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IEA RESEARCH  
COOPERATION

# Invitation to the Experts Workshop Energy Efficiency of Electric Vehicle Supply Equipment (EVSE)

[www.nachhaltigwirtschaften.at/iea](http://www.nachhaltigwirtschaften.at/iea)

**Date:**

Thursday 28 September, 2017  
11:00 - 16:00

**Location:**

BENE Idea Lab  
Neutorgasse 4-8  
1010 Vienna



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## Expert workshop – Energy Efficiency of Electric Vehicle Supply Equipment (EVSE) Introduction

In 2016 more than 2 million electric cars were on the road globally, with over 750 thousand units sold over the year. Substantial new implementation of electric vehicle supply equipment (EVSE) was also observed on par with the growth of the global electric car stock .

The overall energy performance of EVSE encompasses both the charging efficiency as well as the own energy consumption of the infrastructure itself. This is the topic of this workshop with national and international experts, which aims at exploring the current knowledge on energy performance and testing, as basis for energy efficiency strategies and policy approaches for EVSE. This workshop is part of the activities of the ongoing scoping study on "Energy Efficiency of EVSE" initiated by the Electronic Devices and Networks Annex (EDNA) of the Technology Collaboration Programme Energy Efficient End-Use Equipment (IEA – 4) under Austrian leadership, and with the coordination of the ECODESIGN company GmbH.

### INFORMATION:

This workshop is free of charge.

It is part of the dissemination work of the Energy Efficient End-Use Equipment Technology Collaboration Program of the International Energy Agency (IEA-4E) and the IEA Research Cooperation Program of the Austrian Federal Ministry of Transport, Technology and Innovation (BMVIT).

### REGISTRATION:

We kindly ask you to please register by sending an email with the subject "EVSE WS Registration" to:

Dr. Adriana Díaz, IEA – 4E Co-Delegate for Austria  
"ECODESIGN company" engineering & management consultancy GmbH.  
Schwindgasse 4/2, 1040 Vienna  
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T: +43 1 40 35 611 33  
[www.ecodesign-company.com](http://www.ecodesign-company.com)

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### RESEARCH COOPERATION INTERNATIONAL ENERGY AGENCY

Responsible:  
Federal Ministry for Transport, Innovation and Technology  
Energy and Environmental Technologies  
Contact IEA: Mag. Sabine Mitter  
Contact 4E: Michael Hübner  
Radetzkystraße 2, 1030 Vienna, Austria  
[www.nachhaltigwirtschaften.at](http://www.nachhaltigwirtschaften.at)



### COOPERATION PARTNERS:



## Workshop Agenda > 28<sup>th</sup> September, 2017 > BENE Idea Lab > Vienna



- 11:00 BMVIT welcome, setting the stage & relevance of the topic**  
DI Hans-Jürgen Salmhofer  
Stabstelle Dekarbonisierung, BMVIT
- 11:20 Trends on EVSE from the 2017 IEA Electric Vehicle Outlook**  
Ms. Marine Gorner – Co-author of the 2017 Global EV Outlook  
IEA, Directorate for Technology, Sustainability and Outlooks
- 12:00 Conductive EVSE technologies**  
> Available technologies, products on the market and energy efficiency  
Mr. Martin Nöhner  
Electric Energy Systems, Center for Energy, Austrian Institute of Technology
- 12:20 High-speed charging solutions and energy efficiency**  
DI Leonard Müller  
SMATRICS GmbH & Co KG.
- 12:40 Inductive EVSE technologies**  
> Available technologies, market products and energy efficiency  
Mr. Janosch Marquart  
NTB University of Applied Sciences Buchs, Switzerland
- 13:10 BREAK**
- 13:30 Standby power consumption and efficiency under operational load of DC chargers for electric vehicles**  
Dr. Harald Scholz  
European Interoperability Centre for Electric Vehicles and Smart Grids  
at the Joint Research Centre JRC
- 14:10 Charging infrastructure and Life Cycle Assessments**  
> IEA HEV Task 30 – Environmental assessments  
DI Dr. Gerfried Jungmeier  
Future Energy Systems & Lifestyle and IEA HEV,  
JOANNEUM RESEARCH Forschungsgesellschaft mbH
- 14:30 Efficiency in practice, learning from projects EMPORA and e-connected**  
DI Herbert Pairitsch  
Infineon Technologies AG (Requested)
- 15:00 Discussion, wrap-up and networking**  
> Future activities and initiatives  
All invited experts and participants
- 16:00 END**
- Moderation Dr. Wolfgang Wimmer, ECODESIGN company GmbH*