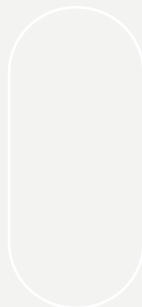
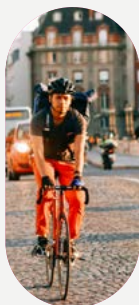


Projects Catalogue DUT Call 2023



Driving Urban
Transitions

EUROPEAN PARTNERSHIP



Co-funded by
the European Union

The Driving Urban Transitions (DUT) Partnership

Website: www.dutpartnership.eu

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The Second Generation of DUT Research and Innovation Projects

The European Partnership Driving Urban Transitions to a Sustainable Future (DUT) supports cities to address urban challenges through research and innovation (R&I). This catalogue presents the projects from DUT's second call, which was launched in 2023.

The DUT Partnership acts as a catalyst for change through research, innovation, and capacity building. Comprising 68 partners from 30 countries and the European Commission, the DUT partnership is committed to supporting national initiatives and contributing to the European Mission of climate-neutral cities, the European Green Deal, and the Urban Agenda for the EU.

DUT projects focus on three thematic areas known as Transition Pathways: 15-minute City (15mC), Circular Urban Economies (CUE) and Positive Energy Districts (PED). By funding projects in these areas, DUT supports transnational R&I that tackles urban challenges and brings cities closer to a climate neutral and resilient urban future for all. In 2022, the Partnership launched its first annual call for proposals, followed by a second call in 2023. This catalogue presents an overview of the partners and expected results from the 42 DUT R&I projects from DUT Call 2023.



DUT Call 2023 in Figures

The DUT Partnership launched its second call in September 2023 to support transnational R&I projects. Together with 39 funding agencies from 27 countries €80 million have been committed to projects that contribute to DUT's thematic areas, the Transition Pathways: 15mC, CUE and PED.

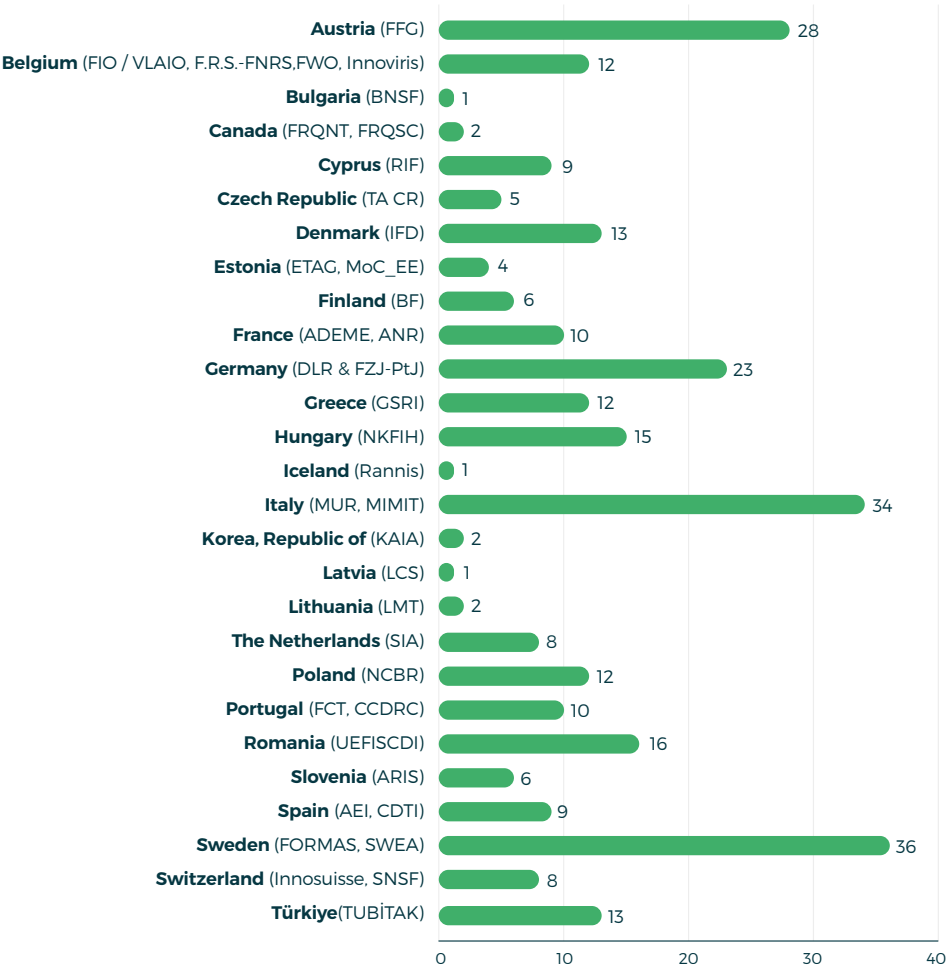
Out of 183 submitted project proposals, 42 were selected for funding. These projects will run from 2025 to 2027 and involve partners from over 500 organisations across 30 countries. Each project includes partners from at least three countries, which fosters transnational collaboration and transferability of results and tools.



Project partners per country

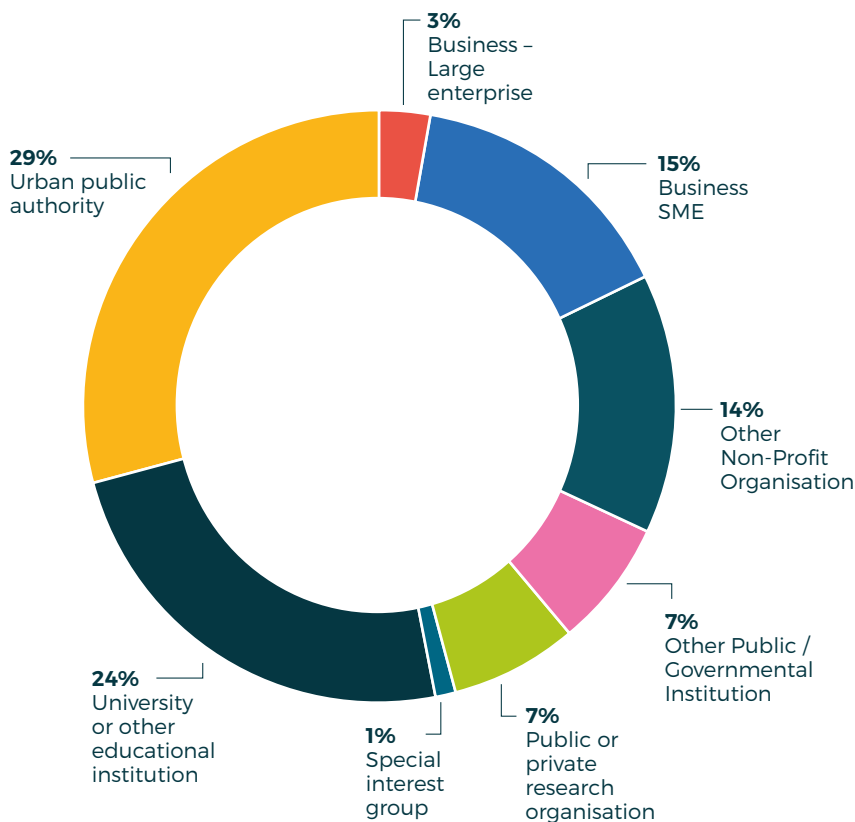
The graph below shows the number of funded project partners by country, with the respective funding agencies listed in parentheses.

In addition to the countries shown below, India, Japan, and the United States of America also have project partners participating as non-funded partners.



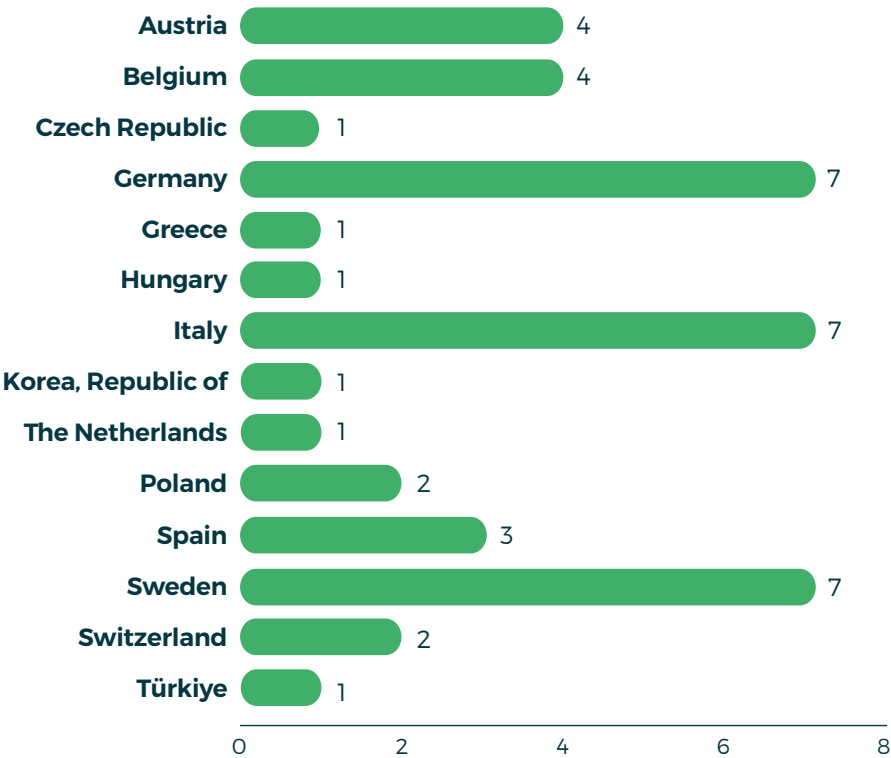
Type of participating organisations

Over 500 organisations are participating in the projects, representing a diverse range of actors including cities, universities, businesses and non-profit organisations.

