Innovate UK

Horizon Europe Missions: Climate Change Adaptation & Smart Cities

Host: Belen Rebollo-Garcia
Knowledge Transfer Manager- Europe

Introduction

House Keeping

- **Microphone off** unless speaking please.
- Please post Q using the **Q&A FUNCTION.**
- Use the **Zoom-Chat for connections.**
  Save the zoom chat – we will not be sharing this.
- Please message **Jess Dobbyne** in the Zoom chat if you are having technical issues.
- **The webinar is being recorded** and will be shared with the slides afterwards.

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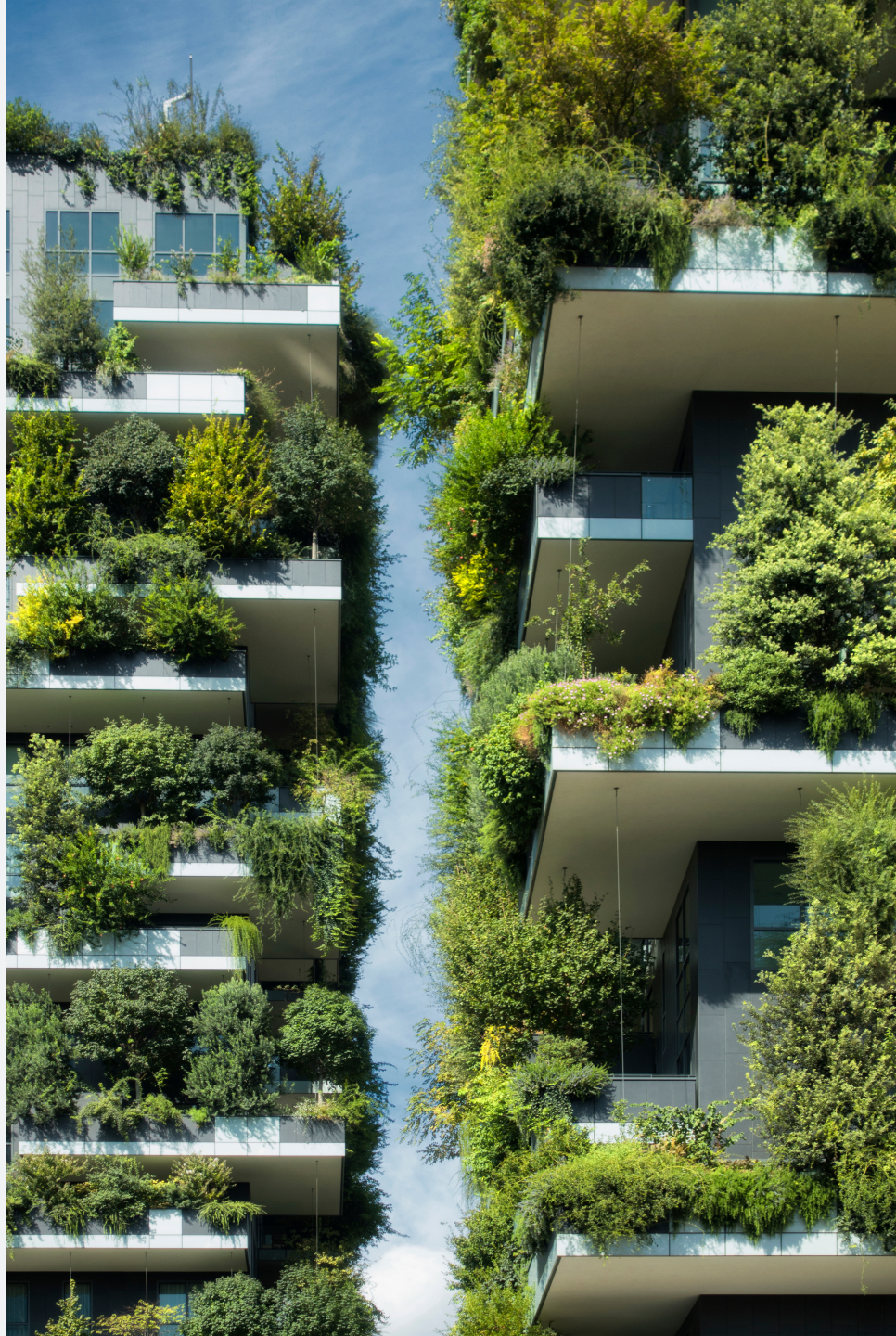

Why are we here?

- What are the Horizon Europe Missions on “Climate Change Adaptation” and “Smart Cities”?
- What are the Work-programme for 2024 and the ‘Call Topics’?
- Who (UK and international) is interested in collaborating?
- What support is there to help me start building a project consortium?

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Introduction

Agenda

Time (UK		Speakers
10:00	Welcome and aims of the day	Belen Rebollo - Knowledge Transfer Manager, Innovate UK Business Connect
10:05	Cities mission upcoming calls and UK participation	Nic Wallet - UK National Contact Point, Innovate UK
10:20	EIT-Climate KIC Net Zero Cities Programme	Thomas Osdoba, EIT-Climate KIC
10:30	GREENET Project	Miriam de Angelis - APRE – Agenzia per la Promozione della Ricerca Europea
10:40	Q&A	
10:50	BREAK	
10:55	Support for UK applicants: Travel awards	Belen Rebollo - Knowledge Transfer Manager, Innovate UK Business Connect
11:05	Pitching Session	
11:35	Breakout rooms: - Speaker room: for 1:1 consultations - 1 room per pitch presenter Thematic rooms: - Zero-pollution solutions - Transport-Mobility Management - Urban spaces - Peri-urban & rural - Cross sector solutions	
11:55	Next steps & Key Dates	Belen & Nic
12:00	**CLOSE**	

European Missions

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Overview of Horizon Europe

Nicolas Wallet

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Why participate?

- High funding rate: up to 100% of eligible costs
- The only guaranteed and predictable funding for certain sectors
- Access to cutting edge technologies, infrastructure & talent
- Increased visibility at EU & global level
- Build domestic and international partners/customers
- Solving global grand challenges through collaborative R&D
- Creating UK jobs, growth and stronger supply chains

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Horizon Europe 101

- Horizon Europe is the EU's current Framework Research and Innovation funding programme.
- It is the largest R&I funding programme in the world, with a budget of over £81bn for 2021-27.

- The programme is divided into three main parts:
  - Pillar 1 supports excellence in science
  - Pillar 2 focuses on solving global challenges through collaborative research & innovation
  - Pillar 3 supports business growth and competitiveness

- Other parts of Horizon also include support for research infrastructure and widening participation.
- Key priority areas include food, bioeconomy, climate change, health, digital, transport and mobility, space, energy, industry, civil security and humanities. The programme is open to all types of organisations of all sizes.

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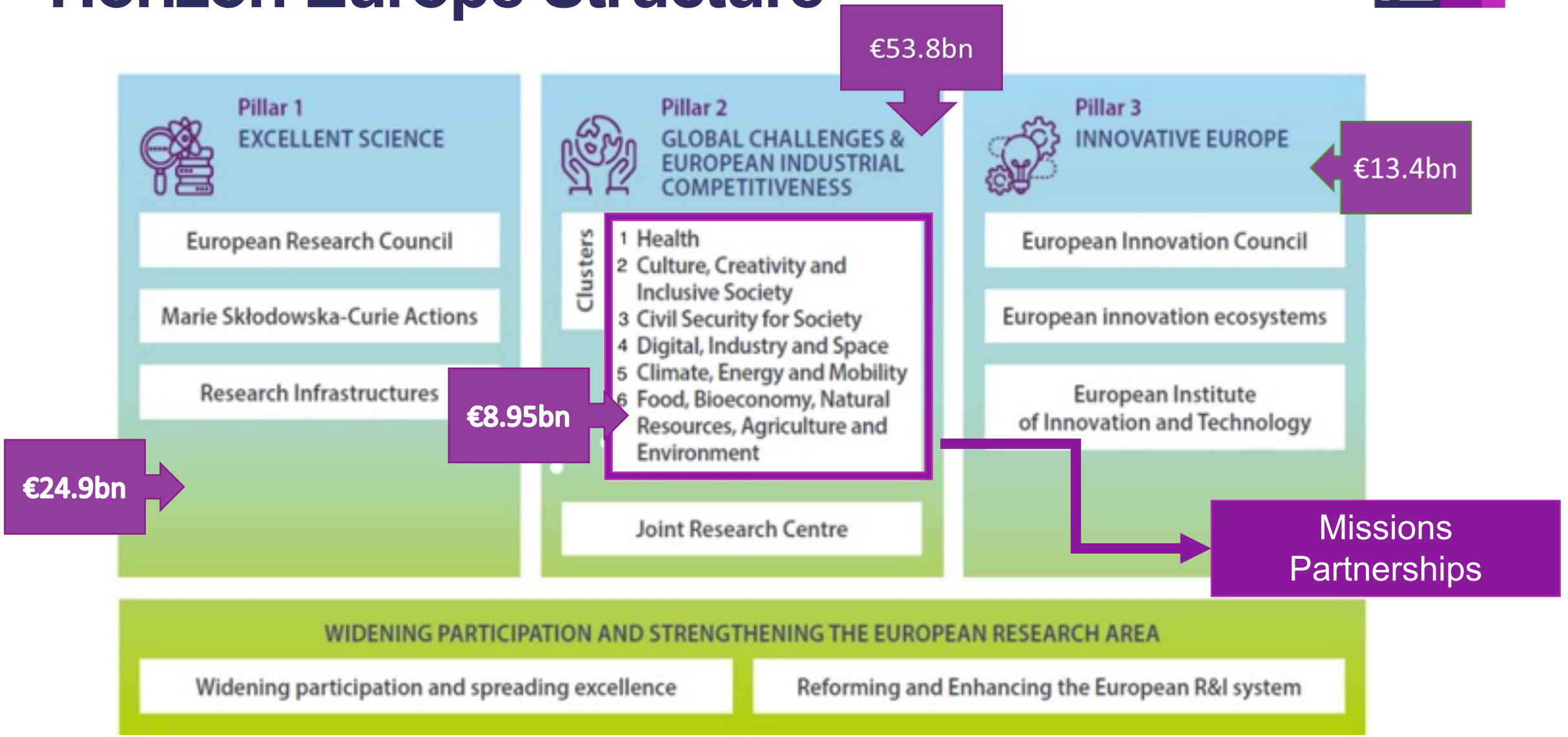
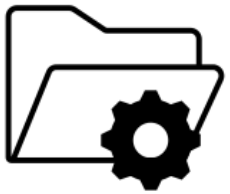
Horizon Europe Structure



Horizon Europe Missions

Adaptation to Climate Change	Cancer	Climate-neutral and Smart Cities	Restore our Ocean and Waters	Soil Deal for Europe

Horizon Europe 101



Types of projects

RIA: Research and Innovation Actions **100%** funding rate, TRL 2-6

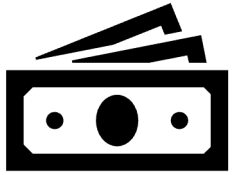
IA: Innovation Actions **70%-100%**, TRL 6-9

CSA: Coordination and Support Actions **100%** funding rate

Eligibility

Consortium: minimum 3 independent legal entities in a different EU Member State (MS) or Associated country, at least 1 in a MS.

UK is an Associated Country, **eligible for EU funding and to coordinate proposals and projects**.



Typical proposals

Size: ranges from €1–10M+

Duration: 2-3 years +

Budget: Eligible costs + 25% indirect

Proposal application: 45-50 pages + forms

Overview of Missions

Climate Adaptation and Climate Smart Cities

Nic Wallet

100 climate-neutral and smart cities by 2030

Nicolas Wallet

Mission Cities
Open 17/09/24 - Deadline 16/01/25

- **Why a mission for Net Zero Cities?**

Although cities occupy about 3% of the Earth, they are emitting more than 70% of global carbon dioxide emissions. **Source: UN-Habitat**

- Aim to support, promote, and showcase 100 European cities in their systemic transformation towards climate neutrality by 2030.
- Encourage cities to act as innovation hubs for the green transition.
- Foster collaboration among cities to share best practices and solutions.

What are the 2024 goals for: 100 climate-neutral and smart cities by 2030

Accelerate Climate-Neutral Urban Mobility: Promote electric, automated, and shared mobility solutions to reduce emissions and enhance urban mobility.

Enhance Urban Greening and Resilience: Implement nature-based solutions and smart urban design to mitigate climate impacts, improve health, and promote sustainability.

Support Integrated and Inclusive Urban Planning: Foster collaboration across sectors, strengthen financial and policy support, and ensure participatory decision-making to achieve climate neutrality.

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Mission Cities Deadline 16 Jan 2025

Reference	Title	Action	€/projects
HORIZON-MISS-2024-CIT-01-01	Rethinking urban spaces towards climate neutrality *Integrating innovative solutions in urban planning, green infrastructure, and sustainable mobility, thereby enhancing the environmental quality and resilience of cities.*	IA	15m/3
HORIZON-MISS-2024-CIT-01-02	Zero-pollution cities Innovative solutions that improve the climate resilience, sustainability, and smart management.	RIA	5m/4
HORIZON-MISS-2024-CIT-01-03	Mobility Management Plans and Behavioural Change Support projects aimed at transforming European cities to be climate-neutral, sustainable, and resilient through the integration of nature-based solutions, green infrastructure, and innovative governance models.	CSA	5m/1
HORIZON-MISS-2024-CIT-01-04	Integrated peri-urban areas in the transition towards climate neutrality Enhance the digital and smart capabilities of cities to improve climate resilience, sustainability, and urban living through innovative technology and data-driven solutions.	IA	9m/3

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4 calls, €98m budget, 11 projects

Not subject to calls, but support for the Mission Cities network

- **Scientific and Technical Services**: Provide ongoing support through data, methodologies, and analysis to accelerate climate-neutrality in European cities.

- **Urban Transitions Mission**: Collaborate with up to 300 cities globally to showcase integrated, people-centered urban transitions towards net-zero carbon solutions by 2030.

- **Financial Advisory Services and Technical Assistance**: Aid 112 selected cities in developing and implementing investment strategies for climate-neutrality.

- **Climate City Contracts Review**: Support the review of Climate-Neutrality Investment Plans by providing technical and financial input.

Join the Mission Cities portal

- https://netzerocities.eu provides resources, expertise, and support to stakeholders to help cities achieve climate neutrality by 2030, overcome structural barriers, and enhance sustainability initiatives.

- **Scientific and Technical Services**
- **Urban Transitions Mission**
- **Financial Advisory Services and Technical Assistance**
- **Climate City Contracts Review**

100 climate-neutral and smart cities by 2030

Nicolas Wallet
Nicolas.wallet@iuk.ukri.org

Adaptation to Climate

- Nicolas Wallet

Mission Climate Adaptation

Deadline: 18/09/24

- **Increasing Climate Resilience:** Enhance the ability of cities and communities to withstand climate impacts.
- **Protecting Ecosystems:** Preserve and restore natural habitats and biodiversity.
- **Supporting Vulnerable Communities:** Aid and protection to the most affected populations.
- **Ensuring Sustainable Economic Growth:** Promote economic development that is environmentally sustainable and resilient to climate change.

