



# GREEN-LOG

Newsletter

July-August 2023



## Welcome to the 1<sup>st</sup> edition of the GREEN-LOG newsletter!

Dear Reader,

We are pleased to announce the publication of the 1st issue of the GREEN-LOG newsletter. If you are interested in innovative **last-mile delivery solutions** with the highest possible impact on environmental sustainability and traffic reduction, you are at the right place!

Representing a powerful consortium of high-profile partners from all over Europe, the Horizon Europe-funded GREEN-LOG project promises to accelerate systemic changes and create last-mile delivery ecosystems that are economically, ecologically, and socially sustainable.

Stay tuned @ [www.greenlog-project.eu](http://www.greenlog-project.eu)!

With best wishes,

The GREEN-LOG team



## A new vision of last-mile logistics

The world is experiencing unparalleled growth in last-mile transport following the unprecedented growth of e-commerce. The steep curve is expected to continue in the years to come, fueled by a multitude of factors related to societal changes and technological advancements. This new e-commerce reality brings a number of challenges to urban and peri-urban ecosystems and puts immense pressure on courier companies for seamless servicing of higher volume home deliveries.

Against this backdrop, the **GREEN-LOG project** aims to accelerate the **shift to sustainable and smart mobility in last-mile delivery** as defined by the European Green Deal action plan and the EC's Roadmap to a Single European Transport Area, while building upon the recommendations of the European Environment Agency for first/last/only mile modes.

## Discover GREEN-LOG

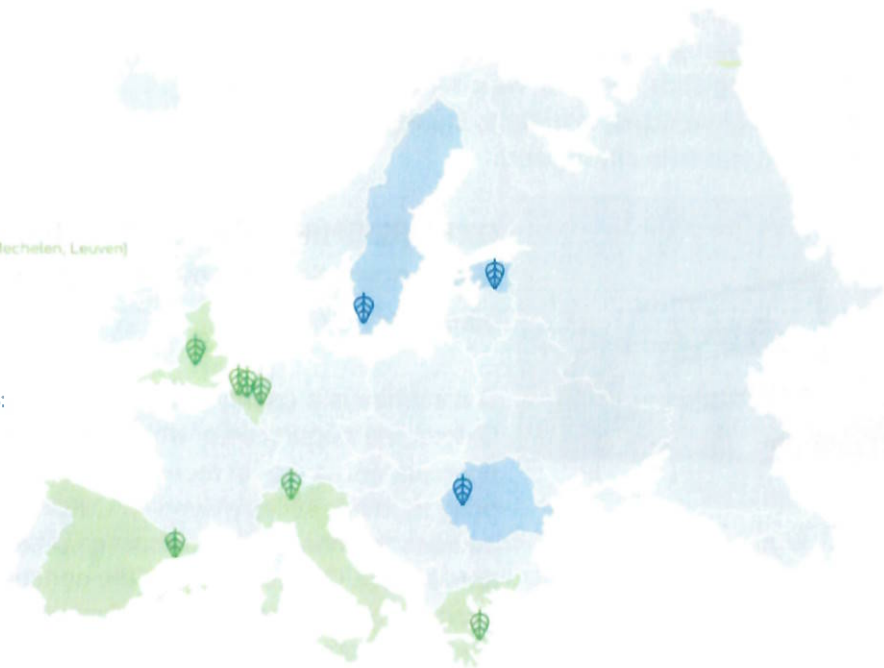
GREEN-LOG offers **Logistics-as-a-Service platforms** for interconnected city logistics, **automated delivery concepts** using autonomous vehicles and delivery droids, **cargo-bike-based innovations** for sustainable micro-consolidation, and **multimodal parcel deliveries** integrating public transportation. The solutions are supported by networked city logistics dataspaces that supply dynamic services for proactive ecosystem optimisation while respecting the interests of stakeholders including consumers, businesses, and the city.

The GREEN-LOG approach provides a cutting-edge simulation environment for scenario building combining different solutions to enable the integration of last-mile delivery interventions with the highest possible impact on environmental sustainability and traffic reduction, also considering their financial viability.

GREEN-LOG Cities

- Living Labs:**
- Athens
  - Barcelona
  - Flanders (Ghent, Mechelen, Leuven)
  - Oxfordshire
  - Ispra

- Follower cities:**
- Arod
  - Helsingborg
  - Vniga



## Living Labs

### ATHENS, Greece

Multi-stakeholder collaborations for shared MCCs and optimised cargo-bike use

Athens is a densely populated area and faces challenges that have severe impact on urban logistics. The aim is to establish a network of logistics service providers, local stakeholders, businesses etc. to implement micro-consolidation centres (MCCs) in public places jointly used by the courier companies. Also, the use of cargo-bikes and electric vehicles will be introduced and extended.



### BARCELONA, Spain

Multimodal last-mile deliveries

The suburban area of Barcelona has not taken the opportunity to implement greener delivery methods as intensely as the urban zone. The Barcelona LL will assess and develop appropriate last-mile delivery models such as primarily cargo-bike hubs, but also lockers, linked to rail stations in a variety of urban contexts (covering Barcelona's city centre and towns along the metropolitan rail network).

### FLANDERS, Belgium (Leuven, Ghent, Mechelen)

Last-mile Urban Logistics-as-a-Service

The region of Flanders has announced the ambition to introduce zones for zero emission urban freight in cities. The goal is to develop a functional Logistics-as-a-Service platform where urban logistics data is used to link demand



(e.g., urban freight shipments, on-demand requirements, storage requirements) and supply (e.g. the provision of sustainable logistics services, warehouse space, need for certain type of vehicles) in order to improve the sustainability of first- and last-mile city logistics.



