Energy Derivatives Coordination Group
Rational for the interplay between Financial and Energy Regulation –
Introduction to Energy Exchanges

05. November 2020
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I. What does an Energy Exchange Bring?

1. Increases **Liquidity** and **Transparency**
2. Adds **Anonymity** to the market
3. Improves **Visibility** down the curve
4. Hub/price **Reference** for the region
5. Offers additional **Source** of procurement

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**Energy EXCHANGES**
II. Technical and contractual structure of a gas exchange

Functioning of the gas spot market
III. Typical development steps of Energy Markets

1. Deregulation in the wholesale market and in the retail market
2. Independent Network Operators and simplification of the network schemes
3. OTC deals start with active brokers
4. Establishment of a balancing platform
5. Cleared exchange trading on the spot market
6. If no major hub already developed and correlated, development of a liquid futures market

Parallel evolution of power markets and gas market developments

State of play in our CPs
Energy Regulators responsibility

Financial, Energy & Competition Regulators interception

Constant improvement of the market design
IV. Example of European market development  
- PEGAS – Now EEX Gas

PEGAS was not the preferred platform for derivatives trading this is ICE in Europe.
Therefore, the trading volumes of derivative products are about 10 times higher in Europe.

**PEGAS Volumes (TWh)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Futures</th>
<th>Spot</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>222.8</td>
<td>150.5</td>
<td>72.3</td>
</tr>
<tr>
<td>2014</td>
<td>567.2</td>
<td>289.7</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>440.6</td>
<td>584.2</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>643.5</td>
<td>1,089.7</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>826.2</td>
<td>1,151.6</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>1,111.1</td>
<td>846.2</td>
<td></td>
</tr>
</tbody>
</table>

Leading platform for European gas trading

Source: Powernext Annual Report 2018
Exchanges have made a significant contribution to today’s liberalized pan-European energy market.

The SEEGAS Project could trigger faster interconnection and interoperability and decrease the time to market. Early common standards would lower the cost for integration in the future which is in any way inevitable.
VI. The development of the French Energy Exchange

> 2001: Creation of Powernext with Euronext, major European utilities, power TSOs and banks as shareholders – French power spot market

> 2004: Launch of the French derivatives power market

> 2008: Launch of Powernext Gas (spot and futures) – French gas TSOs and GDF Suez added as shareholders

> 2008: Creation of EPEX SPOT, 50/50 Joint Venture between POWERNEXT and EEX that initially operated the French, German and Austrian power spot markets

> 2009 Creation of EEX Power Derivatives, 20/80 joint venture between POWERNEXT and EEX on the power derivatives in France and Germany

> 2013: "Europeanization" of the gas activities of Powernext - cooperation with EEX in Germany and the Netherlands: PEGAS

> 2015: EEX becomes majority shareholder of Powernext – Italy, Belgium and UK added to the PEGAS portfolio

> 2016: Powernext becomes 100% owner of Gaspoint Nordic and starts a cooperation with CEGH – Denmark and Austria added to the PEGAS portfolio

> 2017: EEX Group becomes 100% owner of Powernext. Through a cooperation with PXE, Czech republic added to PEGAS portfolio

Role model for *SEEGAS

Usage of European best practices could enable interoperability and market access already at an early stage and reduce integration costs at a later stage. Necessary preconditions are existing in the markets. The need for an organized steering committee for such a process is needed. The Secretariat is in the best position to provide such support and bridge the gap.
V. Trading Volumes on Power Spot and Derivatives Markets

Source: EEX Annual Report 2019
VI. Trading Volumes CO2 Allowances

Source: EEX Annual Report 2019
THANK YOU
FOR YOUR ATTENTION

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