

CALL FOR PAPERS
International Geographical Union
Paris, 18-22 July 2022
Sponsored by the IGU Transport & Geography Commission

Geographical Impacts of Urban and Metropolitan Logistics: mobilities of e-commerce, warehousing, logistics real estate, urban freight

Heleen Buldeo Rai, Université Gustave Eiffel, Email: heleen.buldeo-rai@univ-eiffel.fr
Laetitia Dablanc, Université Gustave Eiffel, Email: laetitia.dablanc@univ-eiffel.fr
Adeline Heitz, Conservatoire National des Arts et Métiers (CNAM), Email: adeline.heitz@lecnam.net
Matthieu Schorung (corresponding organizer), Université Gustave Eiffel, Email: matthieu.schorung@univ-eiffel.fr

The evolution of consumer practices and logistics chains, particularly through online commerce, is increasing the need for transportation in dense metropolitan areas and the need for warehouse land in peripheral as well as urban areas. Over the past decade, urban logistics has taken off in full swing aiming to meet business and consumer demand while providing solutions to concerns about the environmental and urban impacts of freight transport (Dablanc 2018). Real estate in particular is subject to major changes driven by complex spatial processes (logistics sprawl to peripheral areas, deployment at the megaregion scale, recent trends of urban warehouses and logistics hubs) (Heitz et al., 2019). In dense areas, the demand for logistics real estate is growing, in order to respond to new forms of consumption (e-commerce, instant deliveries, click&collect) (Dablanc, 2018). The analysis of recent developments in urban logistics real estate relies, in many scientific works, on the analysis of trends in the spatial location of logistics warehouses (from XXL warehouses in peripheral areas to new local logistics points in dense urban areas as part of a strategy to optimize last-mile logistics) (Bowen, 2008; Heitz, Dablanc, 2015; Giuliano, Kang, 2018; Xiao, Uan, Sun, Sun, 2021).

The notion of logistics real estate is polysemous and covers a variety of strategies and innovations around the world (Morganti et al., 2014; Dablanc et al., 2018; Patier and Toilier, 2018; Buldeo Rai et al., 2019). The variation in urban logistics real estate models can be examined according to various indicators: the phase of the supply chain (e.g., between the end of the long haul and the beginning of the last mile, between the last mile and the customers’); functions (e.g., logistics functions such as storage, consolidation, shipping, cross-docking, or returns management; commercial or service functions); the architectural design and territorial implementation (location, positioning in relation to transport networks, multimodality); the actors involved (large specialized companies, logistics subcontractors, end customers, gig delivery workers); the adequacy with public policies at local or regional levels (decarbonization, low emission zones, cyclo-logistics, zoning favorable to urban logistics); the historical development of cities (urban sprawl, suburbanization, location of economic activities).

A number of issues are particularly important for the evolution of urban and metropolitan logistics and urban freight throughout the world. Potential topics for this paper session include:

- Mobilities of e-commerce and their territorial impacts
- New forms of distribution (superfast grocery stores, subscription models, etc.)
- Changes in demand
- Urban form and metropolitan logistics
- Geography of warehousing
- Sustainability and other environmental impacts
- Urban logistics, planning and public policies
- Regional and metropolitan planning
- Economic models of urban logistics and warehousing
- Comparative perspectives of urban logistics
- Etc.

Please provide your paper title, author(s), affiliations and email addresses, a 200 word Abstract including methods and research objectives and up to 5 keywords, and send this information to each of the session organizers by the **9th of July 2021**.

Timeline:

- 9 July 2021: abstract submission to the conveners
- 19 July 2021: feedback to authors
- 31 July 2021: session submission by the conveners to the conference team

- 31 August 2021: notification of session acceptance

Bowen J.T. (2008). Moving places : the geography of warehouses in the United States, *Journal of Transport Geography*, 16, 379-387.

Buldeo Rai, H., Verlinde, S., Macharis, C., Schoutteet, P. et Vanhaverbeke, L. (2019). Logistics outsourcing in omnichannel retail: State of practice and service recommendations. *International Journal of Physical Distribution & Logistics Management*, 49(3), 267–286.

Dablanc, L., Ogilvie, S. et Goodchild, A. (2014). Logistics Sprawl: Differential Warehousing Development Patterns in Los Angeles and Seattle. *Transportation Research Record: Journal of the Transportation Research Board*, 2410, Washington D.C.

Dablanc, L. (2018). E-commerce trends and implications for urban logistics. In M. Browne, S. Behrends, J. Woxenius, G. Giuliano et J. Holguin-Veras (Eds.), *Urban Logistics: Management, Policy and Innovation in a Rapidly Changing Environment* (pp. 187–195). Kogan Page Publishers.

Dablanc, L., Rouhier, J., Lazarevic, N., Klauenberg, J., Liu, Z., Koning, M., Kelli de Oliveira, L., Combes, F., Coulombel, N., Gardrat, M., Blanquart, C., Heitz, A., & Saskia Seidel. (2018). *Deliverable 2.1 CITYLAB Observatory of Strategic Developments Impacting Urban Logistics*.

Giuliano G., Kang S. (2018), Spatial dynamics of the logistics industry: Evidence from California, *Journal of Transport Geography*, 66, pp. 248-258.

Heitz, A., Launay, P. et Beziat, A. (2019). Heterogeneity of logistics facilities: an issue for a better understanding and planning of the location of logistics facilities. *European Transport Research Review*, 11(5).

Heitz A., Dablanc L. (2015). Logistics Spatial Patterns in Paris. Rise of Paris Basin as Logistics Megaregion, *Transportation Research Record: Journal of the Transportation Research Board*, 2477, Washington D.C.

Morganti, E., Seidel, S., Blanquart, C., Dablanc, L., & Lenz, B. (2014). The Impact of E-commerce on Final Deliveries: Alternative Parcel Delivery Services in France and Germany. *Transportation Research Procedia*, 4(0), 178–190.

Patier, D., & Toilier, F. (2018). Urban Logistics Spaces: What Models, What Uses and What Role for Public Authorities?, *City Logistics*, 2, 1–21.

Xiao Z., Uan Q., Sun, Y., Sun X. (2021). New Paradigm of Logistics Space Reorganization: E-commerce, Land Use, and Supply Chain Management. *Transportation Research Interdisciplinary Perspectives*, vol. 9, Mars 2021, 100300.