



## Invited Speaker

# Javier Barrantes Egaña

Senior Expert in Euro. Energy Markets  
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## Market Design Options for congestion management (G0202)

### | Talk Title

Market Design Options for congestion management

### | Biography

Always in the framework of electricity markets integration and creation of the European Internal Electricity Market (IEM), Javier has developed his professional career contributing both to the conception and the implementation of IEM. Currently, he combines his role as team leader at Red Eléctrica for the scheduling of international exchanges area with the co-convener role in ENTSO-E for the working group dedicated to Market Design for RES integration.

# | Abstract

As the European electricity system transitions towards higher shares of renewables, deeper electrification and stronger cross-border integration, grid congestions are increasing in frequency, variability, scale and complexity, making effective congestion management essential for system security, affordability and preserve efficient market outcomes.

Addressing these challenges requires a closer alignment between market design and the physical realities of the grid. Building on this, the paper sets out ENTSO-E's forward-looking view on market design options to reduce congestions, improve system efficiency and ensure secure system operation in an increasingly complex energy system.