



EUROPEAN ALLIANCE TO
SAVE ENERGY
Creating an Energy-Efficient Europe

WORKSHOP

IMPACTS OF ELECTRIC VEHICLES ON THE FUTURE ENERGY SYSTEMS AND THE ROLE OF ENERGY EFFICIENCY

28 MAY 2018
SCIENCE 14, BRUSSELS



CONCEPT

The goal of the workshop is to better understand electric vehicles' (EV) impact on the energy transition and which are the interrelations and synergies with energy efficiency (EE).

The findings of the workshop will help EU-ASE to define new potential areas of interest and assess new strategic partnerships.

The workshop should provide inputs on the following questions:

- i. **Which is the impact of EVs on meeting the Paris Agreement objective?**
- ii. **How EE and EVs interact?**
- iii. **Which are the possibilities of EVs integration with smart buildings?**
- iv. **How EVs interact with smart grids?**

MODERATOR

Mathieu Brun, Danfoss



AGENDA

- 10 :00 – 10 :05** Welcome address
- 10 :05 – 10 :25** European Commission's insights
Kai Tullius, European Commission
- 10 :25 – 10 :45** Stakeholders perspective
Pete Harrison, ECF
- 10 :45 – 11 :05** IEA perspective on EE-EV
Sacha Scheffer, IEA
- 11 :05 – 11 :25** Buildings paving the way for EV revolution
Harry Verhaar, Philips Lighting
- 11 :25 – 11 :45** Coffee break
- 11 :45 – 12 :30** Q&A
- 12 :30 – 12 :40** Summary of discussion, closing remarks and next steps
Monica Frassoni, EU-ASE President
- 12 :40 – 13 :30** Closing of the workshop and networking lunch



SPEAKERS

KAI TULLIUS



Kai Tullius joined the Directorate General for Energy at the European Commission in 2006, where he currently works as a policy officer on retail markets. Among others he works on demand response, active consumers and electromobility and he follows the roll out of smart metering systems in Member States. Kai has a Masters degree in Economics.

PETE HARRISON



Pete Harrison is the Programme Director for Transport at the European Climate Foundation (ECF), where he has worked since 2011. He manages a portfolio of grants aimed at contributing to the transition to a more sustainable mobility paradigm. Prior to that, Pete was the EU Energy & Environment Correspondent for the International news agency Reuters, responsible for covering all aspects of EU energy policy and geopolitics since 2008. This followed on from 8 years in Reuters' London bureau, covering equity, debt and commodity markets.

HARRY VERHAAR



Harry Verhaar has over 20 years of experience in the lighting industry and is Head of Global Public & Government Affairs for Philips Lighting. He is responsible for the strategy, outreach and stakeholder management on energy & climate change, resource efficiency and sustainable development, with a key focus on the role of the LED lighting revolution. He is an active member of a number of partnership and stakeholder networks, among which The Climate Group; Regions20 and the World Green Building Council. He is current Chair of the European Alliance to Save Energy.

SACHA SCHEFFER



Sacha Scheffer is one of the co-authors of the Nordic EV Outlook 2018 and the Global EV Outlook 2018. He is currently working as a transport/energy efficiency analyst at the Energy Technology and Policy Division and at the Energy Efficiency Division at the international Energy Agency (IEA). He has been at the IEA since 2015. His key responsibilities cover mandatory regulation in all end-use sectors, the Global Fuel Economy Initiative and charging infrastructure for electric mobility, contributing to various key publications.



LIST OF PARTICIPANTS

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FURTHER READING

[American Council for an Energy Efficient Economy, *Exploring the Relationship Between Demand Response and Energy Efficiency: A Review of Experience and Discussion of Key Issues*, 2005](#)

[Ernest Orlando Lawrence Berkeley National Laboratory, *Coordination of Energy Efficiency and Demand Response*, 2010](#)

[European Climate Foundation, *E-mobility and the French energy transition*, 2017](#)

[European Commission, *EV-smart grid integration*, 2015](#)

[International Energy Agency, *Digitalization and Energy Report*, 2017](#)

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[International Energy Agency, *Demand Side Management Energy Efficiency Technology Collaboration Program – Task 17*, 2016](#)

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[IRENA, *Electric vehicles technology brief*, 2017](#)

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