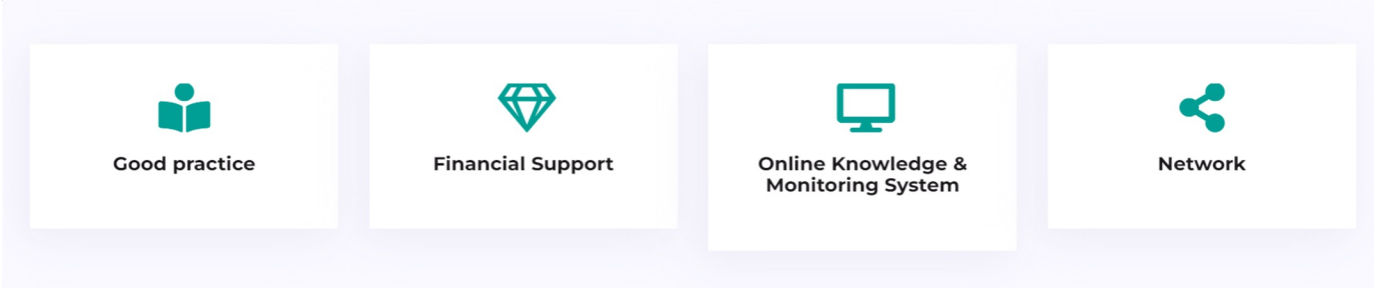
Replication strategies for the pilots

Involvement of 10 associated regions

DALIA Knowledge Hub

Training materials

Dissemination materials for sustainable and innovative solutions



Funded by
the European Union

DALIA
DANUBE
LIGHTHOUSE

Thank you for your attention!

DALIA-DANUBE.eu

DPS 1 Hungary Szigetköz

Represents the best practices support of comprehensive water, environmental, and agricultural policy planning "Region-revitalization of the ecological system".

DPS 2 Neuburg and Ingolstadt, Germany

Represent best practice support to increase biological consistency to create near–natural dynamics of water. “Reconnected floodplain of the Upper Danube”.

Demonstrator Pilot Sites of DALIA project

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

DPS 3DYJE SUB-CATCHMEN CZECH REPUBLIC

Represents a solution that will be based on hydrology and water balance models calculated with climate scenario. Possible measures will be proposed both in the catchment area and on the watercourse.

DPS 4 Vah River Slovakia

Represents the best practice support of flashflood management and sustainable rehydration of the topmost sub-catchment.

“Upper catchment of Vah River rehydration”

DPS 5 BEGECKA NATIONA SERBIA

Represents the best practice support of sustainable solutions for ecosystem monitoring and restoration. “Monitoring and propose nature-based solutions against pollution and sediment inflow from arable land”

DPS 6 Iron Gates, Romania

Represents the best practice support of sustainable biodiversity of the Danube River Basin. “Strugeon migration by-pass Iron Gates I.II.”

DPS 7 DANUBE DELTA ROM

Represents the best practice support to the improvement of monitoring system and knowledge of sediment flow spilled in the Black Sea. “Sediment deposition phenomenon causes various serious problems”

DPS 8 Bodrog River, Hungary

Represents the best practice support against macro plastic pollution. “Plastic Cup” River Cleaning competition. Monitoring data and other river saving data open and will be integrated to: https://tisztatiszaterkep.hu/

DPS 9 ABA CRISURI WATER BASIN, ROMANIA

Represents the best practice support to achieve good ecological status. “Reconnecting natural water flow of ler menders and reduce pollution.”