

The Nature-Based Solutions URWAN Catalogue: recognising the vital link between NbS and water



Giulio Conte IRIDRA

### URWAN – Urban Regenerative Water Avant-garde(N)



URWAN





#### 9 partners across 7 countries

- Regional Association of Italian Towns in Lazio ANCI Lazio (IT)
- IRIDRA s.r.l. (IT)
- EuroMediterranean Center for the Sustainable Development SVIMED (IT)
- Make it Better, Association for Innovation & Social Economy (PT)
- MedCities (ES)
- Scientific Research Centre Bistra Ptuj (SI)
- Larnaka Municipality (CY)
- Energy and Water Agency (MT)
- City of Sarajevo (BA)

### 18 Associated partners from 9 countries



**Total budget** 

€ 2,836,118.00



Project duration 33 months

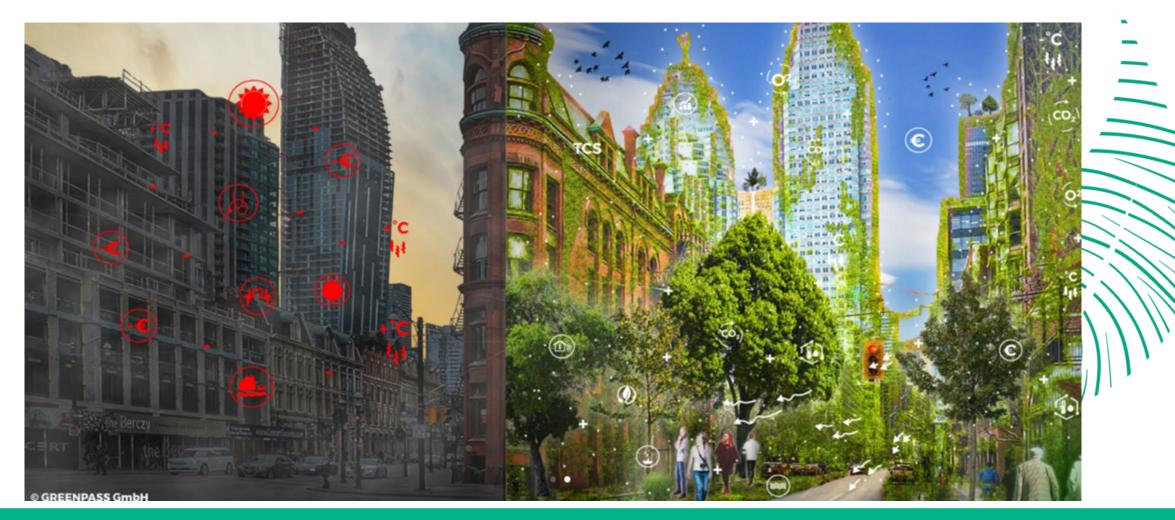


Interreg Funds € 2,268,894.40





## **Nature-Based Solutions**





URWAN





# NBS gaining momentum





Nature-based Solutions towards sustainable communities













Nature-based Solutions for climate mitigation





Towards an EU Research and Innovation policy agenda for Nature-Based Solutions & Re-Naturing Cities

Final Report of the Horizon 2020 Expert Group on Nature-Based Solutions and Re-Naturing Cities



NV.



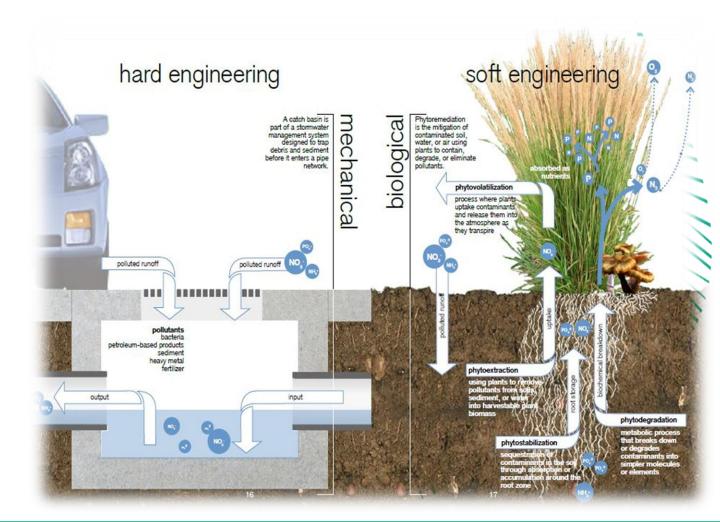
# **NBS vs conventional solutions**

Dealing with nature may provide several advantages, but it requires a different attitude:

