Product factsheet

Urban Water Cycle Observatory

Software solution
Service offering
Methodology or process

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).

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

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

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