

 HORIZON
EUROPE

Systemic Integration of Transformative Technical and Nature-based Solutions to Improve Climate Neutrality of European Cities and Regions and tackle Climate Change: the URBreath Approach

Fact Sheet

Project Information

URBREATH

Grant agreement ID: 101139711

EC signature date

13 December 2023

Start date

1 January 2024

End date

31 December 2027

Funded under

Climate, Energy and Mobility

Total cost

€ 14 963 862,50

EU contribution

€ 13 227 485,00

Coordinated byTHE LISBON COUNCIL FOR
ECONOMIC COMPETITIVENESS
ASBL Belgium

Objective

URBREATH vision is to develop, implement, demonstrate, validate and replicate a comprehensive, community participation and NBS-driven urban revitalisation, resilience and climate neutrality paradigm that will ultimately radically enhance the social interactions, inclusion, equitability and liveability in cities. Specifically, the aim

of the URBREATH project is to implement hybrid/Natural Base Solutions putting at the heart of the decision-making process the communities within a city. Advanced techniques, particularly Local Digital Twins and AI, and social innovation will facilitate the achievement of its vision. The project will have four phases: 1. Inception, 2. Development, 3. Piloting, 4. Transition. The preliminary results of a single Phase are evaluated within the following Phase so to allow for feedback before releasing the final version. The Inception phase will define the methodology to be followed for the project development and will deliver the project functional and technical requirements. The second phase will release the URBREATH technical framework, consisting of tools to manage the whole data value chain and to support end-users to collaborate on the design and creation of NBS to be used in the city/district. It will be used to monitor and take decisions on the NBS to be implemented/deployed in the Piloting phase (evidence-based decision making), that involves 4 Front Runner Cities in 4 different climatic zones: Cluj-Napoca (RO - Continental), Leuven (BE - Atlantic), Madrid (ES - Mediterranean), and Tallin (EE - Boreal). During the Transition phase, all the information, results and lessons learnt from the previous steps will be collected and analysed to provide recommendations and foster replication activities and the uptake of project outputs at the end of its lifespan. To this aim, 5 Follower Cities are involved: Aarhus (DK), Athens (EL), Kajaani (FI), Parma (IT), Pilsen (CZ), linked to the Front Runners for climatic zone and/or dimension.

Fields of science

[natural sciences](#) > [earth and related environmental sciences](#) > [atmospheric sciences](#) > [climatology](#) > [climatic zones](#)

[natural sciences](#) > [earth and related environmental sciences](#) > [atmospheric sciences](#) > [climatology](#) > [climatic changes](#)

Keywords

[Systemic transformation](#)

[urban living labs](#)

[climate change models](#)

[modelling and simulation](#)

[local digital twins](#)

[smart cities](#)

[impact assessment and evaluation](#)

Programme(s)

Topic(s)

[HORIZON-MISS-2023-CLIMA-CITIES-01-01 - Urban greening and re-naturing for urban regeneration, resilience and climate neutrality](#)

Call for proposal

[HORIZON-MISS-2023-CLIMA-CITIES-01](#)

[See other projects for this call](#)

Funding Scheme

[HORIZON-IA - HORIZON Innovation Actions](#)

Coordinator



THE LISBON COUNCIL FOR ECONOMIC COMPETITIVENESS ASBL

Net EU contribution

€ 750 000,00

Address

RUE DE LA LOI 155 RESIDENCE PALACE IPC

1040 Bruxelles / Brussel

 **Belgium** 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 750 000,00

Participants (35)



POLITECNICO DI MILANO

 Italy

Net EU contribution

€ 492 500,00

Address

PIAZZA LEONARDO DA VINCI 32
20133 Milano 

Region

Nord-Ovest > Lombardia > Milano

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 492 500,00



FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

 Germany

Net EU contribution

€ 340 635,00

Address

HANSASTRASSE 27C
80686 Munchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 340 635,00



TALLINNA TEHNIKAÜLIKOOL

 Estonia

Net EU contribution

€ 503 250,00

Address

EHITAJATE TEE 5

12616 Tallinn 

Region

Eesti > Eesti > Põhja-Eesti

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 503 250,00



EREVNITIKO PANEPISTIMIAKO INSTITOUTO SYSTIMATON EPIKOINONION KAI YPOLOGISTON

 Greece

Net EU contribution

€ 417 750,00

Address

PATISION 42

106 82 ATHINA 

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 417 750,00



VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.