 Understand the needs of «live» matter (space for the crown of the trees, soil for the roots, photosynthesis:
 CO2 + H2O → C6H12O6)

### Accept more uncertainty and unpredictability

Accept the nuisance of co existence with other species







# The greening of urban areas needs water



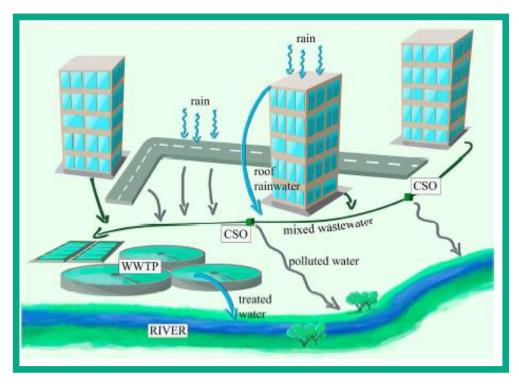


Urban green interventions must be multipurpose >>> the design of urban space shall enhance the provision of ecosystem services <<< The greening of urban areas needs water

>>> water scarcity, and extended
dry periods in summer months,
especially in the Med area, shall
be considered when designing
green spaces <<<</pre>



## NBS as urban green infrastructures: a new state of mind



energy - heat rain ROOF CW clean water grey water clean clean rain water VERTICAL GARDEN ere CW SHORT ROTATION SUDS PLANTATION PARK roof black water clean rainwater N.P water clean water POND irrigation CW CROPS overflow clean water RIVER

## New approach

**Conventional approach** 





NAWAMED focused on urban water management by demonstrating and promoting innovative, sustainable, decentralised, and low-cost treatment technologies, replacing the use of potable water with good quality Non-Conventional Water



- Real-scale pilot installations for greywater/rainwater treatment and reuse, including green walls (vertical vegetation set up on building façades) and wetlands
- ✓ **Technical visits** to pilot sites
- ✓ Training workshops organised for technical staff
- Decision Makers workshops
- 'Water tables' aimed at boosting new policies for more sustainable water management

