

## CEEM CONFERENCE

### LOCAL FLEXIBILITY PLATFORMS: Which Design and Governance to Support an Efficient Interface with National and European Markets?

Wednesday, 29 May 2019, 9h00 to 13h00  
Université Paris-Dauphine, Room Raymond Aron, 2<sup>nd</sup> Floor

#### Overview of the conference

The energy transition will require the coordination of all available flexibility resources. While national and European-wide flexibility markets, based either on short-term marginal cost pricing or longer-term average cost pricing (auctions), will continue to play a role, much interest is currently focused on decentralised resources and consumption at the local level. Some form of local price signals for flexibility services will need to emerge in order to facilitate the integration of large quantities of variable renewable generation. This area of work represents a major challenge in Europe, where, unlike in the US, markets are largely providing signals at the level of wide geographic areas corresponding largely to national price zones.

The introduction of local flexibility markets could contribute to improve economic signals to activate flexibility to reduce congestion at the distribution grid level. Transmission system operators could also benefit from the flexibility resource coordination service provided by these new local markets which however raises the question of the articulation of local and national flexibility markets.

These new local flexibility platforms raise a number of theoretical and practical questions that will be discussed during the conference, such as:

- What are the products traded on these local flexibility platforms and what is the value added compared to the flexibility provided by the national reserve and balancing services?
- What are the alternative possible designs for such flexibility platforms? What are the emerging approaches in Europe and what do they have in common / how do they differ?
- How to ensure an efficient interface for the activation of offer with national reserve and balancing mechanisms?
- What are the governance issues raised by these new local flexibility platforms and the way they interface with the DSOs and TSOs operations?

The conference will bring together a set of experts and academics to discuss these issues in the format of two sessions and a concluding roundtable as presented below.

#### PROGRAMME

**9h00: Welcome coffee**

**9h30 – 10h00: Conference opening and introduction to key issues – Fabien Roques** (Scientific Advisor of the CEEM, Université Paris-Dauphine)

**10h00 – 10h45: First roundtable: Local Flexibility Platforms in Theory: Key Design Issues and Interface with Electricity Markets as well as DSO and TSO Activities**

**Helena Gerard** (Flemish Institute for Technological Research, Energy Technology Unit of VITO)  
“TSO-DSO Coordination Schemes for Accommodating Ancillary Services from Distribution Networks”

**Ingmar Schlecht** (Neon Neue Energieökonomik GmbH, Basel, Switzerland)  
“Market-Based Redispatch in Zonal Electricity Markets”

**Carlo Schmitt** (Fraunhofer FIT and the Institute for High Voltage Technology, RWTH Aachen University)  
“Local Energy Markets: Designs and Interfaces”

**Paul Codani** (Nuvve corporation)  
“Providing flexibility with Electric Vehicles: first implementation results in France”

**10h45 – 11h15: Coffee break**

**11h15 – 12h00: Second roundtable: Local Flexibility Platforms in Practice: Emerging Concepts and Insights from Pilot Programs**

**Sandrine Chevalier** (Enedis) – Key issues and desirable features of local flexibility platforms

**Philippe Vassilopoulos** (EPEX SPOT) – The ENERA approach

**Sotiris Georgiopoulos** (UK Power Networks) – The UK Power Networks approach

**Frank Wiersma** (TenneT) – The GOPACS model

**12h00 -13h00: Roundtable discussion with key industrial stakeholders and CEEM partners** (RTE, EDF, EPEX Spot and Total Direct Energie), Fabien Roques (CEEM) and Jan Horst Keppler (Scientific Director CEEM, Université Paris-Dauphine).

For more information, please contact the Coordinator of the CEEM, Fatoumata Diallo:  
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