 Belgium

Net EU contribution

€ 595 437,50

Address

BOERETANG 200

2400 Mol 

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Turnhout

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 595 437,50



UNIVERSIDAD POLITECNICA DE MADRID

 Spain

Net EU contribution

€ 231 750,00

Address

CALLE RAMIRO DE MAEZTU 7 EDIFICIO RECTORADO
28040 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 231 750,00



KAJAANIN AMMATTIKORKEAKOULU OY

 Finland

Net EU contribution

€ 193 750,00

Address

KETUNPOLKU 3
87100 Kajaani 

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Kainuu

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 193 750,00



VLAAMSE GEWEST

 Belgium

Net EU contribution

€ 727 500,00

Address

AVENUE DU PORT 88

1000 Bruxelles / Brussel 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 727 500,00



ENGINEERING - INGEGNERIA INFORMATICA SPA

 Italy

Net EU contribution

€ 352 187,50

Address

PIAZZALE DELL'AGRICOLTURA 24

00144 ROMA 

Region

Centro (IT) > Lazio > Roma

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

€ 503 125,00



DEDA NEXT SRL

 Italy

Net EU contribution

€ 193 375,00

Address

VIA DI SPINI 50

38121 Trento 

Region

Nord-Est > Provincia Autonoma di Trento > Trento

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

€ 276 250,00



ATHENS TECHNOLOGY CENTER ANONYMI VIOMICHANIKI EMPORIKI KAI TECHNIKI ETAIREIA EFARMOGON YPSILIS TECHNOLOGIAS

 Greece

Net EU contribution

€ 420 000,00

Address

RIZAREIOU 10

15233 Athina 

SME 

Yes

Region

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

€ 600 000,00



virtualcitySYSTEMS GmbH

 Germany

Net EU contribution

€ 574 875,00

Address

Taentzienstraße 7 b/c

10789 Berlin 

Region

Berlin > Berlin > Berlin

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

€ 821 250,00



URBASOFIA SRL

 Romania

Net EU contribution

€ 346 500,00

Address

SOSEAUA COLENTINA 11 BLOC R26 SCARA 1 ETAJ 3 AP 16 CAMERA NR 1
021154 Bucuresti 

SME 

Yes

Region

Macroregiunea Trei > București-Ilfov > București

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

€ 495 000,00



DIADIKASIA BUSINESS CONSULTING SYMVOULOI EPICHEIRISEON AE

 Greece

Net EU contribution

€ 317 625,00

Address

KIFISSIAS AVE 296 & NAVARINOU 40 HALANDRI

15232 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](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 453 750,00



LATITUDO 40 SRL

 Italy

Net EU contribution

€ 216 125,00

Address

VIA FRANCESCO VERROTTI 4

80128 Napoli 

SME 

Yes

Region

Sud > Campania > Napoli

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

€ 308 750,00



FORENINGEN BLOXHUB

 Denmark

Net EU contribution

€ 202 500,00

Address

BRYGHUSPLADSEN 8

1473 Kobenhavn 

Region

Danmark > Hovedstaden > Byen København

Activity type

Other

Links

[Contact the organisation](#) 

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

Total cost

€ 202 500,00



TELESTO TECHNOLOGIES PLIROFORIKIS KAI EPIKOINONION EPE

 Greece

Net EU contribution

€ 203 437,50

Address

ODOS IMITOU 62

15561 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](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 290 625,00



EXUS SOFTWARE MONOPROSOPI ETAIRIA PERIORISMENIS EVTHINIS

 Greece

Net EU contribution

€ 393 750,00

Address

THEANOUS 15

118 54 ATHENS 

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

€ 562 500,00



OPEN & AGILE SMART CITIES

 Belgium

Net EU contribution

€ 358 750,00

Address

RUE DU LUXEMBOURG 19

1000 Bruxelles / Brussel 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 358 750,00



CLIMATE ALLIANCE - KLIMA-BUENDNIS - ALIANZA DEL CLIMA e.V.

