



# Jobs and skills for urban freight

3<sup>rd</sup> November, 2021



 **Breda**  
University  
OF APPLIED SCIENCES

**POLIS**  
CITIES AND REGIONS FOR TRANSPORT INNOVATION





# Our speakers

**Walther Ploos van Amstel** (*could not be here today, but has added his statements*)

Professor in City Logistics Amsterdam University of Applied Sciences and co-founder of stARTwell Amsterdam Zuidoost.

**Lola Ortiz**

General Director of Planning and Mobility Infrastructures for Madrid. Lola is also the chair of POLIS' Urban Freight working group.

**Susana Val**

Susana Val is the Director of Zaragoza Logistics Center (ZLC), a research and educational center in Logistics & Supply Chain Management, and Research Affiliate at the MIT Center for Transportation and Logistics. Since 2017 she is also the Director of the Research Institute in Logistics ZLC, affiliated to the University of Zaragoza.



# Agenda

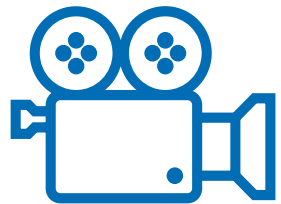
1. Interest is growing & cities are acting
2. Changing job functions
3. Trends
4. Skills
5. Filling the gaps
6. Current demands & vacancies
7. Future job roles



# A few details before we start...



To answer poll questions or pose questions to the speakers, please post them in the chat



This webinar is being recorded, and will be available afterwards



Please keep your microphones muted when not talking



Keep your eyes out for the summary report which will follow next week



# Research and interest in this area are growing fast



## E-course on sustainable urban freight gets underway

SURF project's e-course is providing the know-how and resources to develop effective and durable urban logistics solutions. ...



## Small and medium-sized cities discuss urban nodes, zero-emission freight and city attractiveness

The Small and Medium Sized City (SMC) Platform meeting brought together a range



## Flexible access & space management working session – presentations & recordings

In partnership with ALICE, EPA, FiT and Erasmus University



# Projects are piloting news solutions





# Cities are taking action



## Gothenburg opens Sweden's first logistics centre for electric cargo bikes

Established in partnership with private operators, it will be Sweden's first logistics centre



## Rome kicks off Logistics Living Lab

On February 24, Roma Capitale, Rome Mobility Agency and Roma Tre University presented the Logistics Living Lab of Rome....



## Île-de-France Region launches call for expressions of interest in freight and logistics

By encouraging local authorities and logistics professionals to



## TfL launches London FreightLab to innovate for freight and servicing

The Mayor and Transport for



# New partnerships



**POLIS and ALICE continue their collaboration for sustainable urban freight**

POLIS and ALICE, The European Technology Platform convened to continue their collaboration on sustainable logistics





# New learning opportunities



## E-course on Zero-Emission Zones for freight- POLIS & EDF

Learning goal: raising skills and knowledge related to the development, implementation, and operation of Zero-Emission Zones for freight (ZEZ-Fs), thus supporting the transition to zero emission deliveries.- *flexible learning, lectures, interactive tasks, ability to exchange with other students*

Target audience: primarily city and regional authorities but also national policy makers, practitioners, entrepreneurs, and operators.

