MADRID

MADRID FOR OTHER CITY NETWORKS

IURC
MELBOURNE VISIT
TO MADRID
OCTOBER 25th – 27th

Sustainable mobility planning. Inform cities about teh European strategy for Smart and sustainable mobility (SSMS) and related policies as well as collecting city's opinions on the implementation of the SMSS.

Improve transport through integrated strategies that target the economic, social and environmental dimensions of transport.

Leadership forums that have been initiated in 2015 with the aim of fometing the knowledge exchange between cities and create new participation models for public and private stakeholders.

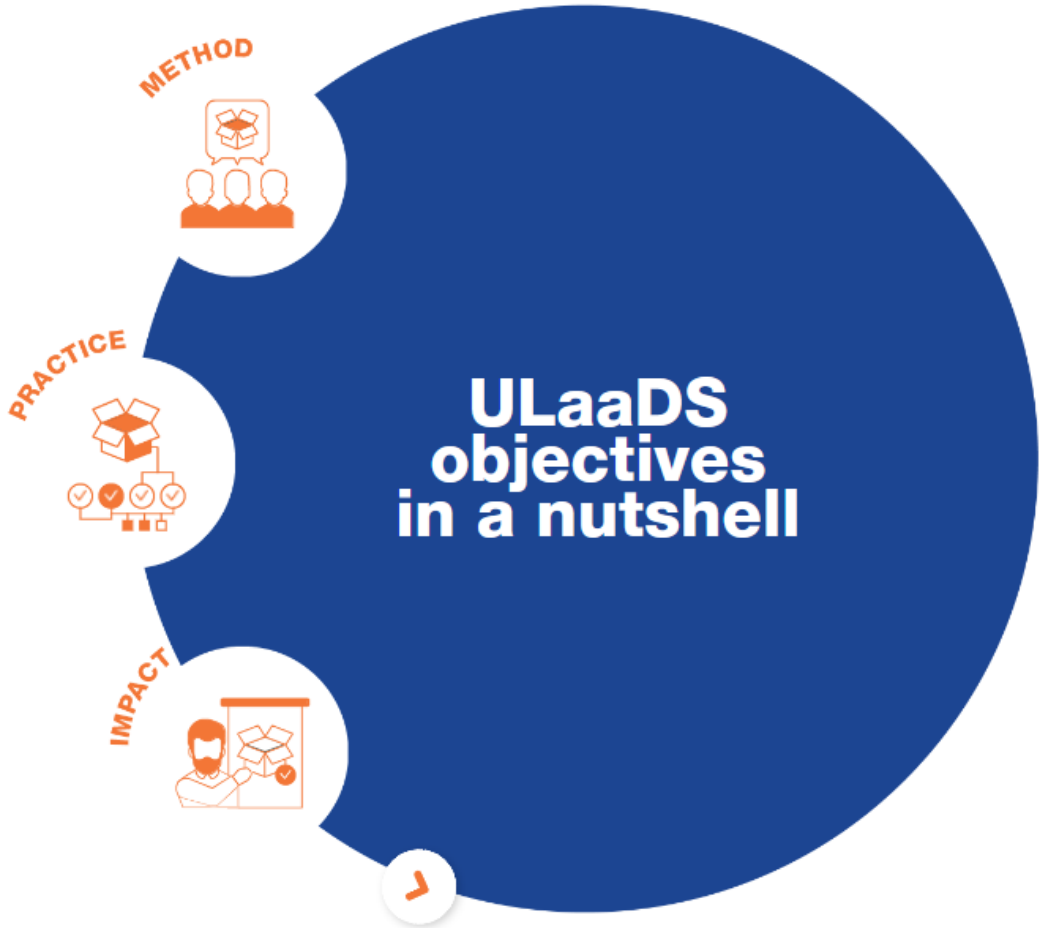
IURC stands for urban and regional cooperation on a global level in the fields of sustainable urban development, innovation, transport, etc.

IMPACTS is a network of European Capital Cities and Major Metropolitan Areas to promote the Exchange of information and experiences in urban mobility and transport policies.