What are the 2024 goals for the EU Mission Adaptation to Climate

- **Enhance Climate Adaptation and Resilience:** Increase awareness, refine indicators, and develop transformative solutions tailored to local needs and vulnerable groups.
- **Promote Multi-level Collaboration:** Foster governance across national, regional, and local levels for systemic, cross-sectoral climate resilience approaches.
- **Demonstrate Practical Solutions:** Showcase economically viable adaptation solutions for urban, rural, and small communities, emphasizing both mitigation and adaptation co-benefits.

Mission Clima Deadline 18 Sept 2025

Reference	Title	Action	€/projects
HORIZON-MISS-2024-CLIMA-01-01	Bringing available and actionable solutions for climate adaptation to the knowledge of the regions and local authorities	CSA	2m/1
HORIZON-MISS-2024-CLIMA-01-02	Bringing together the national level with the engaged regional and local levels (multi-level governance)	CSA	4m/1
HORIZON-MISS-2024-CLIMA-01-03	Develop and refine outcome indicators to measure progress on climate resilience at national, regional and local levels, including knowledge and feedback developed from the Mission	RIA	3m/1
HORIZON-MISS-2024-CLIMA-01-04	Research the complex interplay between the climate and biodiversity crises towards more systemic approaches and solutions	RIA	4m/2

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9 calls, €123.97m budget, 19 projects

Mission Clima Deadline 18 Sept 2025

Reference	Title	Action	€/projects
HORIZON-MISS-2024-CLIMA-01-05	Improve design for transformative approaches and build local capacity for implementation of available solutions focused on climate adaptation	RIA	4m/2
HORIZON-MISS-2024-CLIMA-01-06	Demonstration of approaches to improve bankability of solutions by design, addressing the co-benefits (mitigation and adaptation) to improve revenues streams	IA	9m/3
HORIZON-MISS-2024-CLIMA-01-07	Demonstration of solutions specifically suited to rural areas and small/ medium size population local communities	IA	7.5m/3
HORIZON-MISS-2024-CLIMA-01-08	Demonstration of approaches by regions and local authorities focused on increasing climate resilience of the most vulnerable social groups (just climate resilience)	IA	7.5m/3
HORIZON-MISS-2024-CLIMA-01-09	Systemic and cross-sectoral solutions for climate resilience, tailored to the local needs of regions and local authorities	IA	9m/3

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9 calls, €123.97m budget, 19 projects

Mission Adaptation to Climate

Join the Climate-ADAPT Community of Practice!

- https://climate-adapt.eea.europa.eu/en/mission

- **Networking Opportunities**: Connect with a diverse community of experts, stakeholders, and organisations.
- **Resource Sharing**: Utilise a wealth of tools, case studies, and best practices to enhance your projects.
- **Consortium Building**: Find partners and collaborate on innovative climate adaptation projects.
- **Community Support**: Engage in discussions, share experiences, and get support from fellow members.

Nicolas Wallet
Nicolas.wallet@iuk.ukri.org

Other calls of interest

Reference	Title	Deadline	Action	€/projects
HORIZON-MISS-2024-CIT-02-01	Supporting national, regional and local authorities across Europe to prepare for the transition towards climate neutrality within cities Aims to support projects that foster citizen engagement and participation in the transition to a climate-neutral and sustainable Europe.	05 Sep 2024	CSA	3m/1
HORIZON-MISS-2024-NEB-01-02	New governance models for the co-design and co-construction of public spaces in neighbourhoods by communities Integrate sustainability, aesthetics, and inclusiveness into the design and renovation of buildings and public spaces.	19 Sep 2024	IA	4m/2

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For SMEs – £6k Pump Priming

Supports individual UK SMEs to bid on Horizon Europe projects

Programme eligibility

Standard Innovate UK eligibility requirements apply:

- UK registered business
- **Business is trading** and not a holding or dormant company
- Business has **fewer than 250 employees**
- The support to be provided will not exceed their rolling three-year Minimal Financial Assistance Allowance
- Applications **must identify a specific Horizon Europe Pillar 2 or Pillar 3 call and the topic** to which they will apply.
- Applications to Pillar 3 must be part of a collaborative Horizon Europe project.
- **Funding must be used to target calls and topics from the Horizon Europe 2024 work programmes**.
- Applicants will be required to work with a UK National Contact Point and engage with Innovate UK Business

Link to Pump Priming for SMEs

Contact me to get the form:
ncp-climate@iuk.ukri.org

Nicolas Wallet
Telephone: 07902 401504
Email: ncp-climate@iuk.ukri.org

NET ZERO CITIES

EU MISSION PLATFORM

CLIMATE NEUTRAL AND SMART CITIES

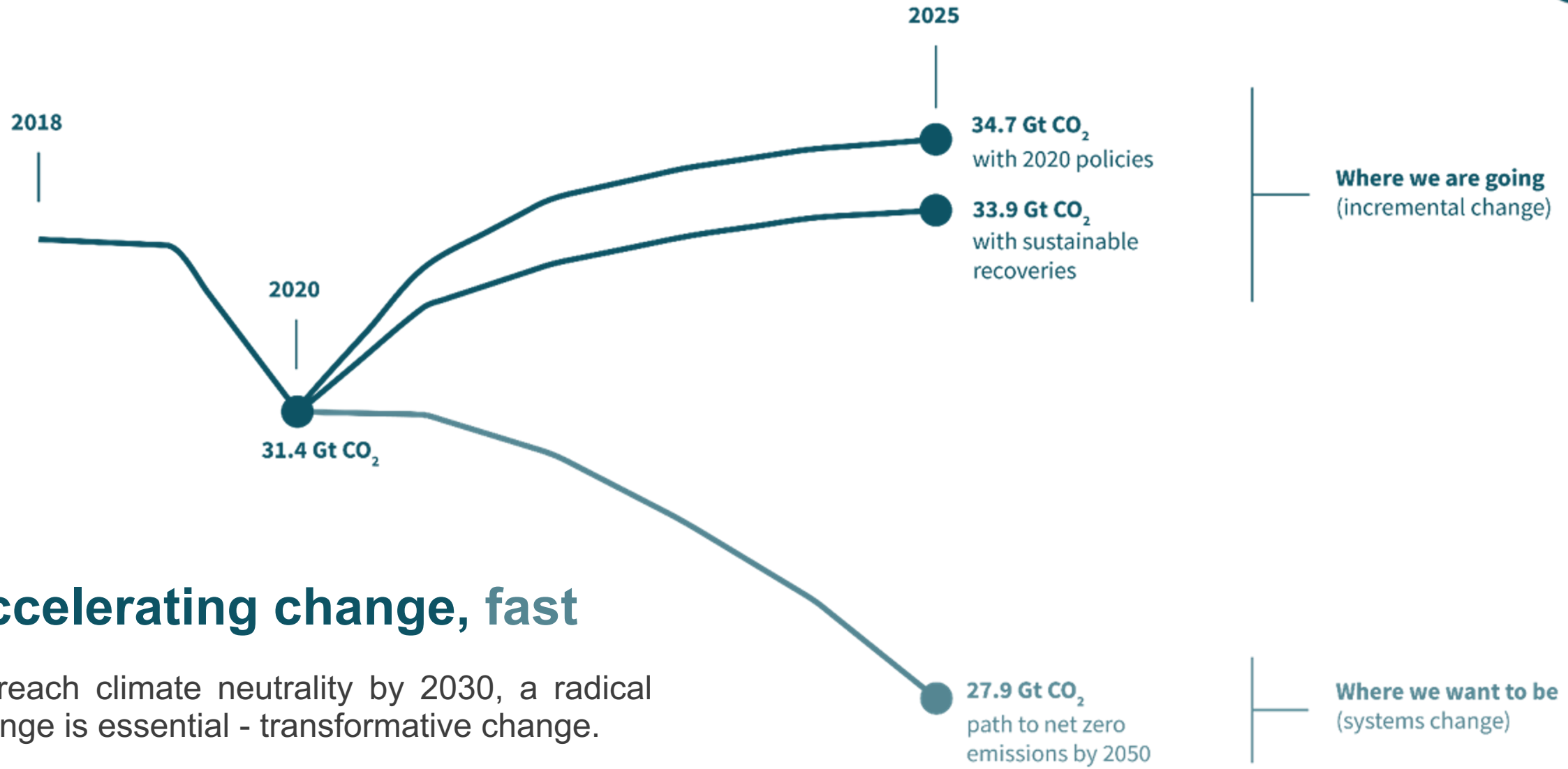
Funded by
the European Union

Journey Toward 2030: EU Cities Mission "100 Climate-Neutral and Smart Cities" with NetZeroCities Programme

Programme Director, NetZeroCities

Thomas Osdoba

NetZeroCities has received funding from the H2020 Research and Innovation Programme under grant agreement n°101036519.



Accelerating change, fast

To reach climate neutrality by 2030, a radical change is essential - transformative change.

Funded by
the European Union

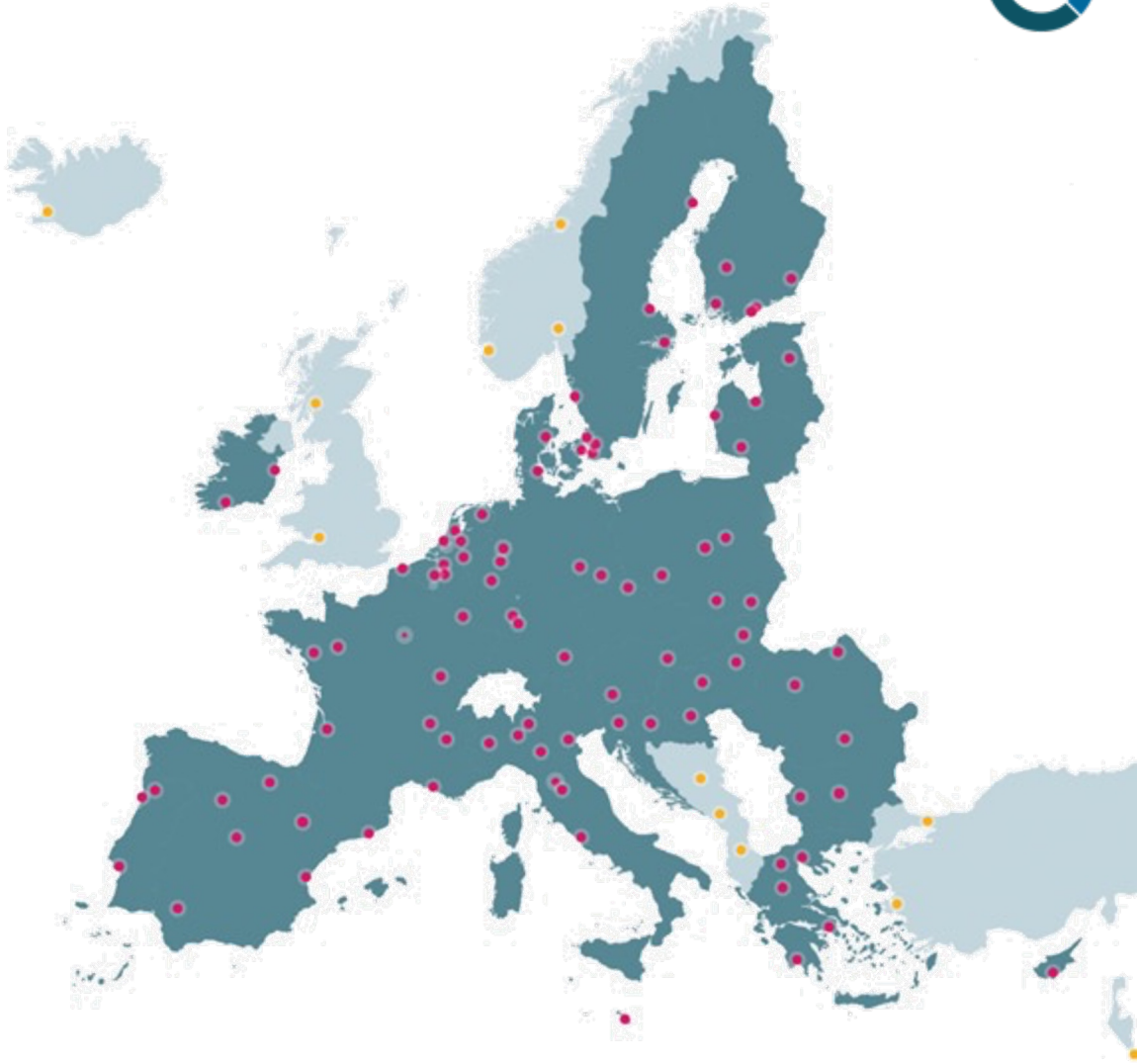
Supporting the EU Mission for "Climate Neutral and Smart Cities by 2030"

The EU has launched a Mission "100 Climate-Neutral and Smart Cities by 2030".

The objectives of the Mission are

- to achieve **100 climate-neutral and smart European cities by 2030.**
- to ensure that these cities act as experimentation and innovation hubs to **enable all European cities to follow suit by 2050**.

NetZeroCities, coordinated by Climate-KIC, currently manages the Platform to support the Mission. We will help Europe in its ambition to achieve climate neutrality by providing cities with **world-class expertise and services** tailored to their needs.



100 EU cities & **12** cities from
Horizon Europe Associated Countries

Funded by
the European Union

112 Mission Cities

100 Mission Cities in EU Member States

12 Mission Cities in Associated Countries

ALBANIA
Elbasan

BOSNIA AND HERZEGOVINA
Sarajevo

ICELAND
Reykjavík

ISRAEL
Eilat

MONTENEGRO
Podgorica

NORWAY
Oslo
Stavanger
Trondheim

TURKEY
Istanbul
Izmir

UNITED KINGDOM*
Bristol
Glasgow

NetZeroCities has received funding from the H2020 Research and Innovation Programme under grant agreement n°101036519.

Activating and Enabling a New, Climate-Neutral Normal: NetZeroCities Objectives

Develop an approach to support **climate-neutral transformation** in cities

Help cities build capabilities and ways of working to advance **systemic change** using innovation

Forge a **platform** for cities to use for all **services & expertise** critical to climate neutrality

Facilitate a pipeline of cities **accelerating** towards climate neutrality

Funded by the European Union

NetZeroCities Support

Transition team

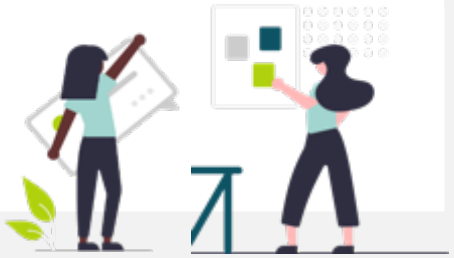
Climate Transition Map

Climate City Contract

City Learning Programme

City Advisors

NZC portal



Pilot Cities

Twinning programme

NetZeroCities has received funding from the H2020 Research and Innovation Programme under grant agreement n°101036519.