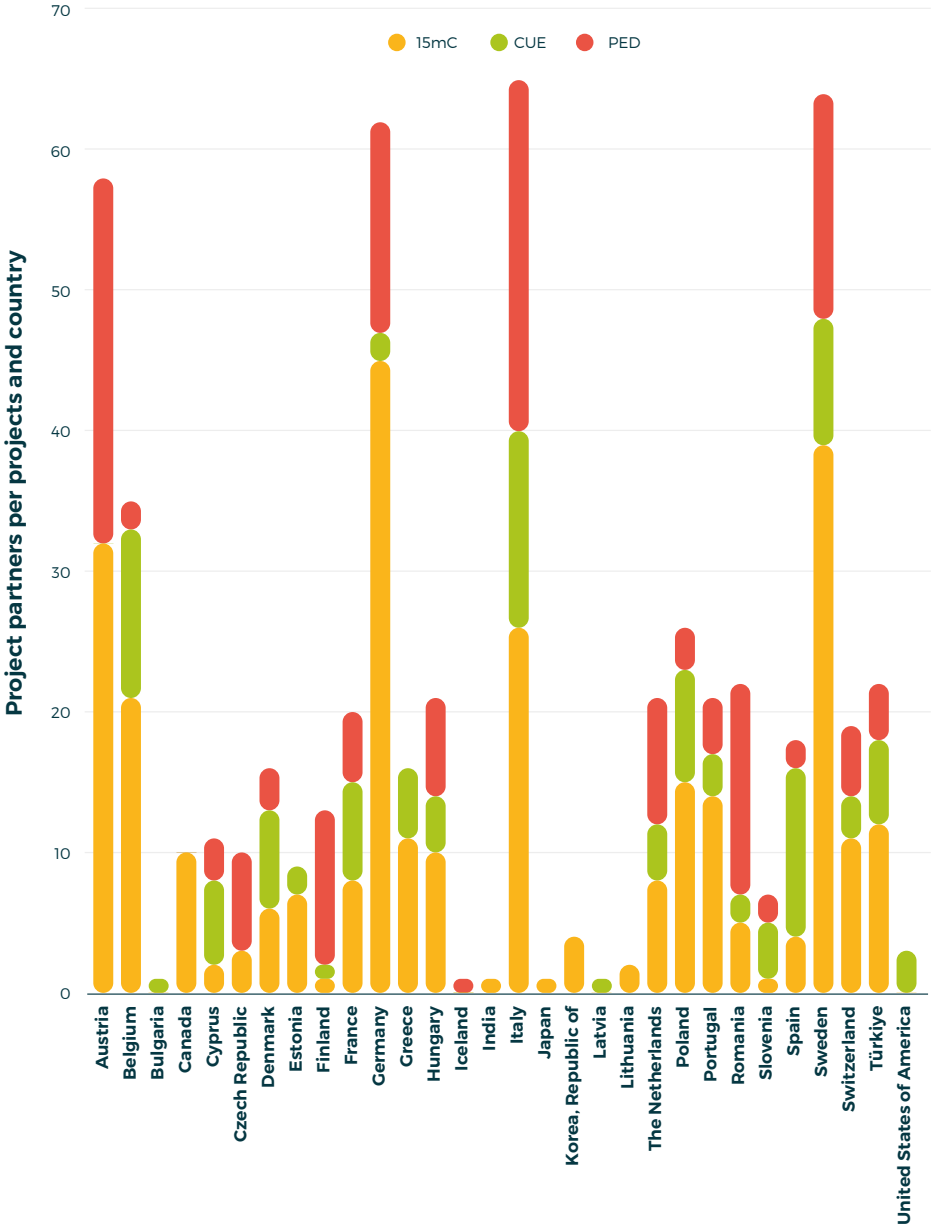


Project coordinators per country

The coordinators of the 42 funded projects are based in 14 countries.



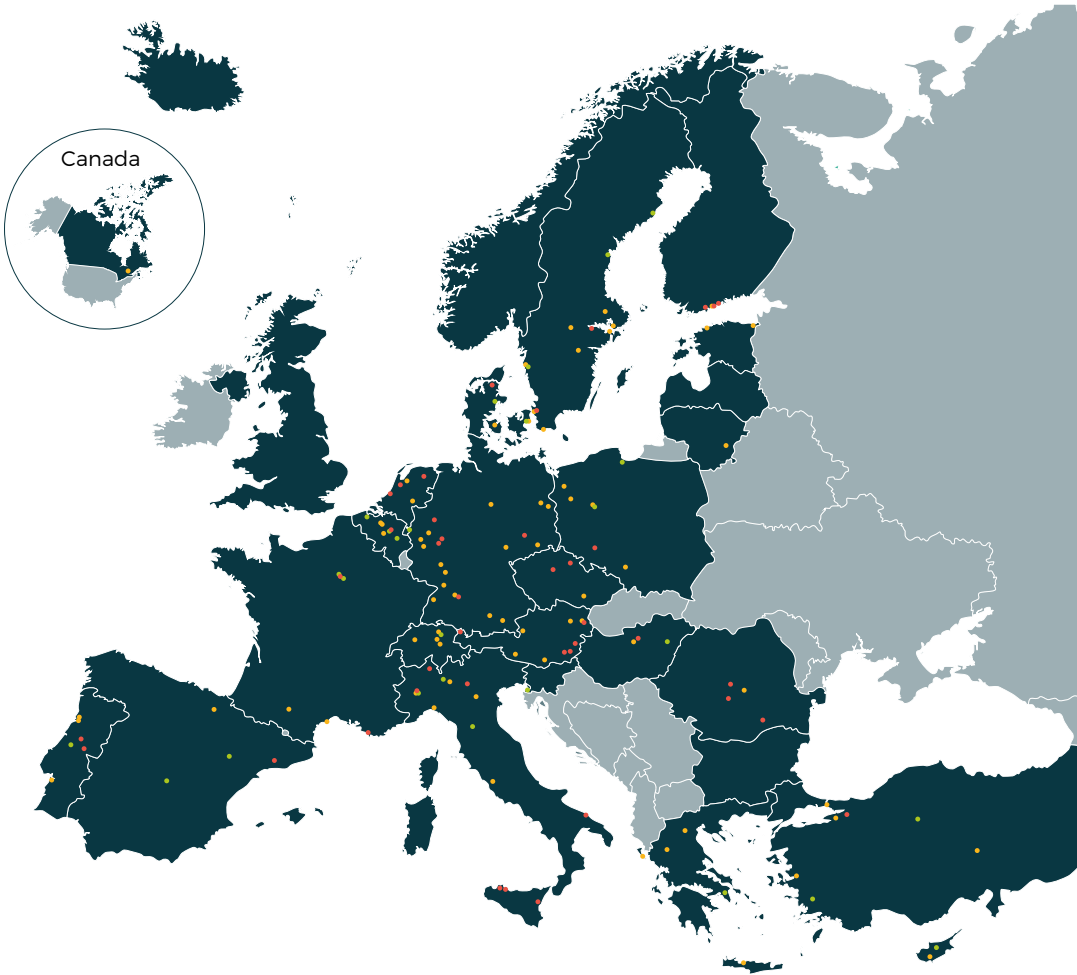
Project partners in each Transition Pathway



Cities represented in projects

Over 130 project partners are urban government authorities (cities, municipalities or entities providing key urban services).

● 15mC projects ● CUE projects ● PED projects



15-minute City projects

Almere	Göteborg	Odense
Antwerpen	Hannover	Offenburg
Arnhem	Helsingborg	Örebro
Augsburg	Helsingin	Porto
Berlin	Ioannina	Poznań
Bern	Istanbul	Rethymno
Borgerhout	Izmir	Roma
Brasov	Järfälla	Salzburg
Brussels	Karlsruhe	Sète
Budapest	Katowice	St. Pölten
Bursa	Kayseri	Stuttgart
Bülach	Klagenfurt	Szczecin
Collegno	Kozani	Tallinn
Cologne	Lienz	Thalwil
Copenhagen	Limassol	Toulouse
Dortmund	Linköping	Trelleborg
Dresden	Lisbon	Uppsala
Düsseldorf	Mannheim	Vilnius
Ekerö	Matosinhos	Vitoria Gasteiz
Erfurt	Milano	Wien
Fürstenwalde/Spree	Modena	Wiesbaden
Genova	Montréal	Židlochovice
Glyfada	Munich	Zurich
Gorzów Wlkp.	Narva	

CUE projects

Ankara	Heerlen	Rho
Aarhus	Copenhagen	Saint-Ouen-Sur-Seine
Bruges	Lefkosia	Sundsvall
Chalandri	Leuven	Torino
Coimbra	Madrid	Umeå
Debrecen	Muğla	Verviers
Florence	Paris	Wädenswil
Gdansk	Piran	Zaragoza
Gothenburg	Poznań	

PED projects

Aalborg	Gleisdorf	Omegna
Alba Iulia	Graz	Otzberg
Amstelveen	Groningen	Palermo
Bari	Hatzfeld (Eder)	Pinkafeld
Battenberg (Eder)	Helsingborg	Prague
Bobigny	Helsinki	Sakarya
Bregenz	Hradec Kralove	Terrassa
Buburesti	Leipzig	The Hague
Budapest	Leuven	Torino
Budaörs	Manteigas	Vantaa
Cluj Napoca	Marseille	Verona
Eskilstuna	Mascalucia	Wien
Espoo	Monreale	Wroclaw
Fundao	Münster	

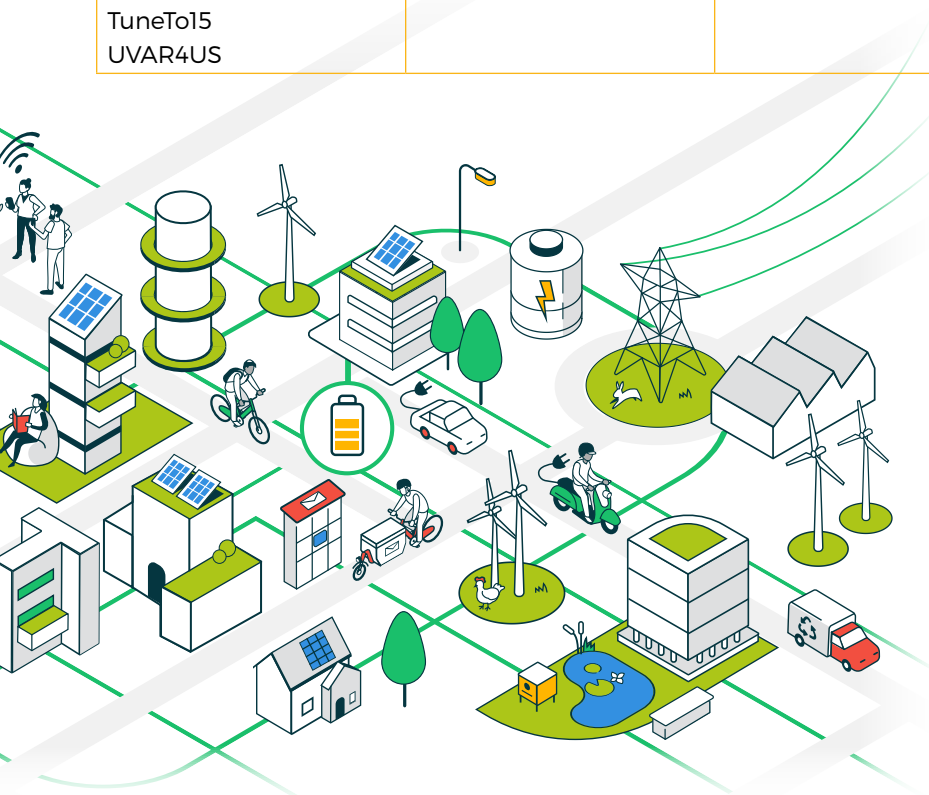
15-minute City

The 15-minute City Transition Pathway (15mC TP) addresses challenges of urban mobility, logistics, public space and proximity-based policies to promote implementation of climate neutral, resilient neighbourhoods for all. It draws on R&I projects to showcase a diverse mosaic of approaches that drive mobility transitions. The 15mC TP aims to enable analysis, development and testing of ideas, tools and innovations for 15-minute cities within co-creative and transdisciplinary settings.



20 projects were awarded funding in the 15mC TP. Since urban transition issues are intrinsically interconnected, a project may address one or several topics from below, and in some cases topics from another TP.

Integrated policies and evidence to reduce car-dependency	Mobility and planning policies for proximity-oriented developments	Empower people for urban mobility transitions
CoCoNet MobinFact PERSEUS POLICYMIX4MOBILITY POTUS PROMISE Share4Equity SMART-AGE SmartUrbanity SSWC TuneTo15 UVAR4US	AGE-15 COLINE HAT MARLENE PROWD	CONIFER Silver ways UNLOCK15



Integrated policies and evidence to reduce car-dependency





CoCoNet

Co-creative Cohabitation Network

CoCoNet proposes a novel approach to urban transformation fostering integrated thinking across mobility, urban climate, sound and biodiversity aiming to create a spatially just, resilient and liveable city. CoCoNet focuses on the district level and concentrates on combining mobility measures with nature-based solutions (NBS). The integrated co-creative processes will involve the city administration, local initiatives and urban design students. CoCoNet will go beyond current urban sustainability approaches by providing a planning methodology that can be directly applied in the transition of urban neighbourhoods giving valuable support to policy and decision makers. The project will also go beyond existing biodiversity studies by making socio-ecological aspects and the cohabitation between humans and other organisms a central point in the urban planning process.

