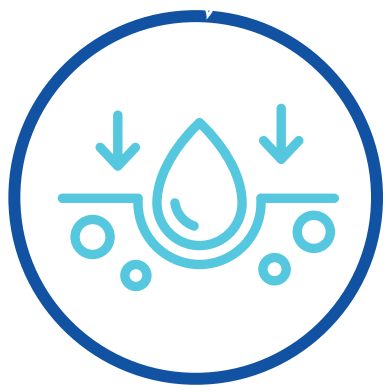




Lisbon Portugal



CURRENT SITUATION

In Lisbon, greywater and blackwater are treated together in WWTPs, while stormwater is drained directly.

Public buildings should reduce water use by reusing non-potable water in line with EU Regulation 2020/741.

NEGATIVE EFFECTS



High water consumption in public buildings and limited reuse of greywater and rainwater increase pressure on water resources.

Challenges

Increasing greywater reuse in public buildings



Improving the efficiency and sustainability of green infrastructures



SOLUTIONS

WATERSENS will upgrade a green wall to treat and reuse greywater and test its integration with a pilot green roof.

Together, they will form a combined system to reuse rainwater and greywater for non-potable uses, while optimising plant species, substrates, and irrigation strategies to improve efficiency and scalability.