

# FREVUE

## Final Conference

---

**21 June 2017, 9.00-17.30**

Hosted by the  
City of London Corporation  
The Livery Hall  
Guildhall  
London EC2V 7HH



This project has received funding from the European Union's Seventh Framework Programme for research; technological development and demonstration under grant agreement no 321622.

---

# Programme of events

9:00-9:30 Registration

---

## MORNING SESSION

---

**9:30-9:45**      **Welcome**  
Taking the lead in improving air quality.

**Wendy Hyde**  
Chair, Cross River Partnership  
Elected Member, City of London Corporation

**9:45-10:00**      London's transport and air quality strategy: A role for electric freight vehicles.

**Oliver Lord**  
Greater London Authority

**10:00-10:15**      **FREVUE:** Deploying 80 electric freight vehicles across Europe. What have we learnt?

**Tanja Dalle-Muenchmeyer**  
Cross River Partnership  
Westminster City Council

**10:15-11:00**      **Technical:** Are electric freight vehicles suitable for urban logistics?

**10:45:** Moderated discussion with fleet operators.

**Terje Tretvik**  
SINTEF

**Catherine Löfquist**, **Bring Marie-Jose Baartmans**, **Jeroen Baartmans**, Breytner Transport

---

## 11:00-11:30      COFFEE

---

**11:30-12:15**      **Economics:** Can the deployment of electric freight vehicles be economically viable?

**12:00:** Moderated discussion with fleet operators.

**Hans Quak**, TNO  
**Birgitte Keulen**  
European Investment Bank  
**May Lopez**, SEUR, DPD Group  
**Nuno Sardinha**, EMEL, Lisbon  
Mobility and Parking

**12:15-13:00**      **Social and environmental:** Benefits and impacts of electric freight vehicles in urban logistics. Let's look at the evidence.

**John Polak** and **Yanjie Dong**  
Centre for Transport Studies  
Imperial College London

---

## 13:00-14:15      NETWORKING LUNCH

---

*Electric Freight Vehicles on display in the Guildhall Courtyard*

---

---

## AFTERNOON SESSION

---

**14:15-15:15**      **Policy and governance:** What changes are required?

**14:45:** Moderated discussion with policy stakeholders

**Nina Nesterova**, TNO  
**Tim Ward**, Transport for London  
**Sture Portvik**, The City of Oslo

**15:15-15:45**      **Case study:** How FREVUE shaped long-term vehicle policy at UPS London

**Peter Harris**, UPS

**15:45-16:00**      **Looking forward:** Declaration of Intent  
Guidelines and recommendations

**FREVUE City Leads**  
**Tanja Dalle-Muenchmeyer**  
Cross River Partnership  
Westminster City Council

**16:00-17:30**      *You are cordially invited to the networking reception to meet with presenters, stakeholders and your peers*  
*Drinks and canapés*

---

FREVUE provides evidence on how innovative solutions using electric freight vehicles can help to achieve emission free city logistics.

For more information visit: [www.FREVUE.eu](http://www.FREVUE.eu)

---

# Speakers



**Councillor Wendy Hyde**, *The City of London Corporation – Cross River Partnership Public Sector Co-Chair*

Wendy currently serves on the City of London Corporation Policy and Resources, Finance, Port Health and Environment, Culture, Heritage and Libraries Committees, as well as the Board of the Barbican Arts Centre. She is a Trustee of Blind in Business; a charity which helps blind and partially sighted graduates find proper graduate employment, and has held this post since 2014. She is also the Immediate Past Master and Chairman of the World Traders' Charitable Trust. She is a former Member of the DTI London and South East Regional Industrial Development Board which advised on the award of development grants (Selective Finance for Investment in England) and has previously held posts with Bank of England, most recently as Agent for Greater London.



**Oliver Lord**, *Greater London Authority, Deputy Air Quality Manager*

Oliver is Deputy Air Quality Manager at the Greater London Authority. He leads on a number of the Mayor's initiatives to cut vehicle emissions in the Capital, including public transport requirements, road user charging and alternative fuels.