Project coordinator
TU Wien

Funded project partners
ETH Zürich, TU München,
verkehrsplanung GmbH

Other project partners
City of Erfurt - Civil Engineering and Transport,
City of Munich - Green Space Planning, City Of Vienna - Environmental Department (MA22) and Urban Development and Urban Planning (MA18), City Of Zurich - Office of Geomatics + Surveying, umverkehr Zürich, Verein Lokale Agenda 21 Vienna, Verein Seebahn-Park Zurich

Participating countries
Austria, Germany, Switzerland

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MobInFact

Understanding, communicating and changing travel behaviour in the 15-minute City context

MobInFact focuses on the key factors influencing mobility since urban- and transport planning measures should be implemented based on their impact towards climate neutral mobility. To support decision makers effectively, the project is to produce a toolbox for the estimation of a neighbourhood's residents' mobility key values (e.g. modal split and traffic performance). The toolbox will help to understand and quantify the effects of urban and transport planning measures on travel behaviour, but also the liveability of cities, climate adaptation and emissions. Scientific outcomes of the project will be methodologies for the operationalisation of a neighbourhood's characteristics into 15mC-indices and the calculation of modal split that allows to assess travelled distances with much less effort than with a traditional transport model.

Project coordinator

Karlsruhe University
of Applied Sciences

Funded project partners

Eastern Switzerland
University of Applied Sciences
(OST), TU Wien

Other Project partners

Aalborg Universitet, City of Helsinki, Gemeinde Thalwil, Hochschwarzwald Tourismus GmbH, Landeshauptstadt Stuttgart, Magistrat der Landeshauptstadt Klagenfurt, Nagpur, Seoul National University, Stadt Bern, Stadt Bülach, Stadt Dortmund, Stadt Karlsruhe, Stadt Offenburg, Sungkyunkwan University, University of Waterloo, Visvesvaraya National Institute Of Technology, Wien 3420 Aspern Development Ag

Participating countries

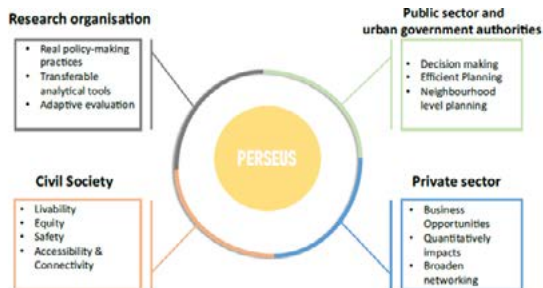
Austria, Canada, Denmark, Finland, Germany, India, Republic of Korea, Switzerland

Contact person

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PERSEUS

A Map-based Tool for Effective and Equitable 15mC Policy Synthesis



PERSEUS

A Map-based Tool for Effective and Equitable 15mC Policy Synthesis

Achieving the vision of the 15mC requires a wide range of new tools, given the long-entrenched norms of the past. The proposed research extends the team's modelling and data expertise to develop a framework responsive indicators tool, to rapidly visualise the potentiality of achieving the 15mC embedding socio-demographics, network characteristics and policy needs. Specifically, an indicator approach is proposed to evaluate accessibility, environmental, economic and equity impacts of car restriction and mobility measures. An interactive decision support tool will be developed to translate the technical information into user-friendly insights, thereby enhancing stakeholder and citizen engagement in the democratised decision-making process. Pilot studies are planned with partner cities to collect multiple iterations of stakeholder feedback through an iterative co-creation process.

Project coordinator

Panepistimio Aigaiou

Funded project partners

Dimos Athinaion
Epicheirisi Michanografisis,
Linköpings universitet,
Research Studios Austria
Forschungsgesellschaft MbH,
Tbw Research Gesmbh,
Technische Universität
Dresden, Technische
Universität Wien, UIV,
Urban Innovation
Vienna GmbH

Other Project partners

Amt der Salzburger
Landesregierung, Dimos
Chiou, Järfalla kommun,
Landeshauptstadt Dresden,
Linköpings Kommun,
Municipality of St. Pölten,
Nvidia Corp, Stadtgemeinde
Salzburg, Tengbomgruppen
AB, Trafikverket, VTI,
Statens väg- och
transportforskningsinstitut

Participating countries

Austria, Germany,
Greece, Sweden

Contact person

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POLICYMIX4 MOBILITY

Policy mixes for urban mobility transitions: Diffusing sustainable mobility options

Car dependency is one of the greatest challenges facing cities. Conflicts over public space allocation for mobility have intensified, pointing to the need to better govern urban mobility transitions. POLICYMIX4MOBILITY aims to create an inter- and transdisciplinary understanding of policy mixes and their effects. The project combines qualitative (case studies), quantitative (modelling) and transdisciplinary (urban labs, forum) methodological approaches. Working with city administrations, the project co-creates a toolbox to foster institutional, procedural, and social innovations as well as political strategies to foster integrative and transformative policy mixes in order to make cities more socially just and moving towards climate neutrality.

Project coordinator

Institut für ökologische
Wirtschaftsforschung (IÖW)

Funded project partners

Aalborg Universitet, Limassol
municipality, MaasLab,
Odense Kommune, TRT
Trasporti E Territorio Srl, Zona
Ovest di Torino SRL

Other project partners

Comune Di Collegno,
Stadtverwaltung
Fürstenwalde/Spree,
Verkehrsclub Deutschland
e.V. - VCD

Participating countries

Cyprus, Denmark,
Germany, Italy

Contact person

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POTUS

Understanding Potentials of the Urban Freight Sector

As the 15mC concept includes the relocation of basic services to urban neighbourhoods this will include changes in freight traffic. But how and where freight traffic will rise, is currently largely unknown, which hinders potential improvements in lowering its negative impacts. To address this, POTUS involves relevant stakeholders to address data gaps, standardise survey methods and collect and model urban freight data. The learnings are transferred into new models, planning recommendations and an urban freight survey handbook. This joint approach allows for a transferability of urban freight tools and knowledge from small-sized cities to metropolitan European regions, acting as a basis for evidence-based planning of holistic 15-minute neighbourhoods.

Project coordinator

Bergische Universität
Wuppertal

Funded project partners

Chalmers tekniska högskola,
École nationale des travaux
publics de l'État, IVL
Svenska Miljöinstitutet AB,
Lindholmen Science Park AB,
Technische Universität Wien,
The Gothenburg Region,
Università degli Studi
Roma Tre

Other project partners

Amt für Verkehrsmanagement
Landeshauptstadt Düsseldorf,
Comune Di Modena, Magistrat
der Landeshauptstadt
Klagenfurt, Roma Servizi
Per La Mobilità Srl, Tiefbau-
und Vermessungsamt
der Landeshauptstadt
Wiesbaden, Wien 3420 Aspern
Development Ag, Zeppelin
Rental GmbH

Participating countries

Austria, France, Germany,
Italy, Sweden

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PROMISE

Progressive solutions for reshaping urban mobility

PROMISE aims to shift urban mobility away from car dependency by advancing integrated micro-mobility solutions. The project will develop a Geographic Information System based Micro-Mobility Decision Support Tool and establish living labs across diverse urban settings, serving as dynamic platforms for co-creating, testing, and optimising mobility interventions. PROMISE will deliver actionable insights and robust evidence to support policy-making and urban planning, contributing to the broader goals of enhancing urban mobility and achieving sustainability targets. By actively involving citizens, policymakers, and mobility providers through co-creation methods, the project's solutions are intended to be scalable, context-sensitive, and adaptable to local needs, aiming to reduce reliance on cars, decrease urban congestion, and improve environmental outcomes.

Project coordinator
Dalarna University

Funded project partners

Aalborg Universitet, Agentia Metropolitana Pentru Dezvoltare Durabila Brasov Asociatia, Beia Cercetare Srl, Dfast Dagitim Hizmetleri Ve Lojistik. A.S., DIMOS RETHIMNIS, Modc Networks Ab, Osmangazi Municipality, Sustainability Innocenter Ek Förening, Universität Duisburg-Essen, Uzey Tech Bilisim Arastirma Muhendislik Hizmetleri Sanayi Ve Ticaret Anonim Sirketi

Other project partners

Stadt Köln, Ups Deutschland S.Ä R.L. & Co. Ohg, Wirtschaftsförderung Bochum Wifö GmbH

Participating countries

Denmark, Germany, Greece, Romania, Sweden, Turkey

Contact person

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Share4Equity

Shared mobility services towards equitable and sustainable mobilities

The goal of Share4Equity is to explore the current and potential contribution of shared mobility services in supporting equitable transport and advancing mobility justice within the 15mC concept. The project will analyse the supply and distribution of shared mobility services, user perceptions and experiences, as well as the inclusivity of different forms of sharing. Share4Equity will develop a set of toolboxes combining quantitative and qualitative methods. Drawing on case studies from five countries, the project aims to develop a justice-oriented toolkit consisting of guidelines for evaluating mobility policies and practices to further equitable and sustainable shared mobility services within the 15mC concept.

Project coordinator

ILS Research gGmbH

Funded project partners

Adam Mickiewicz University,
EGTC Polytechnique Montréal,
Interregional Alliance For
The Rhine-Alpine Corridor,
McGill University, Politecnico
di Milano, Region Uppsala,
University of Gävle

Other project partners

BIXI-Montreal, Bolt Services
PI, Communauto, Connected
Mobility Düsseldorf GmbH,
Coride Sweden AB, Genoa
Car Sharing Srl, LocoMotion,
Metropolia GZM, Metropolia
Poznań, Municipality of
Genoa, Municipality of
Montreal, Nextbike Polska S.A.,
Uppsalahem AB, Vulog

Participating countries

Canada, Germany, Italy,
Poland, Sweden

Contact person

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SMART-AGE

Sustainable Mobility and Accessibility in Aging Urban Environments

SMART-AGE will advance the 15minC TP by achieving a modal shift in urban mobility amongst older adults (65+). Currently, interventions promoting sustainability and active mobility values are insufficiently aligned with the needs of older adults. SMART-AGE guides on inclusive policymaking that secures mobility options for the aged. The interdisciplinary project also gives older adults a voice by understanding the multifaceted factors contributing to their car dependency and conditions that would facilitate their switch to shared mobility. Finally, the project aligns the needs of older adults and service providers, allowing the latter to properly adapt services to the needs of our ageing population.

Project coordinator

Universiteit Antwerpen

Funded project partners

Artesis Plantijn Hogeschool Antwerpen, Odisee, Politecnico Di Milano, Uniwersytet Szczeciński

Other project partners

Auser Insieme Di Milano, Azienda Mobilita E Trasporti Spa, Beheersmaatschappij Antwerpen Mobiel, Brussels Ouderenplatform, Comune Di Genova, Comune Di Milano, Miasto Gorzów Wielkopolski, Mpact, Service Public Regional De Bruxelles, Stad Antwerpen, Stad Antwerpen - District Borgerhout, Towarzystwo Wspierania Inicjatyw Kulturalno-Społecznych "Twiks", Università Degli Studi Di Genova, Urząd Miasta Szczecin, Vlaamse Ouderenraad Vzw, Zarząd Drog I Transportu Miejskiego W Szczecinie

Participating countries

Belgium, Italy, Poland

SmartUrbanity

Advancing 15-Minute Cities through Collaborative and Smart Urban Solutions

SmartUrbanity aims to revolutionise urban planning through a citizen-centric digital framework. The project seeks to dismantle barriers by integrating citizens into the planning process. The proposed approach advances beyond current models with granular, real-time data. SmartUrbanity aims to develop a citizen engagement app for gathering data and fostering community engagement as well as an accessibility platform for sharing data-driven insights and building a vision for sustainable living. The project will further develop a decision support system platform providing data-driven insights for informed, collaborative policymaking and utilise gamification strategies to boost citizen participation. With pilot testing in five cities, SmartUrbanity advocates for a sustainable, community-focused future.