# What happens if we ignore the issue...



Search quotes, news & video

MARKETS BUSINESS INVESTING TECH POLITICS CNBC TV WATCHLIST CRAMER PRO

MAKE IT

EUROPE ECONOMY

## After causing chaos in the UK, truck driver shortages could soon hit the rest of Europe

PUBLISHED MON, OCT 4 2021 6:50 AM EDT | UPDATED MON, OCT 4 2021 2:13 PM EDT



Holly Ellyatt  
@HOLLYELLYATT

SHARE    



October 27, 2021  
11:50 AM CEST  
Last Updated 3 days ago

### The Great Reboot

## Lights on, nobody applying: skills shortage bites as Australia reopens

4 minute read

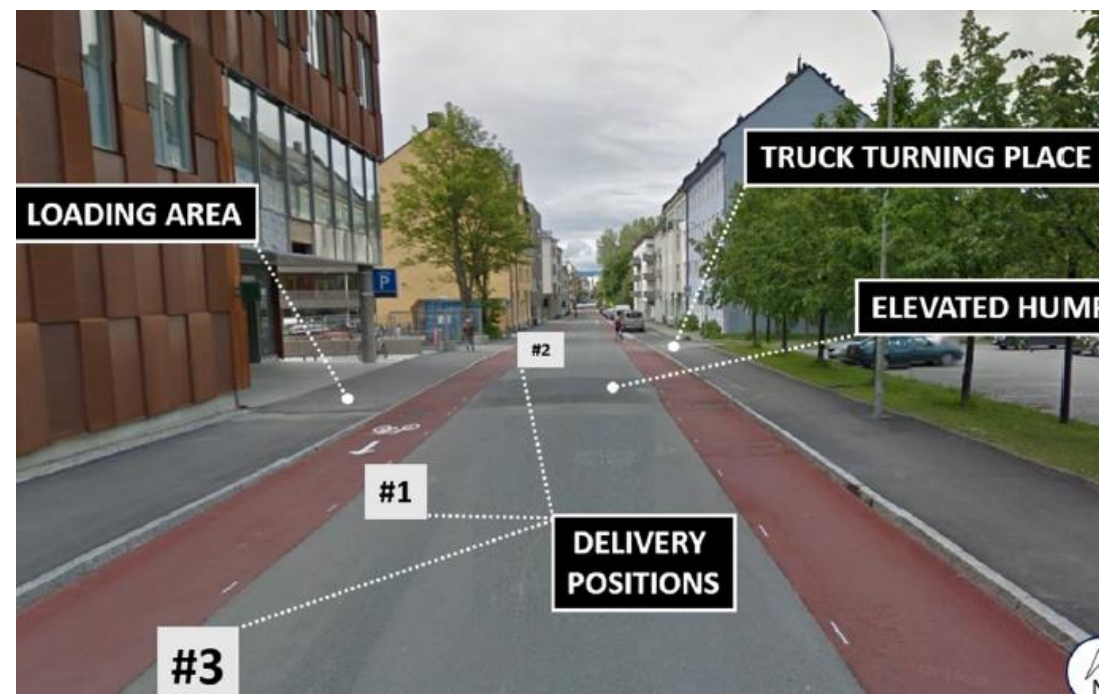
By Byron Kaye





# A pallet of changing jobs...



Pictures sources: <https://www.bbc.com/news/technology-47160448>; <https://www.grimsbytelegraph.co.uk/news/jobs/fancy-job-postman-funeral-arranger-3837946>; <https://corporate.target.com/careers/store-distribution/distribution-center-hourly>; <https://www.bluearrow.co.uk/featured-employers/royal-mail/personal-specification/postman-postwoman>; <https://www.thevaninsurer.co.uk/van-insurance/product/convicted-driver-van-insurance/>; <https://www.shopify.com/blog/best-ecommerce-platforms>  
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# What does the research say?

## The new in-demand jobs: delivery drivers and tax specialists

The pandemic created dramatic shifts and new opportunities in the jobs market worldwide



## FREIGHT TRANSPORT FOR DEVELOPMENT TOOLKIT:

### Urban Freight



DFID  
Department for  
International  
Development

Laetitia Dablanc



## #HereToDeliver: Valuing food delivery workers in the future



EUROPEAN TRANSPORT  
WORKERS' FEDERATION



GOOGLE TRANSLATE  
SELECT LANGUAGE ▼

SEARCH

**ETF's take on the Digital Services Act: 'Platform work requires more attention!'**

<https://blog.policy.manchester.ac.uk/health/2020/06/heretodeliver-valuing-food-delivery-workers-in-the-future/>; <https://www.ft.com/content/6bd2feb3-39af-4f6e-9875-c9be0bdd0474>; <https://www.etf-europe.org/etfs-take-on-the-digital-services-act-platform-work-requires-more-attention/>; <https://thedocs.worldbank.org/en/doc/899601433866450683-0190022009/render/UrbanTransporturbanfreight.pdf>  
[www.polisnetwork.eu](http://www.polisnetwork.eu)

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# Trends

What are the main trends in freight, in regard to its role in sustainable mobility?

How are these trends affecting the workforce?



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*Susana Val*

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Technology will be (light) electric vehicles and based on containerisation. Public private partnership in using traffic data for planning (ITS).

Collaboration in white label hubs.

*Walther*



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*Walther*

Urban air mobility, autonomous mobility, technological optimization and updated delivery systems in low emission zones. Loading/unloading zones as well as focus on e-commerce. We will see more collaboration with industry for distribution centres

*Lola*



## **Poll Question**

**What are the key words that, for you, define urban freight of the future?**

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Driver communication skills , operational planning skills disappear, data driven, collaboration, using open (traffic) data. Technical engineering skills in transport technology.