Metropolis, strives to create prosperous, inclusive and sustainable Metropolitan Areas. It is based on learning exchanges between partner cities.

ULaDS
URBAN LOGISTICS AS AN ON-DEMAND SERVICE

Vision and Objectives



OUR VISION:

ULaaDS aims to foster sustainable and liveable cities through the deployment of innovative, shared, zero-emission logistics, while dealing with the impact of the on-demand economy. The project will have an impact on how people and local businesses organise their future shopping and delivery practices, contributing to the EU's goal of zero-emission city logistics by 2030.

LEAD will create Digital Twins of urban logistics networks in six TEN-T urban nodes (Madrid, The Hague, Lyon, Budapest, Oslo, Porto), to support experimentation and decision making with on-demand logistics operations in a public-private urban setting. City logistics solutions will be represented by a set of value case scenarios that address the requirements of the on-demand economy and the pressures caused by the increase of parcel deliveries while aligning competing interests and creating value for all different stakeholders.

LEAD Strategies

for shared-connected and low-emission logistics operations

1

Innovative business models

with a view to optimising the performance of last mile logistics (based on volatility of demand, delivery life cycles and costs) in response to the challenges posed by the on demand economy

2

Agile freight storage and distribution

Agile schemes for urban freight storage and last mile distribution, including crowdsourced shipping, capacity sharing, multi-echelon and Physical Internet inspired approaches

3

Low emission delivery vehicles

including Electric Delivery Vehicles (EDVs), hybrid and automated vehicles for freight delivery like cargo-bikes, delivery robots and droids -walkers will also be considered

4

Smart data-driven logistics solutions

for shared, connected and low-emission logistics operations, empowered by an adaptive modelling approach and Digital Twin models, applied in real-life environments

SCALE-UP

User-Centric & Data Driven Solutions for Connected Urban Poles

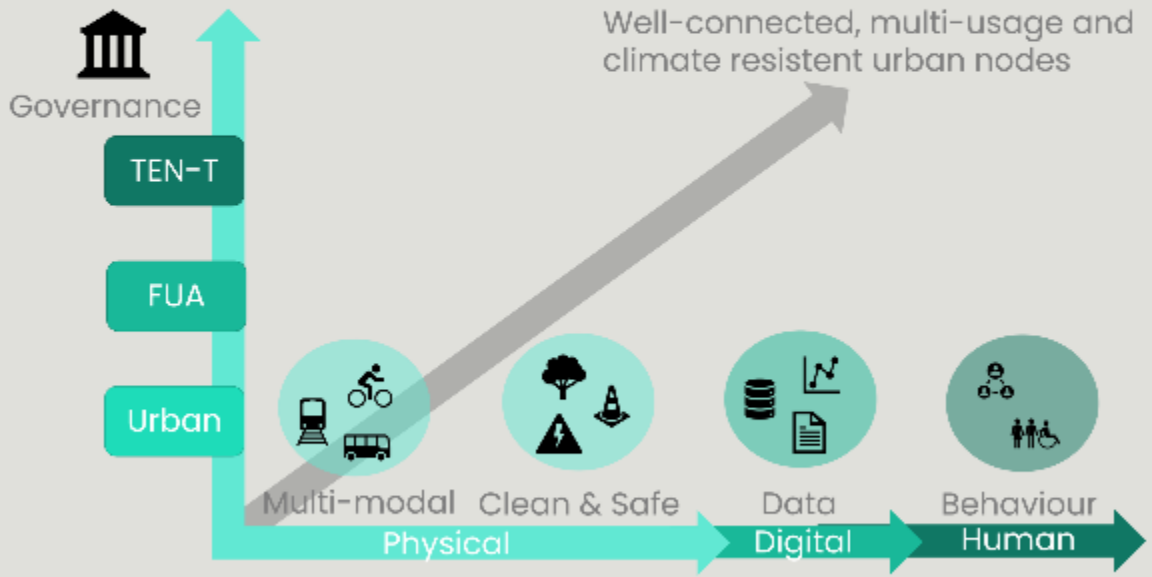
SCALE-UP is an EU-funded Innovation Action, focusing on 3 European urban nodes (Madrid, Antwerp, Turku) and exploring options to render them better connected and climate resilient while further developing complex multi-modal transport systems.

