

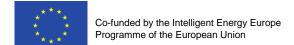
"Challenges for RES-E deployment in the European electricity market" &

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

Stakeholder Consultation and

Workshop

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SINTEF Energy Research



Market4RES project in nutshell

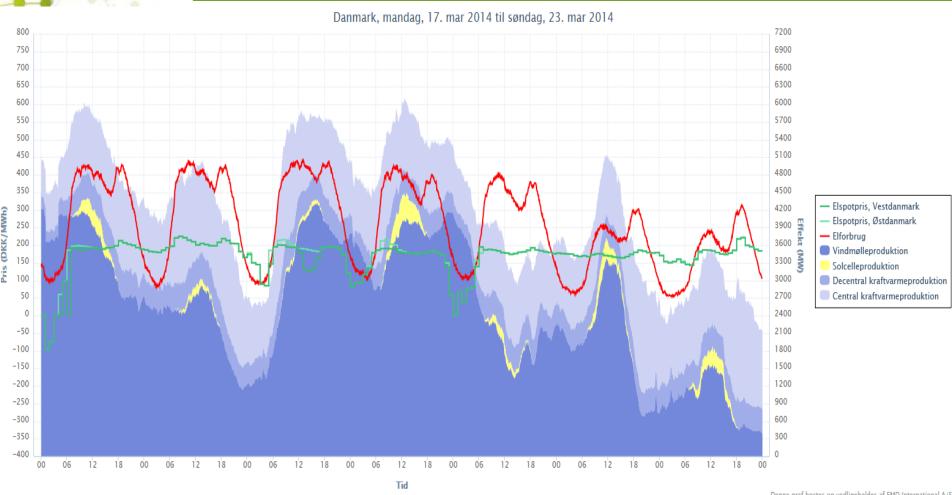
- Market4RES: Post 2020 framework in a liberalised electricity market with large share of Renewable Energy Sources
- The project is co-funded by Intelligent Energy Europe (IEE) programme. The total budget is 2.4 M Euro
- Duration: April 2014 September 2016 (M30)







One of the possible futures: Denmark 2014









One of the possible futures: Denmark 2014

January 2014:

- Danish wind power covered 63.3 % of the electricity consumption
- March 11th 2014:
 - only 9 MW out of 4,900 MW wind turbines generated power
 - 480 MW out of 580 MW solar units supplied the grid

Danish need for balancing services by 2035: 1

GW





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 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



WP 7 Communication & Dissemination - EWEA

Short term action objectives (2016 \rightarrow 2020)

WP2 General Framework WP3

Market Designs

& KPI definitions

ITT-COMILLAS

WP4

Assessment Target Model

TECHNOFI

WP5

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

Long term action objectives (post 2020 → 2030)

WP 6: Conclusions
Recommendations
Implementation
Guidelines
SINTEF

WP 1 Project Management - SINTEF









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

Thank you very much for your attention



