

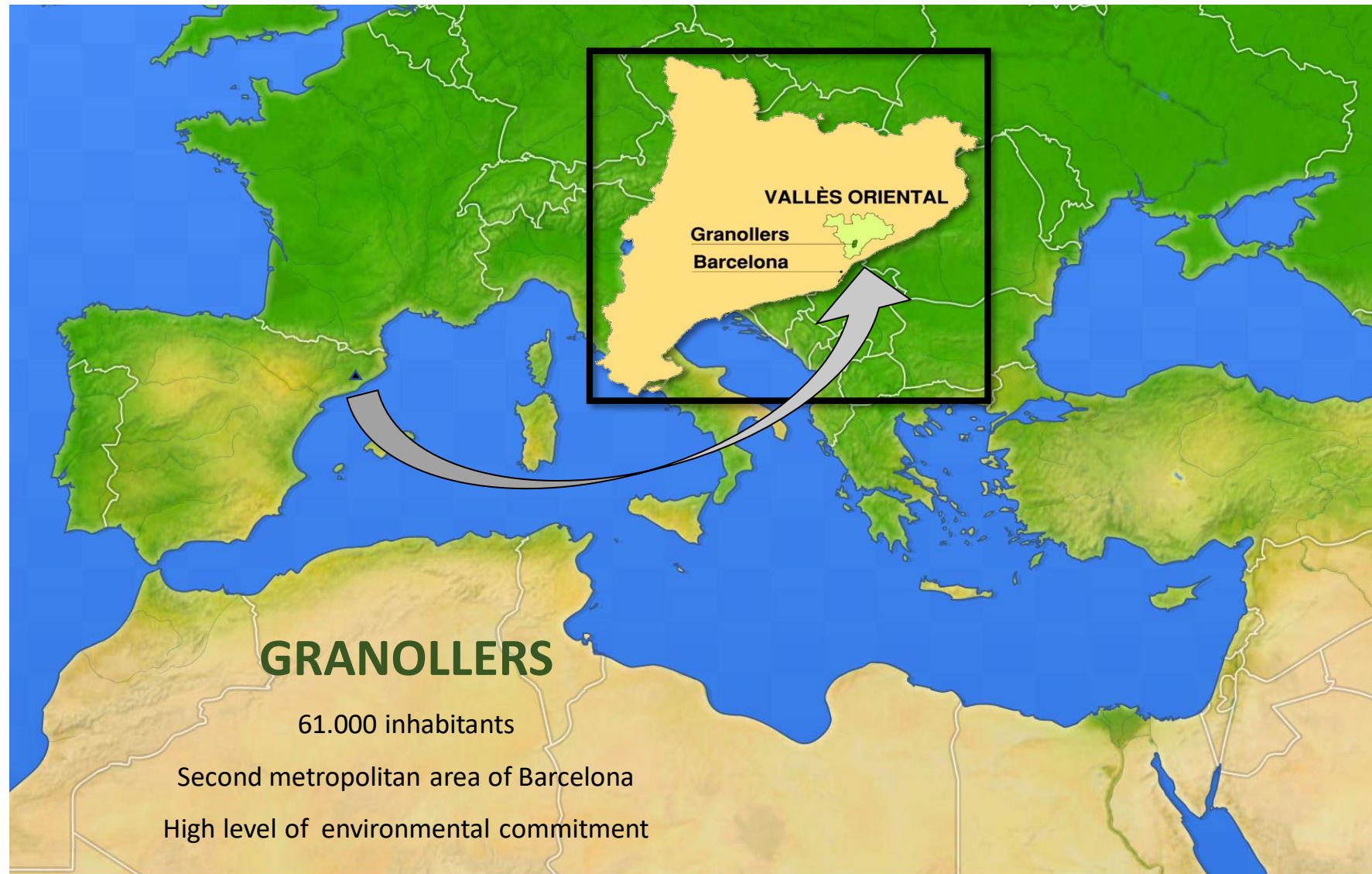
CIRCULARIDADE DO RECURSO ÁGUA NAS CIDADES

THE CASE OF WATER REUSE IN GRANOLLERS O caso da reutilização de água em Granollers



Ajuntament
Granollers

15th September 2021



WATER GOVERNANCE

Ensure water security

Water ordinance, phreatic water and
water reuse!

