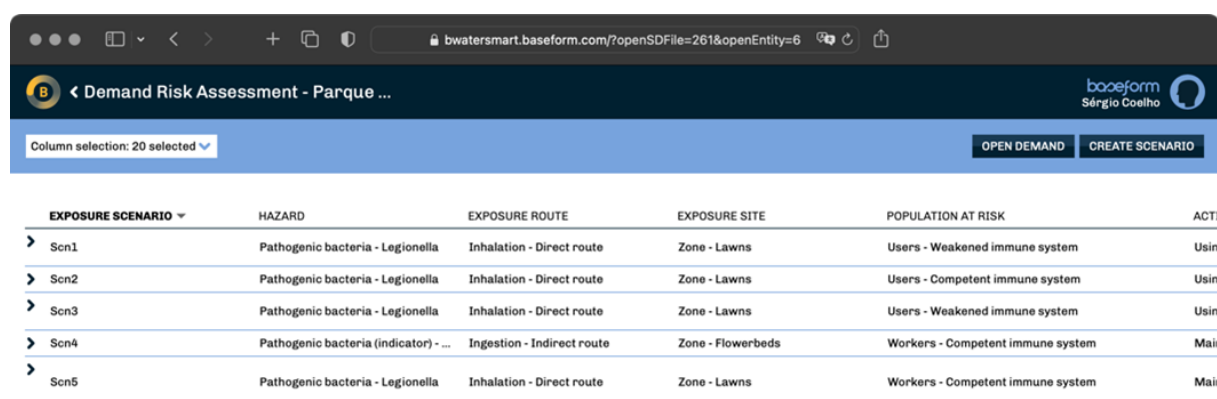




Product factsheet

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

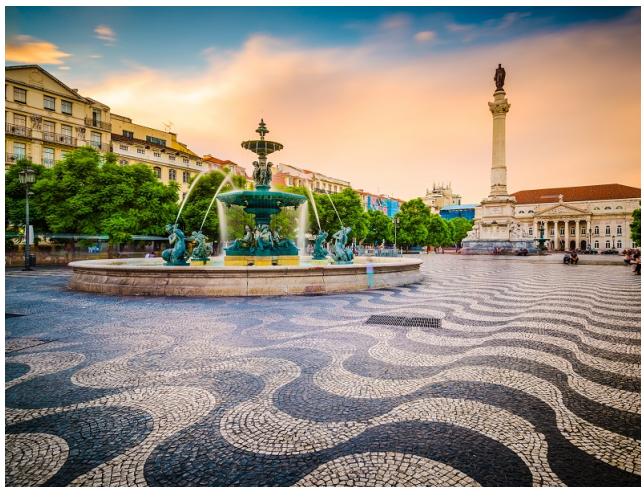
- Resource for Circular Economy

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