3 stunning cities.

3.9 million active citizens.

28 urban mobility strategies.

23 committed partners.



https://youtu.be/l7sCuDLHf4A SCALE UP introduction video

avantia

Avanzando hacia un transporte por la igualdad y el ambiente

Avantia is a Project presented by Metropolis that pursues a reformation of the transport system in Bogotá (Columbia) to encourage environmental sustainability and gender equality after the COVID 19 pandemic.

Participants are Metropolis, Bogotá, Madrid and IS Global

unchain Partners

UNCHAIN will break the chains by empowering sustainable urban logistics. Our EU-funded project breaks data barriers, enabling seamless cooperation between public authorities and logistics stakeholders. Together, we optimize urban operations, plan for smart cities, and move towards climate-neutral futures. Join us in transforming urban freight with cutting-edge technology and collaborative solutions.

etra I+D

BERLIN
Senatsverwaltung für Bildung, Jugend und Familie

eit Urban Mobility
Co-funded by the European Union

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Verkehr Mobilität Zukunft

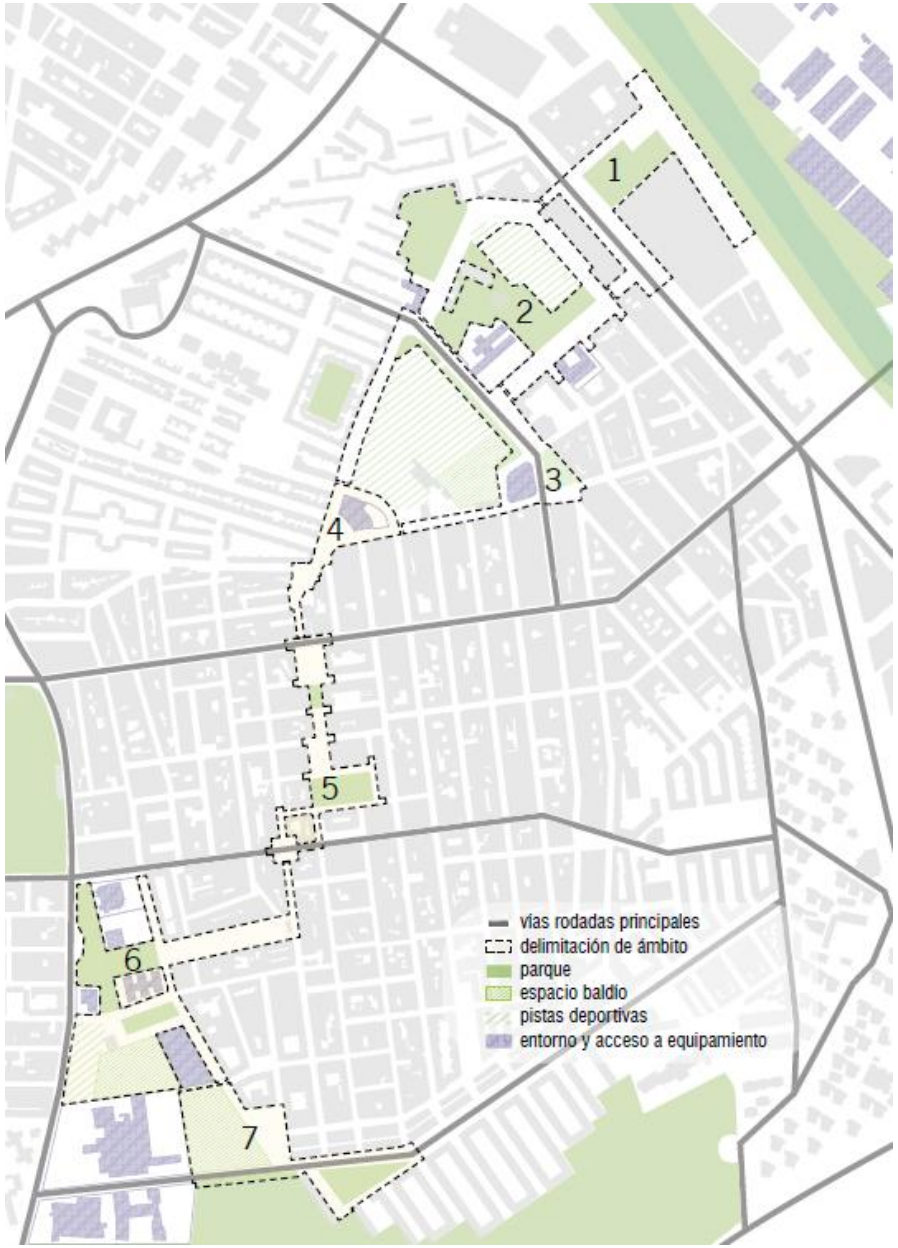
SELECTIVE: A New Shared Economy Project that Aims to Improve Electric Vehicle Infrastructure in Europe