Understanding Systems

Achieving a deep understanding of the challenge often requires much more time and effort than coming up with a solution. It becomes a core capability to **map interdependencies and identify barriers impeding progress, gaps in current efforts, learnings from the past and potential levers for change**.

This is a collective act as the full picture can only be achieved by bringing together all complementary perspectives.

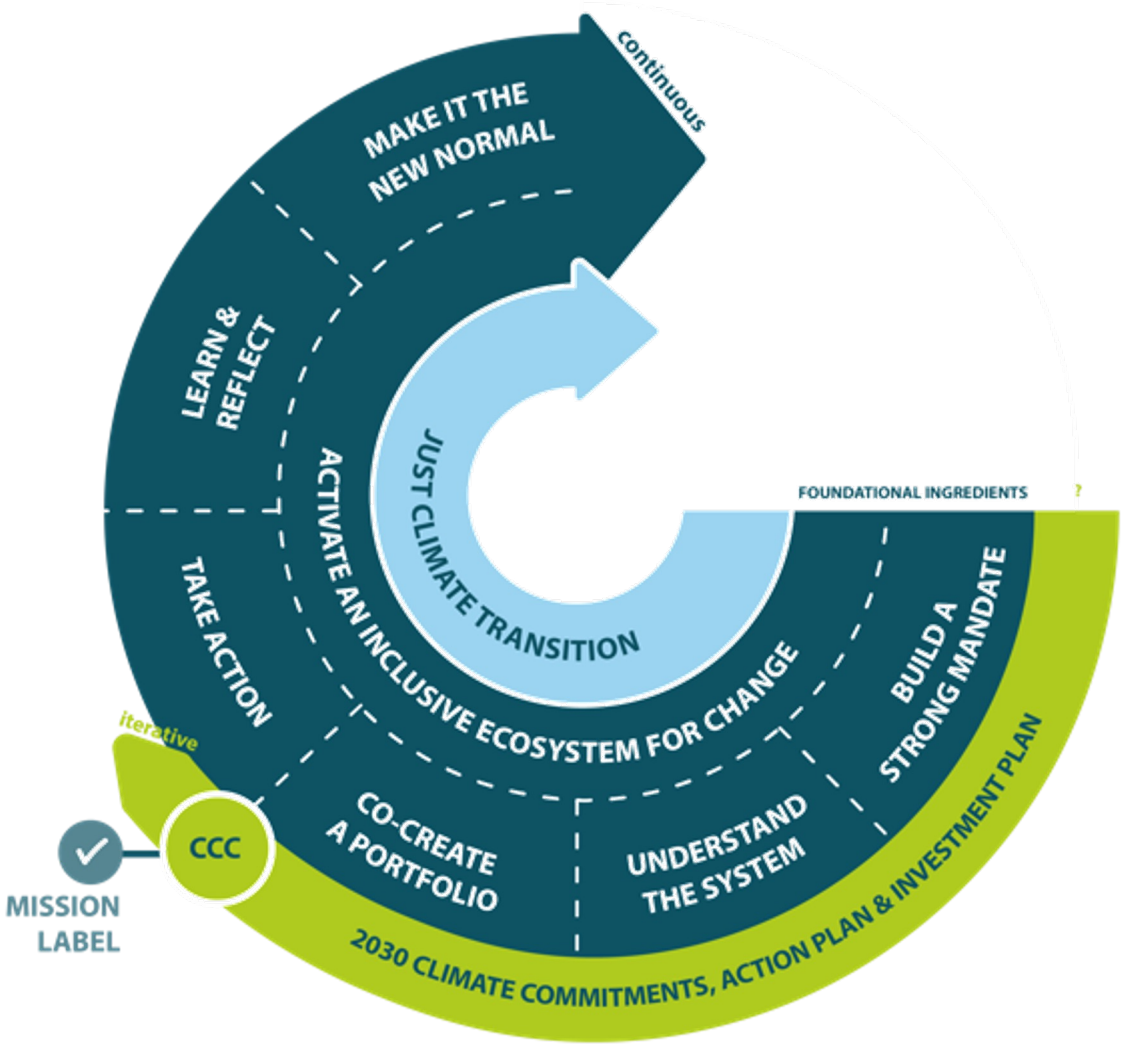
Funded by the European Union

Climate Transition Map:
An Ongoing Journey

The journey to climate-neutrality will be an **iterative process**, operating at different levels at the same time.

The Climate Transition Map focuses on **building 7 core elements for the transition**:

- A strong mandate
- A good understanding of the system
- A strong local ecosystem
- A coherent portfolio
- Transformative action
- Learning and reflection
- Normalised ‘net zero’ practice



Funded by the European Union

Cities Mission Capital Hub

The Capital Hub will help cities overcome barriers to climate action by providing **initial project development assistance** and **connecting public and private financial institutions to the cities.**

Four steps:

- Action & Investment Plans
- Technical Assistance
- Project Financing
- Capital Facilitation

Funded by the European Union

EUROPEAN UNION

EU MISSIONS

Key data points

Cost across Europe

€649.1 bn

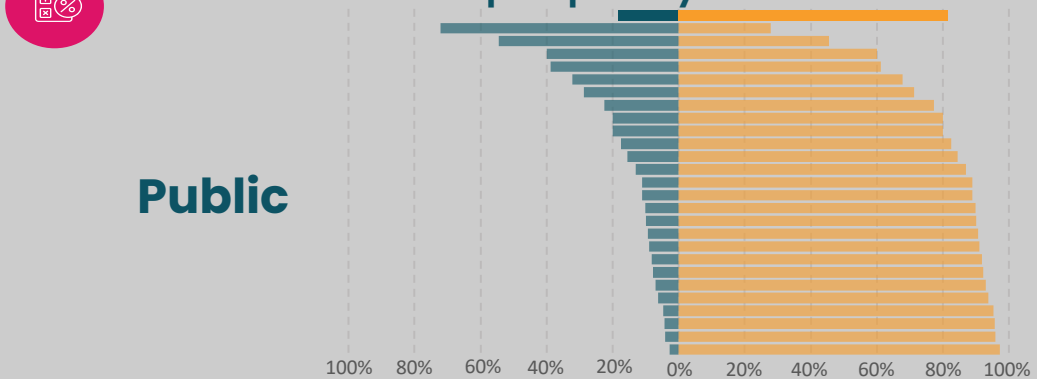
Cost Per Capita

€8,300

Cost per kT Reduction

€2.8M

Public vs Private Capital per City



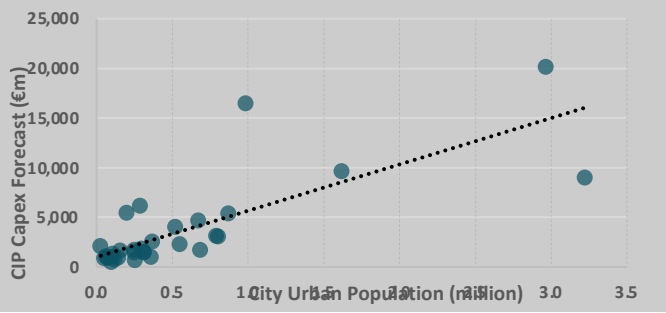
Cities with an Adaptation Alignment*

80%
Aligned with the Action Plan

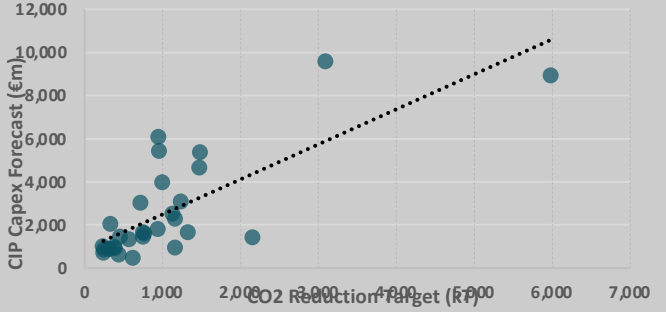
30%
Aligned through Investment

*Based on Window 1 Submissions

CAPEX vs Population Size



CAPEX vs CO2 Reduction Target



CAPEX per Sub Sector Heatmap

Source:

Climate-KIC
Co-funded by the European Union
EURO CITIES
ICLEI
Local Governments for Sustainability
EUROPE
LGi
sustainable innovation
AIT
AUSTRIAN INSTITUTE OF TECHNOLOGY
BANKERS WITHOUT BOUNDARIES
Climate Alliance
CARTIF
Cerema
CLIMAT & TERRITOIRES DE DEMAIN
00
Dm
DEMOS HELSINKI
democratic society
Urban Mobility
ENERGYCITIES
ERRIN
European Regions Research and Innovation Network
Frankfurt School of Finance & Management
Bankakademie | HfB
Fraunhofer
Institute for European Environmental Policy
MATERIAL ECONOMICS
METABOLIC
OPEN & AGILE SMART CITIES
POLITECNICO
MILANO 1863
RESILIENT CITIES NETWORK
REGEA
RUPPRECHT CONSULT
Forschung & Beratung GmbH
south pole
TAL TECH
tecnalia
MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE
TNO innovation for life
UITP
ADVANCING PUBLIC TRANSPORT
POLITÉCNICA
UNIVERSIDAD POLITÉCNICA DE MADRID
Viable Cities
VTT

All of the Latest on Climate Neutrality under one Roof

A one-stop-shop useful for any city, regardless of where it finds itself in its journey to climate neutrality.

The NetZeroCities Portal gathers the following tools and resources:

- Climate Transition Map
- Knowledge Repository
- Finance Guidance Tool
- User Directory
- News Feed
- Events
- And much more!

Netzerocities.app

Funded by the European Union

Get in touch with NetZeroCities!

@NetZeroCitiesEU

NetZeroCities

NetZeroCitiesEU

NetZeroCities EU

www.netzerocities.eu

hello@netzerocities.eu

Funded by
the European Union

Greenet

The network of Horizon Europe Cluster 5
National Contact Point.

GREENET

The Network of the National Contact Points of Horizon Europe – Cluster 5

Miriam de Angelis
Agenzia per la Promozione della Ricerca Europea

The GREENET project has received funding from the EU Horizon Europe programme under Grant Agreement No 101069604

GREENET in a nutshell

- European network of National Contact Points (NCPs) for Cluster 5 “Climate, Energy and Mobility
- Funded by the European Commission under the Horizon Europe Framework Programme for Research and Innovation.
- Launched on the 1st Jul. 2022 - Closing on 31st Dec. 2027
- 19 beneficiaries + extended CL5 NCPs community

The consortium

1. APRE (coordinator)
2. Hub.brussels
3. RIF
4. FZJ
5. ETAG
6. PRAXI
7. CDTI
8. RVO
9. NCBR
10. TUBITAK
11. ANI
12. Rannis
13. EI
14. LXI
15. MESRI
16. BF OY
17. TC CAS
18. MEYR
19. UKRI

19 BENEFICIARIES/ PARTNERS
(52% NEW ENTRIES)
+
EXTENDED CL5 NCPS COMMUNITY
(all other officially appointed NCPs from MS, AC and TC)

Objectives

The **aim of GREENET** is to improve the professionalisation of the CL5 NCPs**:**

- Raising the general standard of support to applicants by **enhancing the competences of the Cluster 5 NCPs**.
- **Raising applicants' awareness on HE funding opportunities as well as their knowledge** by the provision of a **suite of tools** to better tackle the challenges posed by the CL5 of HE.
- **Lowering the entry barriers** for newcomers and participants from widening countries.
- Increasing the quality and inclusiveness of international consortiums **supporting matchmaking among the CL5 applicants**.

Greenet

History

Greenet

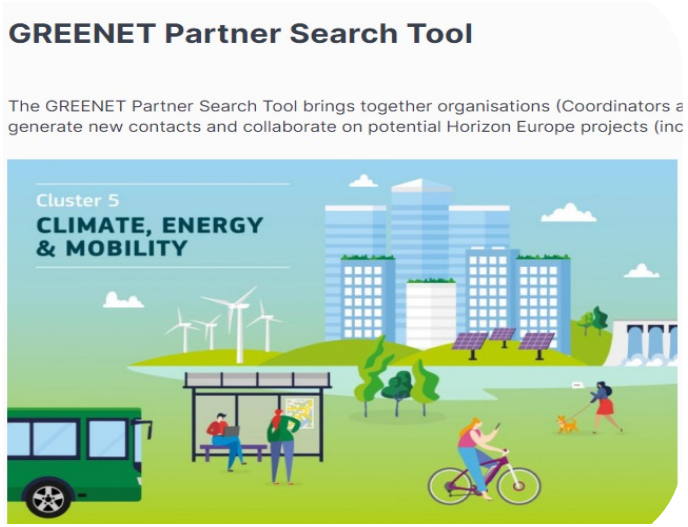
Virtual tools overview 1/2

TOOLBOX

(link)

NEWSLETTER

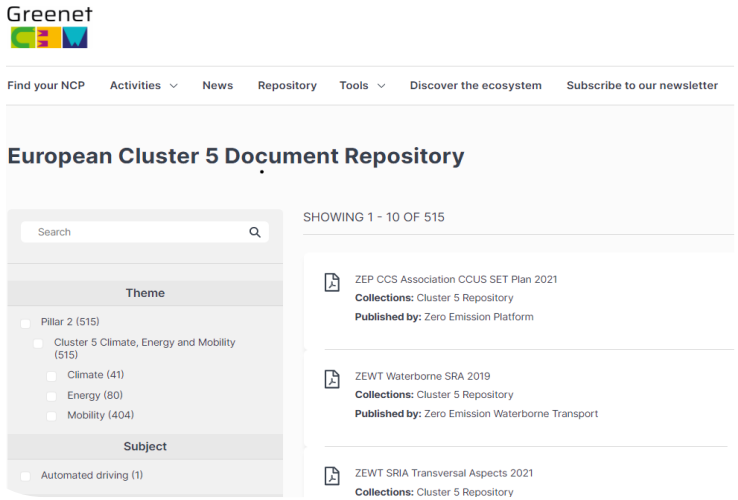
(link)