Project coordinator

Universita Degli Studi
Di Roma La Sapienza

Funded project partners

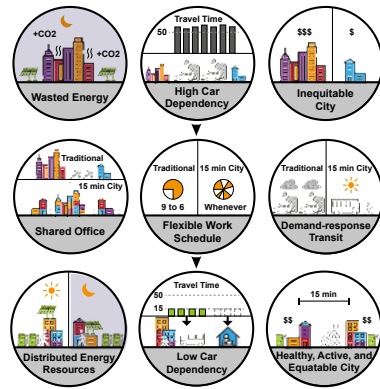
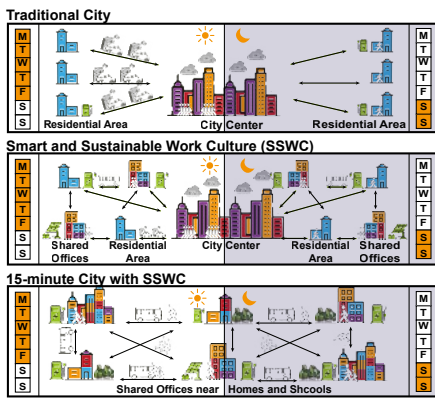
Ctlup Srl, Ecole Nationale
Des Travaux Publics De
L'Etat, Ege University,
Karlsruher Institut Für
Technologie, Movesion
S.R.L., Szamitastechnikai Es
Automatizalasi Kutatointezet,
Zurcher Hochschule Fur
Angewandte Wissenschaften

Other project partners

Consulta Cittadina Sicurezza
Stradale Mobilità Dolce
E Sostenibilità, Ecole
Nationale Superieure D'Arts
Et Metiers, Izmir Buyuksehir
Belediyesi, Karlsruher
Verkehrsverbund GmbH,
Metropole De Lyon, Municipio
Roma Xii, Postauto Ag, Stadt
Karlsruhe

Participating countries

France, Germany, Hungary,
Italy, Switzerland, Turkey



SSWC

Smart and Sustainable Work Culture

This project aims to promote a sustainable, equitable, and healthy 15mC by developing a Smart and Sustainable Work Culture (SSWC). It focuses on 1) reducing car dependency by hybridising work styles, sharing office spaces near housing and schools, arranging demand-response shuttles and promoting active transportation modes, and 2) reducing energy consumption and greenhouse gas emissions by controlling the hybrid work schedule, shuttle routing, and shared building energy. Design strategies for SSWC will be developed and tested based on simulation at target cities like Athens, Glyfada, Gerbrunn, and Sejong, with sensitivity analysis and stakeholder surveys.

Project coordinator
Konkuk University

Funded project partners
Dimos Athinaion Epicheirisi
Michanografisis, Glyfada Municipality, Julius Maximilians Universität Würzburg, Korea Advanced Institute of Science and Technology, National Technical University of Athens

Other project partners
NA

Participating countries
Germany, Greece, Republic of Korea

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TuneTo15

Adapting the 15-minute City concept to functional urban areas in the context of socio-spatial disparities and transition conflict

The 15mC concept has been criticised for disproportionately benefitting urban residents while ignoring the needs of those living in the periphery. To overcome these conflicts, cities need to find ways to expand the concept, while making it more socially inclusive. To address this knowledge gap, TuneTo15 combines quantitative accessibility analysis with qualitative analysis of social conflict dimensions in four international case studies. The goals of TuneTo15 are to identify the limits and potentials of the 15mC concept and understand the impacts of the concept on different groups. By engaging municipal stakeholders in co-creative processes, the project will develop implementation and conflict-resolution guidelines.

Project coordinator

Deutsches Institut für
Urbanistik

Funded project partners

Laut - Landschaftsarchitektur
und urbane Transformation
OG, Stadt Wien -
Stadtentwicklung und
Stadtplanung, S&W Stadt-
und Regionalforschung -
Spiekermann Schwarze GbR,
Technische Universität Wien,
Znanstvenoraziskovalni center
Slovenske akademije znanosti
in umetnosti

Other project partners

Area Metropolitana
de Barcelona, Berlin
- Senatsverwaltung
für Mobilität, Verkehr,
Klimaschutz und Umwelt,
Landeshauptstadt Hannover,
Region Hannover, Salzburger
Institut für Raumordnung und
Wohnen GmbH (SIR), Verein
Fairkehrswende Wien

Participating countries

Austria, Germany,
Slovenia, Spain

Contact person

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UVAR4US

Using Urban Vehicle Access Regulations for Reshaping Urban Space

UVAR4US examines how urban vehicle access regulations (UVAR) contribute to net-zero, liveable, multi-functional urban spaces. Specifically, UVAR4US researches how UVARs affect mobility as well as the use of space. The project aims to produce a toolkit including an open knowledge base that describes existing UVAR solutions in urban contexts, a participation framework that describes the participatory processes behind successful UVAR-15mC implementation, and evidence-based choice support methods to identify relevant building blocks for neighbourhoods for a local context and preference. UVAR4US is supported by four Living Lab cities that all have planned UVAR implementations. Their activities, input and feedback will be used to co-create and validate the project results.

Project coordinator

RISE Research Institutes
of Sweden AB

Funded project partners

Cluster Viooikonomias
Kai Perivallontos Dytikis
Makedonias, Helsingborgs
kommun, Living Prospects
Ypiresies Anaptyxis &
Perivallontos Etaireia
Periorismenis Efthynis,
Rupprecht Consult-forschung
& Beratung GmbH, Trt
Trasporti E Territorio Srl,
Universiteit Gent

Other project partners

Centro De Estudios
Ambientales, Dimos Kozanis,
Municipality of Ioannina, Polis

Participating countries

Belgium, Germany, Greece,
Italy, Spain, Sweden

Mobility and planning policies for proximity-oriented developments



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AGE-15

Pathways towards Age-friendly Neighbourhoods

AGE-15 tackles urban ageing challenges such as unwanted isolation, accessibility or safety concerns. The project focuses on understanding the role of age-friendly neighbourhoods in relation to the 15mC concept. The project will carry out applied research on the mobility and accessibility in neighbourhoods in Sweden, the Netherlands, Portugal and Turkey. AGE-15 aims to co-create novel approaches for 15-minutes and age-friendly neighbourhoods focusing on countries with fast respectively slowly ageing populations. With a strong focus on transnational and interdisciplinary exchange, the project will produce publicly available planning guidelines on 15-minute and age-friendly neighbourhoods and recommendations to policy makers.

Project coordinator
Lunds universitet

Funded project partners
Ist-Id Associacao Do
Instituto Superior Tecnico
Para A Investigacao E
O Desenvolvimento,
Mimar Sinan Fine Arts
University, Stichting
Hoger Beroepsonderwijs
Haaglanden

Other project partners
Academy On Age-Friendly
Environments in Europe Bv,
Bimtas Bogazici Peyzaj Insaat
Musavirlık Teknik Hizmetler
Sanayi Ticaret Anonim Sirketi,
Förvaltnings AB Framtiden,
Gebalis - Gestão Do
Arrendamento Da Habitação
Municipal De Lisboa, Em, Sa,
Göteborgs kommun, Istanbul
Metropolitan Municipality,
Kadikoy Belediyesi,
Kollektivhus Nu, Scml, Sokak
Bizim Dernegi, Spf Seniorerna
Göteborg, Toyo University,
University Of New Brunswick

Participating countries
Canada, Japan, Netherlands,
Portugal, Sweden, Turkey



COLINE

Complex Links of Neighbourhoods

Our understanding of what makes an attractive neighbourhood remains limited. The goal of COLINE is to advance a data driven view of cities using approaches of complex networks and generative AI. COLINE will map the amenity composition of neighbourhoods using individual mobility traces which will allow diagnosing the completeness of amenities around home and work, accessibility by multimodal mobility and experienced segregation of neighbourhoods, and their appeal and resilience at a fine spatial resolution. The research will be conducted in collaboration with the cities of Budapest, Copenhagen, Toulouse, Turin, and Vienna and will include the development of datasets and visualisations designed to power public engagement and open data efforts.

Project coordinator

HUN-REN Centre for
Economic and Regional
Studies

Funded project partners

Central European University,
Corvinus University of
Budapest, ISI Foundation,
Technical University of
Denmark, Toulouse School
of Economics

Other project partners

5T Srl, Bkk Budapesti
Kozlekedesi Kozpont
Zartkoruen Mukodo
Reszvenytarsasag, Budapest
Fovaros Onkormanyzata,
Kobenhavns Kommune,
Magyar Telekom Tavkozlesi
Nyilvanosan Mukodo
Reszvenytarsasag, Toretei Srl,
Toulouse Metropole,
Uiv Urban Innovation
Vienna GmbH

Participating countries

Austria, Denmark, France,
Hungary, Italy

Contact person

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HAT

Hyping Agriculture and Transit (HAT) in 15-minute Cities

Much of the ongoing research on the 15-minute City (15mC) deals with Proximity Oriented Developments (PODs). The HAT project will explore the potentials of urban agriculture, urban designs and green city visions combined with Transit-Oriented Development (TOD). The HAT project will link academic research with the business sector to catalyse urban transitions with top-bottom green 15mC city planning policy and bottom-up food-related placemaking initiatives. It will generate new empirical evidence and design knowledge on urban agriculture and TODs in a context of 15mC and develop business models for green PODs seeking to decrease the need to import food and fuel, as well as the dependence on the automobile.

Project coordinator

Stockholms universitet

Funded project partners

Concordia University,
Green&Growing AB, Guidance
to Zero AB, Iscte - Instituto
Universitário De Lisboa, IVL
Svenska Miljöinstitutet AB,
Kungliga Tekniska Högskolan,
Tallinna Tehnikaülikool,
Vegger Sverige AB

Other project partners

Camara Municipal De Lisboa,
Communauté Métropolitaine
De Montréal, Ekerö kommun,
Mainor As, Mainor Ülemiste
As, OÜ Click & Grow, Tallinna
Linn, The University of Western
Ontario, Vivre En Ville

Participating countries

Canada, Estonia,
Portugal, Sweden



MARLENE

Mobility, Accessibility, and Rhythms of Everyday Life in Towns and Neighbourhoods

MARLENE investigates X-minute City (XmC) concepts and explores their practical applicability in small and medium-sized towns. Adopting a co-creation approach across selected cases in the Czech Republic, Estonia and Sweden while focusing on older adults, MARLENE contributes to advancing the state of the art on inclusive and sustainable approaches in proximity-oriented and age-friendly planning. The goal of the project is to deepen the knowledge of everyday mobility and accessibility strategies. As outputs, the project will co-develop possible future accessibility and proximity scenarios, including conceptual and practical challenges and possible solutions, as well as an “Inclusive XmC” toolkit containing planning recommendations for inclusive XmC developments.