eit Urban Mobility

Co-funded by the European Union

LogiCycle: creates delivery ecosystems in low emissions city zones with reverse logistics for commercial returns. The project optimizes courier services and trips to reduce CO2 emissions, while upgrading IT algorithms and designing logistics systems for effective delivery and drop off.

The **CLEVER Cities project** uses nature-based solutions to address urban challenges and promote social inclusion in cities across Europe, South America and China.



The challenges and vision

After decades of intense expansion in the southern and eastern peripheries, the city has turned to focus on **regeneration in the inner-city and more vulnerable areas.**

Madrid's new urban vision for the city focusses on climate change adaptation and **making these residential neighbourhoods more livable for all through nature-based solutions**.

Pilot Project: urban regeneration of the area of Pradolongo in the south-eastern Usera district (approx. 134,000 inhabitants)

CleverCities •• Madrid

Veg Gap
Vegetation for Urban Green Air Quality Plans

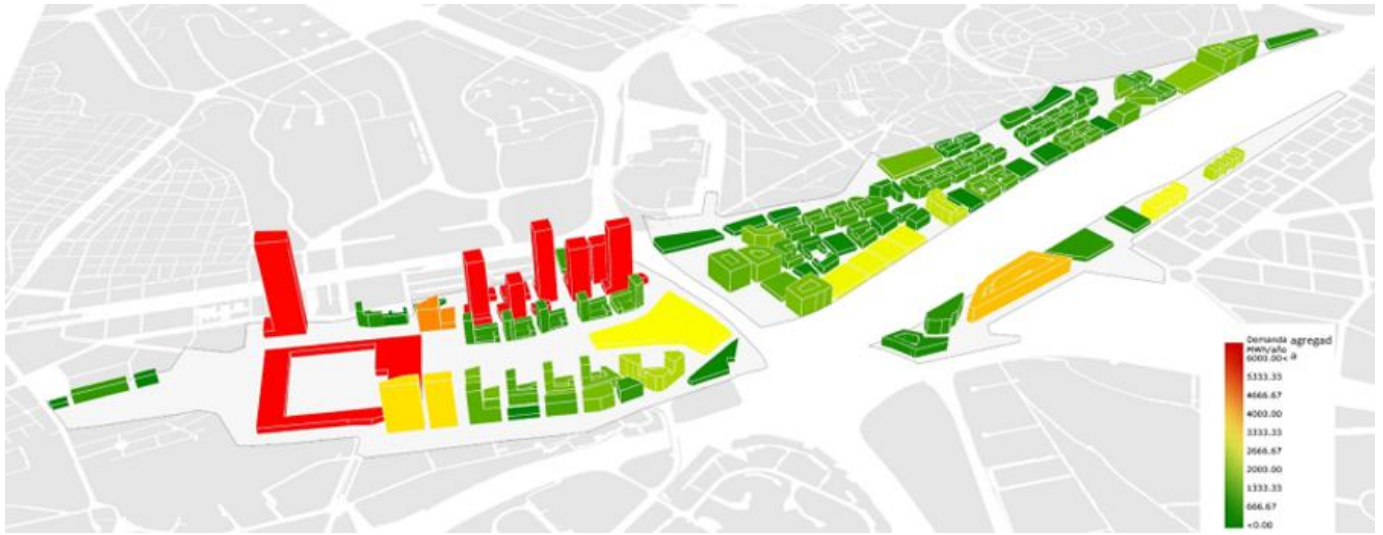
The **VEG-GAP project** works on developing a strategy for **providing new reliable information in support of designing urban Air Quality Plans (AQPs)** considering the urban vegetation ecosystems characteristics such as plant type and state, green area extension, etc.

