



TASK 1: STRATEGIC PV ANALYSIS & OUTREACH



IEA PVPS Task 1, PVProsumer4GRID and Self-Consumption Initiative

at 36th EU PVSEC Marseille, France

Trends in PV Development: Self-consumption and Innovative Distributed Applications

Day: Monday 9 September 2019
Time: 13.30
Site: EU-PVSEC Site – Marseille, France
Access: Open to all registered participants of the 36th EU PVSEC

While distributed PV represented one third of global PV installations in 2018, it is poised to develop fast in the coming years under new policies and adequate regulatory frameworks. Self-consumption policies are evolving towards more complex and decentralized regulations allowing collective and virtual self-consumption, while innovative business models allow to rethink electricity production and consumption.

This event will first discuss the development of the PV market, and the impact of policies on the speed at which PV could develop. Will policies continue to shape the market and especially long-term targets? How are self-consumption policies developing and what does that mean for the energy transition? Are electricity markets adapted?

As an official event of the 36th EU PVSEC, this PVPS Programme Workshop is jointly organised by IEA - International Energy Agency and the EU PVSEC. Partners: SET-Plan Action 4 - Self-Consumption Initiative, PVProsumer4Grid Horizon2020 Project.

Agenda

13.30h Welcome Speech & the Role of the IEA PVPS Program

13:35h Session 1 – Current Trends in Innovative PV Policies For Self-Consumption

Self-consumption policies have evolved rapidly and now include the ability to develop PV for self-consumption in multi-stories buildings, as well as virtual compensation between different sites. The following subjects will be discussed.

- Summary of PV Self-Consumption Policies and Innovations: *Gregory Neubourg, Becquerel Institute*
- PVP4Grid Project: Profitability Analysis of Renewable Energy Communities: Comparison of European Selected Countries: *Johannes Radl, TUWien*
- PVP4GRID Project: Comparison of greenhouse gas emission reduction potentials of energy communities in Europe: *Atse Louwen, Wouter Schram, Wilfried van Sark, University of Utrecht*
- Self-Consumption Initiative: Use cases – *Hemma Bieser, AvantSmart*

15.00h Coffee-Break

15.30h Session 2 – Innovative Distributed Applications for PV, Smart Buildings and Electric Mobility

What could drive PV development in the coming years? From innovative applications in buildings to the integration in the transport sector, this session will explore innovation and forward-looking ideas, including innovative business models for self-consumption.

- Key features of PV development: *Izumi Kaizuka, RTS Corp.*
- Electricity markets and RES profitability: *Alejandro Labanda, UNEF*
- Storage competitiveness: *Eero Vartianen, Fortum*
- A new dawn for Solar Heating and Cooling using PV electricity: *Daniel Mugnier, TECSOL*
- Production heat and electricity together: *Jérôme Mouterde, DUALSUN*

17.30h Closing Speech

Stefan Nowak, IEA-PVPS Chairman, Net Energy

Contact for further information: Gaëtan Masson, Task 1 Operating Agent g.masson@iea-pvps.org