It's time to promote water reuse projects

Reuse at local level

BIODIVERSITY

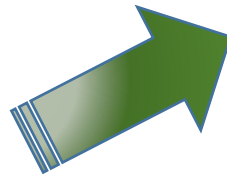
SOCIAL
RECOVERY

AWARENESS

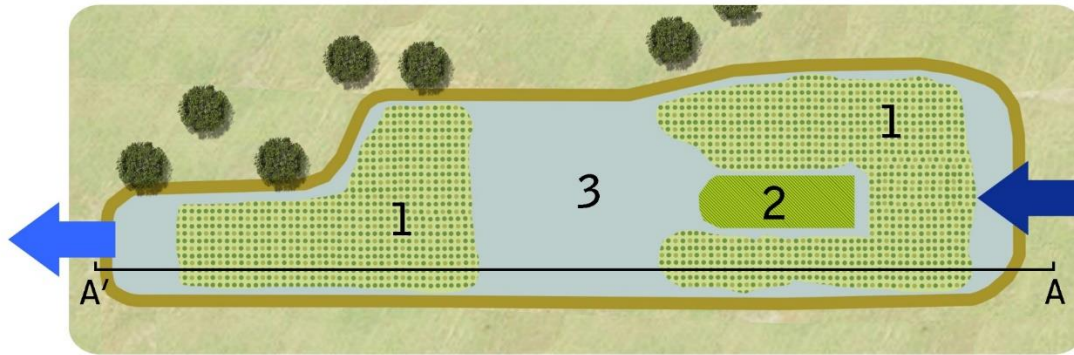
From
manifesto
of project:



RECOVERY OF THE CAN CABANYES AREA

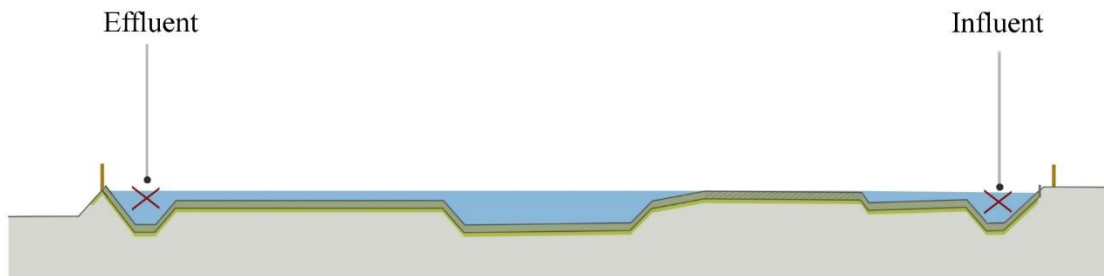


WETLAND DESIGN



- 1 Shallow area with aquatic vegetation
- 2 Island
- 3 Deep area without vegetation

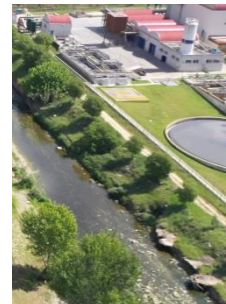
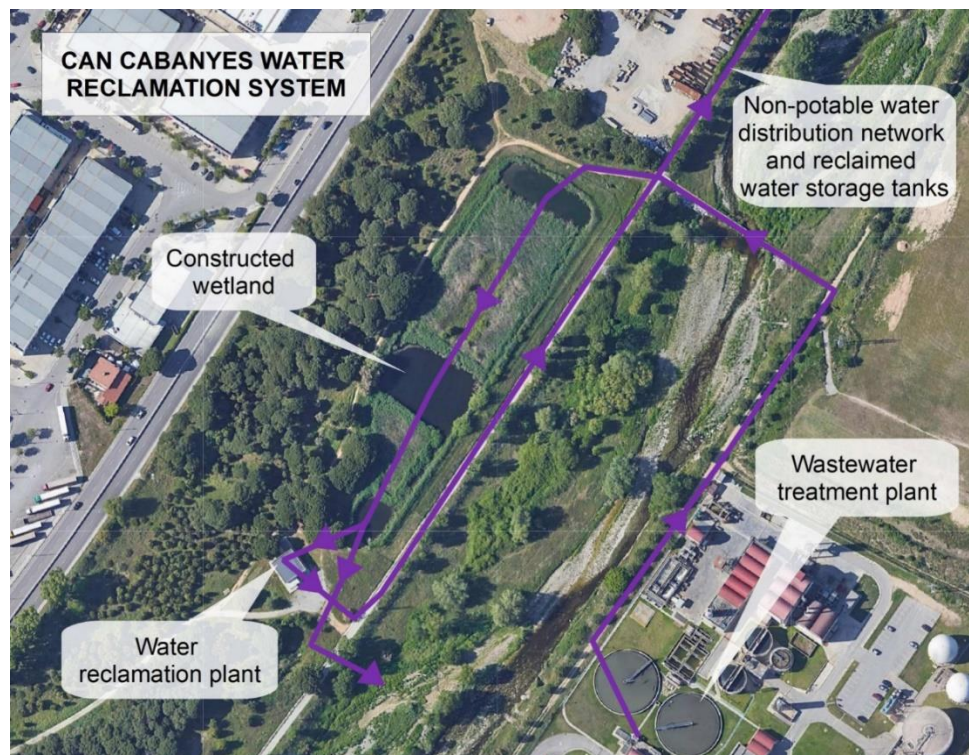
Wetland section A - A'