**OXFORDSHIRE, United Kingdom**  
Next generation last-mile delivery integrating cargo-bikes and AVs

Oxfordshire is a county in England which includes the City of Oxford, the population of which has grown at an unprecedented rate in recent years. GREEN-LOG intends to bring together active players in Oxford's freight operations to address the challenges in scaling up zero emission last-mile deliveries in Oxford. Some of the concepts are the design of movable consolidation points, demonstration of new customised cargo-bike designs, and development of digital marketplace.

**ISPRA (JRC), Italy**  
Next generation last-mile delivery integrating delivery robots

The Joint Research Centre (JRC) is an EC infrastructure in Ispra where GREEN-LOG solutions will be demonstrated. Autonomous and multimodal delivery able to support daily activities by increasing efficiency, reducing errors, and decreasing human involvement, especially in most of the standardised and repetitive operations will be achieved through the integration of the fleet management system (Yape droids and Measy cargo bikes) with the booking system implemented in the delivery platform.



**Follower Cities**



**ARAD, Romania**



**HELSINGBORG, Sweden**



**VALGA, Estonia**

Three Follower Cities with high interest in tailoring and replicating GREEN-LOG solutions will benefit from intensive transferability acceleration actions.

**READ OUR LATEST BLOG POSTS**



## **GREEN-LOG – the adventure towards an era of optimised zero emission last-mile logistics**

GREEN-LOG aims to accelerate systemic changes and create last-mile delivery ecosystems that are economically, ecologically, and socially sustainable.

**Read more**



## **LaaS: How GREEN-LOG Marketplace solution will contribute to a more sustainable last-mile delivery**

The GREEN-LOG project aims to accelerate the shift to sustainable and smart mobility in last-mile delivery by introducing a Marketplace as a solution, which targets the link from the suppliers to the consumers in a more sustainable and eco-friendly way.

**Read more**



## **Living Labs for city logistics: The evolutionary journey from birth to maturity**

Living Labs (LLs) provide collaborative environments where stakeholders can experiment and test innovative solutions in real-world settings. In the realm of city logistics, LLs offer a platform for stakeholders to co-create and co-design interventions that enhance the efficiency, sustainability, and resilience of urban logistics systems.

**Read more**



## **Collaboration for optimised last-mile delivery**

Several industry-led initiatives had shown that pooling resources may help ameliorate the last-mile logistics and the related operations, while at the same time satisfying customers' expectations for fast, error-free and on-time delivery.

**Read more**

## **EVENTS**

**GREEN-LOG is getting prepared for UMD23!**



The poster features a blue background with white silhouettes of various urban mobility modes: a taxi, a person on a bicycle, a person on a kick scooter, a person walking with a child, a person pushing a stroller, and a bus. A drone is also depicted flying above the figures. The text 'URBAN MOBILITY DAYS 2023' is prominently displayed in large, bold, green and orange letters. Below it, the dates '4-6 October 2023' and the location 'Seville (Spain)' are written in white. At the bottom, there are logos for the European Commission, Sevilla, and U23 (Presidencia Española), along with the hashtags #UMD23 and #UrbanMobility.

# URBAN MOBILITY DAYS 2023

4-6 October 2023  
Seville (Spain)

 European Commission |  Sevilla. |  U23  
PRESIDENCIA ESPAÑOLA  
CONSEJO DE LA UNIÓN EUROPEA

#UMD23 #UrbanMobility

GREEN-LOG is proud to announce its participation in **Urban Mobility Days 2023**. This significant event will take place on **4-6 October, in Seville, Spain**, bringing together politicians, local authorities, industry, and urban transport practitioners with the European Commission aiming to connect, share and discuss the latest developments in smart, inclusive, and sustainable mobility planning and solutions.

More information about the event is available at  
[https://transport.ec.europa.eu/urbanmobilitydays\\_en](https://transport.ec.europa.eu/urbanmobilitydays_en).

GREEN-LOG LaaS concept presented at the WCTR 2023




Prof. Joris Beckers from the University of Antwerp participated at the **World Conference on Transport Research (WCTR) 2023** presenting the GREEN-LOG project and its LaaS concept.

The conference is an initiative of the **World Conference on Transport Research Society**. WCTR conference is held every 3 years since almost 50 years. This year, it took place on 17-21 July 2023 in Montreal, Canada.

The aim of the conference is to bring together experts in all areas of transport research from all parts of the world and to stimulate the exchange of ideas in the field of transport policy and practice.

More information about the event is available at <http://wctr2023.ca/>.

GREEN-LOG at 9th International Physical Internet Conference 2023



GREEN-LOG participated at the **9th International Physical Internet Conference (IPIC 2023)** on June 13-15, 2023, in Athens, Greece.

GREEN-LOG was represented by its coordinator, Netcompany-Intrasoft, and delivered a presentation about the project and the particular developments linked to interconnected green delivery solutions (prepared jointly by Netcompany-Intrasoft and the University of Antwerp).

The International Physical Internet Conference aims to provide an open forum for researchers, industry representatives, government officials and citizens to together explore, discuss, introduce leading edge concepts, methodologies, recent projects, technological advancements, start-up initiatives, for current and future Physical Internet implementation.

For more information, visit the event's page: <https://www.pi.events/>

## The GREEN-LOG Team

GREEN-LOG brings together high-profile partners, including SMEs, universities and research institutes, a large IT company, major last-mile logistics operators, city authorities, a city logistics association and an association of EU cities, from all over Europe, to accelerate the shift to a new era of optimised zero emission last-mile city logistics.

### Partners:





www.greenlog-project.eu  
 info@greenlog-project.eu



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GREEN-LOG is a project under the CIVITAS Initiative. Read more -[civitas.eu](https://civitas.eu)

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