

# Designing Markets: The Role of Energy Exchanges

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European Energy Exchange, EEX Group

# EEX Group: Facts and Figures

More than

**4,400**

TWh traded on the power markets (2016)

Employees more than

**500**

in 16 locations

More than

**58 bn**

EUR Open Interest in German Power Derivatives contracts

Participants more than

**550**

from over 30 countries

CO<sub>2</sub> Emission Auctions

**195**

Emission auctions in 2016

Day-Ahead market coupling covering

**19**

European countries

# Central Market for Energy & Commodity Products

## Product Portfolio



### Energy

- Power
- Natural Gas
- Coal
- Oil



### Environmental

- Emission Allowances
- Guarantees of Origin



### Industrial Metals

- Iron Ore
- Steel
- Scrap Metal



### Agricultural

- Fertilisers
- Dairy
- Potatoes
- Meat



### Freight

- Dry Bulk Freight
- Container Freight

## Trading Participants

- 27 Austria
- 13 Belgium
- 1 Bermuda
- 2 British Virgin Islands
- 3 Bulgaria
- 1 Canada
- 1 Cayman Islands
- 1 China
- 3 Croatia
- 1 Cyprus
- 25 Czech Republic
- 15 Denmark
- 2 Finland
- 27 France
- 100 Germany
- 4 Greece
- 22 Hungary
- 5 Ireland
- 44 Italy



- 3 Jersey
- 4 Luxembourg
- 1 Monaco
- 29 Netherlands
- 10 Norway
- 13 Poland
- 3 Portugal
- 7 Romania
- 3 Serbia
- 23 Singapore
- 7 Slovakia
- 10 Slovenia
- 3 South Korea
- 15 Spain
- 4 Sweden
- 42 Switzerland
- 77 United Kingdom
- 4 USA

EEX-Group connects **555** trading participants from **37** countries

# Exchange trading at EEX Group: Different markets for different needs



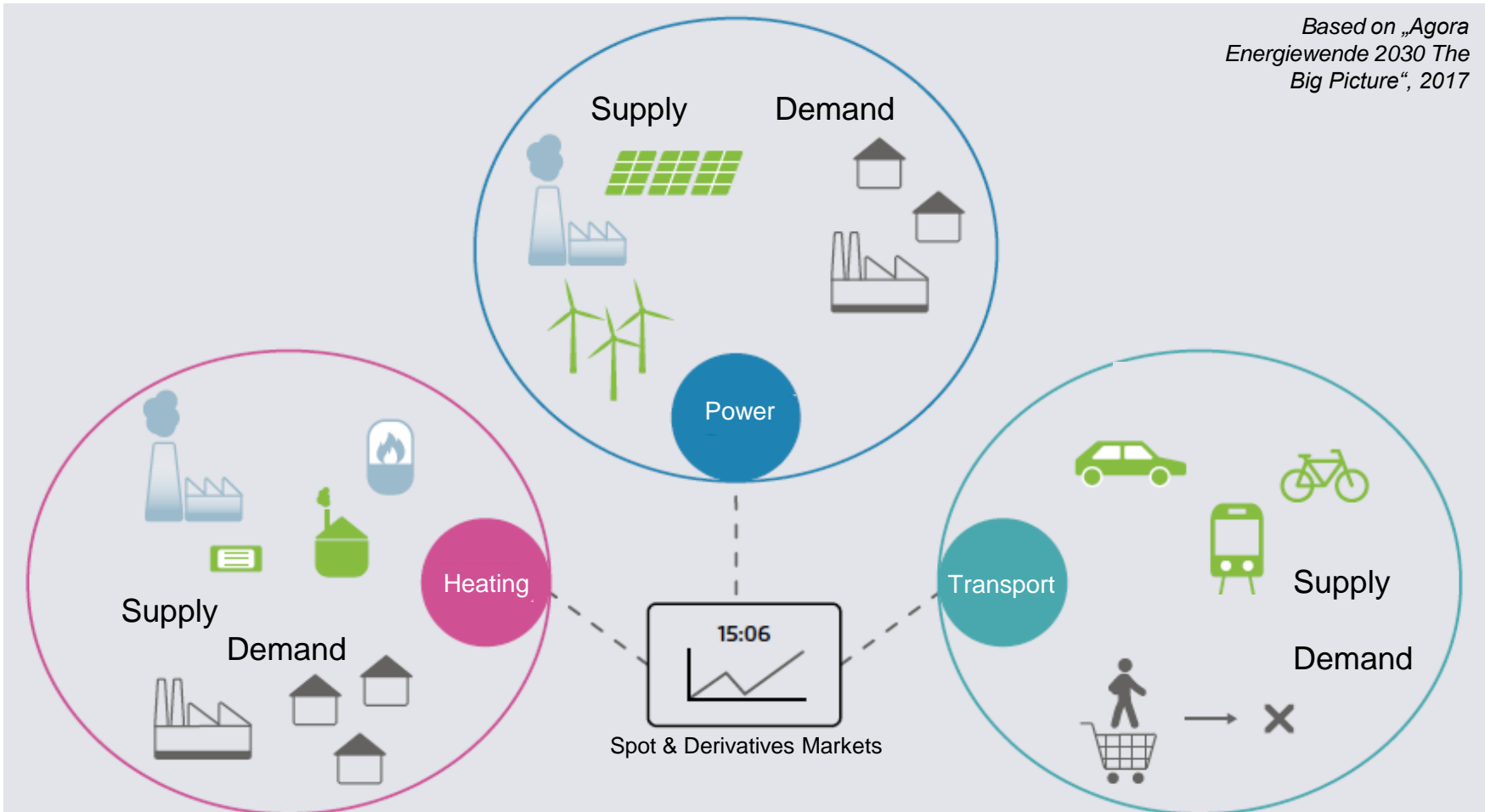
EEX	EPEX SPOT	
<ul style="list-style-type: none"> <li>Trading up to six years in to the future</li> <li>Maturities ranging from one day to one year</li> <li>Choice between financial and physical delivery</li> </ul>	<ul style="list-style-type: none"> <li>Trading for the following day</li> <li>Trading in hours or blocks of hours</li> <li>Daily auction at 12:00</li> <li>Part of european market coupling</li> </ul>	<ul style="list-style-type: none"> <li>Trading until up to 5 minutes before delivery</li> <li>Trading in hours, blocks of hours and quarter-hour blocks</li> <li>From 15:00, all hours of the following day can be traded</li> </ul>