PARTNER SEARCH TOOL

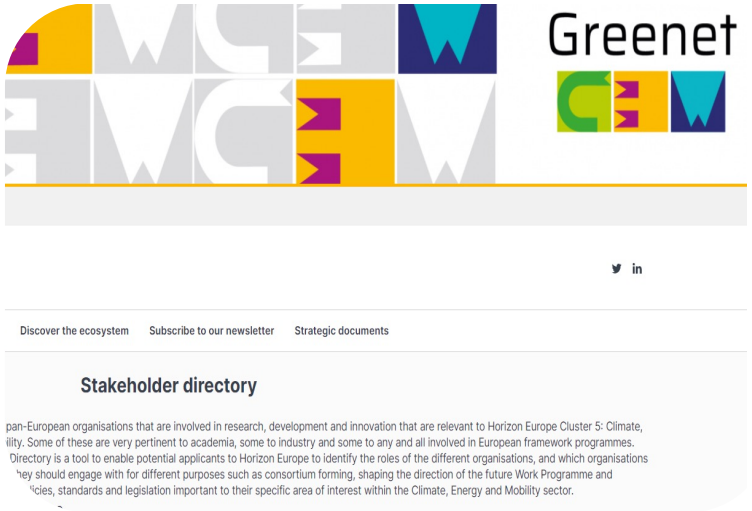
(link)

Virtual tools overview 2/2



EUROPEAN CL5 DOCUMENT REPOSITORY

(link)



STAKEHOLDER DIRECTORY

(link)

GREENET TOOLBOX – Factsheets

- informative tool to provide information about CL5 landscape and to support stakeholders and NCPs in approaching CL5 funding opportunities

- **1 introductory factsheet + 11 factsheets** on CL5 partnerships:
  - ✓ GREENET Stakeholders Directory
  - ✓ Europe's Rail Joint Undertaking
  - ✓ SESAR3 Joint Undertaking
  - ✓ Clean Aviation Joint Undertaking
  - ✓ Climate KIC
  - ✓ EIT Urban Mobility
  - ✓ EIT InnoEnergy
  - ✓ People-centric sustainable built environment (Built4People)
  - ✓ European Partnership – Towards zero-emission road transport (2ZERO)
  - ✓ European Partnership on Connected, Cooperative and Automated Driving (CCAM)
  - ✓ European Partnership on Zero Emission Waterborne Transport (ZEWT)
  - ✓ European Partnership for an Industrial Battery Value Chain (Batt4EU)

- 12 new factsheet planned:

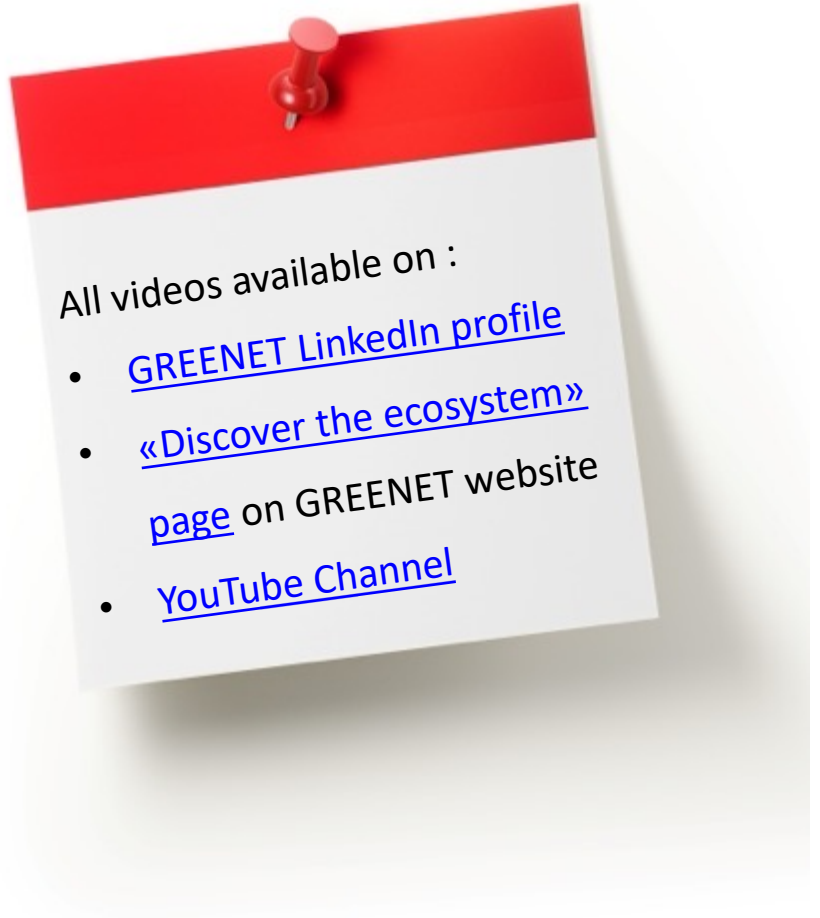
- **Proposal preparation**
- **Networking**
- **Policy framework for CL5 partnerships**
- **SSH**
- **Open science**
- **Stakeholder directory**
- **Document repository**
- **Innovation Fund**
- **Connecting Europe Facility**
- **LIFE**
- **Just Transition Fund**
- **The European Urban Initiative**
- **ELENA (European Local Energy Assistance)**

- Check the **repository page** on GREENET website to stay update

Video Interviews

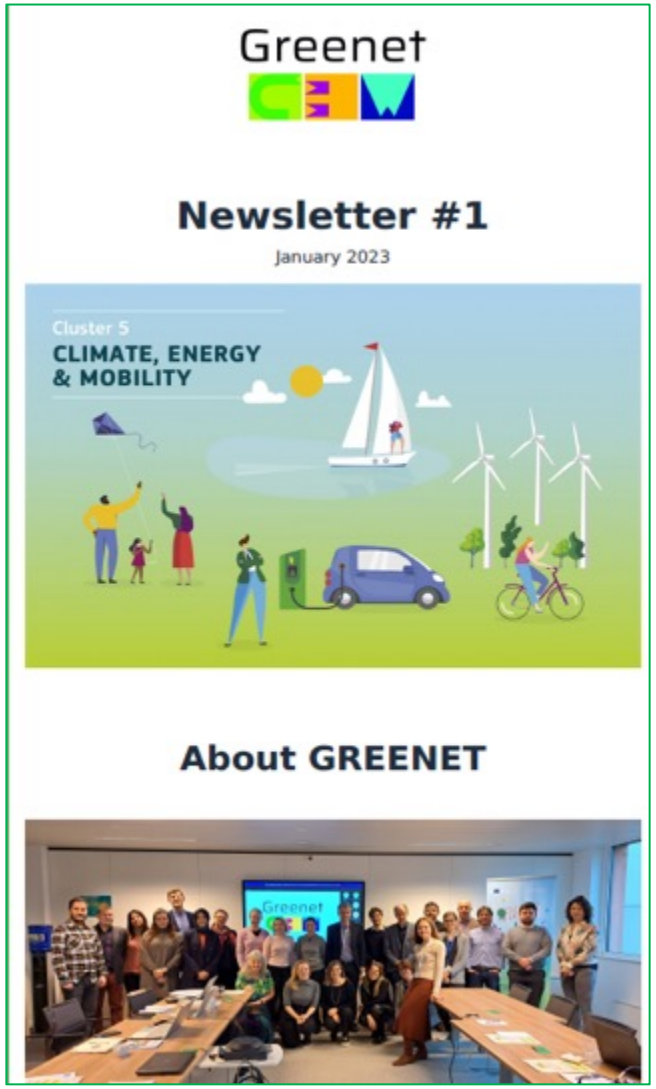
Video interviews aimed at showcasing the innovation potential of the R&I communities in widening countries and beyond:

- **6 video interviews** featuring the main R&I actors Climate, Energy and Mobility areas in **Poland, Greece, Türkiye and Malta**
- **2 additional videos** about Polish and Turkish mair players of the **hydrogen sector** in the framework the Hydrogen Week in Brussels



NEWSLETTER

- Designed to spread main **updates, news, events and funding opportunities** that are relevant for CL5 of HE
- Issued **quarterly**
- Subscription through [GREENET's website]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Newsletter #1

January 2023

Cluster 5
CLIMATE, ENERGY & MOBILITY

About GREENET

feedback for the next workshops and info days on existing emerging and/or potential value chains in energy in widening countries, which are going to take place in the context of future activities of GREENET Project.

Please find the presentation materials used in this thematic training on the GREENET website.

Events and opportunities

Events:

- International Congress on Transportation Research, organised by Hellenic Institute of Transport and Hellenic Institute of Transportation Engineers , 20-22 September 2023, Heraklion, Crete
- International Transport and Air Pollution (TAP) conference, organised by Swedish Environmental Research Institute, 25-27 September 2023, Gothenburg, Sweden
- Waterborne days, organised by ZEWT & Waterborne TP, 26-27 September 2023, Brussels, Belgium
- Urban Logistics Innovation Day, organised by LEAD project, ALICE & POLIS, 26 September 2023, Brussels, Belgium
- RECIPROCITY Final Event – Mobility Assembly Regensburg, organised by RECIPROCITY, 28-29 September 2023, Regensburg, Germany
- World Road Congress, organised by PIARC, 2-6 October 2023, Prague, Czech Republic
- Urban Mobility Days, organised by CDTI, 4-6 October 2023, Sevilla, Spain
- European Zero Emission Bus Conference, organised by Busworld Europe, 7-12 October 2023, Brussels, Belgium
- The Future of Road Mobility Forum, organised by EARPA, 17-18 October 2023, Brussels, Belgium
- Battery Innovation Days, organised by Batteries Europe, Battery 2030+ and the Batteries European Partnership Association, in partnership with the Batteries 1st and 2nd IPCEIs, 14-15 November 2023, Bordeaux, France
- International Cycling Safety Conference, organised by Institute for Road Safety Research, 15-17 November 2023, the Hague, the Netherlands
- POLIS Annual Conference, organised by POLIS, 29-30 November 2023, Leuven, Belgium
- Transport Research Arena, organised by TRA, 15-18 April 2024, Dublin, Ireland
- European Mobility Expo, organised by GIE Objectif transport public, 1-3 October 2024, Strasbourg, France

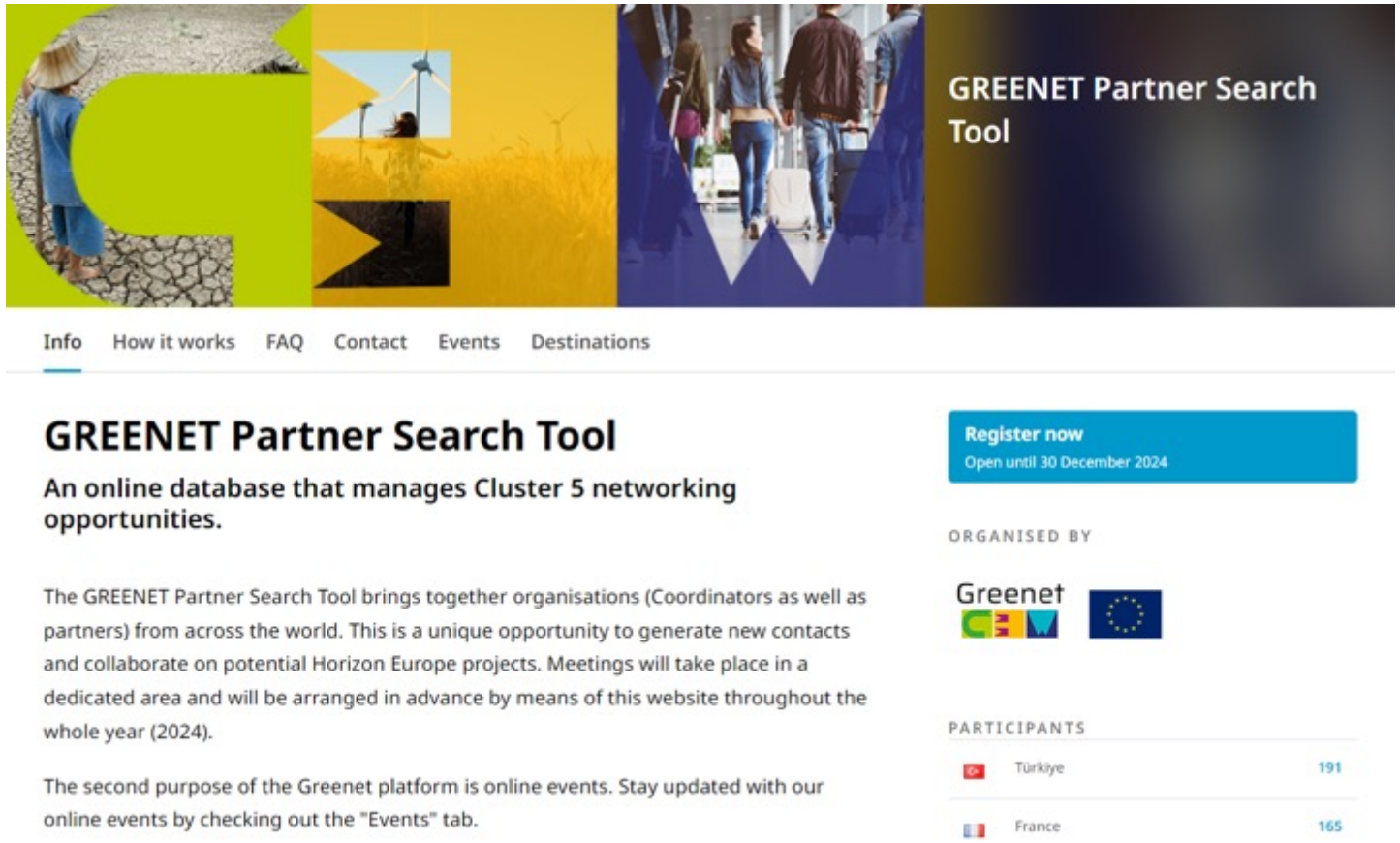
News from Cluster 5 relevant partnerships and initiatives:

Key highlights from 2ZERO partnership:

- The RTR Conference 2023 summary report has been published, following the three-day event organized by the 2ZERO and CCAM

