

"Challenges Ahead in European Electricity Market Design"

WP2 Expert Workshop

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2014-10-14 Brussels



Co-funded by the Intelligent Energy Europe
Programme of the European Union





Market4RES project in nutshell

- **Market4RES:** Post 2020 framework in a liberalised electricity market with large share of Renewable Energy Sources
- The project is co-funded by Intelligent Energy Europe (IEE) programme. The total budget is 2.4 M Euro
- **Duration:** April 2014 - September 2016 (M30)

Market4RES objectives (Why?)

- **Creation of the Target Model (TM)**
 - The European Electricity Regulatory Forum (Florence Forum) decided in November 2008 to develop an EU-wide Target Model (TM) and a roadmap for the integration of electricity markets across regions.
- **Target Model expected to be fully implemented by 2015:**
 - including day-ahead price coupling
 - cross-borders intraday continuous trading and
 - long-term cross-border capacity allocation with harmonized rules at European scale
- **The Target Model is based in two main principles**
 - Energy only regional markets
 - Market Coupling linking zonal day-ahead spot markets into a virtual market, where only congestion-constraints limit the trade



Market4RES Objectives (What?)

- To study the potential evolution of the EU Target Model necessary to secure the European power system decarbonisation with large amounts of renewables.
- The project aims to:
 - Contribute to an open and transparent debate on the potential evolution of the EU Target Model after 2020 with the RES/GHG/EE 2030 targets in mind & large shares of RES-e & large amounts of renewables
 - Identify and recommend steps for the implementation of policy, legislation and regulation across the renewable energy sectors.
 - Identify and recommend concrete steps so relevant market actors can accept and adopt the main results of the project.

Market4RES Objectives (Whom?)

Participant name	Short name	Country code	Profile of the organisation
SINTEF Energy Research	SINTEF	NO	RESEARCH
European Wind Energy Association	EWEA	BE	INDUSTRY
Energy Economics Group (EEG), Vienna University of Technology	EGG	AT	RESEARCH
European Photovoltaic Industry Association	EPIA	BE	INDUSTRY
3E	3E	BE	CONSULTANCY
TECHNOFI	TECHNOFI	FR	CONSULTANCY
Comillas Pontifical University	IIT-COMILLAS	ES	RESEARCH
Réseau de Transport d'Électricité	RTE	FR	INDUSTRY
Iberdrola Renovables Energia	IBERDROLA	ES	INDUSTRY
APX Group	APX	NL	MARKET
Friends of the Super Grid	FOSG	BE	INDUSTRY

Short term action objectives (2016 →2020)

WP2
General Framework
EEG

WP3
Market Designs
& KPI definitions
ITT-COMILLAS

WP4
Assessment
Target Model
TECHNOFI

WP5
Quantitative
evaluation of policies
for post 2020 RES-E
targets
SINTEF

WP 6: Conclusions
Recommendations
Implementation
Guidelines
SINTEF

Long term action objectives (post 2020 →2030)





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Thank you very much
for your attention