- Hedging
- Long-term investment signal

- Synchronisation of production and consumption
- Short-term optimisation

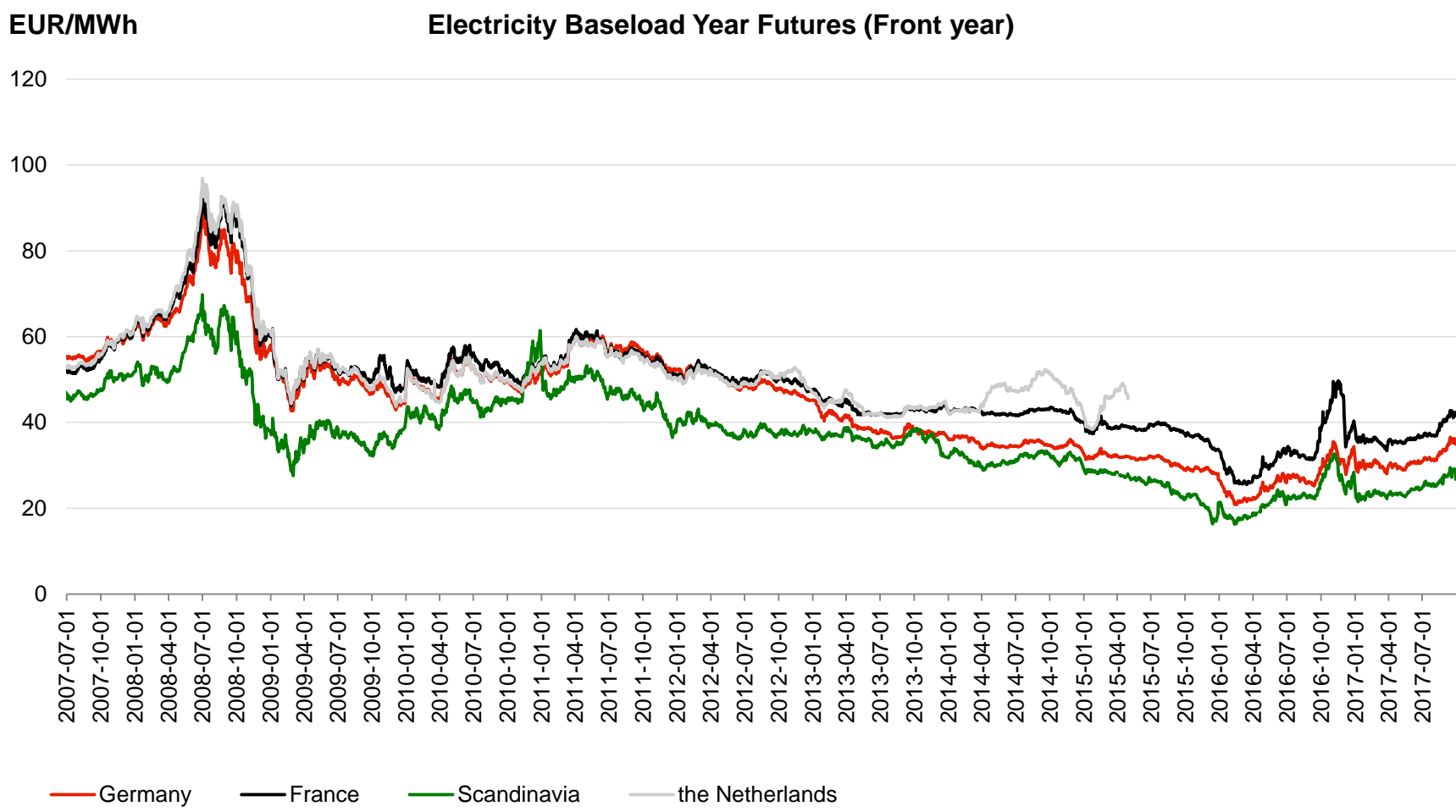
# Vision: the cost-efficient Power Market of 2030...