ENI CBC MED Programme

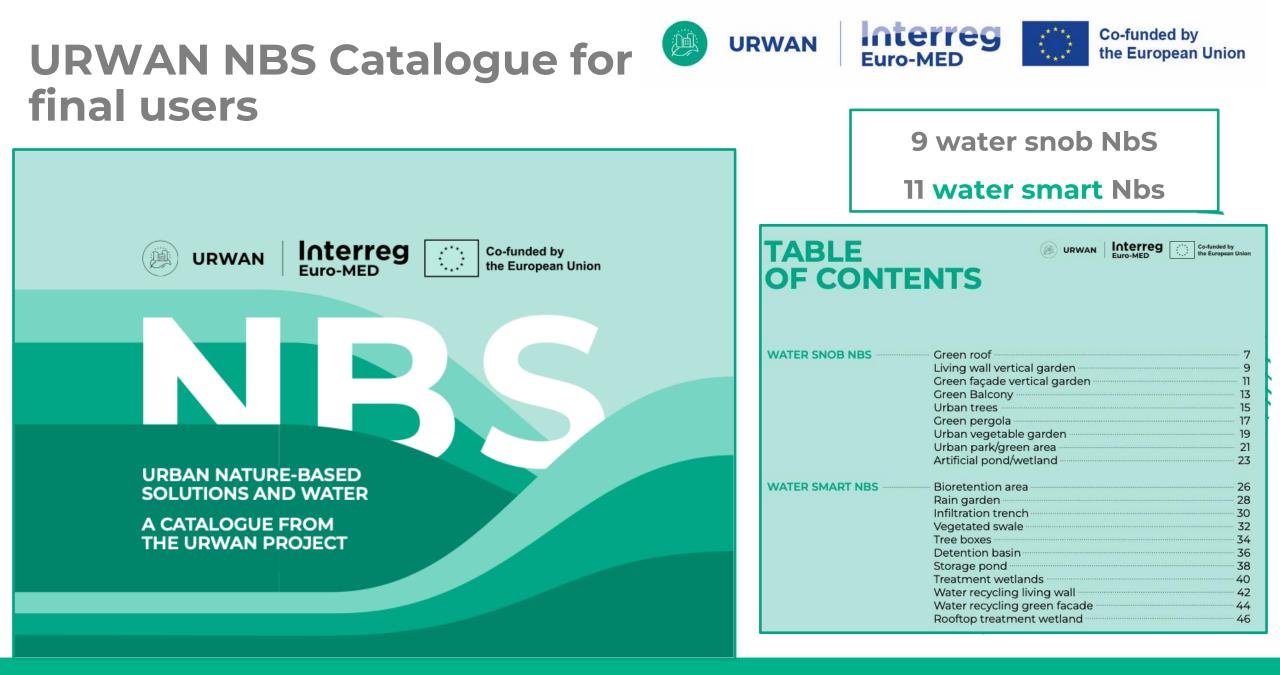
7 partners from 5 EU and Non-EU countries