Before this he worked at Transport for London, where he delivered several projects and initiatives to encourage sustainable travel. Most recently, he was responsible for developing environment transport strategy and policy, including the Ultra Low Emission Zone. He has previously specialised in Environmental Psychology at the University of Surrey



**Tanja Dalle-Muenchmeyer**, *Cross River Partnership, FREVUE Co-ordinator*

Tanja is the Electric Freight Programme Manager at Cross River Partnership in London. She currently coordinates FREVUE and is a project partner in Smart Electric Urban Logistics (SEUL) which provides an innovative set of solutions for smart charging of electric freight vehicles. Prior to joining Cross River Partnership in 2015, Tanja worked in the financial sector and then spent eight years providing public and private sector organisations with consultancy services on a wide range of sustainability issues. Much of this work focussed on environmental policy design, assessment and implementation for institutions such as the European Commission and the European Environment Agency.



**Terje Tretvik**, *SINTEF, Senior Research Scientist*

Terje was a planning officer at the Norwegian Public Roads Administration and lecturer in transportation planning at NTNU, before becoming a Senior Research Scientist at SINTEF. Transportation planning, modelling and analysis are Terje's specific fields of expertise.

He obtained a PhD developing logic models for transportation planning and has worked part time on a post-doctoral scholarship on freight transport and logistics. He has broad experience in international collaborative work through participation in the NECTAR network of the European Science Foundation and several EU projects including: GAUDI, MIRO, CONCERT, PROGRESS, principal co-ordinator CUPID (evaluation of urban road charging schemes), DIFFERENT and CURACAO (a project aimed at supporting the implementation of urban road user charging as a demand management tool in urban areas). Terje is co-author of D2: State of the Art Review and evaluation reports for Norwegian cities. He was also project manager for GAZ (Green Activity Zones), a three-year research project for The Research Council of Norway. Since 2013 he has been a member of the team of scientific partners in FREVUE, with special responsibilities for data collection and evaluation of the technical suitability of EVs for logistics.



**Jeroen and Marie-José Baartmans**, *Breytner, Owners of Breytner*

Breytner is Europe's first 'core business' Zero Emission Transport company. With a background in their family transport company, transport and logistics has always played an important role in their lives. The brother and sister team launched Breytner in 2016 in the City of Rotterdam.

With a combination of a HUB and swap body solution, Breytner meets the needs of companies that are located further away from major cities but still want to deliver their goods without emissions or noise in these inner cities. By splitting up the first mile (conventional) and last mile (full electric) and using swap bodies that are being handled at several HUBS, a new innovative logistical model has been developed.

The Zero Emission B2B and B2C city deliveries are made for fashion retailers, furniture retailers and facility management service companies. Four 19-tonne fully electric distribution trucks are in daily operation in the area of Rotterdam. Breytner has a 'proof of concept' with a business case equivalent to diesel efficiency. The daily operation is monitored to make sure that the trucks' performances are

optimised. With a long-term vision on sustainable transport solutions the Baartmans prove that zero city logistics is already possible.



**Catherine Löfquist, Sustainability Manager, Bring**

Catherine has worked on environmental issues in the transport industry since 1999. Further to this she has worked in road safety, dangerous goods, crisis management, and security (aviation safety). She has several years of experience with alternative fuels from a user perspective. Catherine sits on the board of Network for Transport Measures (NTM) and is a member of the environmental group in transport companies / transport industry federation. She is Chairman of the Arlanda Logistics Network Environmental Group and has experience working on several environmental and city logistics projects, these include: FREVUE, SAMTRA (city logistics), Ecotell (emission data), and Future Trade (a government initiative). Catherine is interested in the mechanisms that drive society's development.



**Hans Quak, TNO, Senior Scientist**

Hans is senior scientist at TNO (the Netherlands). His focus area is urban freight transport and sustainable logistics. Hans is involved (as Work Package leader) in the EU projects FREVUE, Straightsol, and CityLog. Alongside these European projects, he advises Dutch cities and authorities, including the city of Rotterdam and the Ministry of Infrastructure and Environment, on city logistics matters. He recently co-authored 'Outlook City Logistics 2017' looking at how the application of new low-/zero-emission technologies, energy sources, supply-chain designs and policy regimes can contribute to reaching zero emission city logistics and climate agreements.

