

Enabling PV integration by delivering flexibility to the energy market

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The variable nature of some renewable sources, like solar energy, imposes extra requirements and costs for their integration in power systems and markets. The flexibility of large electricity users and the aggregation of smaller users of distributed generation resources can facilitate the integration of variable renewable energy, while reducing the overall power system costs.

This workshop offers a unique opportunity to find more about how this works in practice, what are the potential power system savings and how can you benefit from participating in this market.

The discussion will be based on the outcomes of two H2020 projects: BestRES, which deals with aggregation of renewable energy sources, and IndustRE, which deals with flexibility in the electricity demand of large industries.



09:00 - 09:10		Arrival & welcome
Session I: Business models providing flexibility to the energy market		
09:10 - 09:20	Introduction to the workshop	Silvia Caneva & Michael Papapetrou, WIP Renewable Energies
09:20 - 09:35	Business models for the aggregation of PV electricity	Daniel Schwabeneder, TUW
09:35 - 09:50	Business models for large industrial electricity users and necessary policy improvements	Pablo Frias, COMILLAS
09:50 - 10:00	Q&A	
10:00 - 10:30		Coffee break
Session II: Practical experience and potential savings		
10:30 - 10:45	Savings from being flexible: (a) for the power system and (b) for industrial electricity users	Dimitrios Papadaskalopoulos, Imperial College London
10:45 - 11:00	Implementation of business models for PV aggregation	Ruben Verhaegen, 3E
11:00 - 11:10	Q&A	
Panel discussion		
Moderator: Michael Papapetrou, WIP Renewable Energies		
11:10 - 11:50		<ul style="list-style-type: none"> • Pablo Frias, COMILLAS • Dimitrios Papadaskalopoulos, Imperial College London • Maximilian Kloess, oekostrom • Paul Kreutzkamp, Next Kraftwerke Belgium
11:50 - 12:00		Wrap-up & conclusion



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