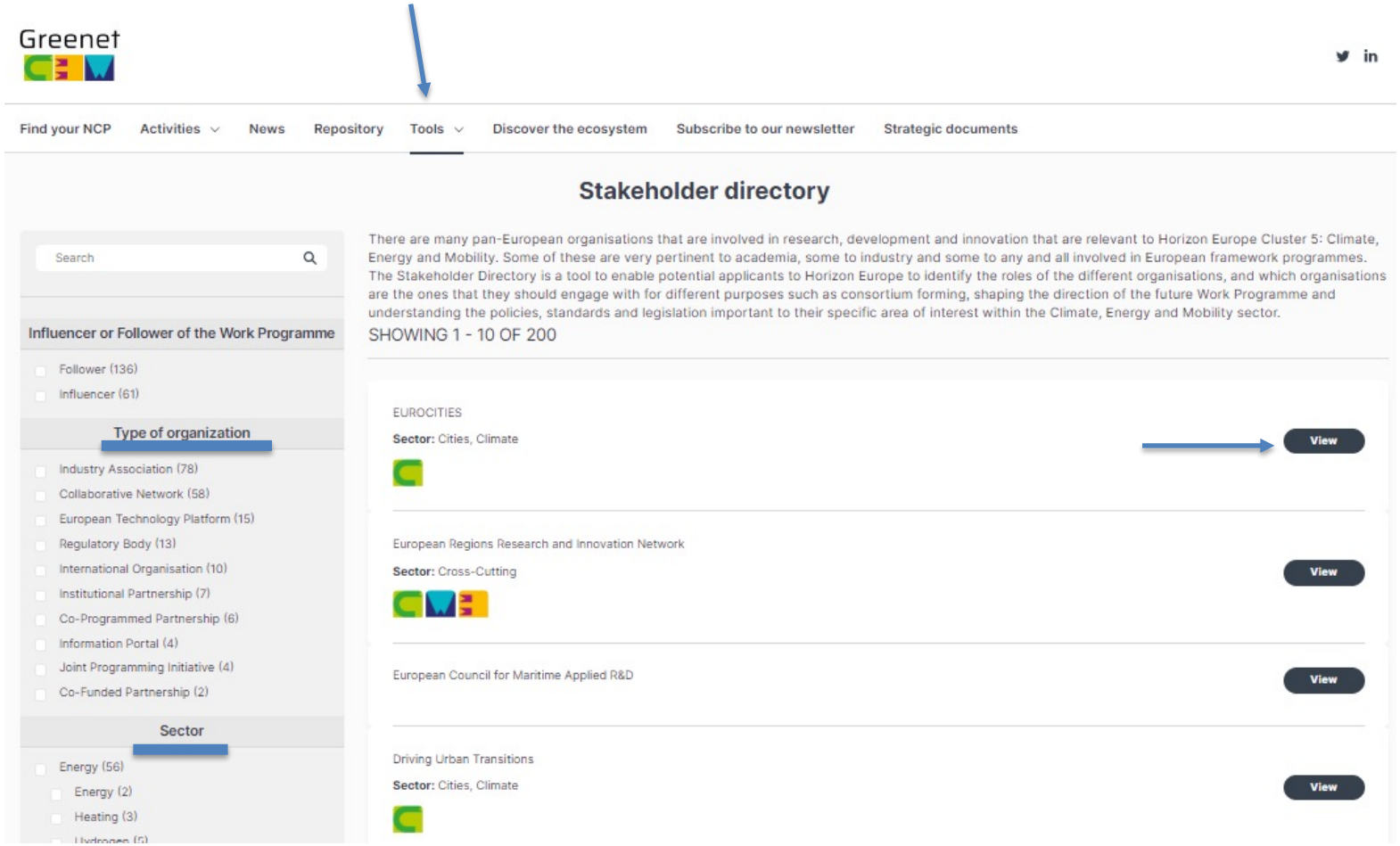
GREENET PARTNER SEARCH TOOL

- The PST offers a platform for networking among HE CL5 applicants, both potentially acting as coordinators and/or partners, **supporting the creation of consortia** for CL5 open calls for proposals
- **permanently** active
- available via **GREENET website**
- **<855 registered profiles**



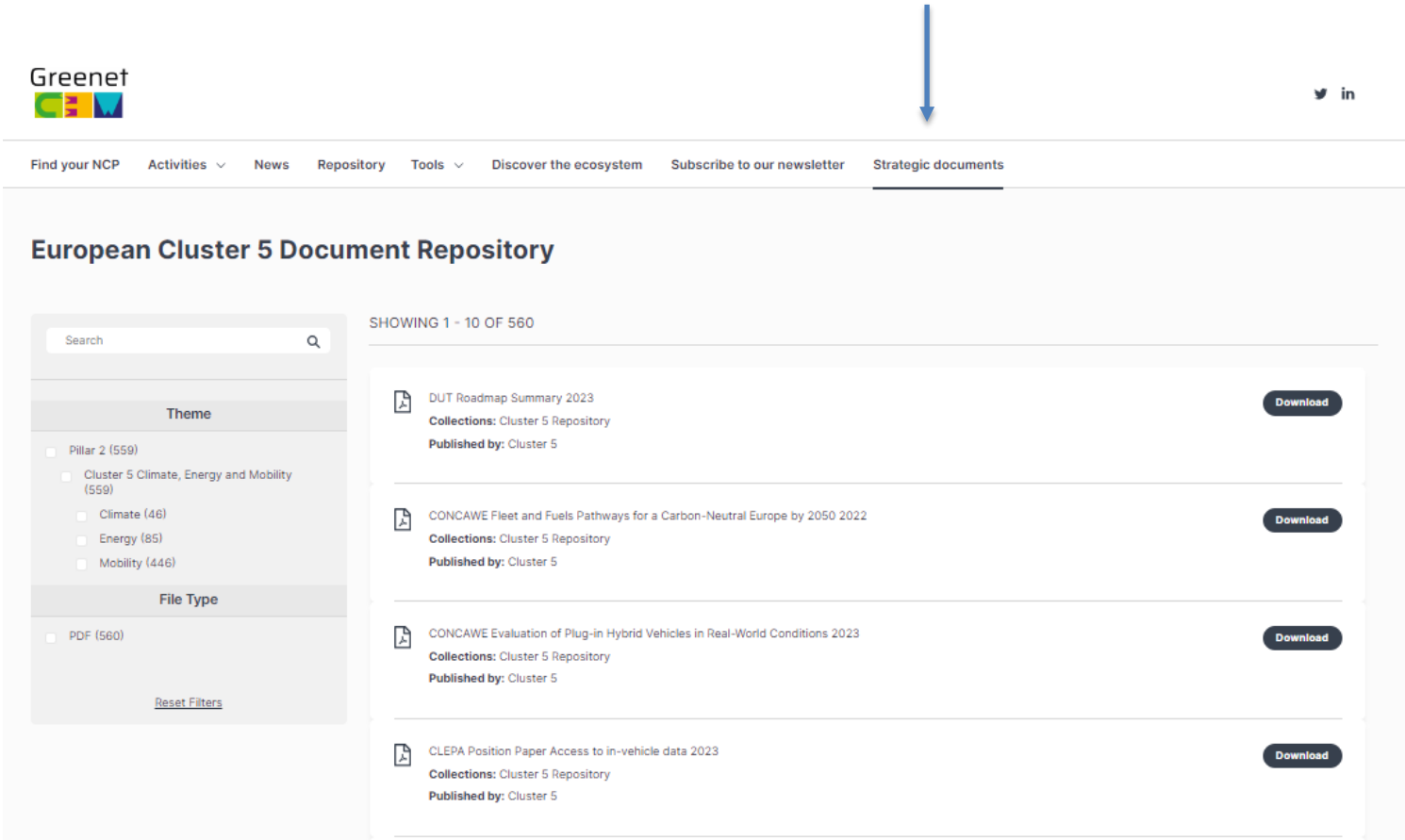
STAKEHOLDER DIRECTORY

- **Online database** gathering info on main European stakeholders in the Energy, Climate and Mobility areas.
- allows applicants to **directly access the organisations of interest** through a link to their website and provides details of how to contact them
- Provides an **online filtering tool** that simplifies the search for organizations of interest
- **continuously** updated



DOCUMENT REPOSITORY

- library of web-based material including **roadmap documents**, **strategies, white papers and position papers published by relevant actors** (ETIP, industry groups, academic clusters etc.) of the European research and innovation community on climate energy and mobility
- <**1849** searchable by file name/organisation on GREENET website.
- relevance limit of 5 years
- **links from the document repository to the relevant stakeholder organisation** (stakeholder directory)



GREENET activities - Onsite & Online training events for NCPs

5th GREENET webinar for NCPs: EIT KICs

The webinar will focus on the European Institute for Innovation and Technology (EIT) and we are delighted to have Mr Marton Herczeg, Head of Unit Innovation Ecosystems, EIT Management Team and Vaya Piteli, NCP EIT from PRAXI Network as our speakers.

Online

09/02/2024

First GREENET Masterclass: Proposal writing for Cluster 5 NCPs, focus on Impact and Evaluation

First GREENET Masterclass: Proposal writing for Cluster 5 NCPs, focus on Impact and Evaluation.

21/06/2023

GREENET workshop on potential and emerging value-chains in energy

GREENET supports organisations for the transformation towards competitive energy supply, efficient sustainable and inclusive energy use and clean, in Horizon Europe (HE) framework programme. This online workshop is a great opportunity to be informed about the funding opportunities offered by the HE ...

Online

19/05/2023

2nd GREENET webinar for Newcomer NCPs

The second GREENET webinar for newcomer NCPs consisted of presentations on the NCPs' role, clients' needs according to different profiles and NCP services and best practices in different countries.

11/05/2023

1st GREENET webinar for New CL5 NCPs

The first GREENET webinar for new CL5 NCPs presented consisted of presentations on Horizon Europe overall concept and background, proposal preparation steps and key documents and useful tools.

27/04/2023

GREENET Webinar: Copernicus and Galileo services

On 13 April 2023, the GREENET network project organized an online event targeted to Cluster 5 NCPs on Copernicus and Galileo services. The webinar aimed to help Cluster 5 NCPs to better understand these EU programmes and their services - what they are and how they can be used in a Horizon Europe pro...

13/04/2023

GREENET Webinar: Overview of the Clean Hydrogen Joint Undertaking

This webinar on the Clean Hydrogen Joint Undertaking and call for proposals in 2023 was presented by the Horizon Europe Cluster 5 NCP network GREENET on 9 March 2023. NCPs can access and download this webinar's presentation as a PDF document on the GREENET network's Repository section.

09/03/2023

GREENET activities – NCP Forums

- Held biannually
- Include informative sessions exclusively addressed to CL5 NCPs.
- Used to collect first-hand feedback and impressions from the CL5 NCP community about the overall developments of the network in order to make the latter more responsive to the actual needs of the NCPs.

GREENET activities – Twinning for NCPs

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NCP Twinning visit to France – 22nd June 2023

Ministère de l'Enseignement Supérieur et de la Recherche (MESR)
25 rue de la Montagne Sainte Geneviève
75 005 Paris

Agenda	
09:00-09:30	**Welcome / Warm-up** Tour de table
09:30-10:00	**Presentation of the French network for national contact points** • Nathalie Boulay-Laurent, head of department (tbc)
10:00-10:50	**Focus on Cluster 5 and the day to day organization within a French NCP Team** • Benjamin Wyniger & Jean-Marc Zaccardi, French NCP Cluster 5
10:50-11:00	**Coffee Break**
11:00-12:00	**Follow-up discussion with present NCPs about the different national NCP systems** • With the participation of other French NCPs from different clusters
12:00-13:00	**Lunch Break**
13:00-14:00	**Open discussion: what does "being a NCP" mean?** • NCPs discuss more specific topics of interest, issues faced in their daily activities
14:00-14:30	**Synthesis and identification of possible topics for the next twinning sessions**
14:30-15:00	**Questions and Answers / End of the day**

Greenet

NCP Twinning visit to Dublin - 19th April 2024

Enterprise Ireland

The Plaza, East Point Business Park, Dublin D03 E5R6

(preliminary) Agenda	
9.30 - 10	Welcome/Tour de Table
10 -10.30	Presentation of Irish Horizon Europe Network (Kevin Burke - National Director TBC)
10.30-11	NCP Discussion - Different HE Structures
11-11.15	**Coffee Break**
11.15	A day in the life of an NCP..... (Mark Sweeney - NCP Cluster 5 and 6) • Information Source/Signposting • Working with Clients, Pipeline Management • Partnering • Project Scoping • Proposal Reviewing • Training/Supports NCP Discussion/ Q&A
1-2pm	**Lunchbreak**
2pm-3pm	Open Discussion with NCPs, e. g.: • Working with the Commission • HE Dashboard • NCP Supports
3-3.30pm	Summary Discussion and Close

GREENET activities - NCP Mentoring Programme

- The GREENET Mentoring Programme runs from September to March each year of Horizon Europe. During this period, several mentoring groups of a maximum of 4 participants each will meet virtually at least 4 times to exchange knowledge about their work and experiences as NCPs.
- Each mentoring group acts individually and consists of one experienced NCP from Horizon Europe Cluster 5 and up to 3 new/less experienced NCPs.
- **The settings of GREENET Mentoring Programme**

  When and for how long?

  During the lifetime of Horizon Europe, there will be several mentoring phases, each lasting 6 months, from September to the beginning of March.

  Who can become a mentee?

  All officially nominated NCPs in Horizon Europe Cluster 5 with the need of more knowledge and support in a chosen specific mentoring field of HE Cluster 5 can become a mentee. Applications are open throughout the year, with a cut-off date in the summer.

  Who can become a mentor?

  All officially nominated NCPs in Horizon Europe Cluster 5 with experience and knowledge in a chosen specific mentoring field of HE Cluster 5 can become a mentor. Mentors are welcome to participate as often as they wish. Here too, applications are open throughout the year, with a cut-off date in summer.

GREENET activities - Onsite & Online training events for applicants

- Onsite training and on-line webinars on the most important topics related to Cluster 5, aiming at **raising awareness** of HE funding opportunities**,** contributing to a **higher success rate** and making the whole **application process easier** and **more understandable** for potential applicants:

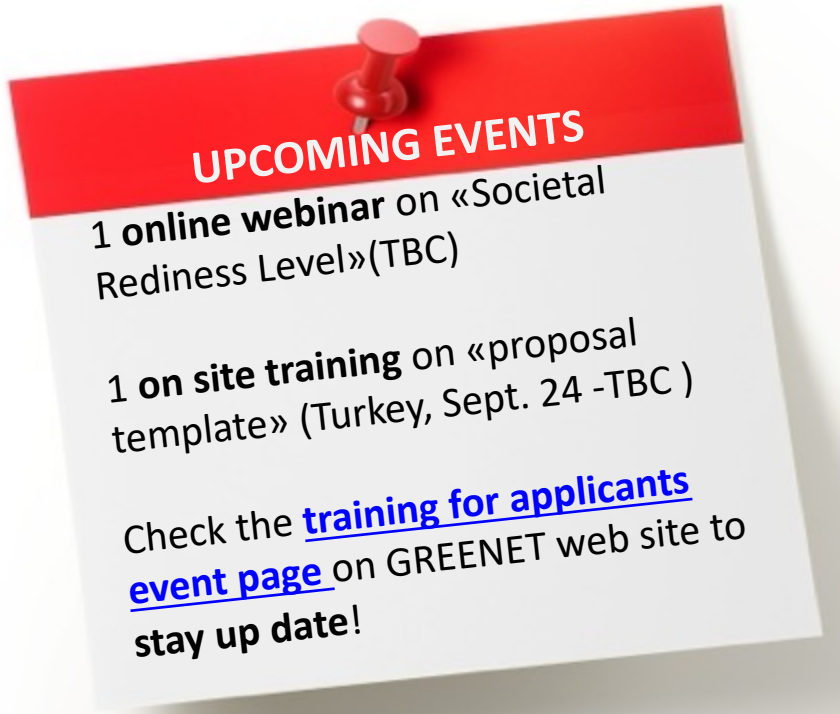
- **4 trainings** already organized :

  - 1 webinar **"Information day on Horizon Europe cluster 5 - Climate, Energy and Mobility** (30th May 2023)

