

Innovative methodology to prevent and mitigate diffuse pollusion from urban water runoff



TO ADRESS

- Comprehensive monitoring protocol & advanced sensing for urban diffuse pollution controls
- Identification of critical sources of urban diffuse pollution
- Novel planning approaches for sustainable SW management
- Implementation and validation of GI for diffuse pollution mitigation
- Risk assessment for UWR management and reuse



FOR

- End-users: Municipalities, water utilities, public authorities, citizens
- Lead-users: Environmental consulting firms, green infrastructures suppliers, software developers, monitoring solutions providers
- Scientific community: water technologies, environmental sciences, chemistry, computer engineering, etc.



Innovation

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WATERUN approach







Demonstration

Specific needs

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

R&D Innovation

- Monitoring protocole for UWR and onsite senors for PAHs and microplastics
- Innovative modelling tools for diffuse pollution control
- GI optimisation for diffuse pollution mitigation

Risk based DSS for decision making

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

3 case studies









Consortium



























