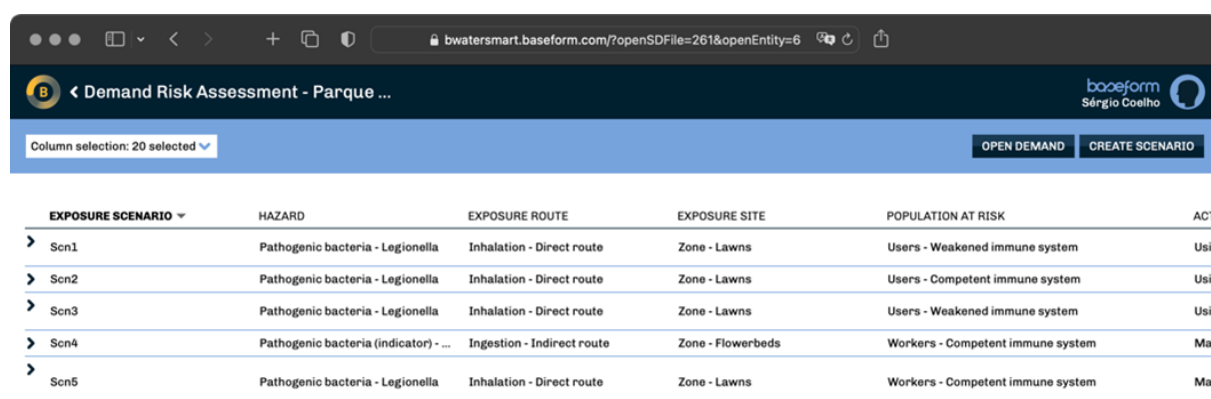




## Product factsheet

# Risk Assessment for urban water reuse module

Software solution



The screenshot shows a web application interface for 'Demand Risk Assessment - Parque ...'. It features a table with 6 columns: EXPOSURE SCENARIO, HAZARD, EXPOSURE ROUTE, EXPOSURE SITE, POPULATION AT RISK, and ACTI. The table lists 5 scenarios (Scn1 to Scn5) with details on hazards (Pathogenic bacteria - Legionella), exposure routes (Inhalation - Direct route, Ingestion - Indirect route), exposure sites (Zone - Lawns, Zone - Flowerbeds), and population at risk (Users - Weakened immune system, Workers - Competent immune system). The interface also includes a 'Column selection: 20 selected' dropdown, 'OPEN DEMAND' and 'CREATE SCENARIO' buttons, and a user profile for 'boceform Sérgio Coelho'.

EXPOSURE SCENARIO	HAZARD	EXPOSURE ROUTE	EXPOSURE SITE	POPULATION AT RISK	ACTI
Scn1	Pathogenic bacteria - Legionella	Inhalation - Direct route	Zone - Lawns	Users - Weakened immune system	Usin
Scn2	Pathogenic bacteria - Legionella	Inhalation - Direct route	Zone - Lawns	Users - Competent immune system	Usin
Scn3	Pathogenic bacteria - Legionella	Inhalation - Direct route	Zone - Lawns	Users - Weakened immune system	Usin
Scn4	Pathogenic bacteria (indicator) - ...	Ingestion - Indirect route	Zone - Flowerbeds	Workers - Competent immune system	Mair
Scn5	Pathogenic bacteria - Legionella	Inhalation - Direct route	Zone - Lawns	Workers - Competent immune system	Mair

## Description

A human and environmental risk framework that assesses supply/demand combinations, based on a range of current risk standards and regulations including:

- ISO 16075 Guidelines for treated wastewater use for irrigation projects (2020, 2021),
- ISO 20426:2018 Guidelines for health risk assessment and management for non-potable water reuse,
- ISO 20761:2018 Guidelines for water reuse safety evaluation,
- EU Regulation 2020/741 on minimum requirements for water reuse.

## Target audience

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

## Unique selling points

Standardized means to combine and assess reused water source combinations to satisfy specific demands.

## Technical requirements

Computer, tablet or smartphone with internet access.

D E V E L O P E

## Software data

- Initial release: 2023
- License type: Commercial

## URL

<https://bwatersmart.baseform.com>

## Technology applied by the product

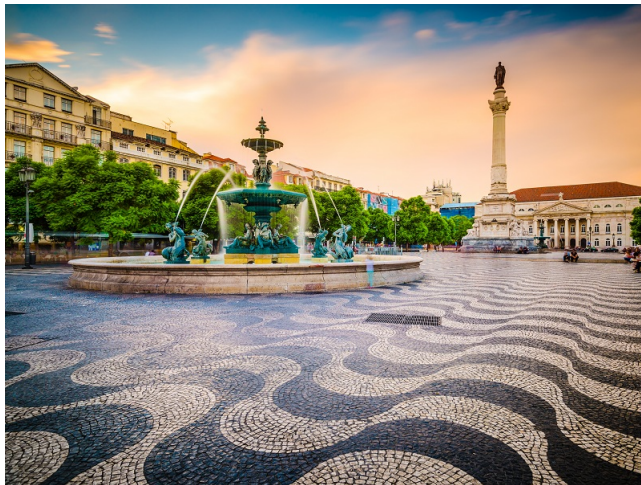
- Resource for Circular Economy

## Costs

Not available at this stage.

## Case Study applying the product

### Lisbon, Portugal



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

## Related tags

water

Reuse

Supply

Demand