

# The Role of DSM to Provide Flexibility in Electricity Systems

October 13, 2016  
Renaissance  
Brussels Hotel



Register at  
<http://j.mp/IEADSM2016>

## The Role of DSM to Provide Flexibility in Electricity Systems

Date & time: October 13, 2016; 9h30 - 16h30

Venue: Renaissance Brussels Hotel, Rue du Parnasse 19, 1050 Brussels

### Purpose

The share of intermittent renewables in the electricity system is rapidly growing all over the globe. In the EU they will represent 35% of electricity production by 2020 and are expected to reach 50% by 2030. But already today, at peak moments renewables make up for over 50% of production. This is a challenge for network operators, policy makers and regulators, but will also create business opportunities for old and new players.

In this context, it is essential to grasp the full flexibility potential throughout the system, coming from the demand side, network operation, storage and production. Discussions are currently ongoing on both the national, regional and European level. The topic is going to be addressed in several legislative proposals, which the European Commission plans to publish in the second semester of 2016.

The following aspects will be covered:

- What are the sources of flexibility in electricity systems and how/when should these be deployed?
- What synergies and what trade-offs between energy efficiency and flexibility?
- How should system operation change on the road towards 100% renewables?
- How can the new market design facilitate business models that enhance flexibility?

## Agenda

Time	Ref	Topic	Speaker & affiliation
9h30	#1	Introduction - welcome	<ul style="list-style-type: none"> <li>Jean-Marc Delporte for FOD economie</li> <li>Rob Kool for IEADSM</li> <li>Hans De Keulenaer for European Copper Institute</li> </ul>
10h00	#2	Towards a flexibility tracker for EU electricity systems, including case studies for B, NL, D	Edwin Haesen – Ecofys
11h00		Coffee	
11h15		Policy perspective	
	#3	EU policies to promote Demand Side Response	Mark van Stiphout - European Commission
	#4	Flexibility in the Pentilateral Energy Forum	Jan Hensmans - Belgian coordinator of the Pentilateral Energy Forum
12h15		Lunch	
13h00		<b>Focus on demand response</b>	
	#5	Mind your business. What we can learn from more than 50 business models in Energy Efficiency?	Renske Bouwknecht - IEADSM T25
	#6	Promising business models for emerging energy applications (smart heat, electric vehicles, energy storage)	Rocio Moya – Creara
	#7	DSM from distribution customers: from an increasing reality today in medium voltage to perspectives tomorrow in low voltage	Didier Halkin - ORES
	#8	The role of industry	Michael Van Bossuyt – Febeliec
14h30		Coffee	
14h45		<b>Focus on integration</b>	
	#9	Mapping flexibility in industry	Jef Verbeeck - EnergyVille on behalf of <a href="http://www.industrie.eu">www.industrie.eu</a>
	#10	Flexible demand as a counterpart to variable renewables	Rene Kamphuis - IEADSM T17
15h35		<b>Focus on market design</b>	
	#11	Reflections on an improved market design	Andreas Tirez - CREG
	#12	Barriers to market for the demand side	Frauke Thies – SEDC
16h20	#13	Conclusion	Hans De Keulenaer
16h30		Adjourn	

## Organisation

- Conveners: Hans De Keulenaer, European Copper Institute & Francois Brasseur, FOD economie
- Chairman : Hans De Keulenaer, European Copper Institute (am); Rob Kool (IEADSM) pm
- Rapporteur: Denzil Walton
- Meeting format: public meeting ~ 100 participants
- Meeting documents available from <http://j.mp/IEADSM16>
- Event hashtags: #DemandResponse #EnergyEfficiency #MarketDesign
- Event organisers: @Go\_Copper @FODEconomie @IEADSM @IEA\_ISGAN @LeonardoENERGY