Urban Logistics Innovation Day

26 September 2023, Brussels











Alliance for Logistics Innovation through Collaboration in Europe



#LEADFinalConference #UrbanLogisticsInnovationDay





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Irene Blázquez Jiménez, EMT Madrid and Coordinator of LEAD









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Key-Notes









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The EU's Action for an Innovative and Sustainable Urban Logistics

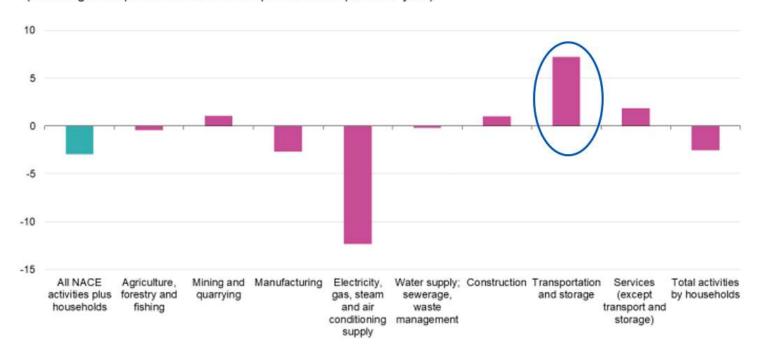
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Paola Chiarini
Unit Innovation and Research
DG Mobility and Transport

EU economy GHG emissions: -3% in Q1 2023 - but not in transport!

Growth rates of greenhouse gas emissions by the economy, EU, Q1 2023

(% change compared with the same quarter of the previous year)



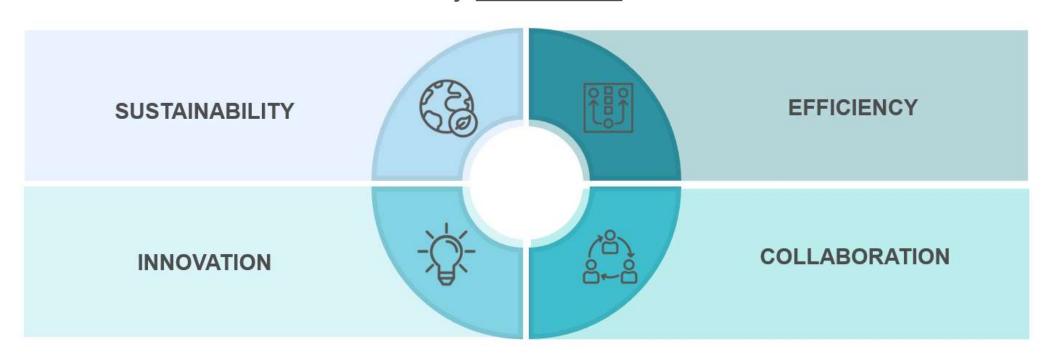
Source: Eurostat (online data code: env_ac_aigg_q)





Zero-emission city freight logistics and last-mile delivery

New EU Urban Mobility Framework and other initiatives





How to fund the green smart transition?



CONNECTING EUROPE FACILITY: DEPLOYMENT (e.g. Alternative Fuels Infrastructure Facility call)

EUROPEAN URBAN INITIATIVE: funding innovation in cities, capacity building, experience exchanges

INTELLIGENT CITIES CHALLENGE: become an expert, engage with funded cities

... and more

Urban Mobility Days 2023

- 4-6 October 2023, Seville, Spain
- Unique interactive forum for policymakers, national, regional and local authorities, academics, NGOs, urban transport practitioners and industry representatives
- Session Urban Logistics: Delivering Sustainability on Time
 October, 14.15-15.30



https://transport.ec.europa.eu/urbanmobilitydays_en



Thank you

Paola Chiarini

Paola.CHIARINI@ec.europa.eu



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European Commission

Managing Urban Logistics in Madrid

Pedro Fernandez

Head of Department

General Directorate of Mobility
Planning and Infrastructure

Urban Logistics Innovation Day September, 26 2023









In 2019 the Madrid 360 Strategy was presented to comply with the European Directive on Air Quality...







A thorough analysis of the urban logistics system found ...



- Urban Logistics accounts for 15 20% of traffic
- E-commerce has **doubled** during the covid pandemic
- In **more than 65%** of establishments operations take place on the street (non-regulated areas)







The Madrid 360 SUMP includes 10 strategic axes, 32 measures and 121 actions ...



- Smart
- Safe

7. Promoting technological change and optimizing urban logistics

- Promotion of microhubs for sustainable last-mile delivery
- Creation of lockers for e-commerce in intermodality hubs
- Smart reserve system for loading and unloading
- Encouraging the shift to cleaner vehicles
- Restriction of access for polluting vehicles (LEZ)



Adaptive last-mile, low-emission logistics in support of the on-demand economy through "digital twins."





