



Holistic Surface Water and Groundwater Management for Sustainable Cities

Fact Sheet

Project Information

Water4Cities

Grant agreement ID: 734409

[Project website](#)

DOI

[10.3030/734409](https://doi.org/10.3030/734409)

Project closed

EC signature date

4 November 2016

Start date

1 March 2017

End date

30 September 2021

Funded under

EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost

€ 1 242 000,00

EU contribution

€ 1 242 000,00

Coordinated by

PANEPISTIMIO THESSALIAS



Greece

Objective

Urban water management becomes progressively more challenging in the view of population growth and increasing complexity of water management infrastructure. In this line, there is an ever increase demand from the water providers' and public authorities' perspective to critically evaluate the existing water ecosystems at city level in respect to the water supply, waste water treatment, reuse potential and the effect the growing population has on the water ecosystem and endangered species. To enable effective decision making at the entire city level, both surface water and groundwater should be viewed as part of the overall urban water ecosystem with its spatio-temporal availability, quantity and quality and competing uses being taken into

account.

The Water4Cities project will rely on sensor technologies, data and visual analytics to enable localization, visualization and analysis of urban water (both surface water and groundwater) at a holistic urban setting providing services to multiple water stakeholders. More specifically, the Water4Cities project aims to develop the necessary models and associated platform that will enable water providers and relevant stakeholders to a) monitor in real-time the urban water resources; b) support their decisions for optimal urban water management causing minimal environmental impact and c) involve policy makers, corporations and the public to provide the support for sound and balanced decision-making. Beyond the scientific results, Water4Cities will target the exchange of knowledge among project partners. The Water4Cities project requires the collaboration of researchers in different research areas, i.e. water management, urban infrastructure management, sensor networks, data mining, data visualization, system integration, urban planning. Due to the multi-disciplinary nature of the project, staff exchanges will allow partners working closely together to deliver high quality results.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [environmental engineering](#) > [water treatment processes](#) > **[wastewater treatment processes](#)**

[natural sciences](#) > [computer and information sciences](#) > [data science](#) > **[data mining](#)**

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [electronic engineering](#) > [sensors](#) > **[smart sensors](#)**

[engineering and technology](#) > [environmental engineering](#) > [natural resources management](#) > **[water management](#)**

[engineering and technology](#) > [civil engineering](#) > [structural engineering](#) > **[hydraulic engineering](#)**



Keywords

[groundwater](#)

[surface water](#)

[data analytics](#)

[data visualization](#)

[water monitoring](#)

[urban planning](#)

[water lifecycle](#)

Programme(s)

Topic(s)

[MSCA-RISE-2016 - Research and Innovation Staff Exchange](#)

Call for proposal

[H2020-MSCA-RISE-2016](#)

[See other projects for this call](#)

Funding Scheme

[MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange \(RISE\)](#)

Coordinator



PANEPISTIMIO THESSALIAS

Net EU contribution

€ 342 000,00

Total cost

€ 342 000,00

Address

ARGONAFTON FILELLINON

38221 Volos

 **Greece** 

Region

Κεντρική Ελλάδα > Θεσσαλία > Μαγνησία

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (8)



IQUADRAT INFORMATICA SL

Spain

Net EU contribution

€ 216 000,00

Address

CALLE DOCTOR RIZAL 10, P.BJ2 PTA 2
08006 Barcelona

SME

Yes

Region

Este > Cataluña > Barcelona

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost

€ 216 000,00



INSTITUT JOZEF STEFAN

Slovenia

Net EU contribution

€ 135 000,00

Address

Jamova 39
1000 Ljubljana

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 135 000,00



BANGOR UNIVERSITY

 United Kingdom

Net EU contribution

€ 99 000,00

Address

COLLEGE ROAD
LL57 2DG Bangor 

Region

Wales > West Wales and The Valleys > Gwynedd

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 99 000,00



SINGULARLOGIC ANONYMI ETAIREIA PLIROFORIAKON SYSTIMATON KAI EFARMOGONPLIROFORIKIS

 Greece

Net EU contribution

€ 117 000,00

Address

ACHAIAS 3 & TROIZINIAS
14564 Nea Kifisia 

Region

Αττική > Αττική > Βόρειος Τομέας Αθηνών

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 117 000,00



LJUBLJANSKI URBANISTICNI ZAVOD DD

 Slovenia

Net EU contribution

€ 108 000,00

Address

VEROVSKOVA ULICA 64

1000 Ljubljana 

SME 

Yes

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 108 000,00



DIMOTIKI EPICHEIRISI YDREFSIS - APOCHETEFSSIS SKIATHOU

 Greece

Net EU contribution

€ 117 000,00

Address

SYGGROU 8
37002 Skiathos 

Region
Κεντρική Ελλάδα > Θεσσαλία > Μαγνησία

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
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[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 117 000,00



**SENSE ONE TECHNOLOGIES MONOPROSOPI ANONYMI ETAIREIA LYSEON
PLIROFORIKIS TILEPIKOINONION KAI ENERGEIAS**

 Greece
Net EU contribution
€ 54 000,00

Address
**ACHAIAS 3 KAI TRIZINIAS
145 64 ATHINA** 

SME 
Yes

Region
Αττική > Αττική > Βόρειος Τομέας Αθηνών

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
[Contact the organisation](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 54 000,00



EXM IKE

 Greece

Net EU contribution

€ 54 000,00

Address

XALKIDIKIS 89
11855 ATHINA 

SME 

Yes

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

€ 54 000,00

Partners (1)



PARTNER 

IBM Thomas J. Watson Research Center

 United States

Net EU contribution

€ 0,00

Address

1101 Kitchawan Rd
10598 Yorktown Heights 

Activity type

Research Organisations

Links

- [Contact the organisation](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

No data

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European Union, 2025