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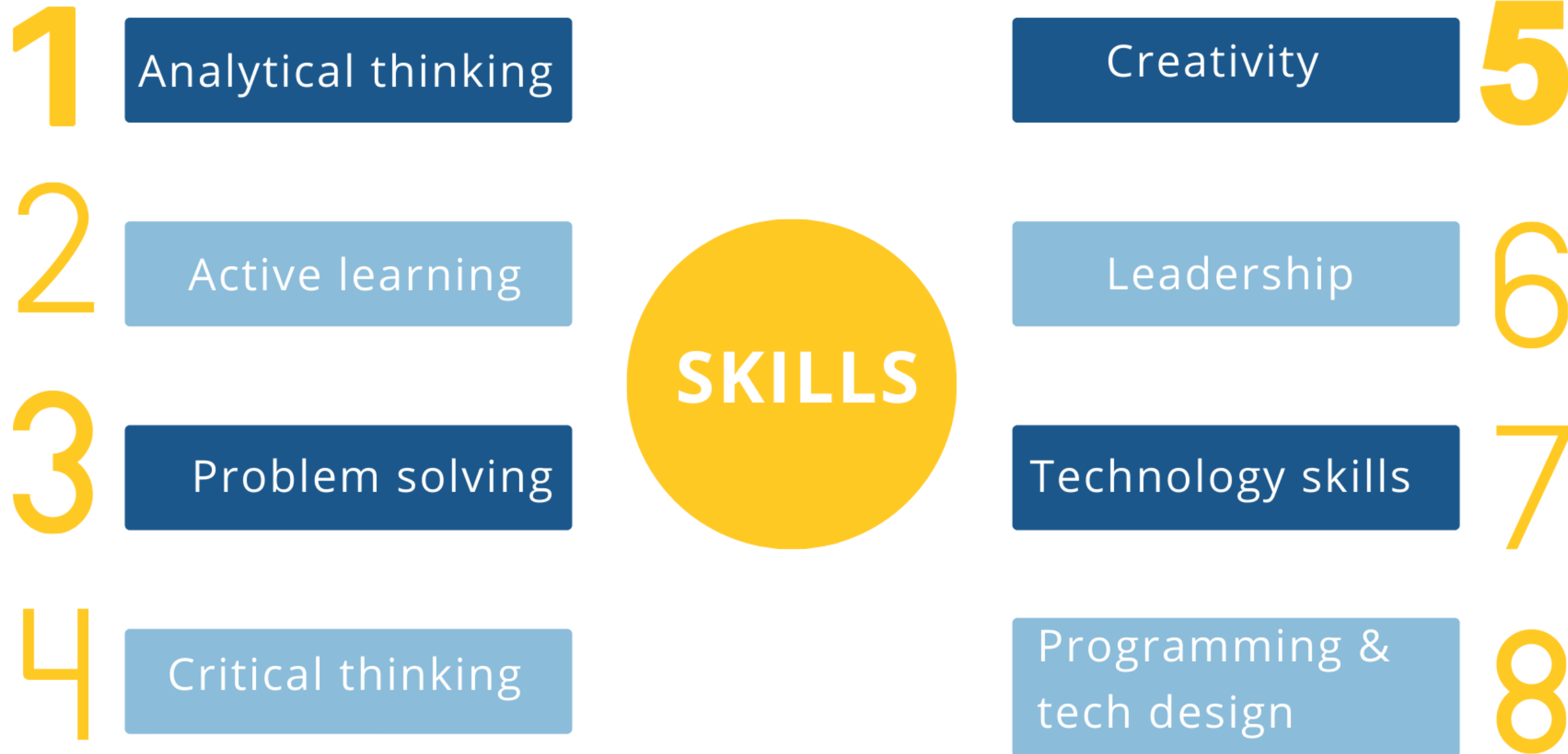
E-commerce has led to a transformation, demanding new unskilled workers. However, traditional delivery work within the city will change. It is a job opportunity, but it should be regulated. Additionally, more tech workers will be required.

*Lola*



# Poll Question

The World Economic Forum says these are the most important skills for the future workforce. Do you agree? Which one do you think are the most important for urban freight? Put the number in the chat.



# Filling the gaps

What gaps are these changes causing in current competences and skills?



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Little research is done on the future 'driver'.  
There is a lack of professional urban freight planners.  
Lack of knowledge of warehouse engineers.

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*Walther*

There are gaps in regulation. Local authorities should lead this. Agreements with the logistics sector are needed to promote urban distribution centres close enough to the destination but far enough away from residential area.

*Lola*



# Poll Question

**Do you see any additional gaps?**



# **Future job profiles?**

# **What will we need?**





### **CO2 appraiser**

By 2035 this position will be created, in charge of measuring the CO2 from fleets. They would report periodically to the government on emissions.



### **Neutral last mile delivery**

This operator ensures the optimization of final delivery in urban areas, ensuring low carbon options are deployed effectively.



### **Controllers of autonomous drones**

control the air space and the routes of the drones, managed by public administration, local or regional administrations.



# **What is next?**

## **What else would you like to see discussed?**



# Join us at the POLIS Annual Conference where conversations on human resources continue!

9.00 -  
10.30

PARALLEL  
SESSIONS

1

## 1B. TRAFFIC MANAGEMENT OF THE FUTURE

Chair: Yvonne van Velthoven-Aarts, Province of Noord-Brabant

- **Trafik Göteborg – A joint organisation for proactive traffic management during the intense construction period for the City of Gothenburg**

Lilia Bidar, City of Gothenburg & Pernilla Fransson, Swedish Transport Administration

- **Renewal of the traffic manager role: Experiences from the Province of North-Brabant**

Nina Nesterova, Breda University of Applied Sciences & Joris Broekmeulen, Province of Noord-Brabant

- **Air pollution control through environmentally oriented traffic and mobility management**

Christian Seidel, VMZ

- **Collaborative ITS for cycling: Potential and opportunities in traffic management**

Else Tutert, Province of Overijssel





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1-2 DECEMBER 2021 GOTHENBURG, SWEDEN