Based on „Agora  
Energiewende 2030 The  
Big Picture“, 2017



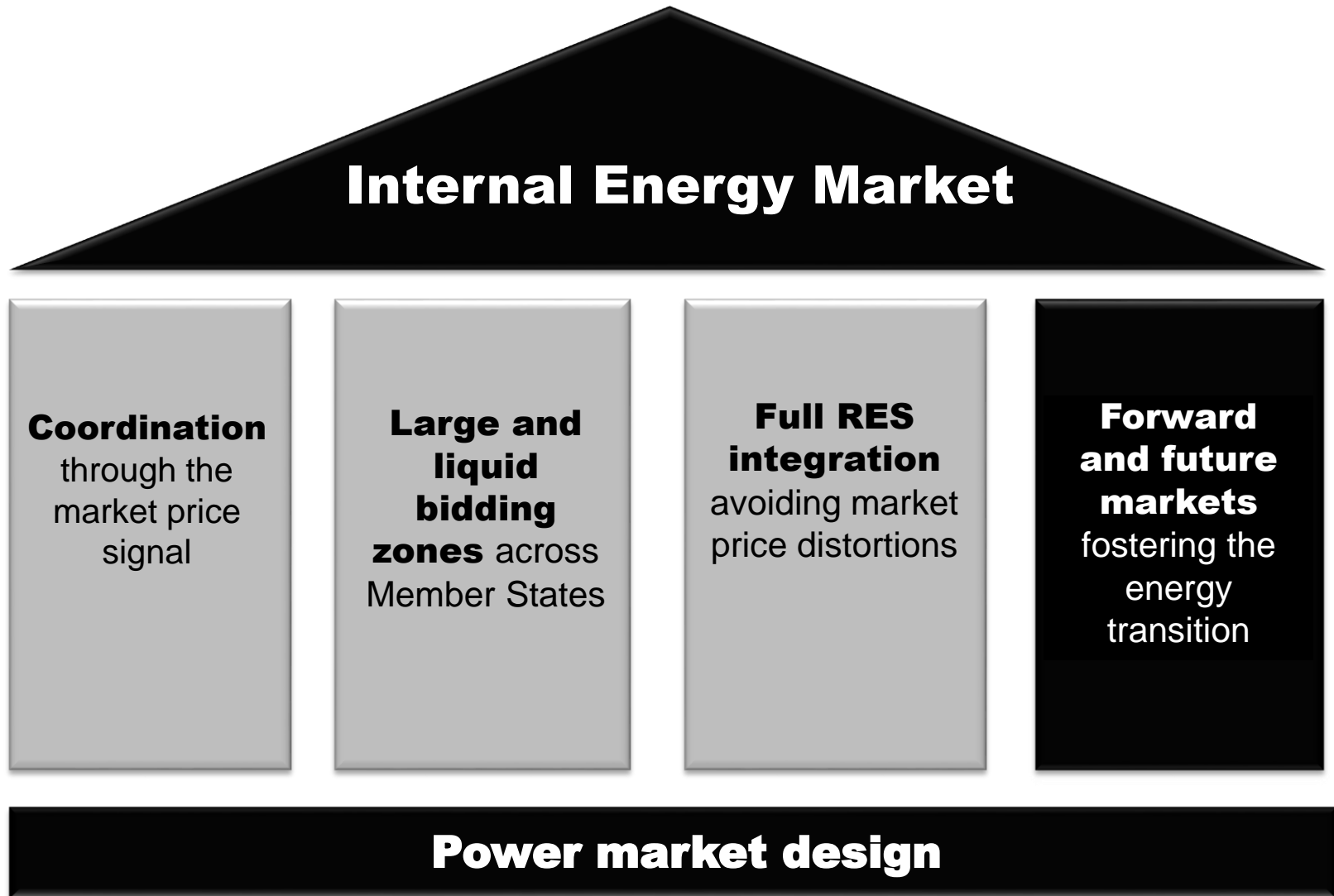
**..is digital, flexible and guarantees a very high security of supply  
& is connected by one market price signal**

# Power Derivatives prices in Europe



\* As of 30 September 2017

# Building an efficient market



I look forward to continue  
our discussion

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