In his PhD research Hans focused on urban freight transport, urban access restrictions, sustainability, and retail logistics. Hans obtained his Ph.D thesis 'Sustainability of Urban Freight Transport' in March 2008 and has published several papers on city logistics, including contributions in international top journals, such as Journal of Operations Management (best paper 2007 finalist award), and Transportation Science.



**May López Díaz, SEUR, Corporate Social Responsibility Manager**

May is involved in European sustainable mobility projects such as FREVUE and is leading projects at a national level, such as the pioneering project in Spain to trial the first dual Diesel-CNG transformed delivery van.

May holds qualifications in chemistry, a Masters in Corporate Sustainable Responsibility (CSR), and teaches at Universidad Europea de Madrid, in the Master in Logistics and SCM programmes. She is a technical collaborator of several work groups of the CONAMA Foundation (Electrical Mobility, Carbon Sinks and their role for climate neutrality, and Mobility to work). May also leads the innovative DrivingChange™ program in Spain developed by DPD group (second operator of the European express transport market).

May has extensive experience as a speaker on issues of sustainable mobility, carbon footprint calculation, CSR strategy and energy efficiency in logistics and distribution in forums such as: Smart Cities and Sustainable Development organised by CIRDSE, Day on Waste Prevention organised by the CONAMA Foundation, VII Encounter on Corporate Social Responsibility organised by Expansión, SIL 2016 in collaboration with the LIVE Platform, Logistics, Empack and Packaging Innovations Madrid 2016 in collaboration with PEFC, and International Women's Week organized by FWW, among others.



**Nuno Sardinha, EMEL, Project manager**

Nuno holds an MSc in International Economics from the ISEG Lisboa School of Economics and Management, an Advanced Management Program qualification in Transportation from the Católica Lisbon School of Business and Economics, a Post Graduate in International Business, and a Degree in Economics.

He is currently Project Manager in Planning, Management Control and Innovation at the Department of EMEL a Lisbon Mobility and Parking Municipal Company, and is involved in day-to-day management of EU funded projects on urban mobility, e-mobility, inclusive mobility, smart cities and urban logistics: EVUE, SIMON, FREVUE, DOROTHY, STRAIGHTSOL and Sharing Cities.

Nuno has previously worked at the ANAC the Portuguese Civil Aviation Authority and was involved in developing the Portuguese regulation of airports and air navigation services, and the AICEP Portugal Global a Trade and Investment Agency, the government business entity to promote the foreign investment in Portugal and the internationalisation processes of Portuguese Companies.



**Birgitte Keulen**, *Coordinator of CleanTransport Facility, European Investment Bank (EIB)*

Birgitte holds a Master's degree in Civil Engineering, and European and International Public Law alongside a Bachelor's in Economics and Business Economics. She has worked in the past as auditor, advisor and financial director at Dutch consultancy firm Horvat on non-routine assignments for large infrastructure projects in the transport and water sector. Following this she worked for a number of start-ups as an advisor. In early 2015 Birgitte started in the Urban Mobility division of the EIB projects directorate. She is the coordinator of the Cleaner Transport Facility (CTF). The CTF is a new initiative to support the deployment of alternative fuels in the transport sector. *For more information see: [eib.org/infocentre/publications/all/cleaner-transport-facility](http://eib.org/infocentre/publications/all/cleaner-transport-facility)*



**John Polak**, *Centre for Transport Studies, Imperial College London, Professor*

John Polak is Professor of Transport Demand and Director of the Urban Systems Laboratory, Imperial College London and Honorary Professor of Intelligent Transport Systems at South East University in Nanjing, China.

