



## Product factsheet

# Environment for decision support and alternative course selection

Software solution

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