12 km2

129.000
Inhabitants

Several Large parks, among them **Circus Park** and **Tei Park**

- Located in Bucharest city, 2nd District - Tei neighborhood;
- Area of 12 Km2

PARTNERS INVOLVED

UT CB
Universitatea Tehnică de Construcţii Bucureşti

BDG
Business Development Group

ABOUT AWARD

A consortium of 16 partners across 7 countries coordinated by OiEau.

OiEau — International Office for Water

université PARIS-SACLAY

UNIVERSITÉ DE VERSAILLES ST-QUENTIN-EN-YVELINES

•PLANET• BLUE ASSOCIATION

AQUA VALLEY

InterSus SUSTAINABILITY SERVICES

BDG Business Development Group

aimen

National Technical University of Athens

IRIDRA

EOAA

UT CB Universitatea Tehnică de Construcţii Bucureşti

CETAQUA WATER TECHNOLOGY CENTRE

ViAQUA

Città metropolitana di Milano

CAP Holding

DEMO CASE #1 CONTACT

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Funded by the European Union

AWARD
Alternative Water Resources and Deliberation processes to renew water supply strategic planning

DEMO CASE # 1

ROMANIA

'Circus Lake' Bucharest

Creating an accurate urban water balance for Tei study area using AWR solutions. Informing and training Bucharest 2nd District's local administration and other stakeholders on strategic urban planning with AWR solutions.

EXPECTATIONS FROM AWARD SOLUTION

○ **Demonstrate** the effective uses of various alternative water sources, focusing on the aquifer recharge, storm water, rainwater harvesting and water reuse.

○ **Control** the urban groundwater level in the Tei urban area, and implicitly Circus Lake Park water level by applying reliable AWRs solutions.

○ **Replicate** the urban area water-balance analysis to support AWRs solutions in Bucharest and in other cities.

KEY STAKEHHOLDERS

Bucharest 2nd district municipality administration

Water Operator of Bucharest city ApaNova

Bucharest Lakes, Parks and Recreation Administration

National Administration "Romanian Waters"

Tei Community Group (Local Community of Residents)

CHALLENGES AND SOLUTIONS

What are the climatic challenges faced by the area?

- **Decrease of groundwater level** in the urban area
- **Reduced rainfalls in last years**
- **Reduction of water distribution losses**

What are our AWR solutions for these challenges?

- Capture **stormwater** in Tei area
- Reuse for **lake water level** control
- Supports **aquifer recharge**
- Maintains natural **environment quality**

Objective

Creating an **accurate urban water** balance for Tei area using AWR solutions.

Informing and training Bucharest 2nd District's local administration and other stakeholders on **strategic urban planning with AWR solutions.**

Planning upscaling of AWRs

Develop a **framework** for managing **urban water quantity/quality**, defining parameters, methods, and thresholds for **monitoring contamination**. Assess NBS treatment performance and **optimize stormwater management** based on tests and mass balances.

Radu GOGU
UTCB

"In Bucharest, the park with the Circus Lake has a direct hydraulic connection with the shallow aquifer. We are currently trying to maintain a stable water level in this lake."