  - 1 hybrid event **"ASK 4 Green: an Advocacy for Social Key-instances in Green Transition"** (8th June 2023)

  - 1 on-site training focused on **proposal preparation, including impact and risk management** (Cyprus, 30th June 2023)

  - 1 webinar "Transnational and Virtual Access Webinar" (27th Aprile 2023)



GREENET activities- Networking Events

- **on-site and online Brokerage Events** where participants can present their organizations and project idea and meet potential partners from all over Europe :
  - **pitching session** (including a part devoted to participants from widening countries)
  - **bilateral meetings**

- **2 Brokerage already organised in conjunction with European Commission CL5 Infoday :**
  - GREENET Brokerage Event for HE Cluster 5 - 2023 calls (15th December 2022)
  - GREENET Brokerage Event for HE Cluster 5 - 2024 calls (18th October 2023)

- Pitching session organized during the TRA2024 in Dublin (Apr. 2024)

- In complementarity with **GREENET Partner Search Tool**

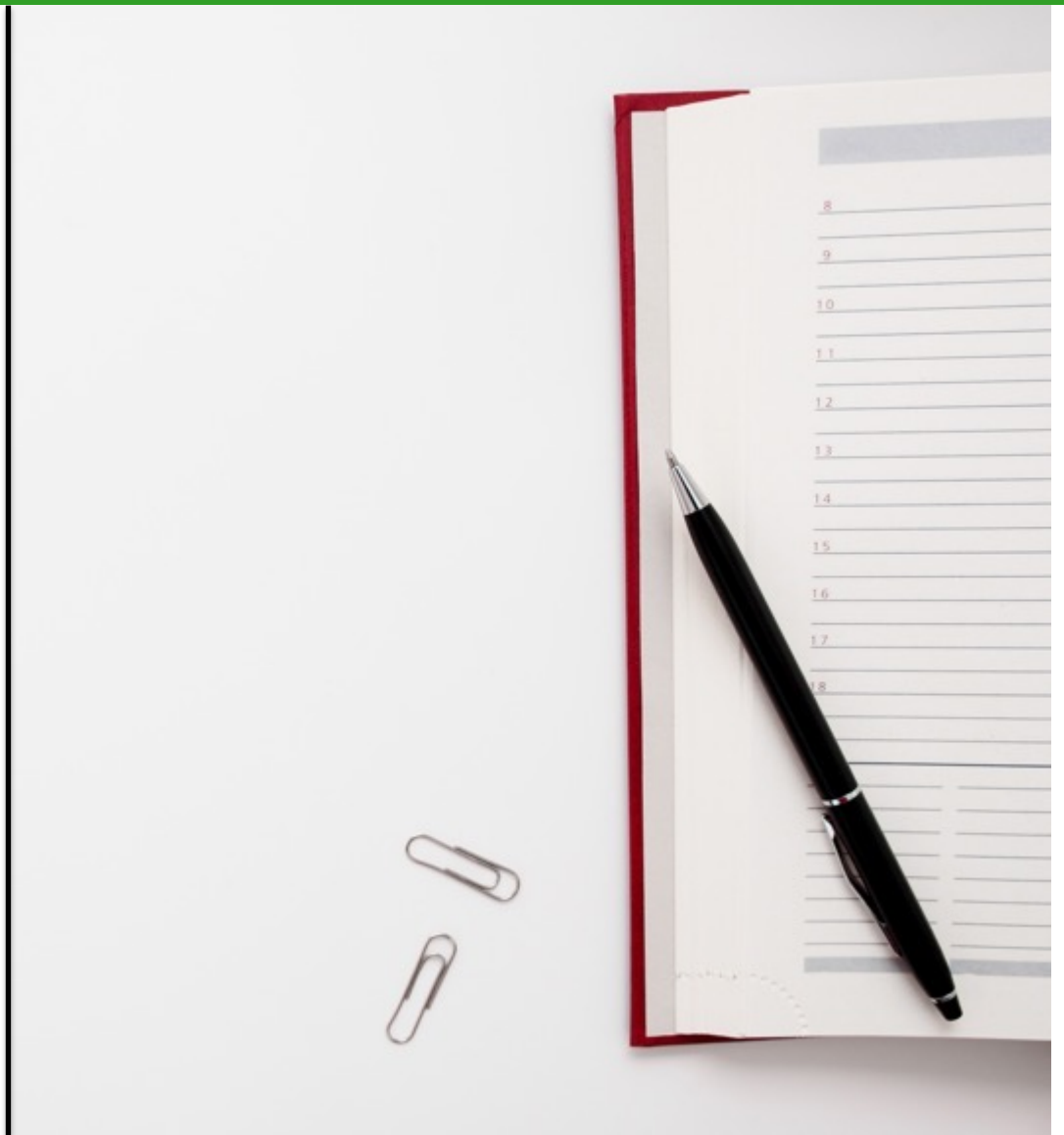
- Material and information available on the Networking Activities page on GREENET website

CONTACTS

GREENET

@NCP_GREENET

ncp-greenet.eu



Greenet

The network of Horizon Europe Cluster 5
National Contact Point.

Thanks for the attention

Miriam de Angelis
mdeangelis@apre.it

The GREENET project has received funding from the EU Horizon Europe programme under Grant Agreement No 101069604

Innovate UK

Support for partnering: "Business Connect Travel Awards"

Belen Rebollo
Knowledge Transfer Manager
European Programmes

Innovate UK Business Connect Team

From innovate UK Business Connect we help you accelerate your innovation. We do this by connecting ideas, people and communities to respond to challenges and drive positive change. We can make introductions to new business partners and funders, help you find collaborators for grants and project delivery and introduce you to new market opportunities.

How we can help

SCAN ME

Make powerful connections

Secure funding

Get expert insight

Keep up to date

Innovate UK

European Travel Awards

SCAN ME

Travel Support available for UK-based R&D SMEs to attend European events

Posted on: 31/08/2023

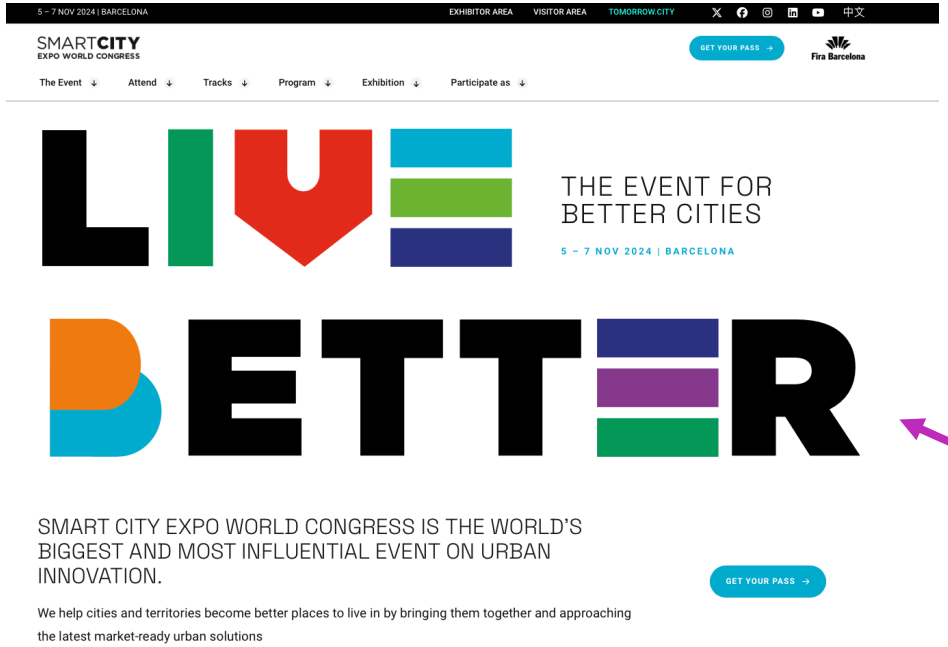
Innovate UK “European Travel Awards” support attendance of *UK based R&D performing SMEs* to specific targeted events for the purpose of increasing engagement with potential partners.

Characteristics:

- Application for each specific event gets advertised @ Innovate UK KTN website
- A maximum of £700 can be claimed as a contribution towards travel costs incurred for the purpose of attending the specific event. *Only 1 representative per SME*.
- In addition to the funding bespoke pro-active support from IUK teams to progress project idea to application into European Programmes (Eureka & Horizon Europe)

UKRI Innovate UK

European Travel Awards



Up to £700 is available to help cover travel and subsistence costs needed to attend the following events:

- CELTIC 21st Anniversary Celebration at the Berlin 6G Conference, **1-4 July 2024, Berlin, Germany** (Application deadline: 16 June 2024, Notification date: 20 June 2024)
- EUROBIKE 2024, **3-7 July, Frankfurt, Germany** (Application deadline: 24 June 2024, Notification date: 26 June 2024)
- EUREKA-ITEA PO Day: Software Innovation, **10-12 September 2024, Antwerp, Belgium** (Application deadline: 29 July 2024, Notification date: 2 August 2024)
- European Space Agency – Industry Space Days 2024, **18-19 September, Noordwijk, The Netherlands** (Application deadline: 27 August 2024, Notification date: 30 August 2024)
- Sustainable Places 2024, **23-25 September, Luxembourg** (Application deadline: 19 August 2024, Notification date: 21 August 2024)
- Wind Energy Hamburg, **24-27 September 2024, Hamburg, Germany** (Application deadline: 19 August 2024, Notification date: 21 August 2024)
- InnoTrans 2024, **24-27 September, Berlin, Germany** (Application deadline: 26 August 2024, Notification date: 29 August 2024)
- 10th European Conference on Sustainable Cities and Towns, **1-3 October 2024, Aalborg, Denmark** (Application deadline: 2 September 2024, Notification date: 5 September 2024)
- B2B Match-Making Event Contact-Contract **(Part of the Brno International Engineering Fair), 8-11 October 2024, Brno, Czech Republic** (Application deadline: 9 September 2024, Notification date: 12 September 2024)
- EUREKA-Xecs Matchmaking: Electronic Components and Systems, **15 October 2024, Hamburg, Germany** (Application deadline: 9 September 2024, Notification date: 13 September 2024)
- 2nd Swiss Translational Medicine Conference, **24 October 2024, Bern, Switzerland** (Application deadline: 23 September 2024, Notification date: 26 September 2024)
- Smart City Expo World Congress, **5-7 November 2024, Barcelona, Spain** (Application deadline: 23 September 2024, Notification date: 26 September 2024)
- 17th European Public Health Conference 2024, **12-15 November, Lisbon, Portugal** (Application deadline: 22 October 2024, Notification date: 25 October 2024)
- POLIS Annual Conference 2024, **27-28 November, Karlsruhe, Germany** (Application deadline: 15 October 2024, Notification date: 18 October 2024)

Apply to attend any of the above events →

UKRI Innovate UK

https://iuk.ktn-uk.org/news/travel-support-now-available/

Innovate UK

Pitching session

Pitches running order

Organisation	Presenter
University of Salford	Will Swan
PURETI	Joaquín Piserra Ribera
EVE Mobility	Sarah-Marie Rust
Integrated Environmental Solutions	Anna Bozza
Manchester Climate CHange Agency	Michelle Oddy
I-Steep	David Rickerby & Andreas Skouloudis
Optimal Cities Ltd	Silviu Pirvu
Persium	Alex Yousefian
Sensyqo	Diana Lugova
TRL	Colin Brown & Karla Jakeman
University of Warwick	Keith Hyams
National Research Council of Italy	Terenzio Zenone

UKRI Innovate UK

Climate Neutral Smart Cities/ Adaptation

Proposed Approach & Experience

What is your understanding of the part of the problem/challenge you can solve?

- Focus on residential property – retrofit and new build.
- Energy efficiency and building performance – including adaptation interventions
- Smart energy systems – smart metering, storage renewables, HEMS

What previous, relevant, work or track record can you bring to the team?

- Work on new housing standards – Future Homes (DLUHC/ Homes England)
- DEEP (DESNZ) Retrofit – DESNZ work on Heat Pumps – control and commissioning
- Ofgem – smart metering, HEMS and control
- UKRI R£3.2m – major work on building performance (Barratt/ Bellway) – circular economy, energy, acoustics, indoor air quality

Partners

If you are looking for partners, what type of partners are you looking for?

- Innovators for net zero/ adaptation products/ services
- Human factors/ health
- End users
- Policy experts
- Technical – mech eng, computer science, electrical engineering, materials
- Climate scientists

Organisational Capabilities

What skills, capabilities, facilities does your organisation have that will be vital for this project?

- Energy House 2.0 large scale whole building test facility, Energy House 1 – whole Victorian end terrace – both under controlled conditions
- Smart Home and Smart Meters Labs – smart meter, IoT, and energy asset infrastructure
- UKAS accredited material lab – Thermal Measurement Lab
- Expertise in building physics, building performance, digital energy, smart metering, thermal and hygrothermal modelling, data analytics.

Administrative Information

Is your organisation academic, SME, big business, etc.
Are you planning on being the Coordinator or a Partner?

Your contact details including:

Professor Will Swan, Director Energy House Labs
University of Salford
The Crescent
Salford, M5 4WT
PIC 999829441

ZERO POLLUTION CITIES

Proposed Approach & Experience

What is your understanding of the part of the problem/challenge you can solve?

Pollution (mainly NOX) is cause of 500.000 premature deaths in EU. We have the most cost-effective solution for its reduction.

What previous, relevant, work or track record can you bring to the team?

We participated in the iSCAPE Project with proven real-world results (overall reduction of NOX 10%- to 20% and 40% at human height/pedestrians).

SVP see published papers:

"Numerical simulation of air pollution mitigation by means of photocatalytic coatings in real-world street canyons"

https://www.sciencedirect.com/science/article/pii/S0360132320307174

"The effect of photocatalytic coatings on NO_x concentrations in real-world street canyons"

https://www.sciencedirect.com/science/article/pii/S0360132321007113

H2020recognized iSCAPE project as one of the 10 breakthorughs that will shape the EU for the next 60 years

https://horizon-magazine.eu/article/10-breakthroughs-shape-europe-next-60-years_en.html

Our corporative video: https://www.youtube.com/watch?v=GMbLqoeflS0

Partners

If you are looking for partners, what type of partners are you looking for?

Urban domains/municipalities have high barriers of entry for public constructions. Usually, few public construction local firms dominate every city hall or geography or country.

We would like to give an exclusivity contract to the main players in the EU cities. It is difficult for us to access them.

We need help in that matter.

Organisational Capabilities

What skills, capabilities, facilities does your organisation have that will be vital for this project?

The wáter based solution can be easily aplied with spray trucks on the streets and spray guns on the facades of buildings without affecting the underlying Surface (100% transparent)

We can scale production easily to large amounts

We are a research firm and scale up company

We have clientes OEM all over EU.

Administrative Information

Is your organisation academic, SME, big business, etc.

SME

Are you planning on being the Coordinator or a Partner?

