ELABORATOR

Designing sustainable urban mobility towards climate-neutral cities

CIVITAS
Sustainable and smart mobility for all

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Our cities

Lighthouse cities

- **Milan, *Italy***

With the upcoming 2026 Winter Olympics, the Milan Living Lab aims to enhance urban accessibility and safety for vulnerable road users. The planned measures include designated Olympic routes, advanced sensors for the visually impaired, and tactical urbanism on Via Novara.

- **Copenhagen, *Denmark***

Copenhagen aims to improve traffic management in the Medieval City Centre by understanding vulnerable road users' interactions, relocating car parking spaces to parking houses and moving bike racks from squares to nearby streets.

- **Helsinki, *Finland***

Helsinki's Living Lab in Jätkäsaari will demonstrate activities focusing on enhancing traffic safety with digital solutions, with the aim of improving safety for vulnerable road users. Initiatives include testing new technologies for collecting accident-related data, visualising near misses and risk situations, and optimising e-scooter parking.

- **Issy-les-Moulineaux, *France***

The Issy-les-Moulineaux Living Lab is focused on enhancing safety for cyclists and pedestrians in a high-traffic area. The approach includes stakeholder consultation and data-driven interventions, such as ground-level light markings to encourage safer interactions and increased bike and pedestrian usage.

- **Trikala, *Greece***

Trikala aims to enhance life quality through sustainable mobility solutions. The Living Lab will integrate and expand services to ensure safe commuting for pedestrians, cyclists, and vulnerable groups via participatory workshops, measures include establishing park-and-ride stations with bike fleets, deploying sensor technology for real-time monitoring, and improving bike lane safety.

- **Zaragoza, *Spain***

The Zaragoza Living Lab aims to develop safer and more accessible public spaces, particularly for women, children, older people, and disabled people around the New Romareda Stadium. It will collaborate with local stakeholders and residents to shape mobility by conducting various activities to test and co-design safe, universal approaches at the neighbourhood level.

ELABORATOR Lighthouse cities

ELABORATOR Follower cities

Milan, Italy

Copenhagen, Denmark

Helsinki, Finland

Issy-les-Moulineaux, France

Trikala, Greece

Zaragoza, Spain

Lund, Sweden

Ioannina, Greece

Krusevac, Serbia

Liberec, Czech Republic

Velenje, Slovenia

Split, Croatia

Follower cities

- **Lund, *Sweden***

The Lund Living Lab aims to transform urban mobility to improve the street environment and create a safer city centre. It will provide city officials with data to make informed decisions, promoting sustainability and aiding Lund's goal of becoming a net-zero city.

- **Ioannina, *Greece***

The Ioannina Living Lab aims to connect local authorities, citizens, cultural groups, private companies, and other stakeholders to foster sustainable mobility. It focuses on designing a pilot e-bike system selecting optimal dock locations, designing bike lanes, and addressing bike mobility safety.

- **Krusevac, *Serbia***

The Krusevac Living Lab addresses urban mobility challenges like traffic congestion, limited accessibility, and low public transport use, aiming to transform the city into a model of sustainable urban mobility. Its primary objectives are to improve accessibility, reduce congestion, and promote sustainable transport.

- **Liberec, *Czech Republic***

The Liberec Living Lab aims to enhance sustainable mobility infrastructure e by implementing effective parking regulations using vehicle plate detection and sensors, redesigning public spaces to support electromobility, and ensuring safe traffic flow.

- **Velenje, *Slovenia***

The Velenje Living Lab aims to co-create and test urban mobility solutions for a greener, more connected future, focusing on micromobility. The objectives include establishing a collaborative ecosystem, designing and assessing innovative mobility solutions, implementing advanced analytics, and contributing to climate neutrality goals.

- **Split, *Croatia***

The Split Living Lab will install video surveillance cameras at four frequently blocked locations to automatically detect violations and issue fines. If successful, the project will expand city-wide. They aim to enhance traffic safety, reduce improper parking, and promote urban mobility by increasing space for pedestrians and cyclists.

Urban revolution: inclusive, safe, resilient and sustainable

Smart mobility planning and urban public space design and allocation must reflect the views and needs of their users to directly impact the safety, resilience and sustainability of communities, cities, regions and citizens' quality of life.

In comes ELABORATOR! Funded by the Horizon EU programme, our project aims to use a holistic approach for planning, designing, implementing and deploying specific innovations and interventions towards safe, inclusive and sustainable urban mobility.

Our approach

ELABORATOR's aim will be met through key interventions, specifically co-designed and co-created with identified vulnerable to exclusion user groups, local authorities and other relevant stakeholders. They will be demonstrated in 12 European Living Labs with three key aims:

To collect, assess and analyse user needs and requirements towards a safe and inclusive mobility and climate neutral cities;

To collect and share rich information sets made of real data, traces from dedicated toolkits, users' and stakeholders' opinions among the cities so as to increase the take up of the innovations via a twinning approach;

To generate detailed guidelines, policies, future roadmap and built capacity for service providers, planning authorities and urban designers for the optimum integration of such inclusive and safe mobility interventions into Sustainable Urban Mobility Plans (SUMPs).

Our partners

ELABORATOR is a joint effort between 38 cities, technology and service providers, industry and SMEs, research organisations and universities and network organisations who bring to the table their varied and exceptional expertise. The project is funded by the European Union's Horizon Europe Programme, has a duration of 42 months and a budget of approximately 11 million euros.

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