TradeRES

New Markets Design & Models for 100% Renewable Power Systems

2nd public Workshop

28 November 2022

13h00-17h00 CET (Brussels time)

Location: online (Zoom)

Registration link:

The participatio in the workshop is free but registration i mandatory.

htt s://videoconf-colibri.zoom.us/meeti g/register/tJIscO6sqzwrG9DpAnfCAzpqa B7lxWNvip02

Click here

INTRODUCTION

The Horizon 2020 project TradeRES – Tools for the Design and Modelling of New Markets and Negotiatio Mechanisms for 100% Renewable European Power System is glad to announce its second public workshop, which will be held online on 28 November 2022, from 13h to 17h CET (Brussels tim).

OUTLINE:

TradeRES is developing and testi g innovative electricity market designs that can meet society's needs for a (near) 100% renewable power system. The market designs currently being developed by the project aim at providing efficient operational and investment incentives for an electricity system that is characterized by high shares of variable renewable energy, by increasing integration with other energy sectors, such as transport, heat, and hydrogen; and by increasing partici atio of flexible electricity demand from households to industrial consumers. These market designs are being developed in a way to guarantee the security of supply by ensuring a robust power system whilst being economically efficient and socially accepted. Additionally, despite the variability of solar and wind energy, market designs are being conceived considering that the market risks should be allocated efficiently and fairly. This should also safeguard that neither consumers nor producers are exposed to extreme swings in their energy expenses or revenues.

The second TradeRES workshop aims at bringing together different views on some of the main research and development questions related to the project, including discussions on wholesale market design, retail markets, ancillary services, system adequacy, sector coupling, and congestion management. The valuable insights to be gathered and the discussion conclusions will be used to complement and improve the project ideas and vision. Consequently, the workshop outcomes will be reflected in the market designs currently under development so that the different perspective and needs can be incorporated into TradeRES comprehensive market designs.

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2nd public Workshop

28 November 2022

13h00-17h00 CET (Brussels time)

Agenda

13:00 – **Welcome and Contextualization of the Main Challenges to Ensure the Intensive, Efficient, and Secure Use of Renewables in Electricity Markets and Power Systems**
Zita Vale, Polytechnic Institute of Po to, Portugal

13:20 – **Challenges and market design choices for a sustainable electricity market**
L.J. (Laurens) de Vries, Delft University o Technology, Netherlands

13:40 – **Trading in Local Energy Market: Flexibility and Resilience**
Goran Strbac, Imperial College London, United Kingdom

14:00 – **Energy Communities – Research Theory and Practice**
Esther Mengelkamp, MK consulting, Germany

14:40 – **Break**

14:50 – **Management of Local Flexibilities in Distribution System Operation**
Hugo Morais, Lisbon University, Portugal

15:30 – **Impact of the Dynamic Operation of interconnection Lines in Market Splitting at MIBEL** Ana Estanqueiro, National Laboratory of Energy and Geology, Portugal

15:50 – **How current market design proposals are threatening the expansion of renewables**
Silke, Energy Baden-Württemberg AG, Germany

16:10 – **Round table**

16:50 – **Closing Session**

Info

The TradeRES project will develop and test innovativ electricity market designs that can meet society's needs of a (near) 100% renewable power system. The market design will be tested in a sophistic ted simulation environment in which real-world characteristics such as actors' limited foresight into the future and risk aversion are included.

Start date
1 February 2020

End date
31 January 2024

Overall budget: € 3 988 713,75

https://traderes.eu
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