Project coordinator

VTI, Statens väg- och transportforskningsinstitut

Funded project partners

Lunds universitet, Masarykova univerzita, Tallinna Ülikool

Other project partners

Independent Living Institute, KORDIS JMK, Město Židlochovice, Narva Linnavalitsuse Arhitektuuri-Ja Linnaplaneerimise Amet, PRO Trelleborg, Trelleborgs kommun

Participating countries

Czech Republic, Estonia, Sweden

Contact person

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PROWD

Proximity without density

PROWD has the purpose of re-conceptualising the 15mC through “non-standardised” solutions in Low-Density Urban Areas (LDUA) of metropolitan contexts. PROWD proposes a change of perspective, with a focus on niche initiatives. Starting from a critical review, PROWD tests transition pathways in the outskirts of three capital cities, by organising local co-design workshops with resident and stakeholders, aimed at the collective interpretation of ongoing and potential initiatives providing innovation in public services, proximity trade and mobility. This emerging strategic knowledge, including self-organised citizen interventions, urban policies, and social entrepreneurship, will be the main content of “collaborative pacts” between local administrations and the stakeholders engaged in the co-design.

Project coordinator

Universita Degli Studi
Roma Tre

Funded project partners

Asociatia De Dezvoltare
Intercomunitara Zona
Metropolitana Bucuresti,
Asociatia Urban 2020,
Citta' Metropolitana Di
Roma Capitale, Instituto De
Geografia E Ordenamento
Do Territorio Da Universidade
Delisboa, Lietuvos
Socialiniu Mokslu Centras,
Universitatea Din Bucuresti,
Varoskutatas (Metropolitan
Researchinstitute) Kft,
Vilniaus Miesto Savivaldybes
Administracija

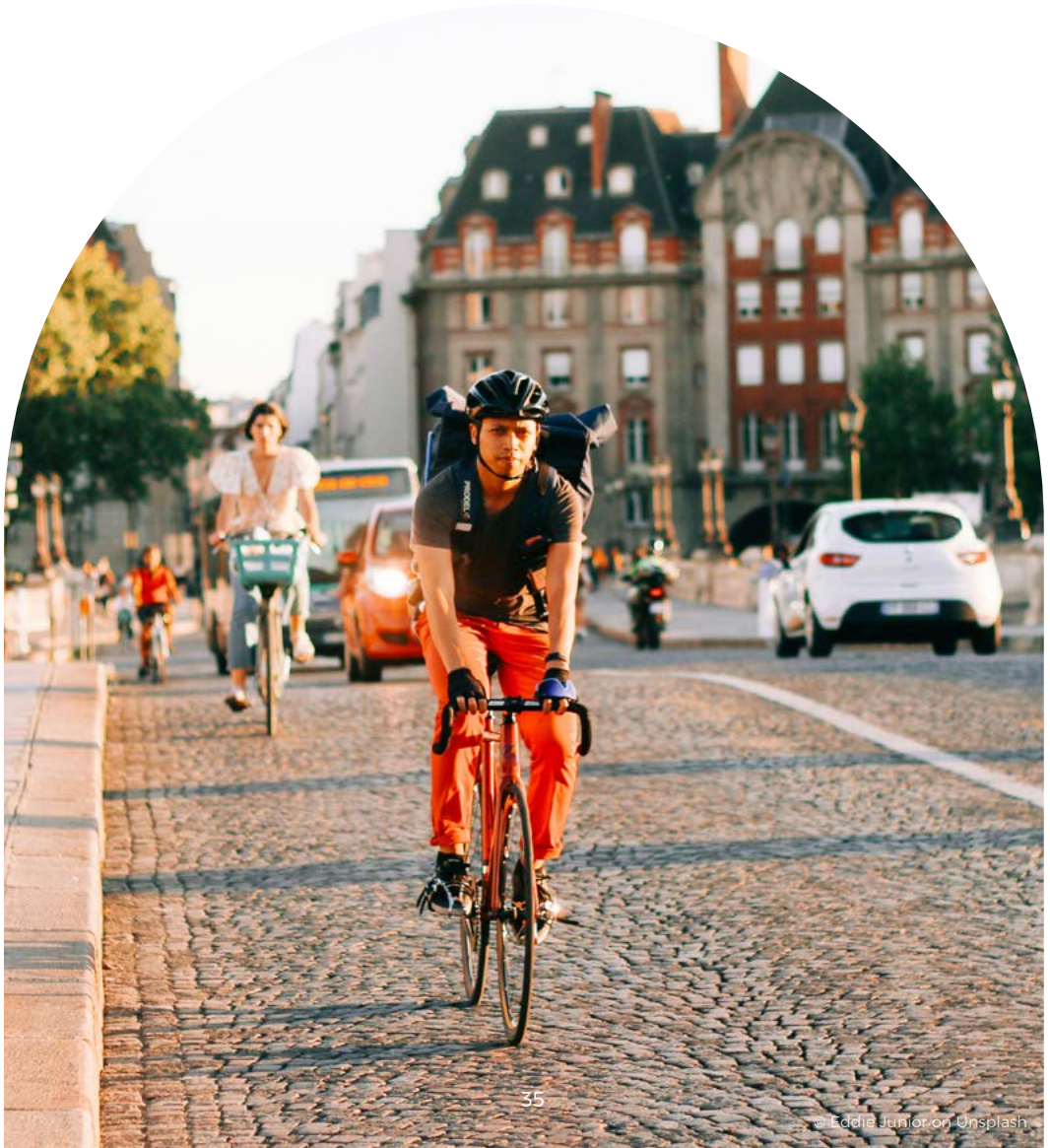
Other project partners

Comissao De Coordenacao
E Desenvolvimento Regional
De Lisboa E Vale Do Tejo

Participating countries

Hungary, Italy, Lithuania,
Portugal, Romania

Empower people for urban mobility transitions



CONIFER

Co-imagining needs-based mobility visions for the proximity city

To ensure that future 15mC strategies are successful, a needs-based participatory approach is necessary accounting for those often left out of designing the places they use most. The CONIFER project will develop a foresight methodology to explore 15mC futures that are based on the needs of children, young people, their caregivers and teachers. It will assess proximity across diverse mobility cultures through a survey and labs. CONIFER will develop multiple scenarios and collective visions for the proximity city. The visions will be evaluated, consolidated, and consistent policy pathways and roadmaps will be drawn up. The methodology will be translated into blueprints, a 15mC branding package and policy recommendations.

Project coordinator

Vrije Universiteit Brussel

Funded project partners:

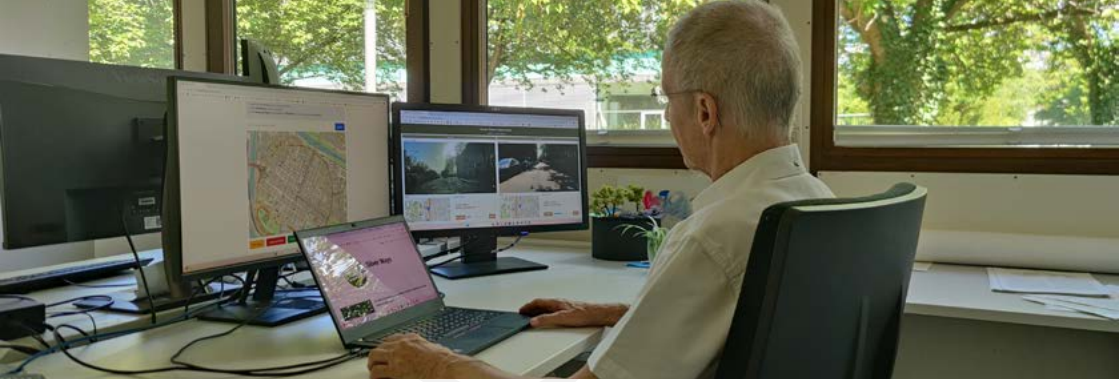
Collectiveup, Institute For Art And Innovation E.V., Instytut Geografii I Przestrzennego Zagospodarowania Im Stanisława Leszczyckiego Polskiej Akademii Nauk, International Federation Of Pedestrians - Research, Kti Magyar Kozlekedestudományi Es Logisztikai Intezet Nonprofit Korlatolt Felelossegu Tarsasag, Moholy-Nagy Muveszeti Egyetem, Municipio De Matosinhos, Universidade De Aveiro, Uniwersytet Mikolaja Kopernika W Toruniu, Wuppertal Institut Für Klima, Umwelt, Energie gGmbH

Other project partners:

Bataljong Vzw, Bkk Budapesti Kozlekedesi Kozpont Zartkoruen Mukodo Reszvenytarsasag, Carfree Cities Alliance, Ev Liga De Associações Pela Cidadania Rodoviária, Mobilidade Segura E Sustentável, Fundacja Pedestrian Space, International Federation Of Pedestrians, Kind En Samenleving Vzw, Mobil 21 Vzw, Service Public Regional De Bruxelles, Stad Kortrijk, Stadt Köln, Toekomstatelierdelavenir, Torun Psychology Foundation, Wojewodzki Osrodek Animacji Kultury

Participating countries

Belgium, Germany, Hungary, Poland, Portugal, Spain, Switzerland



Silver Ways

Enhancing Mobility for the Elderly

To encourage the urban mobility of seniors, Silver Ways introduces a novel approach that integrates the development of an age-friendly 15-minute neighbourhood index with a walkable routing system. Unlike conventional shortest path methods, this approach prioritises routes that align with specific needs of older adults. Older adults will test the proposed routes during guided city walks. Ultimately, the Silver 15-Minute Neighbourhood Index will be developed to evaluate the accessibility of essential amenities like healthcare and shopping along these age-friendly routes. In partnership with municipal stakeholders, this index and the walkable routes will be used to co-design urban planning solutions that improve older adults' accessibility and enhance their quality of life.

Project coordinator

Ruprecht-Karls-Universität
Heidelberg

Funded project partners

Abdullah Gul University,
HeigitGmbH, Uppsala
universitet

Other project partners:

Kayseri Buyuksehir
Belediyesi, Stadt Mannheim,
Uppsala kommun

Participating countries

Germany, Sweden, Turkey

Contact person

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UNLOCK15

Empowering people for transitions to UNLOCK the 15-minute City

The UNLOCK15 project aims to empower citizens and local authorities to unlock barriers that hinder the transition to 15-minute Cities, through stakeholder participation and institutional learning. UNLOCK15 will use five learning living labs (LLL) in European cities. The project will conduct a literature review to identify pathways to unlock automobile path dependencies. It will further apply knowledge to each LLL by understanding barriers and developing tools to raise awareness. The outcome will include learnings from the LLLs, plans and policy recommendations will be communicated in webinars and videos. UNLOCK15 will serve as a framework for empowering citizens and incorporating their needs into the development of 15-minute cities.

Project coordinator

Technische Universität
München

Funded project partners:

Inst Administration
Entreprises Paris, Mobyome
Kg, Stichting Christelijke
Hogeschool Windesheim,
Universidade Do Porto,
Universität Für Bodenkultur
Wien

Other project partners:

Campo Aberto - Associação
De Defesa Do Ambiente,
Gemeente Almere, Gemeente
Arnhem, Humankind Bv, Mei
Meidling, Mubi Associacao
Pela Mobilidade Urbana
Em Bicicleta, Municipio Do
Porto, O.N.E.16 Ottakringer
Nachbar*Innenschafts
Engagement, Örebro
kommun, Stadt Augsburg,
Stichting Openbare
Bibliotheek Almere, Tobias
Reisenbichler, Uiv Urban
Innovation Vienna GmbH,
Universiteit Van Amsterdam,
Verein Fairkehrswende Wien,
Ville De Sete

Participating countries:

Austria, France, Germany,
Netherlands, Portugal, Sweden

Contact person:

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Circular Urban Economies

The Circular Urban Economies Transition Pathway (CUE TP) aims to foster urban places, communities and neighbourhoods that are sustained by circular resource flows and enhance the wellbeing of their inhabitants and ecosystems. It encourages urban planning and design characterised by regenerative urbanism, favouring the combination of circular principles, urban greening, and equal access to urban spaces and resources.



