



ModULar Tools for Integrating enhanced natural treatment SOLutions in URban water CyclEs

MULTISOURCE in a nutshell



This project has received funding from the European Union's Horizon H2020 innovation action programme under grant agreement 101003527.

AT A GLANCE

- **Duration:** 4 year project (01/06/2021 – 31/05/2025)
- **Estimated Project Cost:** €5,169,165.00
- **Requested EU Contribution:** €4,999,631.25
- **Funding Programme:** Horizon 2020
- **Consortium:** 20 partners, 12 countries
- **Coordinator:** INRAE

AT A GLANCE

The overall objective of MULTISOURCE is to **facilitate the systematic, citywide planning of nature-based solutions for urban water treatment, storage and reuse.**



ENTs



Innovation

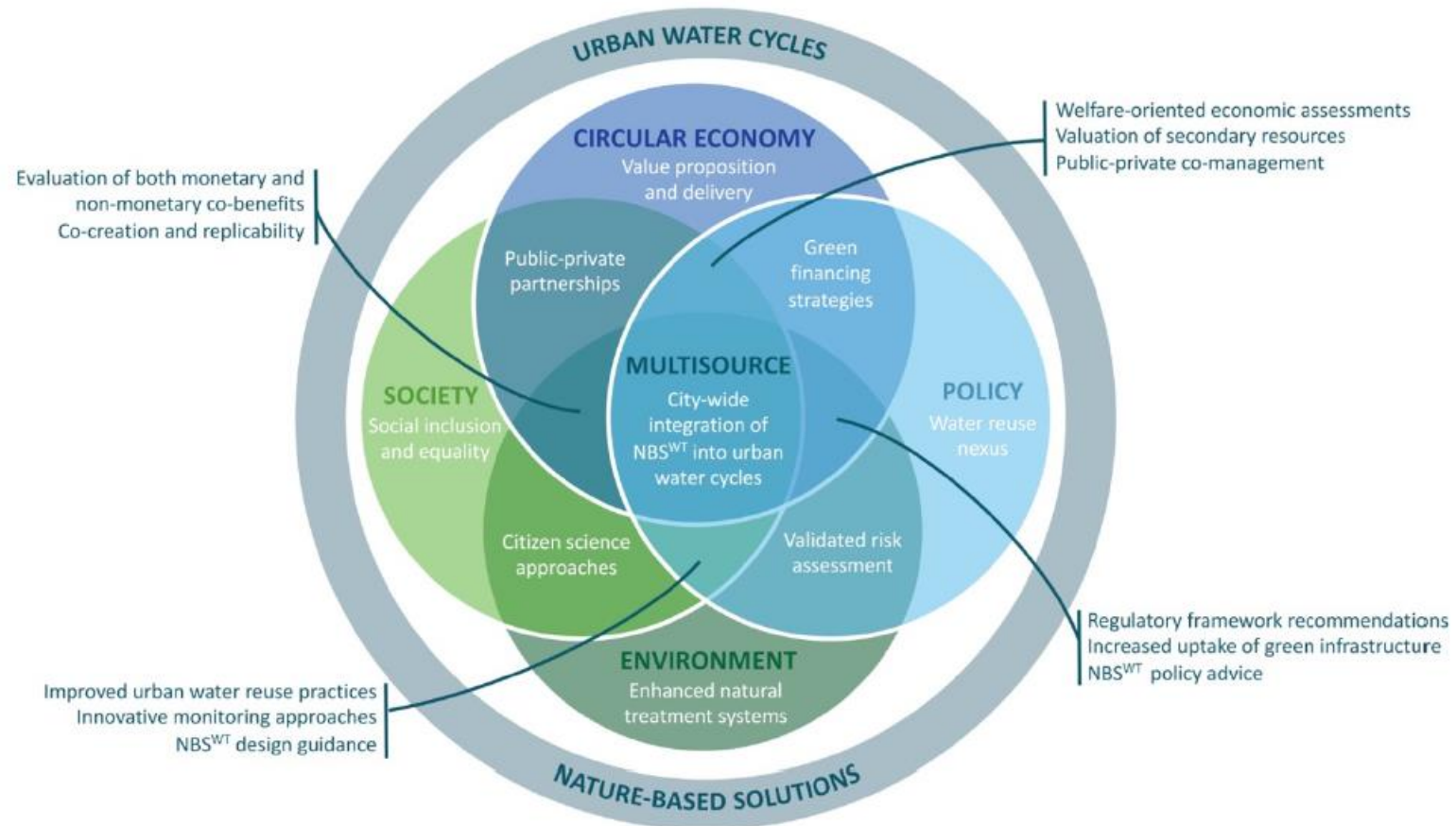


Cities



MULTISOURCE

OVERALL CONCEPT



OBJECTIVES



- Demonstrate ENTS pilots in operational environments in order to:
 - establish policy-oriented risk assessment for NBSWT based on intended reuse;
 - foster increased financial investments into NBSWT in a variety of urban settings
 - increase transfer of international know-how and technical understanding of ENTS;
- Create a basis for the identification of the most suitable NBSWT for a given context
- Enable water stakeholders to assess and compare different spatial environmental and economic scenarios (both with and without NBSWT) on a city-wide scale;
- Increase urban water stakeholder engagement in NBSWT planning, implementation & maintenance;
- Improve urban governance and policies for implementation of NBSWT in urban settings, as well as engage public standardization bodies and facilitate processes to update existing standards;

HOW? KEY COMPONENTS



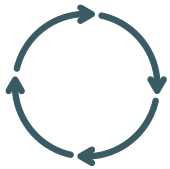
HOW?



The project includes seven ENTS pilots in seven different countries, each treating a different type of urban water.



MULTISOURCE will create customizable, open-source tools to facilitate decision support for selection, design, large-scale planning and investment in NBSWT in urban settings.



To complement the tools, demand-driven business models will be developed for post-project continuation and replication based on circular urban resource use and ecosystem services. The business models will be co-created with a diverse group of stakeholders.

7 PILOTS

France – Raw domestic wastewater



Belgium – Pretreated wastewater



Italy – Combined Sewer Overflow



USA – High-strength wastewater



Spain – Greywater



Norway – Runoff



Germany – Rainwater



IMPACT AND RESULTS

1

Monitoring of seven
ENTS pilots in
operational
environments

2

MULTISOURCE NBSWT
Selection and Design
Tool

3

MULTISOURCE Planning
Platform, an open-
source urban water
planning tool that
enables systematic
planning of NBSWT on
a city-wide scale

4

Case studies / roll-out
of MULTISOURCE tools
in partner cities

5

Policy
recommendations for
increased uptake of
urban NBS^{WT}

20 partners • 9 EEA Countries • 3 International Countries

Individual Municipalities

GIRONA (ES)
OSLO (NO)

Metropolitan Municipalities

CMM (IT)
GLYON (FR)

Small and Medium-sized Enterprises (SME)

ALCN (AT)
IRIDRA (IT)
RIETLAND (BE)

Non-Profit Organizations

FER (SI)
WE (BE)

Non-Profit SME

ICLEI (DE)

Universities

AU (DK)
HCMUT (VT)
INSA (FR)
MSU (US)
UFSC (BR)

Research Institutions

ICRA (ES)
INRAE (FR)
NIVA (NO)
UFZ (DE)

Consultancy

IT (FR)

France



Spain



Belgium



Norway



Italy



Germany



Slovenia



Austria



Denmark



Brazil



USA



Vietnam



THANK YOU



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MULTISOURCE
enhanced natural treatment solutions



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