Water Europe Technology & Innovation

Urban Water Cycle Observatory
Published in the Water Europe Marketplace

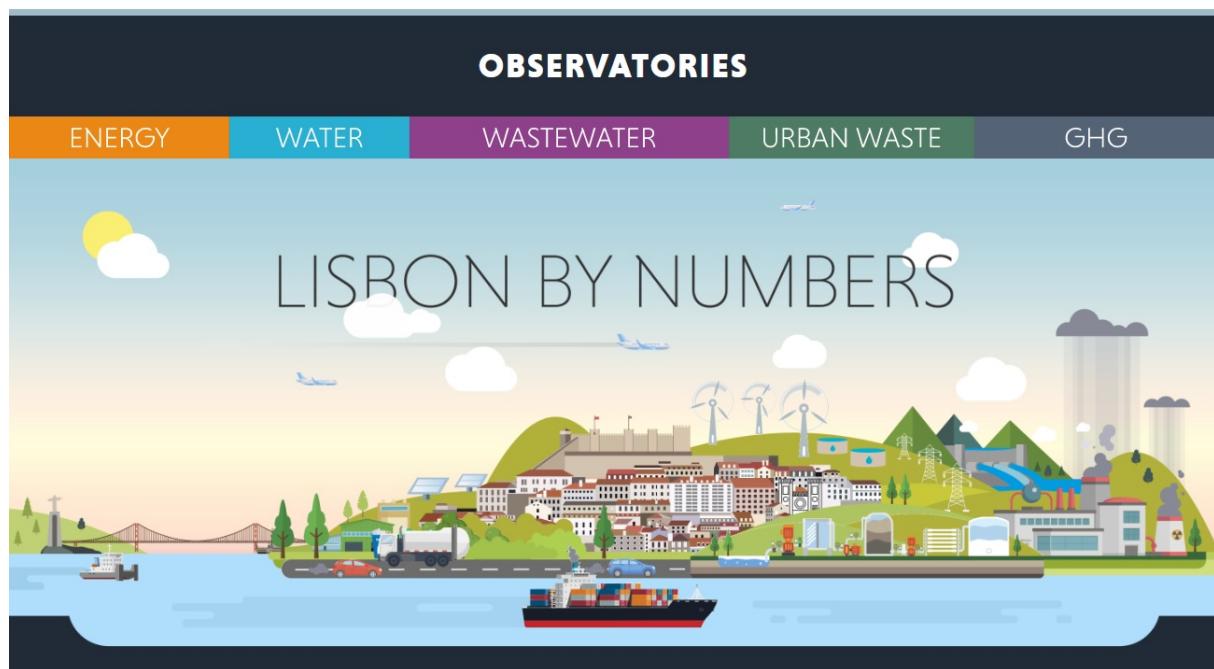🔧 **Product factsheet**

Urban Water Cycle Observatory

Software solution
Service offering
Methodology or process

observatórios LISBOA

Description

The Urban Water Cycle Observatory is a data visualization instrument for monitor and communicate performance, support urban planning and decision making.

It flows the motto "to know so to reduce".

Creative data to build awareness, engage and empower citizens at local level and beyond.

The Urban Water Cycle Observatory is divided in two complementary tools:

- a public access tool, with open data information of the water and wastewater city dimensions (top-down approach);
- a private access tool, for individual entities integrate and analyse, via a set of data analytics, the water consumption data of their facilities (bottom-up approach).

Urban Water Cycle Observatory

Published in the Water Europe Marketplace

Training material of the Urban Water Cycle Observatory is available at https://www.youtube.com/watch?v=wPbHhzhT44E

Target audience

Public access: Citizens, Municipalities (specially Lisbon municipality in the scope of the Lisbon LL), Urban management authorities, Academia, Researchers, NGOs, Media and other key stakeholders Private access: Municipalities (specially Lisbon municipality in the scope of the Lisbon LL), Private institutions of public interest, Entities with high water use.

Actors, their roles and interactions

- Public access: Citizens (Better-informed society, Citizens engaged and empowered for water efficiency - users), Municipality (Sustainability policies - users), Water and Wastewater utilities (data providers), Any other entities (users).
- Private access: Lisbon Municipality (living lab owner, tool user), Water and Wastewater utilities (data providers) and entities with high water use (tool users).

Unique selling points

The Public access of the Lisbon Water Observatory addresses the need for a transparent, simplified visualisation of water use and for a deeper understanding of possible levers to contribute to smart water use, to a secure water supply, increase resilience and save resources.

The Private access responds to the need of users to have a platform with water consumption, data analysis in an integrated manner providing a holistic, transparent, and simplified view of water consumption/use, to support decision making and foster sustainable water use, as well allowing analysis per facility or aggregation of consumption by type of water use and associated costs.

Both the accesses foster the digitalization and use of big data, to promote efficiency and protection of the water resource.

Technical requirements

- Public access: Only an updated browser is needed to use the tool.
- Private access: Only an updated browser is needed to use the tool

Software data

- Version: 2.0 (Last update: 2022-10-27)
- Initial release: 2021

Urban Water Cycle Observatory

Published in the Water Europe Marketplace

Publications

Publications related with the tool, product or service

- https://lisboaenova.org/relancamento-dos-observatorios-lisboa/
- https://lisboaenova.org/lancamento-da-nova-versao-da-plataforma-observatorios-lisboa/
- https://www.lisboa.pt/capital-verde-2020/noticias/detalhe/relancamento-dos-observatorios-de-lisboa
- https://www.lisboa.pt/cidade/ambiente/qualidade-ambiental/agua
- https://www.adene.pt/camara-municipal-de-lisboa-distingue-adene-pela-cooperacao-no-portal-observatorios-lisboa/
- Revista (Magazine) Smart Cities Portugal, n. 36, Article "DAR DE BEBER ÀS CIDADES", written by Rui Mendes, in which the Lisbon Observatories and the B-WaterSmart Project was mentioned - https://smart-cities.pt/noticias/agua-cidades-3009-lisboa-enova/

URL

https://observatorios-lisboa.pt/

Technology applied by the product

- **Resource for Circular Economy**

Costs

Public access: No costs for using the public access of the Urban Water Cycle Observatory of Lisbon and download available data. Private access: No costs for the Lisboa E-Nova associated entities (including Lisbon Municipality) and private institutions of public interest.
Last update: 2022-10-27

Case Study applying the product

Lisbon, Portugal

https://mp.watereurope.eu/d/CaseStudy/45

Water Europe
Technology & Innovation

Urban Water Cycle Observatory
Published in the Water Europe Marketplace

Related tags

climate change   efficiency   performance   reduce   stakeholders   synergies   water

water management   Circular Economy   Water demand tool   Real time monitoring

water balance   Closing water cycle   Creative data to build awareness

engage and empower citizens   Better-informed society

Transparent and accessible information   Water smartness for responsible consumer

Sustainable water use   Improve water efficiency   Data analysis