Tertiary treatment wetland

FROM WASTEWATER TO RECLAIMED WATER

ENVIRONMENTAL USE



**WATER
RECLAMATION
PLANT**



**MUNICIPAL
USES**

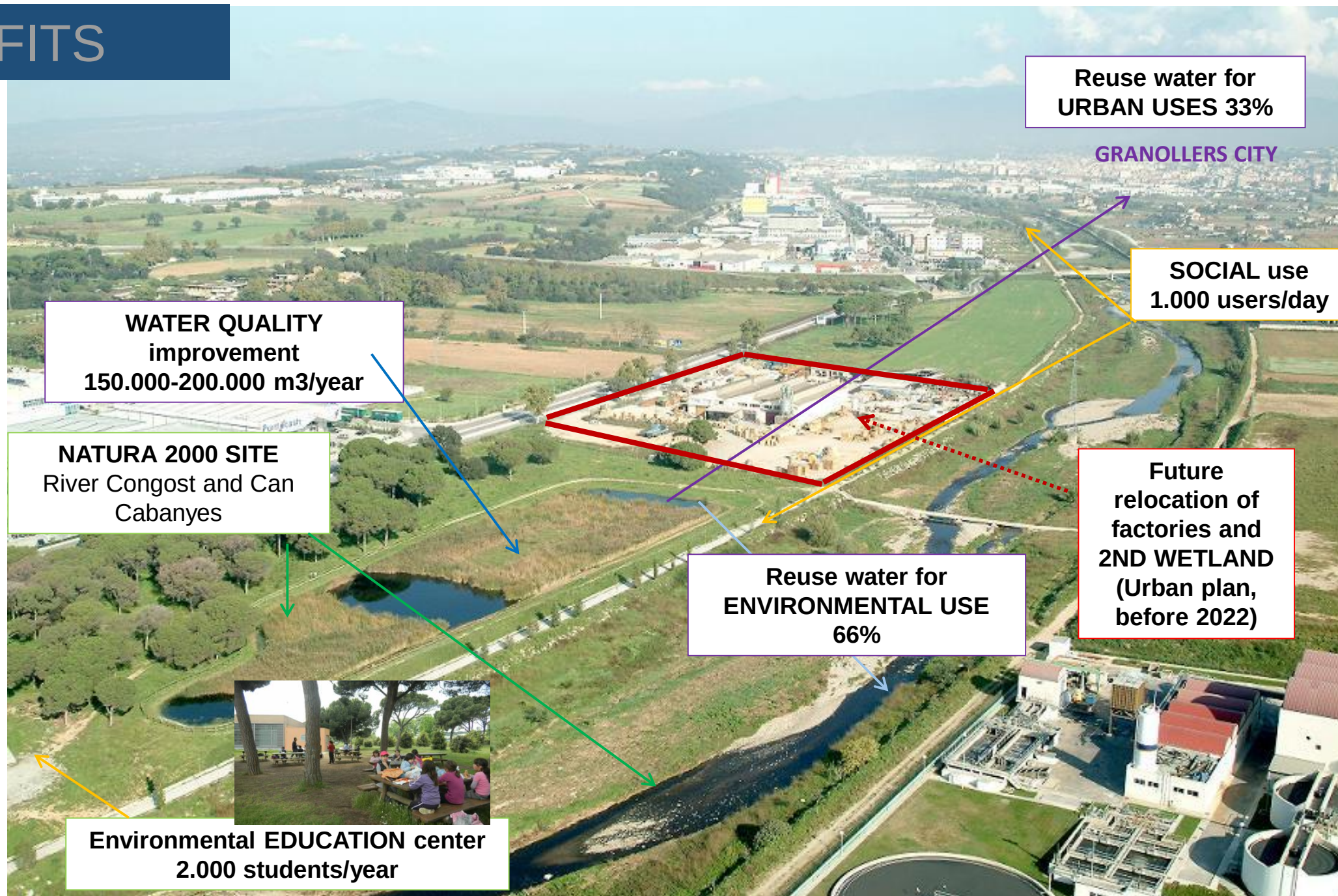


WWTP

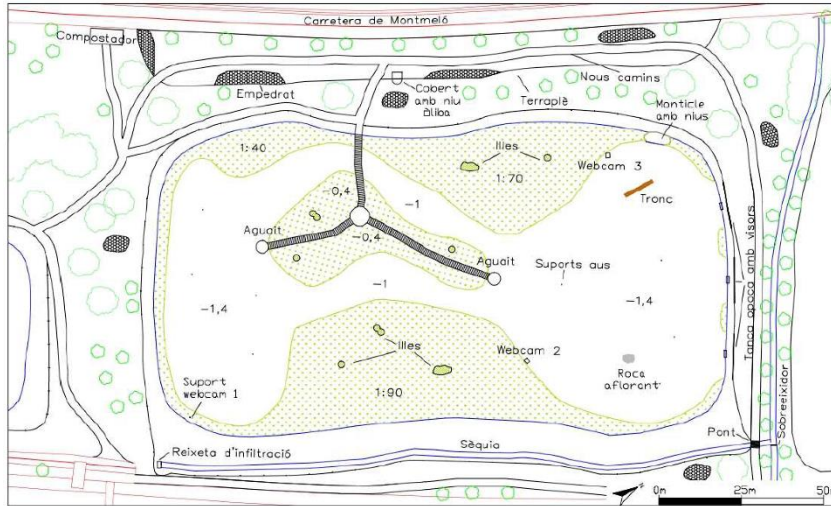


CITY

BENEFITS



EXPAND THE NATURAL AREA: 2ND WETLAND



First proposal – UPC – 2009



Expanded wetland design – Sapienza Università di Roma – 2014



MASTER PLAN – 2018

BRINGING REUSE WATER TO THE WHOLE CITY



**EXPANSION
PROJECT TO
THE NORTH
OF THE CITY
IN 2022 AND
2023**

**New financing
by Catalan
Water Agency**



**New infrastructure in the
north of municipality**

