

Targets



End-users

Municipalities, water utilities, public authorities, citizens



Lead-users

Environmental consulting firms, green infrastructures suppliers, software developers, monitoring solutions providers



Scientific community

In the field of water technologies, environmental sciences, chemistry, computer engineering, etc.

About us



WATERUN (2022-2026) has received funding from the European Union's under Horizon Europe programme, Grant agreement n° 101060922



Partners

Coordination by AIMEN Technology Center



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- www.waterun.eu
- [@EU_Waterun](https://twitter.com/EU_Waterun)
- [@eu-project-waterun](https://www.linkedin.com/company/eu-project-waterun)



Abbreviation

DSS: Decision Support System; **GI:** Green Infrastructure; **ISB:** International Stakeholder Board; **LSB:** Local Stakeholder Board, **PHAs:** Polycyclic aromatic hydrocarbons; **SW:** Storm Water; **UWR:** Urban Water Runoff

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Diffuse water pollution in urban areas remains a serious global environmental issue. Urban diffuse pollution enters the urban water catchment through precipitation, infiltration, or runoff processes from different urban surfaces. The cumulative effects of that pollution can have significant negative impacts on human well-being and ecosystem health.



WATERUN aims to develop an innovative methodology to contribute to the implementation of urban water runoff (UWR) management plans in cities based on the Water-Sensitive Urban Design (WSUD)

Specific needs addressed by WATERUN

- ✓ Water related risks mitigation
- ✓ More resilient and cost-effective water infrastructures and services
- ✓ Less-leakage, integrated and flexibility adaptative water management
- ✓ Water security (i.e. pollution control)
- ✓ Effective and integrated framework of governance
- ✓ Increased knowledge and common frame of reference for safety measures and levels of risks

Our concept & method

UWR management methodology

From source identification to decision making



Pillars



Two paths for innovative solutions

Project implementation

- ✓ Multi-actor co-creation process: LSB and ISB
- ✓ Interdisciplinary consortium
- ✓ Validation in **3 case studies** in 3 climate zones, land use and UWR purpose


Santiago de Compostela
Spain


Amman
Jordan


Aarhus
Denmark

R&D Innovation

- ✓ Monitoring protocols for UWR and on-site sensors for PAHs and microplastics
- ✓ Innovative modelling tools for diffuse pollution control
- ✓ GI optimisation for diffuse pollution mitigation
- ✓ Risk based DSS for decision making