



İSTANBUL PROJECT ACADEMY



MARMARA ÜNİVERSİTESİ
İNNOVASYON VE TEKNOLOJİ
TRANSFER UYGULAMA VE
ARAŞTIRMA MERKEZİ





Horizon Europe Cluster 6:

Food, Bioeconomy, Natural Resources,
Agriculture and Environment Brokerage Event





Project Idea / Field of Expertise :

Analysing Rainwater Harvesting System to Reduce Climate Change Vulnerability

Organisation Name:

Boğaziçi University

Addressed Topic(s) & Call(s):

HORIZON-CL6-2023-CLIMATE-01-2: Improve the reliability and effectiveness of alternative water resources supply systems and technologies



Boğaziçi University

- Boğaziçi University – BU is one of the leading higher-education institutions in Turkey. The principal areas of research of the Institute of Environmental Sciences (IESc) are **socio-ecological sustainability assessment**, pollution monitoring and **modelling**, water and wastewater treatment technologies, urban waste management, renewable energy, and molecular and microbial ecology and system dynamics modelling of social and ecological systems, **environmental governance** and ecological economics
- **Skills and expertise:** Modeling, stakeholder mapping, socio-economic assessment, content analysis, participative action research
- **Past experience:**
 1. **InTheMED (PRIMA funded)** Innovative and Sustainable Groundwater Management in the Mediterranean, 2020-2023
 2. **OurMED (PRIMA funded)** Sustainable water storage and distribution in the Mediterranean (2023-2026)

Our project idea / expertise



1. to create an alternative water supply for urban uses especially during dry periods,
 2. to build adaptation measures to reduce potential **urban** flooding.
 3. to present policy implications of implementation of rainwater harvesting (RWH) systems.
 4. to build RWH systems, as pilot projects, in selected public spaces to derive technical results in detail.
- The challenges of the project are determining the water quality of the rainwater that will be continuously collected from the roofs, reusing it after a suitable compact treatment process, and decreasing the discharge and the load on wastewater treatment plants by including this wastewater in the sewerage system after use.
 - Overall, this project aims to reduce urban climate vulnerability through promoting rainwater harvesting with a holistic management system by addressing its potential challenges.
 - Being one of the leading academic institutions in social-ecological sustainability in Turkey, BOUN can bring together all relevant national, sub-national and local institutions in the country to codefine challenges in front of RWH and develop applicable solutions to them. Despite having been legally mandatory in new buildings, the implementation of rainwater harvesting is yet at a crawling stage. At this point, BOUN requests the technical expertise in RWH from interested potential partners.



Approved space: One slide (!)

Contact details



Contact person	Assist Prof Irem Daloğlu Çetinkaya
Organisation	Boğaziçi University
Address	Bebek Istanbul
Phone	90 532 723 6040
E-mail	irem.daloglu@boun.edu.tr
B2Match profile	
LinkedIn/Twitter	https://www.linkedin.com/in/irem-daloglu-cetinkaya-990ab95a/



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THANK YOU...



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