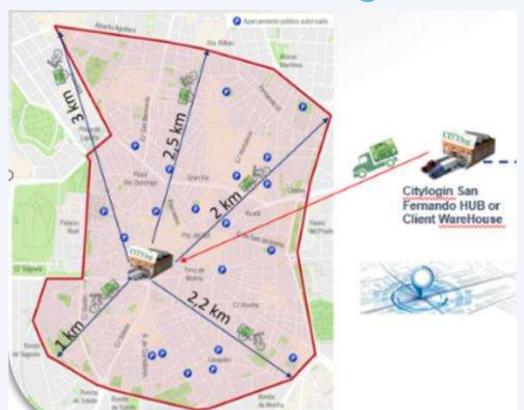








Micrologistics hub in Plaza Mayor





- Urban logistics operations are carried out by a 100% electric fleet
- Cargo motorcycles and vans were especially adapted for urban freight distribution
- Capacity of cargo motorcycle: 40 normal-sized packages



Micrologistics hub in Plaza Mayor







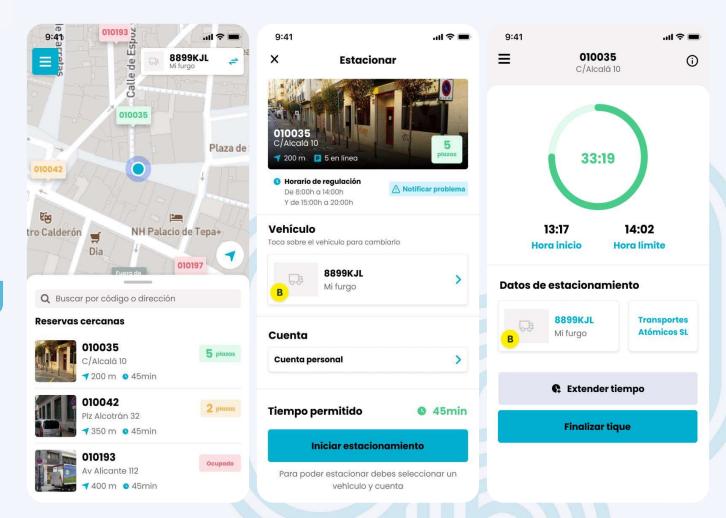
Micrologistics hub in Plaza Mayor



More details on the development and results of the LEAD pilot in Madrid will be shared throughout the day by my colleague Sergio Fernández.



Other actions: Smart reserve system for loading and unloading







In Madrid 360 all measures are intertwined and have to be aligned to reach a common goal



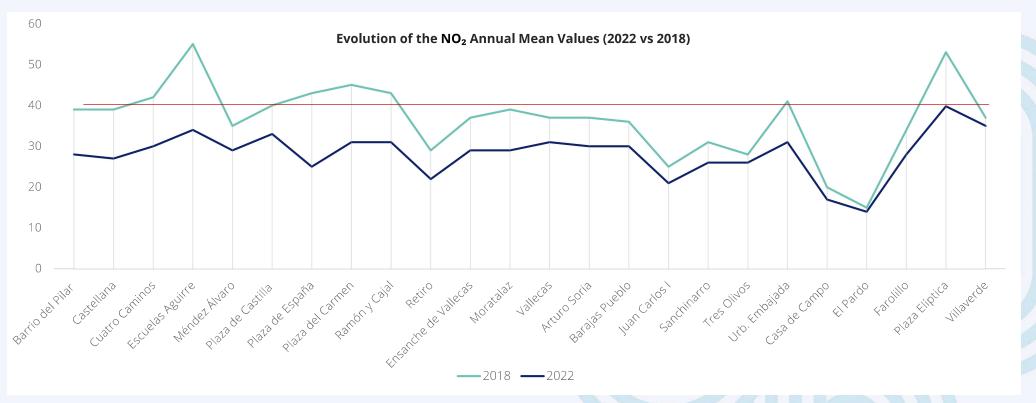
6. Stimulate the shift to cleaner vehicles (LEZ and SPLEZ)

- The central district Special Protection Low Emission Zone is in force since September 2019
- Restriction of access for polluting vehicles. Exception for residents and shopkeepers/operators in the Special Protection Low Emission Zone.
- The unauthorised access to the central district have been reduced by 40.6% from the prewarning period.





In 2022 Madrid complies for the first time with the European air quality standards







We are on the right track...

The city council of Madrid is completely aware of the importance of the urban logistics system for urban mobility planning and is currently pursuing two lines of action.

- 1 We are currently developing a SULP to pick up where the SUMP left of
 - 2 We are currently participacting in the project UNCHAIN to explore innovative solutions for curbside management and reverse logistics