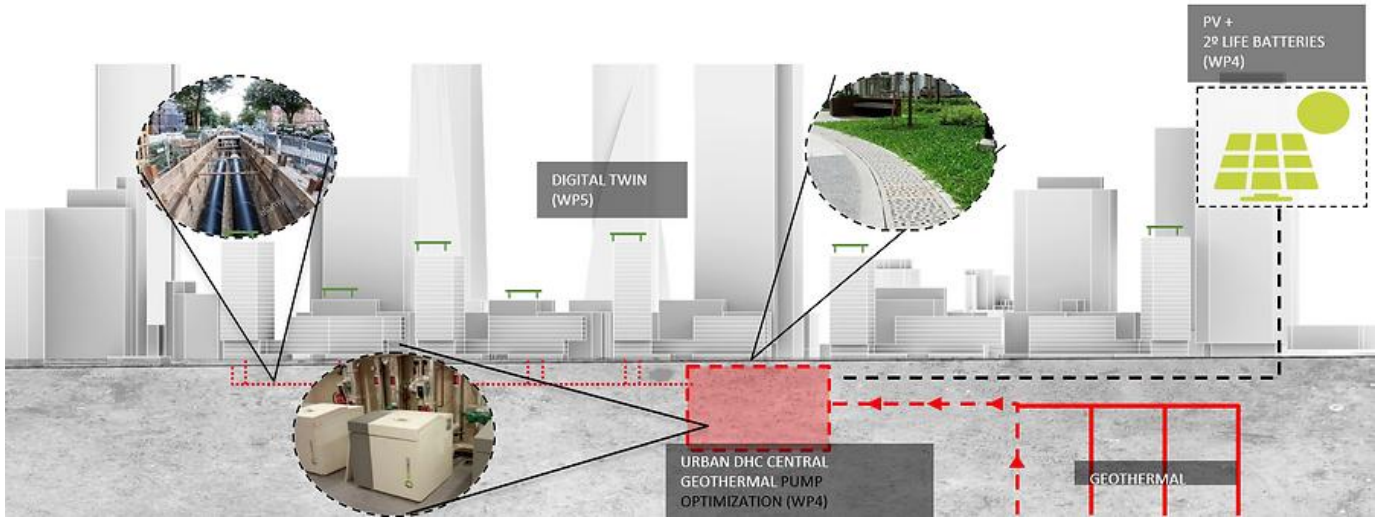
The multiple vegetation ecosystems services will be evaluated in an integrated way through multi-scale and multi pollutant approaches resembling the real-world as much as possible.

The vegetation ecosystems contributions both as sources and sinks of air pollution, its effects on air temperature and further impact on air quality will be simultaneously investigated. This will contribute to a better understanding and evaluation of the possible risks and benefits for human health and ecosystems themselves associated with air pollution changes induced by vegetation/ecosystems changes which is another project objective.

The **PROBONO project** envisions to establish a **people-focused European construction industry**, by working in harmony with the broader community of stakeholders, to **deliver scalable, sustainable, and viable energy-positive and zero-carbon Green Building Neighbourhoods (GBN).**

The project will be structured in four different areas: Chamartin Station, Chamartin Business District, Malmea-San Roque- Tres Olivos, Las Tablas Oeste.
These four areas have independence in their development and will be executed by independent Compensation Boards and the Madrid City Council with responsibility for carrying out the constructive design of the project and its execution. However, there are also common infrastructures that must be executed jointly, such as energy infrastructure, telecommunications, drinking water supply and irrigation, wastewater, and mobility infrastructure, leaving local networks as the sole competencies of each compensation board. Currently, the main landowners and interested public entities are formalizing an agreement for the development of common infrastructures.





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