10 projects were awarded funding in the CUE TP. Since urban transition issues are intrinsically interconnected, a project may address one or several topics from below, and in some cases topics from another TP.

The built environment as a resource base	Knowledge and optimisation of resources flows between urban and rural areas	Planning and designing urban areas with nature: towards a regenerative urbanism
aRTes CABE CirCoCreation DECUB Urban-CoLLaR		B_Green EDITUA MAINCODE NATURGO Urban ElementTREE



The built environment as a resource base



aRTes

Active RoofTops South Europe

Rooftop utilisation in cities can serve as insulative elements and provide green, open areas. However, rooftops are an untapped resource for urban sustainability in many Southern European cities. The ARtes project aims to transform these spaces into productive green areas that enhance urban life and foster economic opportunities in sectors like urban agriculture, renewable energy, and recreational businesses. The project team will develop innovative design and engineering solutions to overcome barriers to rooftop adaptation. A key expected outcome is the creation of multifunctional, accessible rooftop environments that contribute to reducing carbon emissions and promoting biodiversity while aligning with the European Renovation Wave and New European Bauhaus.

Project coordinator

Universidad Politécnica de Madrid

Funded project partners

Algowatt Spa, Blok garden Oy, Ecometro Mediciones SL, P. Karamoschos - K.Liodaki And Associates, R2M Solution Srl, Roofscapes Studio, Universidade De Aveiro, University Of Cyprus, Urbanismo Visual S.L.

Other project partners

Ayuntamiento De Madrid, Centre d Etudes Et D'Expertise Sur Les Risques L'Environnement La Mobilité Et L'Amenagement, Comunidad De Madrid, Fundación Emotiva, Ile De France, Ville De Paris

Participating countries

Cyprus, Finland, France, Greece, Italy, Portugal, Spain

CABE

Circular Approaches for the Built Environment

CABE addresses the challenge of construction waste in urban areas by developing innovative infrastructures for urban resource sharing and circular solutions. The project aims to create a cadastre approach, tracing mechanisms, and a market for reused materials, ultimately reducing environmental impacts in cities. It will deliver digital tools, including an urban building material cadastre and a secondary material information platform, while also analysing the market effects and social aspects of resource sharing. A key expected result is the reduction of construction materials in landfills, fostering job creation and sustainable urban growth.

Project coordinator

UZürcher Hochschule für Angewandte Wissenschaften (ZHAW)

Funded project partners

Aristotelio Panepistimio Thessalonikis, Burgaski Svoboden Universitet, Dimos Strovolos, Ensensei Muhendislik Danismanlik Limited Sirketi, Hacettepe Universitesi, Innobay Hungary Kft., Kykloikodromio, Rigas Tehniska Universitate, Sgni - Schweizer Gesellschaft Für Nachhaltige Immobilienwirtschaft, Tartu Ulikool, Technologiko Panepistimio Kyprou, Universitatea Politehnica Timisoara (UPT), Uniwersytet Przyrodniczy We Wroclawiu, Werke Wädenswil, Zavod Za Gradbenistvo Slovenije

Other project partners

Ankara Su Ve Kanalizasyon Idaresi Genel Mudurlugu

Participating countries

Bulgaria, Cyprus, Estonia, Greece, Hungary, Latvia, Poland, Romania, Slovenia, Switzerland, Turkey

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CirCoCreation

Closing the gaps between stakeholders for successful and sustainable urban Circular Construction initiatives through Co-creation

CirCoCreation focuses on enhancing stakeholder and citizen engagement in urban circular construction initiatives (UCCI) to scale up the reuse and recycling of construction materials. The project aims to establish and strengthen a circular urban ecosystem by integrating stakeholders like policymakers, industry leaders, and consumers. It will co-develop a theory and change, co-create new metrics to track material flows based on specific information needs and set up co-creative living labs in Leuven and Sundsvall. Expected results include demonstrating the effectiveness of these metrics in operational processes of UCCI and fostering public engagement through artistic workshops and exhibitions.

Project coordinator

Katholieke Universiteit Leuven

Funded project partners

Art & Science International
Institute, Mittuniversitetet,
Universidad Complutense
De Madrid

Other project partners

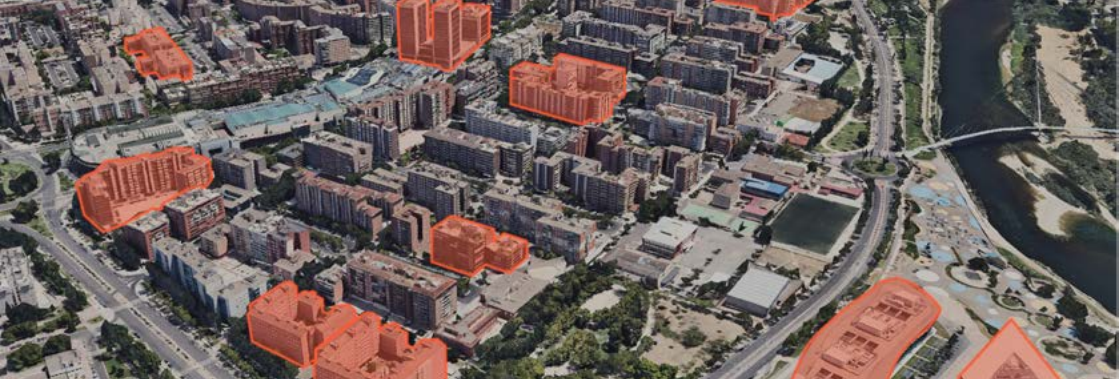
Atelier Circuler Vzw, Flooré
Ab, Re-Board Technology
AB, Stad Leuven, Sundsvalls
kommun

Participating countries

Belgium, France, Spain,
Sweden

Contact person

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DECUB

Decarbonizing Urban Blocks. An integrated approach for circular urban regeneration

DECUB addresses the challenge of sustainable urban development and regeneration in European cities through a focus on the circular economy at the urban block level. The project aims to revitalise urban blocks by integrating strategies such as digital inventories, community engagement, and heritage considerations. By leveraging digital twins at the block level, it will explore varied interventions—ranging from soft renovation to deconstruction—tailored to each block's specific context. An expected result is a comprehensive assessment framework that maximises the reuse and recycling of materials and components, ultimately contributing to decarbonisation and climate resilience in line with EU policies like the European Green Deal.

Project coordinator

Universidad San Jorge

Funded project partners

Geospatiumlab SL, Mines
Paris - PSL, Université de
Liège, Zuyd Hogeschool

Other project partners

Gemeente Heerlen, Sociedad
Municipal Zaragoza
Vivienda SL, SPI - Agence de
développement territorial,
Technische Universiteit Delft,
Ville De Verviers

Participating countries

Belgium, France,
Netherlands, Spain

Contact person

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Urban-CoLLaR

Co-creating Urban Living Labs for Circular Regenerative Neighbourhoods

This project focuses on enhancing regenerative urban renewal through circular solutions at the neighbourhood level. It aims to develop a decision-making instrument to assist municipalities and developers in integrating circularity into urban renewal projects. The approach involves a multi-stakeholder co-creation process, incorporating urban living labs (ULL) to engage key stakeholders. The decision-making instrument is validated through cases in four countries, including residential and non-residential buildings and public spaces, leveraging diverse contexts. The novelty lies in harmonising technical and social research methods towards a comprehensive sustainability assessment. Expected results include improved recirculation of environmental and socio-economic resources, ultimately fostering more sustainable urban environments in various cities.

Project coordinator
Bilkent University

Funded project partners

Çankaya Municipality, Katholieke Universiteit Leuven (KU Leuven), Muğla Metropolitan Municipality, Plusvalue Italy Srl Societa Benefit, Politecnico di Milano (PoliMi), Scoala Nationala de Studii Politice si Administrative (SNSPA), The Hague University of Applied Sciences (THUAS), Uniwersytet Przyrodniczy we Wroclawiu (UPWR)

Other project partners

Comune di Rho, Stad Brugge, Stad Leuven

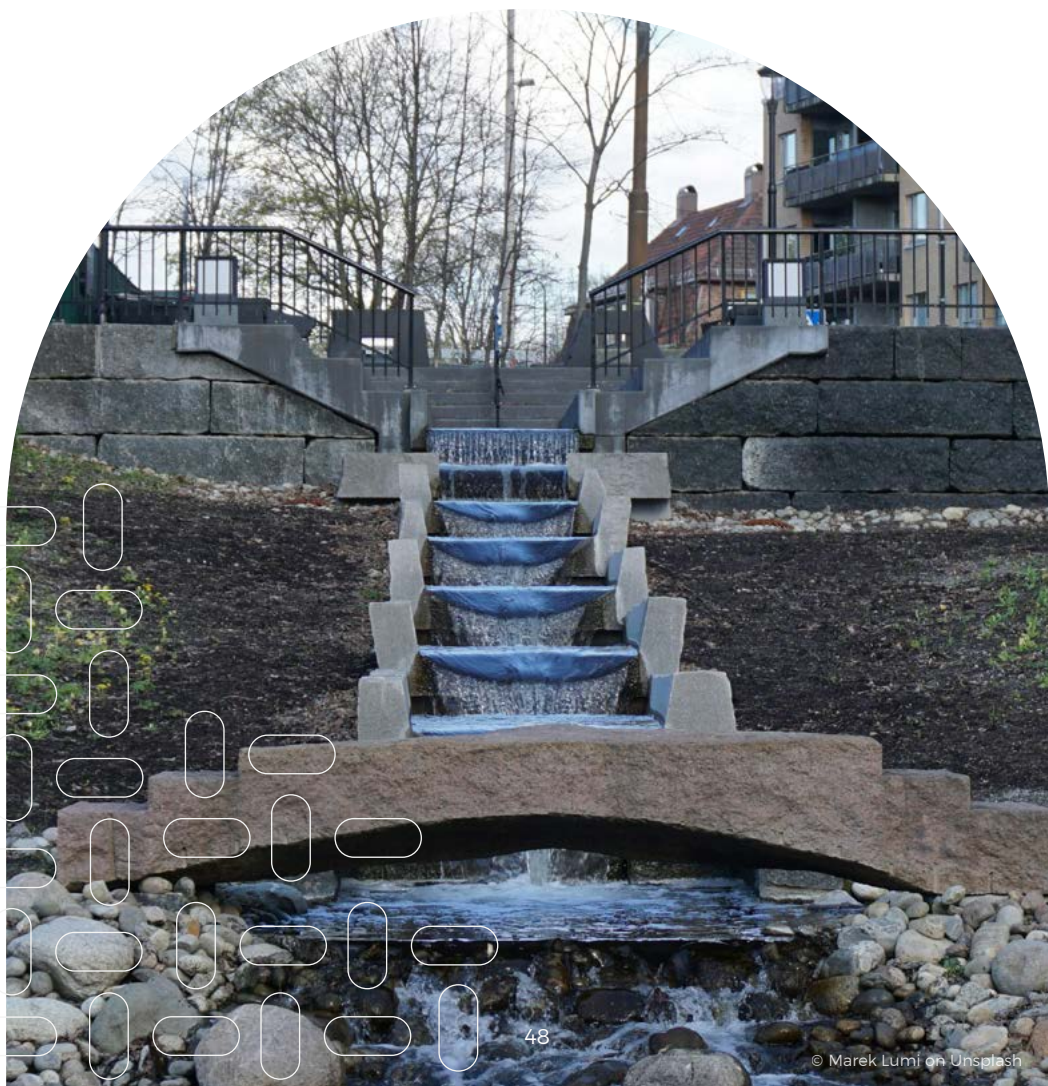
Participating countries

Belgium, Italy, Netherlands, Poland, Romania, Türkiye

Contact person

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Planning and designing urban areas with nature: towards a regenerative urbanism



B_Green

Biodiversity & Green in Mediterranean Historic Cities

B_Green addresses the need for innovative solutions to enhance urban biodiversity in historic cities. The project aims to implement interdisciplinary approaches to combat biodiversity loss and promote health and wellbeing in urban spaces, focusing on four Mediterranean settings. Key deliverables include the establishment of an indicators framework for improving urban biodiversity and the creation of collaborative Living Labs to raise awareness and foster community participation. Through these efforts, B_Green seeks to develop smart Action Plans and a 3D GIS platform for assessing and monitoring intervention outcomes. The project will enable the development of data-driven innovative solutions to be co-developed by means of participatory activities in real-world conditions (Urban Living Labs).

