



Product factsheet

Environment for decision support and alternative course selection

Software solution

		Planning				
		2023	2024	2025	2026	2027
A.600 0 - Status quo						
M00	Satisfied Demand	100.00	100.00	100.00	100.00	100.00
M01	Reclaimed water used	0.00	0.00	0.00	0.00	0.00
M02	Reclaimed water use vs availability	0.00	0.00	0.00	0.00	0.00
M03	Energy consumption	0.66	0.66	0.66	0.66	0.66
M04	Carbon footprint of energy consumption	0.16	0.16	0.16	0.16	0.16
M05	P-fertilizer production avoided	0.00	0.00	0.00	0.00	0.00
M06	CAPEX	0.05	0.05	0.05	0.05	0.05
M07	OPEX	2.12	2.18	2.43	2.48	2.52
M08	Total cost	2.17	2.22	2.47	2.53	2.56
A.601 1 - Easy win						
M00	Satisfied Demand	100.00	100.00	100.00	100.00	100.00
M01	Reclaimed water used	0.00	0.00	0.00	0.00	0.00
M02	Reclaimed water use vs availability	0.00	0.00	0.00	0.00	0.00
M03	Energy consumption	0.43	0.43	0.43	0.43	0.43
M04	Carbon footprint of energy consumption	0.11	0.11	0.11	0.11	0.11
M05	P-fertilizer production avoided	0.00	0.00	0.00	0.00	0.00

Description

A multi-criteria decision framework designed to allow for direct comparison of the supply/demand matchmaking alternatives produced by the water-energy-phosphorous balance planning module and potentially qualified by the reclaimed water distribution network water quality model and the risk assessment for urban water reuse module.

The high-level goal of this tool is to enable users to select the best water source combinations to satisfy specific non-potable uses, and to enable prioritisation of strategic and tactical planning options on the governance of water sources and water uses in an urban setting.

D E V E L O P E

Target audience

Water demand planners and decision-makers in urban management, municipal and water utility contexts.

Unique selling points

Standardized means to compare reused water supply/demand combinations through multiple criteria.

Technical requirements

Computer, tablet or smartphone with internet access.

Software data

- Initial release: 2023
- License type: Commercial

Technology applied by the product

- Resource for Circular Economy

Case Study applying the product

Lisbon, Portugal



<https://mp.watereurope.eu/d/CaseStudy/35>

Related tags

water Reuse Supply Demand multicriteria