Co-funded by

the European Union

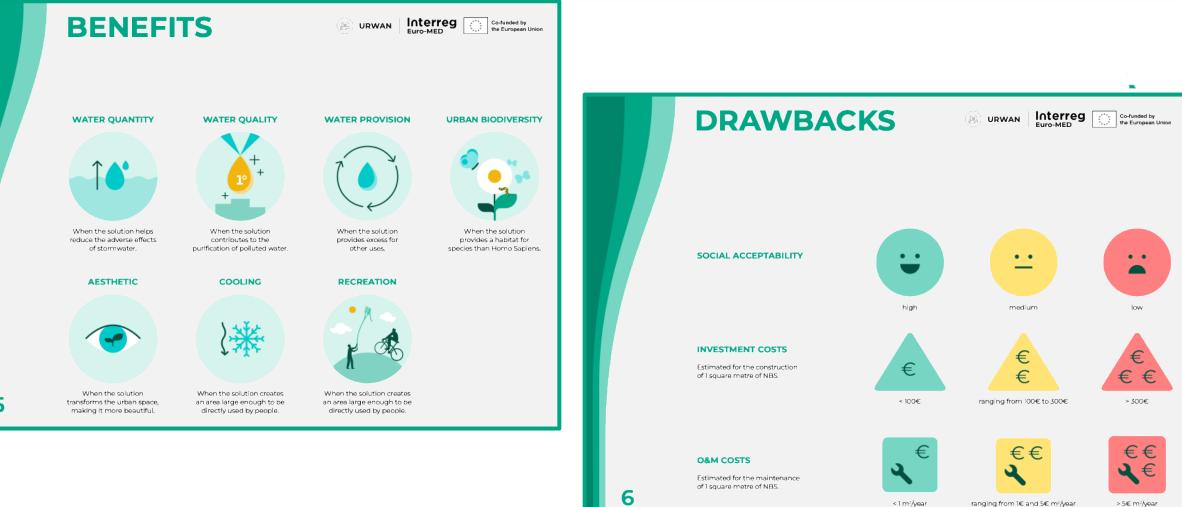
Budget: 3.2 Million total budget

**Duration in months: 48 months** (ended 09/23)





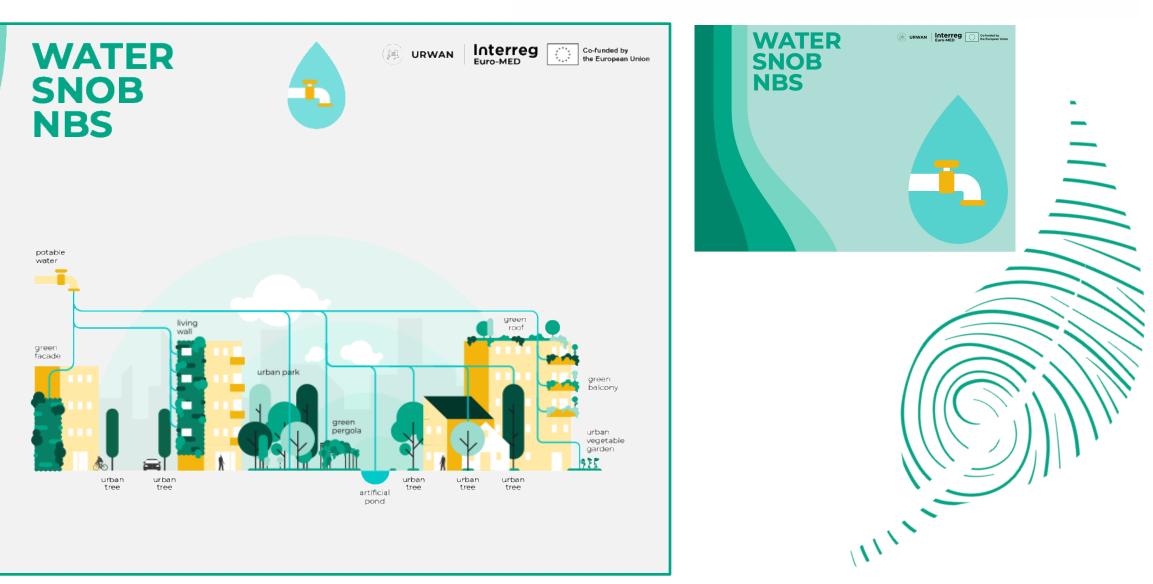






Co-funded by

the European Union



7







water smart



2

water SMART NBS (<u>)</u>

URWAN



Interreg

water

provision

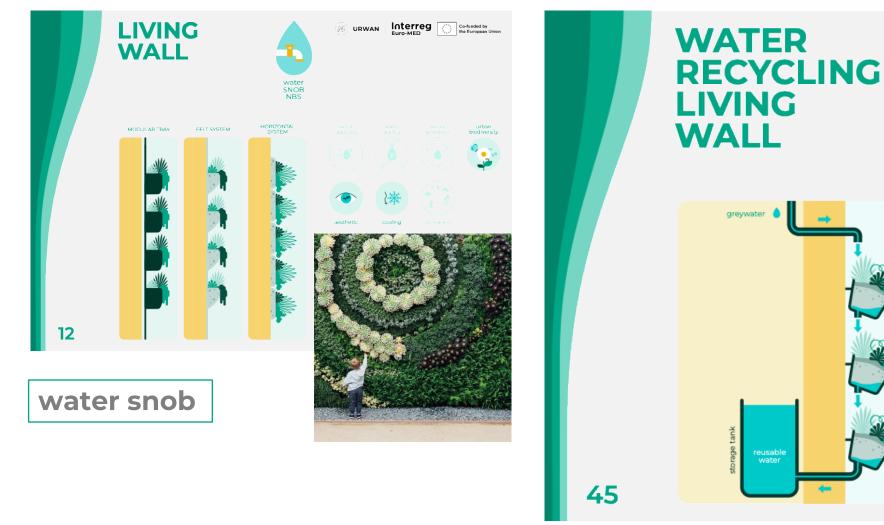