 Germany

Net EU contribution

€ 263 000,00

Address

GALVANISTRASSE 28
60486 Frankfurt Am Main 

Region

Hessen > Darmstadt > Frankfurt am Main, Kreisfreie Stadt

Activity type

Other

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 263 000,00



FUNDACION PARA LA INVESTIGACION DEL CLIMA

 Spain

Net EU contribution

€ 452 500,00

Address

TREMPS 11
28040 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 452 500,00



TRAZA TERRITORIO, S.L.L.

 Spain

Net EU contribution

€ 205 397,50

Address

CALLE LORENZANA 2

28039 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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

€ 293 425,00



BASURAMA ASOCIACION

 Spain

Net EU contribution

€ 173 615,00

Address

AVENIDA DAROCA 49 CALLEJON

28017 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Other

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 173 615,00



DARK MATTER LABORATORIES BV

 Netherlands

Net EU contribution

€ 286 125,00

Address

PIET HEINKADE 181K

1019 HC Amsterdam 

SME 

Yes

Region

West-Nederland > Noord-Holland > Groot-Amsterdam

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

€ 408 750,00



AYUNTAMIENTO DE MADRID

 Spain

Net EU contribution

€ 218 250,00

Address

CALLE MONTALBAN 1

28014 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

[Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 218 250,00



STAD LEUVEN

 Belgium

Net EU contribution

€ 825 000,00

Address

PROFESSOR VAN OVERSTRAETENPLEIN 1

3000 Leuven 

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 825 000,00



TALLINNA LINN

 Estonia

Net EU contribution

€ 677 500,00

Address

VABADUSE VALJAK 7

10146 Tallinn 

Region

Eesti > Eesti > Põhja-Eesti

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 677 500,00



MUNICIPIUL CLUJ-NAPOCA

 Romania

Net EU contribution

€ 407 500,00

Address

MOTILOR STRADA 1 3
400001 Cluj Napoca 

Region

Macroregiunea Unu > Nord-Vest > Cluj

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 407 500,00



COMUNE DI PARMA

 Italy

Net EU contribution

€ 251 250,00

Address

STRADA REPUBBLICA 1
43121 Parma 

Region

Nord-Est > Emilia-Romagna > Parma

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 251 250,00



ANAPLASI DIMOSION CHORON ANONYMI ETAIREIA

 Greece

Net EU contribution

€ 173 425,00

Address

ANGELOU PYRRI & EVINOU 5

115 27 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

€ 247 750,00




AARHUS KOMMUNE

 Denmark

Net EU contribution

€ 249 375,00

Address

RADHUSPLADSEN 2
8100 Aarhus C 

Region

Danmark > Midtjylland > Østjylland

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 249 375,00



SPRAVA INFORMACNICH TECHNOLOGII MESTA PLZNE, PRISPEVKOVA ORGANIZACE

 Czechia

Net EU contribution

€ 251 250,00

Address

DOMINIKANSKA 4
301 00 Plzen 

Region

Česko > Jihozápad > Plzeňský kraj

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 251 250,00



KAJAANIN KAUPUNKI

Finland

Net EU contribution

€ 255 000,00

Address

POHJOLANKATU 13

87100 Kajaani

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Kainuu

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#)

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

[HORIZON collaboration network](#)

Total cost

€ 255 000,00



UNIVERSITY OF STUTTGART

Germany

Net EU contribution

€ 337 875,00

Address

KEPLERSTRASSE 7

70174 Stuttgart

Region

Baden-Württemberg > Stuttgart > Stuttgart, Stadtkreis

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Total cost
€ 337 875,00



MUNICIPIA SPA

 Italy

Net EU contribution

€ 368 725,00

Address

**VIA ANDRIANO OLIVETTI 7
38122 Trento** 

Region

Nord-Est > Provincia Autonoma di Trento > Trento

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
€ 526 750,00

Partners (1)



SOUTH POLE CARBON ASSET MANAGEMENT AG

 Switzerland

Net EU contribution

€ 0,00

Address

**TECHNOPARKSTRASSE 1
8005 Zurich** 

Region

Schweiz/Suisse/Svizzera > Zürich > Zürich

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

No data

Last update: 21 December 2023

Permalink: <https://cordis.europa.eu/project/id/101139711>

European Union, 2024