

THE PROJECT METROFREIGHT
URBAN FREIGHT IN PARIS, NEW YORK, LOS ANGELES AND SEOUL (2013-2017)

MetroFreight (2013-2017) is an urban freight research consortium led by USC (University of Southern California, Professor Gen Giuliano) with the KOTI (Korean Transport Institute), the University Transportation Research Center (UTRC, including Columbia University and City College of New York) and IFSTTAR.

Local institutional partners are involved with each university. IFSTTAR counts among its partners key organizations that include the Ile de France Region, the City of Paris, the DRIEA, IAU and the Apur. They join the city of New York, the city of Seoul, Korea and the City of Los Angeles in the communities involved.

The project is funded by VREF, Volvo Research and Education Foundations. VREF has created a dozen Research centres worldwide on the subject of urban transport for the future.

MetroFreight is built around the theme of very large metropolitan areas and is interested in economic and environmental issues, and governance of urban freight for these territories. Six areas of research are conducted in parallel and in a comparative approach:

1. Data and statistics, Atlas of urban freight, leader: UTRC
2. Public policies and impact on the transport of urban freight, leader: USC
3. The last miles, leader: IFSTTAR
4. Freight/passengers interactions, leader: USC
5. Spatial dynamics, logistics planning, leader: UTRC
6. The behaviour of consumers and producers, leader: UTRC

NEWS AND EVENTS

- The Paris MF team welcomes two new members starting October 2014. Gwenaelle Raton will work on short circuits and food logistics in the project, and Pierre Camilleri begins a PhD on the subject of electric vehicles (CIFRE contract with Renault).
- Emilie Gaubert has left the team to take a position at CEREQ Marseille. A big friendly good-bye and all our wishes for her future work.
- Transportation Research Board (TRB) Annual Meeting 2015: Dablanc L., A. Montenon, A. Heitz and A. Beziat visited Washington D.C. from January 11 to 15, 2015. They presented several papers including "Impacts of environmental access restrictions on freight delivery activities", "Logistics Spatial Patterns in Paris: The Rise of The Paris Basin as a Logistics Mega Region," a poster on the parking of delivery vehicles in Paris ("Parking for Freight Vehicles in Dense Urban Centres: Issue of Delivery Areas in Paris"). M. Koning and A. Conway also presented a poster on cargo bikes ("Biking is good for goods: an assessment of CO2 savings in Paris"). While at TRB, everyone attended a MetroFreight meeting.
- Laetitia Dablanc contributed to meetings organized by the city of Belo Horizonte, Brazil, on urban freight, as part of the European project SOLUTIONS and METROFREIGHT, from March 17 to 21, 2015. The preparation of a longer-term cooperative agreement between the City of BH and IFSTTAR on the theme of urban logistics was decided on this occasion.



A 9 axle truck on the ring-road of Belo Horizonte, Brazil, March 2015

- Adrien Beziat attended FRETURB software training led by Jean-Louis Routhier, Florence Tollier and Mathieu GARDRAT, from the Laboratory of Transport Economics in Lyon on March 19 and 20. This training has made it possible for him to acquire a better theoretical understanding of the software and its links with urban Freight Surveys.
- The LET and the Ile-de-France region have published a brochure on “Urban Goods Transport Survey” that presents the methodology and initial results (see p.4).
- City Logistics 2015 conference will be held from June 19 to 21 in Tenerife. Dablanc L., A. Montenon, A. Heitz and A. Beziat will present the results of recent research.
- 2015 International Urban Freight Conference (I-NUF) will be held from October 21 to 23, 2015 in Long Beach. The Paris MF team members plan to submit and present their work. To participate, abstracts should be sent before June 1 (see p.5).

Ile de France urban logistics symposium March 5, 2015, Paris

The Region Ile-de-France held a conference on March 5, 2015 on the theme of urban logistics. The work carried out under the MetroFreight project was the subject of a presentation to 200 people from public, local government institutions, regional and logistics professionals and transportation, alongside their partners: the Institute for Urban Planning and Development of the Region (IAU) and the Transport Economics Laboratory (LET).

Ile-de-France presented various works and experiences on virtuous models for urban logistics. Pierre Serne (Vice-president responsible for transport and mobility, Regional Council) Sabine Gourlet (Director of Transportation Regional Council) and Fabien Seiraidarian (in charge of a survey on sub-contracting in urban freight operations) also participated. Representatives of the cities of Paris, Nanterre and Saint-Ouen presented several experiments:

- Porte de Pantin: available parcels of urban land are being neglected and could be used for developing innovative last mile logistics.
- Downtown Nanterre: creating an urban logistic space (ULS).
- Saint-Ouen: exhibited their project site transforming a former paper mill into a logistics space.

Secondly, IAU, LET and IFSTTAR presented their research in the field of urban logistics. It was an opportunity for IAU to present the first uses of the results of the Paris urban freight survey particularly through the work of Adrian Beziat on the problem of urban delivery vehicle parking, as well as the launch of a study on e-commerce.

The LET introduced a new vision of the Paris region through a work on local territorial profiles according to their main economic activities, as well as new results on the mobility of goods in the region in terms of vehicles, freight flows, or types of companies offering home delivery services.

The IAU also presented its draft study on the movements of heavy goods vehicles in partnership with DRIEA (PL-ESTIM project) which is expected to make estimates on truck traffic in the region.

The team then made a review of MetroFreight works, presentation provided by Michel Savy:

- Quantifying the use of cargo-cycles in Paris and associated CO2 gains (M. Koning)
- Alternative solutions in home deliveries in Seine-et-Marne (E. Morganti)
- Low Emission Zones experiments in Europe (Dablanc, Montenon)
- Logistics sprawl in cities (A. Heitz)



JL Routhier (LET), E. Gouvernal (IAU), Mr Savy (SPLOTT / IFSTTAR)

Volvo Research and Educational Foundations Meeting March 2015, Gothenburg

VREF with the help of the Swedish Urban Freight Platform (Chalmers and Gothenburg University) and two research centres on urban freight (METROFREIGHT and SUFS), organized an international conference on urban freight on March 4, 5 and 6, 2015.

The first day was reserved for researchers and academics interested in the theme. Working groups reflected on statistical data and the evaluation of public policy on urban goods transport. During the following two days, professionals (Swedish and foreign communities, local businesses) and researchers gathered from both MetroFreight centres (Dablanc Giuliano, Montenon, Morganti) and SUFS (Browne, Holguin Veras, Wojtowicz).



Maria Lindholm (Chalmers University) and Michael Browne (University of Westminster), the conference organizers
VREF in Gothenburg
March 4, 5 and 6, 2015

Two themes were chosen by the organizers: freight in long-term planning strategies; and consultation with stakeholders. Laetitia Dablanc presented an analysis of the role of freight transport in Ile de France three Master plans recently approved (SDRIF, PDUIF and SRCAE). This analysis was performed with Marie Bocquentin (intern) for the VITE project (ANR) and for MetroFreight. Greater Lyon (Diana Diziain), Berlin (Julius Menge) and Greater London

(Ian Wainwright) made noticed interventions on the policies of these three cities concerning urban freight and urban logistics.



Greater Lyon has set out a partnership with the private sector. Diana Diziain (Lyon) discussing on stage with Philippe Gache, LUTB and Dominique Mamcarz, TNT

All presentations are available from:

<http://www.chalmers.se/en/centres/lead/urbanfreightplatform/vrefconference/presentations/Pages/default.aspx>