**WATER REUSE NETWORK
FROM CAN CABANYES TO THE CITY**

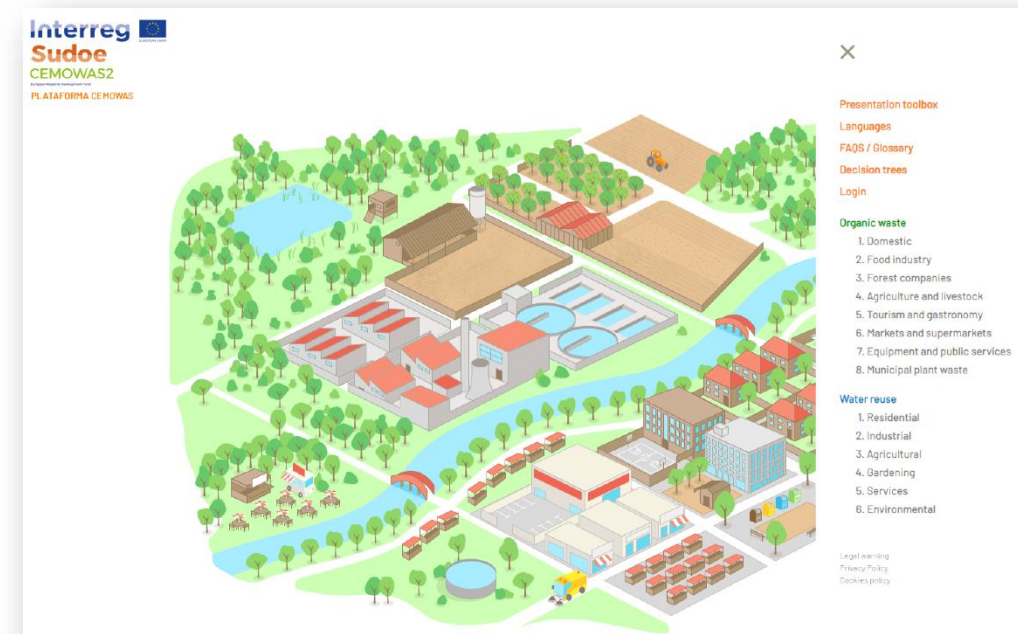
CEMOWAS2: PILOT PROJECTS IN GRANOLLERS



Quality of water (by
Polytechnical
University of
Catalonia)



**Watering a vegetable garden
with phreatic and reclaimed
waters** (by L'Espigall)



**Online platform for water and
organic waste managers**
(By consortium Cemowas2)

<http://toolbox.cemowas2.com/>

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xromero@granollers.cat

Ajuntament de  Granollers

Interreg 
Sudoe
CEMOWAS2
European Regional Development Fund