Professor Polak is a mathematician by background with over 30 years of experience in transport research, specialising in the areas of mathematical and statistical transport modelling and analysis. He is a member of the Mayor of London's Smart London Board, a Member of the Department for Transport's Strategic Roads Reform Expert Group and a member of the British Standards Institute Advisory Committee on Smart Cities Standards. He has served as an advisor to central and local government and industry on a wide range of transport issues, both in the UK and overseas. Professor Polak has been in the forefront of innovative transport model development in the UK for a number of years and has published extensively on a number of aspects of travel demand modelling, network performance estimation, network control and traffic management and intelligent transport systems. Much of his recent research has been concerned with the collection, analysis and interpretation of very large scale real-time datasets related to operational, behavioural, attitudinal and environmental aspects of urban infrastructure systems and services.



**Yanjie Dong**, *Centre for Transport Studies, Imperial College London, Researcher*

Yanjie Dong is a researcher based at Centre for Transport Studies, Imperial College London. Prior to joining Imperial College in 2013, he had more than five years' experience working for a number of engineering consultancies, including Hyder Consulting (now Arcadis UK) and Mouchel Group.

He has extensive experience in strategic transport modelling, environmental impact analysis, statistical modelling and data analytics. He has been a key contributor to several high-profile modelling projects, including the M25 Widening, M3/M4 Managed Motorway, Dartford Free Flow Charging and West London Highway Assignment Modelling, where he was heavily involved in SATURN model development, matrix estimation, model calibration and validation and economic appraisal.

Recently he has developed a strong interest in electromobility and smart cities, and has been a key investigator in a number of European Union projects, including FREVUE, CELSIUS City and Sharing cities. Yanjie is completing a PhD at Imperial College, working with Professor John Polak, to develop a new framework and methodologies for short-term disaggregated level travel demand prediction.



**Nina Nesterova**, *Scientist/Researcher, TNO*

Dr. Nina Nesterova is an expert on sustainable city logistics within TNO. She has a PhD on international transport. Nina has more than 10 years' experience, working in transport economics within organisations including the Russian Academy of Sciences, the World Bank, and European Commission bringing together the expertise from public authorities, private sector, and academia. At TNO Nina specialises in the policy and economics matters of sustainable freight transport and logistics, GHG emission reduction and sustainable urban transport. For the past several years she had specifically been working in the field of electromobility and on the transition to zero emission cities.



**Tim Ward, Transport for London, Freight and Fleet Communications and Engagement Manager**

Tim joined TfL's Freight and Fleet team in October 2013 and leads on Engagement and Communications with all those involved in servicing and delivery in London.

A stakeholder engagement specialist, he has worked for TfL since 2002, holding a series of roles across the organisation, covering both political and business engagement, as well as during special events such as the London 2012 Olympic and Paralympic Games and the visit of the Tour de France.

---



**Sture Portvik, City of Oslo, Project leader EV and Electro mobility**

Sture is a project leader for the municipality of Oslo with an expertise in electric vehicles and electromobility. Sture holds a Master in political science, and a bachelor in macroeconomics and communication with a specialisation in East Asia economic policy.

Prior to his current role, Sture had different professional experiences and positions, including Head of Communications at the Munch Museum, Deputy Manager Art and Culture, Manager Sponsorships Arts and Sports, Advisor Tourism and Business Development, and Advisor at the Korea Trade and Investment Promotion Agency (KOTRA).

---



**Peter Harris, UPS, Sustainability Director for Europe**

Peter holds a Masters degree in Engineering from Cambridge University, he is a chartered Engineer (CEng) and Member of the Institution of Mechanical Engineers (MIMechE). After two years as a volunteer agricultural engineer with Voluntary Service Overseas in Indonesia, where he developed better ways of storing rice, Peter joined London Transport for four years.

He joined UPS 28 years ago and has held various positions including UK Automotive Director (six years), UK Industrial Engineering Director (two years), five years on assignment to Corporate Compliance developing and implementing a system to manage regulatory compliance outside the U.S. and Sustainability Director for Europe, his current position since 2010.

# FREVUE Partnership

---

## COORDINATION

---



---

## CITIES AND AUTHORITIES

---



---

## RESEARCH AND SUPPORT PARTNERS

---



---

## LOCAL DEMONSTRATION PARTNERS

---



