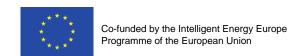




Sophie Dourlens-Quaranta, TECHNOFI (Market4RES WP4 leader) Peter Ahcin, SINTEF (Market4RES WP5 leader)





Morning session (2020 horizon)

Afternoon session (post 2020)







Morning session (2020 horizon)

Afternoon session (post 2020)







- 1. Presentation and dialogue about the specifications of the studies to quantify the impacts of market design options in the framework provided by the current European Target Model (2020 horizon)
  - "Work Package 4" of Market4RES
  - Morning session of today's workshop
- 2. A discussion on: Which are the decisive developments after 2020? What are the possibilities and limitations when performing 2030 analyses?
  - "Work Package 5" of Market4RES
  - Afternoon session of today's workshop







- Morning session (2020 horizon)
  - Objectives of Market4RES WP4
  - Outline of the session
  - Public consultation
  - Next event about WP4 activities

Afternoon session (post 2020)







## **Objectives of Market4RES WP4**

- Quantification of the impacts of the different market design options, assuming as an input the generation fleet expected for 2020
- Framework provided by the current European Target Model
- Focus on different RES support schemes and demand flexibility levels
- Quantification and comparison performed by using the OPTIMATE prototype simulation platform







## Outline of the morning session

9:40 Introduction to the OPTIMATE numerical simulation platform (Adrien Atayi, RTE)

10:20 Methodology implemented by Market4RES to quantify and compare the impacts of different market design options (Tiziana Pagano, Technofi)

10:40 Coffee break

11:00 Market design options to be studied (Sophie Dourlens-Quaranta, Technofi)

**11:20** Scenarios to compare market design options (Sophie Dourlens-Quaranta, Technofi)

11:40 Q&A session

12:00 Lunch





#### **Public consultation**

- Your inputs are very much welcome:
  - Specifications of the scenarios supporting the studies
  - How market design options and scenarios are combined
  - How to assess the RES support schemes at 2020
- A document detailing these specifications is being uploaded on Market4RES website <a href="http://market4res.eu/">http://market4res.eu/</a>

D4.1 Specifications of the most adequate options for flexibility markets and RES support schemes to be studied in a cross-border context

Deadlines for written inputs: 22 June 2015







#### Next event about WP4 activities

- The preliminary results of the studies will be presented at an event organized in Nice (France) on 16 October 2015
- Details of the event will soon be announced!
- Final results of the studies will be published during spring 2016







Morning session (2020 horizon)

- Afternoon session (post 2020)
  - Objectives of Market4RES WP5 (2030 horizon)
  - Outline of the session
  - Public consultation and next event





## **Objectives of Market4RES WP5**

- Select and evaluate the most promising market designs in terms of their ability to integrate high shares of RES, and guarantee security of supply
- **Develop relevant scenarios** to demonstrate the alternative designs and their robustness
- Establish a methodology based on a plethora of analytical tools to provide reliable conclusions regarding the future electricity market





#### Outline of the afternoon session

**13:00** Transition to a fixed cost based system (Peter Ahcin, SINTEF)

**13:15** Market design alternatives for a RES dominant market (Aurèle Fontaine, RTE)

13:30 Q&A session

13:40 Coffee break

14:00 Parallel group work

14:50 Summary of group work

15:20 Conclusions and end of meeting







### Public consultation & next event

- Today parallel group work on
  - Scenarios and market designs for 2030
  - Changing mindset: From overcapacity, RES integration and investor concerns towards climate mitigation, crowd sourcing, etc.
  - Targets and market dynamics; a discussion on questions and study methodology
- Follow up with a validation of the chosen approach
  - Specifications of the market design options to be studied
  - Specifications of the scenarios supporting the studies
- Stakeholder event presentation of study results: February 2015.









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

# Thank you very much for your attention