Both

Your contact details including:

Dr. Joaquín Piserra Ribera

+34 66454828 – jpiserra@pureti.es – CEO PURETi Europe. Spain.

PIC NUMBER: 926654678

E-Mobility Analytics for Climate-Neutral Cities by 2030

Proposed Approach & Experience

EVE empowers the partner cities to achieve net zero emissions by 2030 through advanced data analytics for fleet electrification and management. Our software supports city transportation and logistics firms in transitioning to electric vehicles efficiently, reducing emissions, and optimising operations.

EVE has successfully conducted pilot projects with leading transportation and logistics firms in Europe. A German taxi company used our software to reduce charging time by approximately 30 minutes per vehicle, while Portugal's largest road operator leveraged our solutions to cut their electrification investment by 40% across their depots. These pilots demonstrate our capability to deliver tangible benefits and support large-scale fleet transitions to sustainable mobility.

Organisational Capabilities

Expertise in Sustainability and Mobility:

EVE's team includes industry experts with extensive knowledge in sustainable energy, mobility, and data science, enabling us to design and implement effective fleet electrification strategies.

Advanced Data Analytics:

EVE's core strength lies in the ability to analyse complex data sets. EVE uses predictive analytics and digital twin technology to provide actionable insights for optimising fleet operations and charging infrastructure.

Customisable Software Solutions:

EVE's software is highly adaptable, allowing to tailor solutions to meet the specific needs of diverse fleets. This flexibility ensures that EVE's technology can be seamlessly integrated into existing operations.

Partners

Cities and Municipalities: EVE aims to partner with cities committed to achieving net zero emissions by 2030. These cities can deploy EVE's solution to electrify and manage their own fleets or provide access to fleet operators in the region.

Sustainable Mobility Organisations: EVE seeks collaboration with other organisations focused on sustainable mobility and infrastructure projects. By working together, we can leverage each other's strengths and expertise to create comprehensive solutions that advance the goals of sustainable transportation and infrastructure.

Administrative Information

EVE Mobility
SME
Partner Organisation

Sarah-Marie Rust
sarah@eve-mobility.io
Ireland
PIC: 885162734

HORIZON-MISS-2024-CLIMA-01-07

Demonstration of solutions specifically suited to rural areas and small/ medium size population local communities

IES INTEGRATED ENVIRONMENTAL SOLUTIONS

Proposed Approach & Experience

- **PROBLEM STATEMENT:** small and medium LAs within rural areas often lack the proper financial and technical resources to timely address climate change challenges, and plan for improved rural resilience and adaptation capacity.

- **HOW WE ADDRESS IT:** we can support LAs providing them with a unique digital solution, utilising our proprietary DT technologies, to empower them to implement risk-informed decisions for improved resilience to climate change mitigation and adaptation and catalyse local investments.

Experience and Track record on EU-funded projects:

In the last decade, IES raised €15M+ funding, joining and coordinating (30%) 60+ RD&I projects in EU, UK, and Ireland.

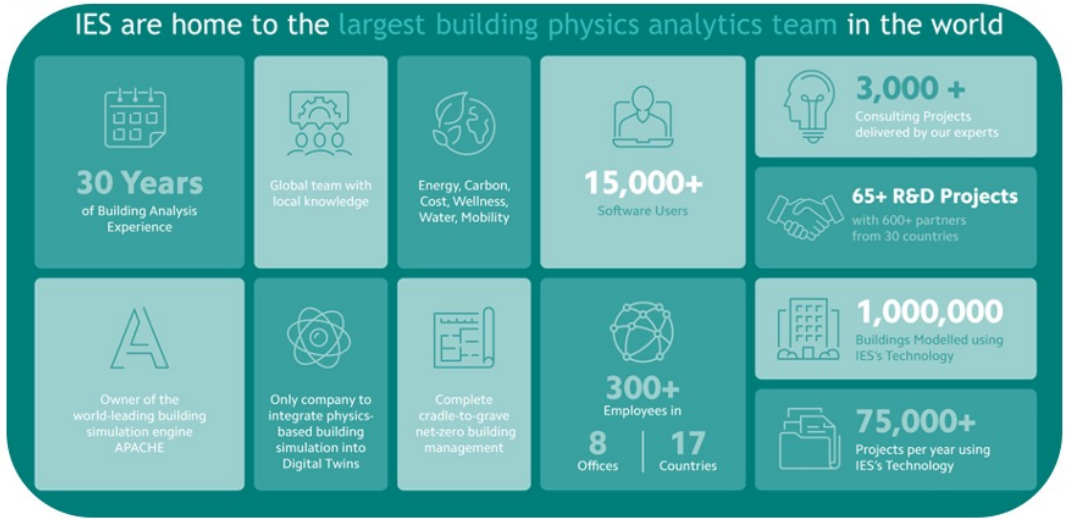
MULTICARE · Minority Report · VARCITIES · GreenIN Cities · Step-WISE CO2 · REGEN

Partners

- Local Authorities (LAs)
- Organisations working on social sciences and humanities
- Universities / RTOs working on risk assessment and resilience quantification
- Organisations developing weather files, and input data for data- and physics-based simulation of climate events
- Technology providers (meters, IoT, PVs, etc.)
- Organisations working on ontologies/integrators
- Organisations working with GIS

Organisational Capabilities

IES are regarded as a world climate-tech leader, developing cutting-edge sustainability solutions, in diverse sectors (construction, energy, etc.).



Administrative Information

IES are a large enterprise (LE), with headquarters in Glasgow (UK) and Dublin (IE), and with >250 employees.

Over the last 30 years, we have built a solid reputation, working in 13+ countries worldwide and relying on a large network of partners.

We may be an active partner, working on digital solutions.

Anna Bozza (IT)

+44 (0) 141 945 8500

Anna.Bozza@iesve.com

PIC: 970272474

HORIZON-MISS2024-CLIMA-01-09 Systemic and cross-sectoral solutions for climate resilience, tailored to the local needs of regions and local authorities

MANCHESTER CITY COUNCIL
GMCA GREATER MANCHESTER COMBINED AUTHORITY
MANCHESTER CLIMATE CHANGE AGENCY

Proposed Approach & Experience

Greater Manchester Combined Authority, Manchester Climate Change Agency and Manchester City Council want to work together to test and demonstrate digital, technological and engagement tools across a range of stakeholders in our region so that we can **speed up** and **scale up** our climate adaptation work programme across Greater Manchester.

We have worked successfully on a range of European funded climate related projects:
Urban Innovation Action funded **Ignition** project which developed evidence and tools to help businesses, local authorities, land owners, communities and others better understand and implement NBS
H2020 funded **GrowGreen** project which contributed to the evidence base on how NBS can help Cities adapt to the impacts of surface water flooding and heat stress.
H2020 funded **Triangulum** project developed a suite of projects which developed zero/low energy districts, integrated infrastructures and sustainable urban mobility projects that delivered a range of cross-cutting outcomes across different sectors and stakeholders.

Partners

Digital and technology partners to develop systemic and cross sectoral tools that we can test out and demonstrate.

Research partners to evaluate impact.

Organisational Capabilities

What skills, capabilities, facilities does your organisation have that will be vital for this project?

Adaptation and resilience forms an integral part of the city's climate change strategy. We are already adapting to climate change but need to speed up and scale up our adaptation activities to protect ourselves against warmer, wetter winters and hotter, drier summers.

A strong governance structure and collaborative regional/local authority approach make us an effective living lab to test out and demonstrate new systemic and cross sectoral solutions for climate resilience.

Administrative Information

michelle.oddy@manchester.gov.uk ; Tel: 07534 903546
What country are you from- UK
PIC numbers:
MCC- 999583837
GMCA- 911926101
MCCA- 922295692

Research and Innovation actions to support the implementation of the Climate neutral and Smart Cities Mission (HORIZON-MISS-2023-CIT-01)

Proposed Approach & Experience

Application of smart sensors and sensor networks and satellite observations to monitor emissions reduction due to implementation of zero emission road transport and smart mobility. Assessment of the implications for climate change mitigation and adaptation and effect on human health.

Previous experience in EU Projects:

- EO2Heaven (Earth Observation and ENVironmental modelling for the mitigation of HEAlth risks) https://cordis.europa.eu/project/id/244100/en
- iSCAPE (Improving the Smart Control of Air Pollution in Europe) https://cordis.europa.eu/project/id/689954

Partners

- Large technology companies and SMEs operating in the transport, remote sensing and IT sectors
- Local and national government
- University departments conducting research on climate change
- National research organisations
- NGOs concerned with environmental issues

Organisational Capabilities

- Energy production and supply.
- Transport and industrial emissions.
- Climate change.
- Atmospheric and aquatic pollution.
- Environmental monitoring with satellite and in-situ sensor technologies.
- Economic assessment for sustainable abatement strategies and
- Human exposure and health impact assessments

Administrative Information

Sustainable Technologies for Energy and Environmental Protection is an SME
We would like to be a project partner

Contact details:

Dr David Rickerby
david.rickerby@isteep.org
+39 346 6193143
Italy
PIC 886555266

Dr Andreas Skouloudis
andreas.skouloudis@isteep.org
+39 333 5941778
Italy

TOPICS: Adaptation to Climate Change & 100 Climate-Neutral and Smart Cities

optimal cities.

PROPOSED APPROACH & EXPERIENCE

Our mission is accelerating healthy city development with our intuitive Satellite & GeoAI-powered Spatial Decision Support System to analyse, diagnose, plan and monitor spatial decisions to solve $8.1+ trillion issues caused by unfit planning and pollution. Our global experience spans over 600+ projects with a focus on smart cities, urban planning & design, resilience, environmental & public health.

PARTNERS

We are looking for:

- Local Authorities in UK and/or continental Europe.
- API-driven sensor providers for noise and/or air pollution,
- Infrastructure, logistic & transport companies,
- Real Estate Development Companies,
- Planning, Design, Development Companies.

ORGANISATIONAL CAPABILITIES

SKILLS: Urban Planning, Design, Health, Economy, Energy, Infrastructure, Urban Mobility (Land & Air), Re/Insurance, GIS, Earth Observation, AI, Multi-sector Risk Assessment, Real Estate Development – applied in 600+ projects.

CAPABILITIES: Award-winning and interoperable geointel systems to support healthy development of cities leveraging GIS, GeoAI, Domain Expertise in Urban Planning, Development, Re/Insurance, Public Health.

FACILITIES:

- Working and meeting spaces in central London UK
- Geospatial engine and decision support system with global coverage dedicated for digital spatial planning.

PARTNERSHIPS in over 60 countries, including UK, EU, Asia, USA

ADMINISTRATIVE INFORMATION

Optimal Cities Ltd is an SME registered in England & Wales, No. 13913169, 128 City Rd., London, United Kingdom, EC1V 2NX

Interested in both Coordinator & Partnership opportunities.

ORGANISATION'S PIC: 883095470

CONTACT:
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THE PROBLEM

Air pollution inflicts annual welfare costs exceeding $5 trillion USD on the global economy. But policymakers are struggling to implement effective and measurable solutions.

THE PERSIUM APPROACH

We harness the power of advanced IoT sensors and our unique digital twinning platform to transform how cities manage and mitigate air pollution. Our technology delivers real-time, actionable data, enabling the implementation of effective air quality management strategies.

Our approach not only tackles air pollution but also supports evidence-backed interventions and policy public health ROIs, making our cities smarter, cleaner and healthier.

CAPABILITIES

- The most advanced low-cost air quality sensor on the market.
- Unique digital twinning platform & public health modelling.
- Currently in:

persium

PARTNERS

- EU Mission Climate-Neutral Smart Cities
- Local Councils
- Public Health Policymakers
- Universities / Research Institutes

CONTACT INFO

Alex Yousefian
alex@persium.co.uk
persium.co.uk

Cluster 5: Climate, Energy and Mobility

Proposed Approach & Experience
What is your understanding of the part of the problem/challenge you can solve?
What previous, relevant, work or track record can you bring to the team?

The company specialises in Environmental IoT and data analytics. Integrated with HVAC, it can provide insight into HVAC conditions, detect early biofilm and mould growth and alerts for clean-up (predictive maintenance). It will allow to save energy usage as biofilm reduces airflow and increases power consumption – not to mention it's health threat (Most infamous and first registered Legionella outbreak happened due to contaminated HVAC).

Sensyqo has IoT sensors and Cloud platform ready, we install and deploy sensors, collect and analyze sensors data. For this project we will provide IoT air quality sensors, set up LoraWAN network and connect sensors to LoraWAN network for data collection.

Partners
If you are looking for partners, what type of partners are you looking for?

We are looking for partner(s) with Smart Buildings, BMS and HVAC experience and capabilities. Specifically, we are interested in partners who provide solution to monitor HVAC performance (airflow and energy consumption) and who can provide access to facilities where our environmental sensors can be installed and integrated to BMS to collect environmental data and HVAC data to train Machine Learning model for early biofilm detection.

Organisational Capabilities

Sensyqo team has IoT skills such as device development, device connection and management, sensors integration, data aggregation, development and deployment as well as Azure Cloud development and integration skills.

Administrative Information
Sensyqo Ltd is UK based tech start up.
In the project we can be either Coordinator or Partner.

Contact Details:
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+44 (0)7878 360169
United Kingdom

Mobility Management Plans and Behavioural Change (HORIZON-MISS-2024-CIT-01-03)

Proposed Approach & Experience

An efficient transport system is accessible, equitable and reliable for all.

People with disabilities take 38% fewer trips than non-disabled.

This contributes to wide ranging socio-economic disadvantage, such as disabled people being almost twice as likely to be unemployed and nearly half of everyone in poverty in the UK either being disabled or living with a disabled person.

Additional annual economic benefit of £72.4bn could be generated if the entire transport accessibility gap were closed for disabled people in the UK; at European level the potential is even greater.

Partners

We are looking to partner with organisations who are seeking to improve mobility for all and need our research skills, our capabilities and stakeholder base.

Organisational Capabilities

Having completed a range of projects on accessible mobility, including for the Motability Foundation, Centre for Connected and Automated Vehicles (CCAV), the UK Department for Transport (DfT), Transport for Greater Manchester, Transport for London and the Welsh Government, TRL is well placed to support other projects.

We have specialist expertise in behavioural and social science and skills in:

- **Understanding user needs**
- **Accessibility standards and guidelines**
- **Accessibility impact assessments**
- **Inclusive transport planning**
- **Real-world trials and user testing**
- **Qualitative and quantitative methods**

Administrative Information

TRL is an SME

We are happy to lead or partner.

Your contact details including:
Karla Jakeman Head of Automation/Employee Director
kjakeman@trl.co.uk

Country: UK

PIC: 999475585

HORIZON-MISS-2023-CLIMA-01-02: Testing and demonstrating transformative solutions to protect critical infrastructure from climate change, mainstreaming nature based solutions.