water

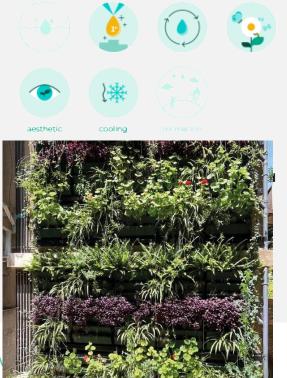
quality

Co-funded by the European Union

urban

biodiversity







water smart



(<u>)</u>

URWAN



Interreg

water

quality

the European Union

 $\bigcirc$ 

water

provision

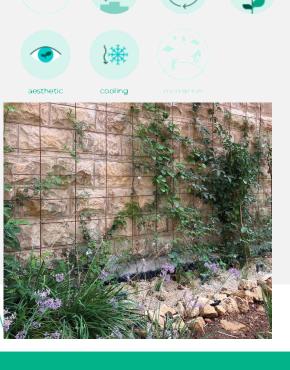
Co-funded by

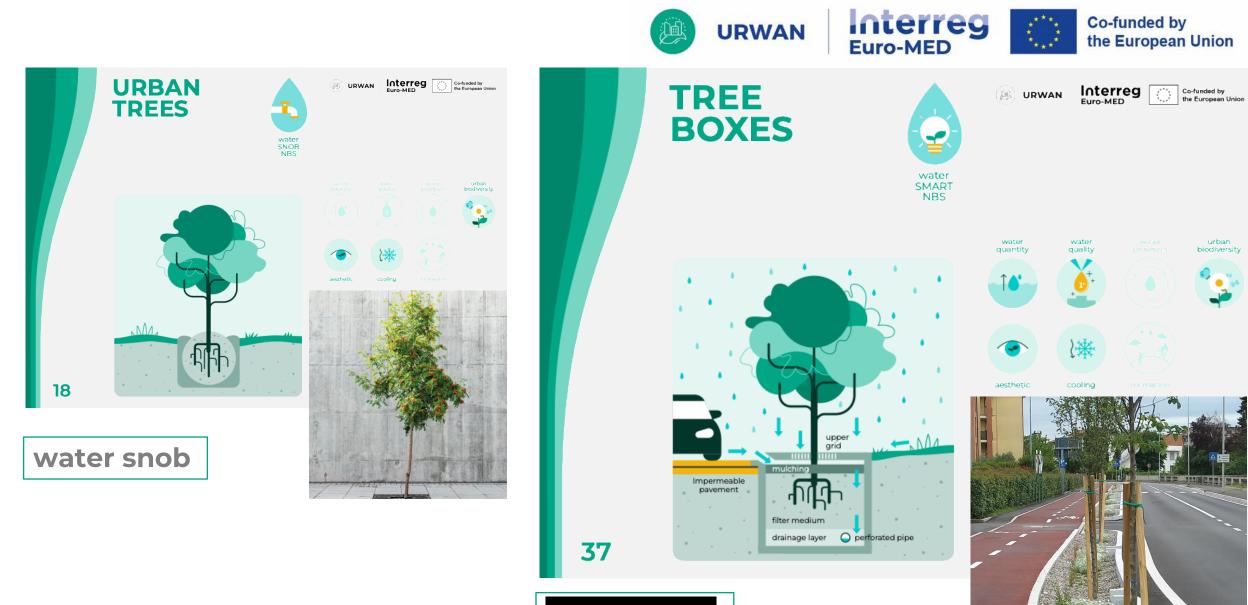
the European Union

urban

