



## PROJECT PARTNERS

- City of Budapest, District 14 Zugló Municipality (HU)
- Budapest Sewage Works Plt. Ltd. (HU)
- Turin Municipality (IT)
- Poliedra - Service and consultancy centre at Politecnico di Milano on environmental and territorial planning (IT)
- Maribor Water Supply Company (SI)
- E-Institute (SI)
- City of Bydgoszcz (PL)
- Institute for Sustainable Development Foundation (PL)
- Public Institution RERA SD for Coordination and development of Split-Dalmatia County (HR)
- Split water and sewerage company Ltd. (HR)
- Association for Rainwater Harvesting and Water Utilisation (DE)



Fővárosi  
Csatornázási Művek Zrt.



● Poliedra  
POLITECNICO DI MILANO



INSTITUTE  
for SUSTAINABLE  
DEVELOPMENT



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## CITY WATER CIRCLES

Urban Cooperation Models for enhancing water efficiency and reuse in Central European functional urban areas with an integrated circular economic approach



*"When the well is dry,  
we know the worth of water."*

Benjamin Franklin



## NEW RISKS IN CITY WATER MANAGEMENT

Climate change brings **new risks to the hydrological balance of cities**. We face wobbling precipitation, **long dry periods, heavy rains and flash floods** more often. The growing drinking water consumption and rising amount of wastewater in the Central European region are overloading the outdated infrastructure. These aggregated factors jeopardize **the safety of future water supplies**.

## CITIES OF CENTRAL EUROPE TAKE THE CHALLENGE ON

Recognizing this emerging threat, municipalities and public (waste)water companies from 5 Functional Urban Areas and expert organisations decided to launch the **City Water Circles (CWC) project**. The goal of the initiative is to find solutions to the new challenges.

Project partners **build up a knowledge base for urban circular water management**, set up innovative methods and provide interface for further stakeholders: public authorities, water suppliers, agencies or NGOs.



## INNOVATIVE SOLUTIONS IN PRACTICE



Pilot actions in 5 partner cities will demonstrate innovative technological solutions and provide a collection of practical experiences.

- In Zugló, XIV. District of Budapest, a **rainwater and greywater reuse system** will be implemented in a local kindergarten.
- The city of Torino builds and tests a **rainwater recovery rooftop garden** and aeroponic greenhouse.
- The pilot action in Maribor demonstrates how rainwater and purified wastewater can be used in **producing recycled construction material**.
- In the city of Bydgoszcz, rainwater from rooftops of public buildings will be harvested and utilised in the **rain gardens of the city**.
- The city of Split demonstrates how IT technologies can contribute to real savings in water consumption: a **smart metering system supported by a mobile app** will be tested.



## HOW CAN YOU BENEFIT FROM THE PROJECT?

Join the **Core Master Training** and competence-building workshops on circular urban water use

Learn more about the **Integrated urban strategies** of the partners for introducing and boosting circular urban water management

Adopt the **Transnational strategy** for creating an enabling policy framework on circular water use

Dive in the **Digital Learning Resources** on circular urban water use

Read the **CWC Transnational Online Handbook** on circular urban water management and use