Proposed Approach & Experience

TRL's aim is to see Nature based solutions (NBS) become business as usual (BAU) by being known and having standard specifications and processes built around them to enable embedment.
TRL has been integral to updating manuals and standards to adjust for both climate resilience and adaption solutions. Our work includes providing recommendations to the Asian Disaster Preparedness Centre on specifications to be adopted and concept designs for Nature based solutions (NBS).

Our work in Europe with CEDR has included reviewing and assessing new technologies and methods to address both the complex and varying solutions to deliver tools to take concepts at an early technology readiness level (TRL2-5) to deployment, through changing standards to enable teams to adopt, and using our PEMA model (Prepare, Embed, Mature, Assure) to see the transition to BAU adoption (TRL +8).

Partners

We are looking to partner with organisations who are seeking to take forward solutions and use our research skills, our capabilities and stakeholder base to embed solutions.

Key is detailed EIA, design capability and construction procurement and monitoring of installation quality.

Images: NBS applied before a structure and a structure without.

Organisational Capabilities

We are highly experienced in this field, with particular expertise working in Low- and Middle-Income Countries (LMICs). We have specialist expertise in climate resilience, asset management and monitoring and evaluation which includes:

- **Standards and concepts relating to climate mitigations and adaptions, assets, GIS and modelling for roads and bridges.**
- **Real-world trials alongside monitoring and evaluation**

Administrative Information

TRL is an SME
We are happy to lead or partner.

Your contact details including:
Colin Broadwood Head of Assets and Climate
Cbroadwood@trl.co.uk

Country: UK
PIC: 999475585

HORIZON-MISS-2024-CLIMA-01-01: Bringing available and actionable solutions for climate adaptation to the knowledge of the regions and local authorities.

Proposed Approach & Experience

TRL's work in Europe with CEDR has included reviewing and assessing new technologies and methods to address both the complex and varying solutions to deliver tools to take concepts at an early technology readiness level (TRL2-5) to deployment, through changing standards to enable teams to adopt, and using our PEMA model (Prepare, Embed, Mature, Assure) to see the transition to BAU adoption (TRL +8). These include tools to make assets more climate resilient and inspections/monitoring greener.

These solutions have been built into a web portal called Confluence. The CEDR programme has taken this to an end point and support in enabling all Local Authorities and Regional teams to know, populate and share this knowledge is required. TRL has in-depth experience of the tool and the technologies within and aim to promote this Europe wide, and can provide this for EU organisations to take worldwide, promoting EU skills and knowledge

Partners

We are looking to partner with organisations who are able to promote Confluence and the climate solutions within it to LAs and Regions and support them in adopting the technologies within and also populating them in Confluence.

TRL can to the monitoring and evaluation of these.

Organisational Capabilities

We are highly experienced in this field, with expertise working in Low- and Middle-Income Countries (LMICs). We have specialist expertise in climate resilience, asset management and monitoring and evaluation which includes:

- **Standards and concepts relating to monitoring and evaluation**
- **Capacity building and systems tools for assets and data**
- **Qualitative and quantitative methods of assessment and evaluation**

Administrative Information

TRL is an SME
We are happy to lead or partner.

Your contact details including:
Colin Broadwood Head of Assets and Climate
Cbroadwood@trl.co.uk

Country: UK
PIC: 999475585

Climate change adaptation and smart cities: ethics/justice/SSH

Proposed Approach & Experience

- Expertise in SSH methods, justice, ethics
- Developed with City of Cape Town government a new toolkit for factoring in justice and fairness considerations into climate adaptation policymaking, interested in building on this.
- Discussions with ICLEI about partnering with them and cities in the ICLEI network to use as demo sites.
- Can also bring in partners across Africa, have worked with Cape Town, Lagos, Freetown, Nairobi, Lusaka, Harare, Johannesburg, Gqeberha.

Track Record

- Top 4 in UK for Research Power and 1st in UK for Research Environment
- Over 40 funded projects across more than 10 years, including many Horizon Europe, Horizon 2020, and FP7
- Many peer-reviewed publications on climate adaptation justice

Partners

Looking to join a consortium as ethics SSH and/or ethics partner

Interested in all **HORIZON-MISS-2024-CLIMA-01** and **HORIZON-MISS-2024-CIT-01** calls where relevant ethics/justice/SSH issues arise, with a particular interest in including vulnerable groups.

Particular interest in ***HORIZON-MISS-2024-CLIMA-01-08****: Demonstration of approaches by regions and local authorities focused on increasing climate resilience of the most vulnerable social groups (just climate resilience).*

Organisational Capabilities

Interdisciplinary Ethics Research Group

- Department of Politics and International Studies, University Warwick
- SSH Social Science and Humanities methods
- Expertise in: qualitative SSH research methods, research ethics, data ethics, climate ethics, democratic participation
- Can bring in other researchers from other Warwick departments if required

Administrative Information

Professor Keith Hyams, k.d.hyams@warwick.ac.uk
University of Warwick, UK
www.warwick.ac.uk/ierg

PIC code: 999976784

Rethinking urban spaces towards climate neutrality
HORIZON-MISS-2024-CIT-01-01

National Research Council of Italy

Proposed Approach & Experience

- Improvement of public health with better local air quality, reducing the urban overheating and pollutant emissions through the use of Urban Green areas
- We are responsible of experimental sites located in urban area (Naples and Rome) for the monitoring of the CO_2 sequestration by urban vegetation.
- We evaluate the air-cooling capacity of urban green area by continuous monitoring of plants-atmosphere energy exchange.
- We evaluate the ability of Urban green areas as a tool for removing the ultra-fine particulate matter from the air and the impact on vegetation physiology.

Partners

We are looking for collaboration related to the call HORIZON-MISS-2024-CIT-01-01 or similar

Organisational Capabilities

- This research activity concerns rural and urban terrestrial ecosystems and their interaction with the atmosphere: the general goal, of our activities, is to understand the mechanisms controlling the carbon and water cycle, and their interactions with management, natural and anthropic abiotic stress factors.

- The organization capabilities are related to the observations of fluxes of several trace gases and air pollutants, most of them are harmful for plants and humans.

- We do have the expertise to investigate the interactions between urban vegetation, anthropogenic pollutants and secondary photochemical compounds, in densely populated Italian cities, with million of inhabitants

- Our institution is member of the European research infrastructure ICOS. Integrated Carbon Observation System. ICOS - Integrated Carbon Observation System (icos-cp.eu)

Administrative Information

Our organisation is the largest national public research institution
We are planning of being Partner

Terenzio Zenone PhD
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HORIZON-MISS-2024-CIT-01-04 Integrated peri-urban areas in the transition towards climate neutrality
HORIZON-MISS-2024-CIT-01-01 Rethinking urban spaces towards climate neutrality

stryker

Proposed approach and experience

'Cargo bike width and congestion-busting, small van capability and safety'.

'Automotive-Lite; Inclusive minimobility – liberating the road ahead'.

Stryker has invented hardware and software automotive suspension systems, enabling a new generation of ultra-efficient, modular, upgradable, inclusive, sustainable, circular, passenger, delivery vehicle types; half the width, quarter the mass, all the comforts of conventional ZEV cars, vans, taxis, plus parking and congestion-busting and affordability advantages. Each configuration has its' own market segment homologations.

Winner of £250k project collaborative 'Road to Zero' feasibility Innovate UK. Winner of Rushlight Powered Transport Award. Finalist Business Green Transport award versus Toyota and Volvo.

Partners

Seeking urban logistics, taxi operators, RTOs, co-ordinator, city pilots, OEMs, Tier 1s, AI, data, ADAS, MaaS, research academics, battery-swapping, suspension, tyre, ECU manufacturers, organisations and/or others that can can contribute to the wider goal of reducing all in-use and through-life emissions, especially in urban areas.

Organisation capabilities

Technology developer SME owns unique, proprietary granted patents, trade secrets, deep market knowledge in nascent frugal, enclosed Narrow Leaning Vehicle and logistics sector. Adaptable, failsafe, scalable, automotive suspension tech that is high centre of gravity tolerant, vehicle power-source agnostic, therefore safe and future-proofed. Existing virtual dynamics ADAMS, CAD package, other detailed performance data-sets and market research.

Team includes; ISO9001, ISO14001, privately-owned SME providing vehicle design and development solutions for customers such as TATA, Jaguar, Land Rover, Aston Martin Lagonda, Williams Grand Prix Engineering Ltd, SAIC, Changan, Raytheon, Nissan, Cummins, Gibbs, Red Bull Formula 1, motorsports clients and Tier 1 suppliers. Developed, validated front suspension for Nissan1 enabling front wheel drive vehicles to corner according to London taxi regulations. Chassis design competency demonstrated by a) niche-vehicle WHIPPET all-terrain vehicle and b) an urban logistic vehicle, Fernhay – vehicles both in production with first orders secured.

Administrative information

Stryker Design Ltd
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David Gale
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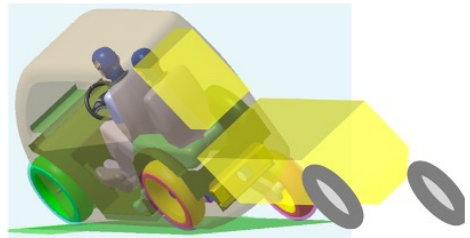
+44(0) 78 60 61 26 07
https://stryker-design.co.uk

PIC; 884310686



EU Horizon – Cities Mission

Proposed Approach & Experience

We can help to design and deliver interconnected solutions for across energy, buildings and transport working with both EU and UK stakeholders.

Office on the web Frame

Independent: Trusted by consumers & businesses.

Expert: Communicating sustainable transport and energy advice to households, communities & businesses / SMEs.

Supportive: Enabling market transformation through advice & information; financial support and capacity building.

Innovative: Innovation fund management, digital solutions, research & data analytics.

Partners

We are looking to be a partner in a consortium bringing transport & mobility expertise that interconnect with other sectors.

Overall, we're looking to work with partners to implement / support implementation of a sustainable travel hierarchy based solution.

We have a long history of successfully collaborating on European funded projects.

Organisational Capabilities

We bring transport and energy related knowledge & insight, research, evaluation, stakeholder engagement, pilot/demonstration design & delivery, and project management expertise.

Our transport specific expertise and experience include:

EV/EVCI - Design/Incorporation, Smart charging, Accessibility, Renewables integration, fleet decarbonisation

Active travel - Travel planning, Policy input, Integrated mobility

Emerging technologies - Autonomous vehicles, Mobility as a Service (MaaS), L-Cat vehicles etc.

Administrative Information

We are an independent, mission-driven organisation dedicated to tackling the climate emergency and delivering the wider benefits of clean energy as we transition to net zero.

Contact details:
Ian Barnett-Clegg
Ian.Barnett@est.org.uk

Energy Saving Trust, Caledonia House, 223-231 Pentonville Road, London, N1 9NG, UK

PIC - 994186078

Horizon (Climate Change Adaptation & Smart Cities)

TEXUNA

Proposed Approach & Experience

Texuna has developed the Field IoT platform based on a direct-to-satellite data hub for IoT connectivity whether remote or smart city based.

This can be used to cheaply deploy battery operated remote hubs and sensory networks that leverage low cost messaging protocols to deliver value for money on scalable IoT networks.

Texuna has deployed this already on Solar PV farm monitoring projects in Europe and worked with partners on award winning smart city platform.

Partners

Looking to partner with entities and research organisations with known problems and use cases.

Can your consortium benefit from a strong experienced system integrator who can deliver bespoke software, data streaming, advanced analytics and industrial IoT with a bias toward satellite connectivity and earth observation data?

Organisational Capabilities

Over 25 years, Texuna has deployed bespoke public sector and university solutions for data warehouse and data collections for regulatory publications and statutory data collections.

Texuna work with DEFRA and British Oceanographic Data Centre to deliver the new Merman+ marine monitoring environment solution for validating collection data for statutory ICES submissions.

Texuna has a team of software developers and data analysts ready to deploy on IoT projects that can ground truth data and inferences from Earth Observation data. We work extensively with network and satellite experts as well as devices and sensor manufacturers to select and integrate industrial strength solutions.

Administrative Information

Texuna is a SME based in Putney, London U.K.
Interested in partnering with coordinator organisations.

Please contact CEO Patrick Lynch
(Patrick.Lynch@TEXUNA.com)
+447887836994
www.texuna.com
PIC 950715916

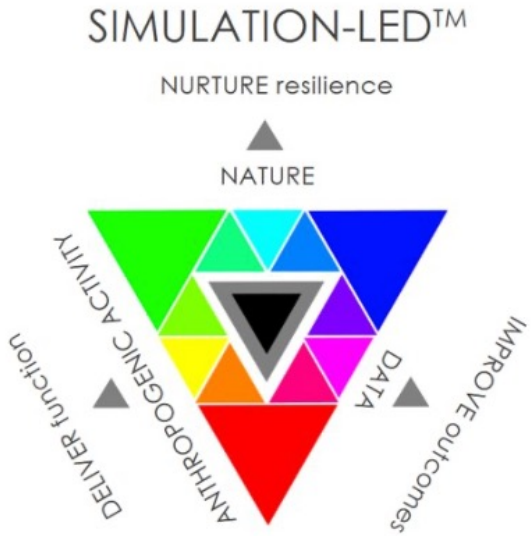
Field

Climate change adaptation and smart cities funding opportunities

Proposed Approach & Experience
Fragmentation / Siloed Thinking is the greatest challenge. Closely followed by procurement on the basis of lowest purchase price/minimal compliance, opposed to efficiency and interface.
Our 6D Digital Diorama, which puts the delivery of function in temporal, spatial and situation context, at temperature and pressure address both, by making complex, quantitative data, intuitive in 'The Minds Eye'.

Previous, relevant, work / track record
Simulation of visualization of technology and operations (on the surface and underwater) in the maritime, marine salvage and offshore sectors; coupled the development of 4P Sustainability Assurance across PLANET: PEOPLE: PROPERTY: PROFIT to answer the question – why may I rely on this?

Partners
We are always looking for new collaborative partners, across a wide range of domain expertise; data providers, including mathematical models to test / integrate In sustainaVERSE; end users seeking alternative / non main-stream ways of thinking.



Organisational Capabilities
Skills: Functional Analysis + System Thinking (FA+ST) plus logic. Wide range of software engineering skills: 2D/3D visualisation, data management / analysis / processing, complex infrastructure development. 3D scanning & drone surveying.
Diverse marine expertise (salvage, marine archology, aquaculture etc.). Complex multidisciplinary team and project management

Capabilities: Custom data visualisation solutions (including 3D, geospatial, etc.) and simulation providing seamless virtual operation in space, air, on and under land, and on or underwater. Integration of Weather, Day Length.
Bespoke software development: scientific, economic, business models. Big dome screen presentations (small audience). VR-presentations development

Facilities: stretch dome simulator for multi-disciplinary participation; distributed user interface using XR, and in some instances APPs

Administrative Information
We are an SME that borders on being an RPO. We plan to be the Coordinator.

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We are based in Scotland. UK. Our PIC is 893131187