

Technical, business, and regulatory approaches to enhance renewable energy capabilities to take part actively in the electricity and ancillary services markets

DRES2Market

DRES2Market Final Event



Organized by:

DRES2Market



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20/01/2023

IDAE. C. de la Madera, 8, 28004 Madrid.

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DRES2Market is a project of the European Union's Horizon 2020 research program aimed at developing a complete and comprehensive framework to facilitate the active participation of distributed generation based on renewable energies (solar photovoltaic and wind) in the electricity market and the provision of ancillary services to the electricity system.



During the development of the project, the advantages and limitations (and legal and administrative barriers) of variable renewable energy technologies and storage devices have been identified. This analysis made it possible to propose various technical and operational solutions to reduce and/or eliminate the identified barriers. The solutions focused on accurate and affordable approaches for the effective integration of distributed generation based on variable renewables, allowing the sale of excess production in the wholesale market and the provision of balancing and reserve services based on system operation needs.



Appropriate approaches for the effective integration of distributed generation in the electricity and ancillary services markets were designed, existing grid codes and market rules in European markets were evaluated in terms of their ability to allow the participation of variable renewable energies, opportunities for the active participation of end consumers in the penetration of these technologies - according to market criteria - were identified, and arguments on the positive impact of these technologies to achieve their social acceptance have been identified.


Come and share with us the most promising solutions to enhance renewable energy capabilities to take part actively in the electricity and ancillary services markets. We are waiting for you!

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Date: Friday, January 20th 2023

Location: Instituto para la Diversificación y Ahorro de la Energía (IDAE).
C. de la Madera, 8, 28004 Madrid.

Zoom meeting: [Registration Link](#)

10:00h	Welcome and Introduction Mr. José María González Moya. CEO, APPA Renovables .
10:10h	Overview of the Spanish regulatory framework Mr. Joan Groizard. General Director, IDAE (<i>tbc</i>)
10:30h	Demand aggregation in the electricity market Mr. Pedro Basagoiti. Director of Technology, Innovation and New Developments, OMIE
11:00h	DRES2Market Project: Integration approach to facilitate distributed renewable energy generation in the electricity market and provide balancing and reserve services according to market criteria Mrs. Lucía Dólera. DRES2Market Coordinator & Project Manager, APPA Renovables
11:30h	Coffee Break 
12:00h	Case Studies. Main results of the proposed solutions Local Flexibility Market: its contribution for the penetration of distributed generation based on renewables. Mrs. Carolina Ávila. Innovation technician, OMIE Distribution grid management with large penetration of distributed generation: reliability and security Mr. Milan Prodanovic, IMDEA
12:45h	Recommendations for the integration of renewable solutions in the Distribution Grid Technical recommendations. Rebekka Gogou, ICCS-NTUA Integrated assessment -economic, environmental and social impact- and recommendations on equipment standards, devices and procedures for RES integration. Sofía Palacios, Deloitte Social recommendations. Mr. Carlos Fernández. Project Manager: Department of Regulation and Strategy, IDAE
13:30h	Closing Remarks Mr. Jose Maria Gonzalez Moya. CEO, APPA Renovables
13:40h	Lunch