biodiversity











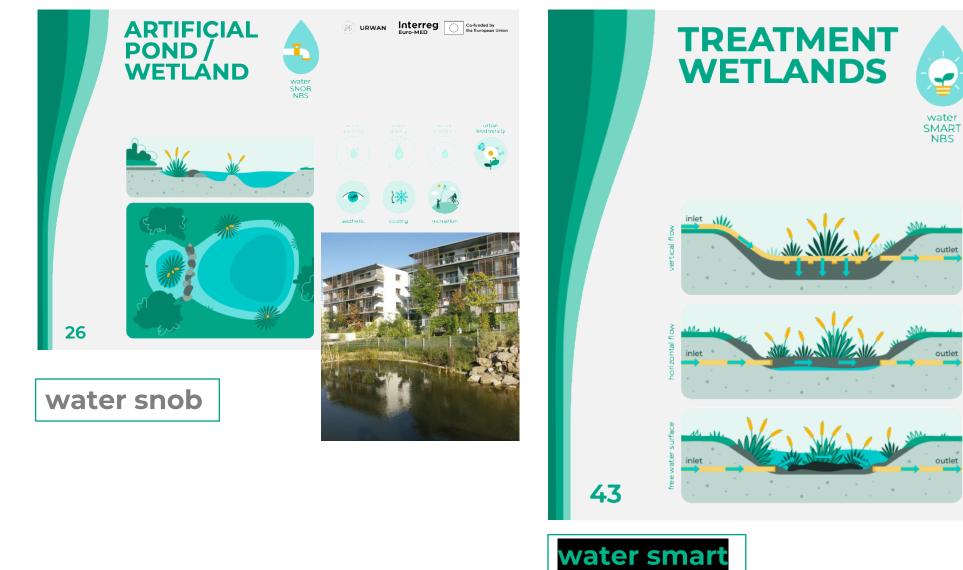




Co-funded by the European Union

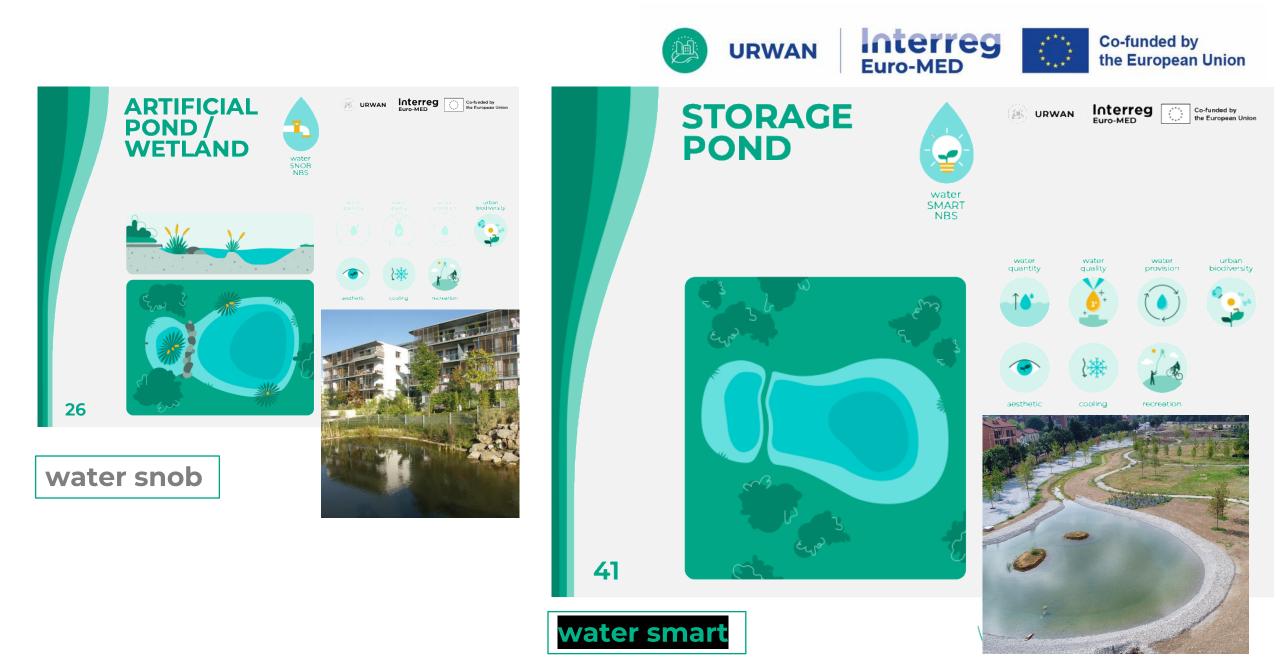
Interreg

(III) URWAN









## **Contact details:**

Giulio Conte <u>conte@iridra.com</u>

Websites: www.iridra.eu

https://urwan.interreg-euro-med.eu

www.enicbcmed.eu/projects/nawamed www.pareteverdeferla.it