Project coordinator

Universitat Jaume I

Funded project partners

Câmara Municipal
de Coimbra, Itecons -
Instituto de Investigação e
Desenvolvimento Tecnológico
para a Construção Energia
Ambiente e Sustentabilidade,
The Cyprus Institute,
Università degli Studi di
Napoli Federico II

Other project partners

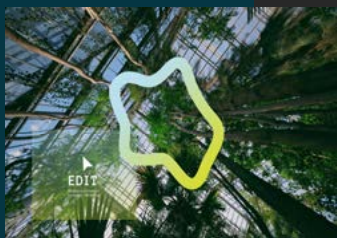
Dimos Strovos, Federación
de Asociaciones de Vecinos
de Valencia, Universidad de
Castilla-La Mancha

Participating countries

Cyprus, Italy, Portugal, Spain

Contact person

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EDITUA

An innovative interactive incubator of socio-spatial change fostering green urban regeneration, employing AI in gain of the public democracy

This research project focuses on transforming vacant urban spaces into ecologically sustainable areas. The primary aim is to develop an innovative tool named EDITUA, which encompasses technological, procedural, and social innovations to enhance placemaking in cities. Emphasising collaboration among stakeholders, the project will utilise a user-friendly platform, EcoUrbanComposer, to facilitate urban acupuncture strategies. Cities involved in this consortium will benefit from tailored green regeneration solutions, with the expected result being the establishment of an Ecological District of Innovation and Technology within Sustainable Innovation Zones.

Project coordinator

Poznań University of Technology

Funded project partners

Faculty of Architecture
Estonian Academy of Arts,
Faculty of Architecture
University of Ljubljana,
University of Thessaly
Department of Architecture

Other project partners

American Academy of
Housing and Communities,
City of Poznań, Dortmund
University of Technology
Faculty of Architecture, Ecole
Nationale Supérieure des Arts
et Métiers, Foundation for
Planetary Intelligence, Global
Urban Development

Participating countries

Estonia, France, Germany,
Greece, Poland, Slovenia,
United States

Contact persons

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MAINCODE

MAINstreaming nature to CO-DEsign urban climate shelters in schoolyards

European cities are increasingly challenged by the impacts of climate change, particularly heat waves. The MAINCODE project aims to transform schoolyards in Turin (Italy) and Halandri (Greece) into Urban Climate Shelters (UCS) as a cooling strategy by employing nature-based solutions based on co-design processes with local communities. MAINCODE envisions schoolyards as a safe and accessible space for everyone, fostering pathways to heat resilient and healthy cities. MAINCODE seeks to deliver a comprehensive methodology for UCS implementation, positioning climate shelters as the “main code” to unlock regenerative urbanism, testing their potential in pilot projects to encourage wider adoption across European cities.

Project coordinator

Politecnico di Torino

Funded project partners

Syddansk Universitet,
Synetairismos Ergazomenon
Commonspace, Torino
Urban Lab

Other project partners

Comune di Torino, Dimos
Chalandriou

Participating countries

Denmark, Greece, Italy

Contact person

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NATURGO

Nature Based Solutions and Urban Governance

The NATURGO project addresses the integration of nature-based solutions (NBS) into urban water governance to enhance city landscapes. It aims to improve understanding of how NBS criteria can be incorporated into strategic frameworks and decision-making processes in partner cities. Through engagement with municipal decision-makers and stakeholders, the project will develop future-oriented water management strategies that include NBS implementation pathways. One expected outcome is the establishment of advanced scenario-building methods that clarify long-term goals and impacts, ultimately fostering collaborative and effective NBS planning and maintenance in urban water systems.

Project coordinator

IVL Svenska Miljöinstitutet AB

Funded project partners

Burst Nonprofit Kft, Danmarks Tekniske Universitet, Københavns Kommune, Physi Solutions Kft., Università Degli Studi Di Firenze, Waterzerv, Znanstveno-Raziskovalno Sredisce Koper

Other project partners

Citta Metropolitana Di Firenze, Debrecen Megyei Jogu Varos Onkormanyzata, Ecologic Institut Gemeinnützige GmbH, Obcina Piran, Umeå kommun

Participating countries

Denmark, Germany, Hungary, Italy, Slovenia, Sweden

Contact person

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Urban ElementTREE

Data-driven approach and management platforms as the basis for the smart development of the urban tree canopy

Urban areas face challenges in tree planting due to limited space, high costs and harsh environmental conditions. The Urban ElementTREE project aims to enhance urban greening practices by improving methods for tree-related environmental monitoring, modelling, and digital surveys. It will establish Urban Living Labs in five European cities to enable comprehensive evidence collection and integration. The project will support practitioners in the management of urban tree canopies by providing digital tools and platforms that offer detailed tree metrics and models, helping to inform evidence-based decisions and optimise urban planning efforts.

Project coordinator

Politechnika Gdanska

Funded project partners

Arkitektskolen i
Aarhus, Dacsystem
Spolka Z Ograniczona
Odpowiedzialnoscia,
Danmarks Tekniske
Universitet, Fundacja oo Get
There, Stiftelsen Fraunhofer-
Chalmers Centrum för
Industrimatematik, Universita
Degli Studi Di Firenze,
Universiteit Antwerpen

Other project partners

Aarhus Kommune,
Beheersmaatschappij
Antwerpen Mobiel, Comune
Di Firenze, Gmina Miasta
Gdanska, Goteborgs
Kommun, Hartill Trädexpert
AB, Metaheritage Srl, Vlaamse
Milieumaatschappij

Participating countries

Belgium, Denmark, Italy,
Poland, Sweden

Contact person

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Positive Energy Districts

The Positive Energy Districts Transition Pathway (PED TP) aims to develop innovative solutions for planning, large-scale implementation, and replication of PEDs across Europe's urban and peri-urban areas. By combining energy efficiency, renewable energy production, and energy flexibility at the local level, PEDs offer and contribute to affordable energy systems, affordable quality housing, and competitive, resilient and inclusive local economies for cities through energy communities, contributing to European goals such as the SET Plan and the EU Mission on Climate-neutral and Smart Cities.



12 projects were awarded funding in the PED TP. Since urban transition issues are intrinsically interconnected, a project may address one or several topics from below, and in some cases topics from another TP.

Energy resilience and energy poverty	Urban regeneration and refurbishment	Enabling systems for local energy transitions: collaboration and sustainable investment
4A4PEDs Co-PED NEEDS Repowered RESPED	EDUPED InterPED PED-JUST Pol4PED REgENERaTE SET-PED	GARDEN MonuPED



Energy resilience and energy poverty



4A4PEDs

Availability, Accessibility, Affordability, Actionability For Positive Energy Districts

In 2022, over 41 million Europeans faced energy poverty, exacerbated by the pandemic and the war in Ukraine. This project aims to enhance energy resilience in cities by developing a framework based on four principles: availability, accessibility, affordability, and activation of a stakeholder alliance. We will apply the 4A approach in living labs located in Amstelveen (NL), Verona (IT), Helsinki Metropolitan Region (FIN), and Battenberg/Hatzfeld (GER). The expected outcome includes tools and guidelines for the implementation of PEDs, which will be disseminated through European networks and educational partnerships.

Project coordinator

Accademia Europea
Di Bolzano

Funded project partners

Frankfurt University of
Applied Sciences, Metropolia
Ammattikorkeakoulu Oy,
Stichting Hogeschool Van
Amsterdam, Vsb - Technical
University of Ostrava

Other project partners

Alliander Nv, Comune
Di Verona, Eeneman Oy,
Espoon Kaupunki, Gemeente
Amstelveen, Helsingin
Kaupunki, Körperschaft Des
Öffentlichen Rechts, Magistrat
Der Stadt Battenberg (Eder),
Platform of Trust Oy, Vantaan
Kaupunki

Participating countries

Czech Republic, Finland,
Germany, Italy, Netherlands

Co-PED

Community based cultural and social centres as incubators for Positive Energy Districts

Co-PED responds to the urgent need for innovative financial models for energy communities, with a focus on Social and Cultural Centres (SCCs) as essential components of PEDs. The project aims to empower urban and rural communities to engage in energy generation and responsible consumption through innovative models, community participation, and policy recommendations. By establishing eight Urban Living Labs (ULLs) in various contexts, Co-PED seeks to strengthen SCCs' roles and deliver adaptable solutions, ultimately enhancing democratic decision-making and social inclusion for marginalised groups in the energy transition.

Project coordinator

Trans Europe Halles

Funded project partners

Bakelit Multi Art Center
Alapitvany, Basis
Vinschgau Venosta -Verein
Für Transdisziplinäre
Förderung Und Bildung
In Wirtschaft Kultur Und
Sozialem, Cooperative City
Nonprofit Kft, Die Bäckerei -
Kulturbackstube, Eutropian,
Eutropian GmbH, Friche La
Belle De Mai, Innsbrucker
Kommunalbetriebe
Ag, Kortars Epiteszeti
Kozpont Alapitvany, RISE
Research Institutes of
Sweden AB, Rising.Eco
Kft., Sambandscentralen
Ifö Center, Scic Sa La Main
9-3.0, Stichting Hogeschool
Rotterdam

Other project partners

Abelto Elektroservice
Kommanditbolag, Bromölla
kommun, Den kollektiva
hjärnan, Departement De
La Seine-Saint-Denis, Ess
Energy Storage Solutions
AB, Központ Újbudai
Kulturális Nonprofit Kft.,
Landeshauptstadt Innsbruck,
Stichting Stadmakersfonds,
T.L. Gardens of The Future,
Ville De Marseill

Participating countries

Austria, Cyprus, France,
Hungary, Italy, Netherlands,
Sweden



NEEDS Repowered

Navigating turbulent waters: RePowering cities in times of crisis

In the context of the current energy crisis, the NEEDS Repowered project aims to enhance the resilience of PEDs across Europe. By showcasing retrofitting technologies, designing behavioural incentives, and co-creating sustainable business models, the project operates at the intersection of social and technological innovation as well as regulatory and legal framework conditions in a holistic manner. Within the project a Community of Practice will be set up among local sites to share knowledge on energy efficiency, barriers, and solutions. Expected results include policy recommendations addressing energy crisis, poverty, and justice, ultimately helping to replicate successful strategies in various geographical and social contexts.

NEEDS Repowered brings together six European cities—Innsbruck, Karlsruhe, Kraków, Iași, Budaörs, and Helsingborg.

