

# Market RES

**"New market instruments for RES-E to meet the 20/20/20 targets" &**

**"Modeling of electricity market design & quantitative evaluation of policies for post 2020 RES-E targets"**

Expert Workshop

Peter AHCIN  
*SINTEF Energy Research*

2015-05-22 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

---

## 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 on 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

---

- 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 Consortium

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)**



## Upcoming events

---

- Shaping energy markets in a RES generation dominated future, June 24, Brussels – registrations are open.
- Presentation of results of 2020 studies, Nice, October 16, 2015
- Presentation of results of 2030 studies, February 2016 - exact date and location to be decided.





## Additional notices

---

- Slides of today's event will be uploaded to the Market4RES website within 2 weeks.
- Available online: outcome of last event (April 21):

"Challenges for RES-E deployment in the European electricity market"

&

"Assessment of options for the design of pending electricity market developments in the IEM"







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

Thank you very much  
for your attention