

## Introduction to the workshop

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



# Outline

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- Double purpose of today's workshop
- Morning session (2020 horizon)
- Afternoon session (post 2020)





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- **Double purpose of today's workshop**
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# Double purpose of today's workshop

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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





# Outline

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- Double purpose 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

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- 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

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- 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

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- **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 <http://market4res.eu/>**

*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

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- 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





# Outline

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- Double purpose of today's workshop
- 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

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- **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

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- 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

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- **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**





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Thank you very much  
for your attention