Project coordinator

Austrian Institute of
Technology (AIT)

Funded project partners

Energieagentur Tirol GmbH,
Helsingborgs kommun,
Hub Park AB, Innsbrucker
Kommunalbetriebe
Ag, Karlshochschule
Gemeinnützige GmbH,
Karlsruher Institut für
Technologie, Kek -
Karlsruher Energie- Und
Klimaschutzagentur GmbH,
Klimabündnis Tirol, Local
Government of The City
Budaörs, Öresundskraft AB,
RISE Research Institutes
of Sweden AB, The Urban
Institute Magyarorszag
Zartkoruen Mukodo Rt,
Universitatea Tehnica
Gheorghe Asachi Din Iasi,
Uniwersytet Jagiellonski

Other project partners

City of Iasi (Romania), Elocity
(Poland)

Participating countries

Austria, Germany, Hungary,
Poland, Romania, Sweden

Contact person

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RESPED

Enabling Energy Resilience through new energy flexible and affordable PED concepts

The RESPED project aims to support cities in transitioning to a more sustainable infrastructure through the study of PEDs. Involving urban living labs in Finland, the Czech Republic, Austria, and municipalities in Italy, the RESPED project seeks to enhance resilience and affordability while identifying solutions acceptable to local citizens. By employing a systems-based approach, the project will improve decision-making at the neighbourhood and city levels, empowering citizens as change drivers. An expected result is the establishment of a city learning community that fosters cross-country collaboration and the replicability of innovative concepts and technologies.

Project coordinator

Joanneum Research
Forschungsgesellschaft MbH

Funded project partners

Ceske Vysoke Ucení Technické v Praze, Gebwell Oy, Granlund Oy, Noho A.S., Suite5 Data Intelligence Solutions Limited, Teknologian Tutkimuskeskus Vtt Oy, Università Degli Studi Di Palermo, Università Della Calabria

Other project partners

Basso Building Systems Oy, Comune Di Monreale, Comune Di Palermo, Operator Ict As, Stadt Graz, Statutarni Mesto Hradec Kralove

Participating countries

Austria, Cyprus, Czech Republic, Finland, Italy

Urban regeneration and refurbishment



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EDUPED

EDUcational campuses as the drivers for Positive Energy Districts

EDUPED aims to accelerate the transition to PEDs by utilising educational institutions as key drivers. This initiative brings together five living labs in the Netherlands, Spain, Austria, Italy, and Romania to co-create innovative PED strategies. The project seeks to enhance collaboration between various stakeholders while aligning with ongoing efforts to refurbish public buildings and upgrade district energy systems. An expected deliverable is a practical framework for implementing PED strategies, promoting sustainability and energy efficiency across participating cities.

Project coordinator

Stichting Hoger
Beroepsonderwijs
Haaglanden

Funded project partners

Asociatia Romania Green
Building Council, Dilt
Analytics GmbH, Politecnico
Di Torino, Technische
Universität Graz, Universitat
Politecnica De Catalunya,
Universitatea Tehnica
Cluj-Napoca

Other project partners

Ajuntament De Terrassa,
Associazione Urban Lab,
Gemeente Den Haag,
Municipiul Cluj-Napoca,
Stadt Graz

Participating countries

Austria, Italy, Netherlands,
Romania, Spain

InterPED

Regenerating Intermediate Territories through Positive Energy Districts

PEDs are essential tools for achieving the European Green Deal and meeting 2030 climate targets. However, PEDs have predominantly been studied in dense metropolitan areas, overlooking crucial European regions known as ‘intermediate territories.’ These areas, consisting of diverse fragments including cities, towns, farmland, industrial/commercial zones, and natural elements, present a significant challenge for the ecological transition in Europe, even if divergent plans for energy transition often exist.

Project coordinator

Vrije Universiteit Brussel

Funded project partners

Politecnico Di Milano,
Universidade Da Beira Interior,
Universitatea Politehnica
Timisoara

Other project partners

Aldeias Históricas De
Portugal - Associação De
Desenvolvimento Turístico,
Asociatia Planeta Petrila,
Asociatia Urban Lab
Valea Jiului, Association
for Integrated Territorial
Development of Jiu Valley,
Comune Di Omegna,
Ecomuseo Del Lago D’Orta E
Mottarone, Fondazione Museo
Arti E Industria Di Omegna,
Municipio De Manteigas,
Municipio Do Fundao,
Provincie Vlaams-Brabant

Participating countries

Belgium, Italy, Portugal,
Romania

PED-JUST

PED-oriented urban regeneration: tailored strategies for JUST energy transitions in disadvantaged neighbourhoods

Integrated urban regeneration programs are essential for advancing climate-neutral cities. The PED-JUST project aims to develop urban regeneration strategies that foster just energy transitions in disadvantaged neighbourhoods in Bari (Italy), Aalborg (Denmark), and Wroclaw (Poland). Utilising a co-creation approach in Living Labs, the project will create tailored strategies informed by an analytical model to identify energy-related inequity risks. A key expected result is the establishment of Learning and Action Alliances, which will facilitate the integration of these strategies into broader efforts for urban sustainability. Monitoring tools will also be developed to assess the effectiveness and equity of the initiatives.

Project coordinator
Politecnico di Bari

Funded project partners
Aalborg Kommune,
Aalborg Universitet,
Himmerland Boligforening,
Politechnika Wroclawska

Other project partners
Arca Puglia Centrale,
Comune di Bari, Regione
Puglia, Wroclaw Miasto

Participating countries
Denmark, Italy, Poland

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Pol4PED

Crafting Policies for Positive Energy Districts: A multi-domain perspective and model-based exploration

PEDs are crucial for urban decarbonisation, yet their complex techno-socio-economic nature means widespread adoption remains challenging. To address this, the Pol4PED project designs targeted policy mixes, tailored to diverse European urban contexts, specifically focusing on existing districts and regeneration. A comprehensive toolbox will be developed using a platform-based design approach, integrating techno- and socio-economic models to ensure policy designs account for technical, economic, legal, and social aspects. Case studies in Zurich, Vienna, and Groningen will inform these designs. The project aims to identify best practices and accelerate sustainable urban energy transitions, demonstrating policy's critical role in achieving sustainable urban development.

Project coordinator

Eidgenössische
Materialprüfungs- und
Forschungsanstalt (Empa)

Funded project partners

Hanze University of Applied
Sciences, Technische
Universität Wien, World
Sufficiency Lab

Other project partners

Elektrizitätswerk Der Stadt
Zürich, Gemeente Groningen,
Stadt Zürich, UIV Urban
Innovation Vienna GmbH

Participating countries

Austria, France, Netherlands,
Switzerland

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REgENERaTE

REuse for ENergy Exploitation and storage of existing urban Tunnels in Europe

The REGENERATE project explores the potential of urban underground spaces in cities like Bregenz, Darmstadt, Turin, and Cluj-Napoca to host renewable energy production and storage systems. By assessing the feasibility of retrofitting these underground spaces, the project aims to integrate innovative thermal energy sources into future municipal heating networks, enhancing energy security and grid stability. It will combine technical and social innovations by evaluating the creation of new local heating networks from a user perspective. One expected result is the quantification of the potential benefits through pilot site monitoring and numerical modelling.

Project coordinator

Politecnico Di Torino

Funded project partners

Geosolving Srl, Infratrasporti. To Srl, Technische Universität Darmstadt, Technische Universität Graz, Universitatea Tehnica Cluj-Napoca

Other project partners

Asociatia Centrul De Resurse Pentru Eficienta Energetica, Db Netz Ag, Gemeinde Otzberg, Heag Ag, Innsbrucker Kommunalbetriebe Ag, Iren Spa, Landeshauptstadt Bregenz, Municipiul Cluj-Napoca, Stadt Munster, Uhrig Energie GmbH, Wiener Linien GmbH & Co Kg

Participating countries

Austria, Germany, Italy, Romania

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SET-PED

Synergizing Building Renovation and Regenerative Urban Furniture to Co-create PED Ecosystems

In the context of pressing global challenges like pandemics and climate change, SET-PED aims to develop strategies for resilient, adaptive and inclusive urban environments by proposing a holistic approach to urban regeneration that simultaneously addresses the renovation of neighbourhoods and the integration of local renewable energy systems through regenerative urban furniture. Urban furniture will be equipped with solar photovoltaic (PV) and recycled batteries, while building envelopes will be renovated with circular bio-based systems. Pilot projects will be tested in Sicily, Eskilstuna, and Bucharest, promoting climate-adapted designs. A key expected outcome is the establishment of community-driven, net zero neighbourhoods through co-creation processes that promote well-being and cohesion, ultimately empowering local stakeholders in the transformation of urban spaces.

Project coordinator

University of Catania

Funded project partners:

Asociatia IntreVecini,
Bucharest Sector 6, Dalarna
University, Eskilstuna
kommun, Imottesjo, Shared
City Foundation, University
of Palermo, Urbasofia

Other project partners

Comune Di Mascalucia
(Catania), Midsummer AB

Participating countries

Italy, Romania, Sweden

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Enabling systems for local energy transitions: collaboration and sustainable investment





GARDEN

Grid-Aware Decarbonization of electricity-driven Neighbourhoods

Increasing solar photovoltaic (PV) penetration, heat pump adoption, and electric vehicle use pose a challenge to local electricity grids. To address this challenge the GARDEN project aims to establish PEDs through a replicable governance process. By implementing smart energy management algorithms and a flexibility planning tool in demonstration sites in Austria, Switzerland and Turkey, the project GARDEN seeks to enhance grid reliability and foster sustainable energy access for all citizens. The project will deliver community-driven business models and procurement templates, setting a new standard for PEDs and guiding stakeholders toward successful, replicable practices in energy transition projects.

Project coordinator

e7 energy innovation
& engineering

Funded project partners

AEE - Institut für Nachhaltige Technologien, Erenitiko Idrima P.L., Sakarya Elektrik Dagitim AS, Sakarya University of Applied Sciences, Scuola Universitaria Professionale Della Svizzera Italiana

Other project partners

Azienda Elettrica Di Massagno (AEM) SA, Energiezukunft Weizplus eGen, Feistritzwerke Steweag GmbH, Intelligent Transportation Systems Association of Turkiye, Sakarya Buyuksehir Belediyesi, Stadtgemeinde Gleisdorf

Participating countries

Austria, Cyprus, Switzerland, Turkey

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MonuPED

Mainstreaming governance, co-investment and technology solutions for Positive Energy Districts in monument protected areas

MonuPED addresses the challenge of implementing PEDs within Monument-Protected Areas (MPAs), balancing urban energy transitions with cultural heritage protection. The project aims to identify and overcome barriers to PED development, targeting city, state, and national authorities, property owners, and citizens. It combines universal and city-specific research, like the Thermal Precision Profiling tool used in Leipzig's Baumwollspinnerei, to create practical guidelines and investment frameworks. One expected result is the establishment of streamlined planning processes and quantifiable criteria for monument protection, facilitating a harmonious blend of heritage preservation and sustainable energy practices.

Project coordinator

Ceske Vysoke Ucení
Technické v Praze

Funded project partners

CENEROenergy GmbH,
Forschung Burgenland
GmbH, Hringborð
Sjálfbærniþróunar- Sustain,
Javni Zavod Republike
Slovenije Za Varstvo Kulturne
Dediscine, Municipality of
Alba Iulia, Stadt Leipzig, Zavod
Za Gradbenistvo Slovenije

Other project partners

Czech Bishop's Conference,
MIB Projektentwicklung
GmbH, Stadtgemeinde
Pinskafeld

Participating countries

Austria, Czech Republic,
Germany, Iceland,
Romania, Slovenia

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The DUT Projects Catalogue presents an overview of the 42 R&I projects funded through the second call of the Driving Urban Transitions (DUT) Partnership, launched in 2023.

More information

www.dutpartnership.eu

