

# Central European Gas Hub



## 14<sup>th</sup> CEGH Feedback Workshop

Vienna, 30 May 2017



# 14<sup>th</sup> CEGH Feedback Workshop



## Agenda

- **Welcome, Opening Words**
- Update CEGH OTC Market
- Update PEGAS CEGH Gas Markets AT, CZ
- Presentation „AGGM goes MAM“: new Market Area Manager
- Feedback Session / Q&A
- Lunch

# CEGH Volume Development 2016: Overview



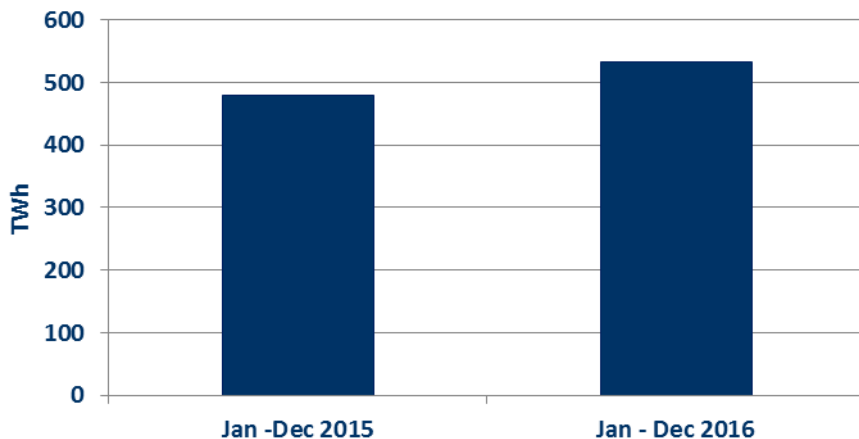
## CEGH OTC Market:

1 - 12 / 2016: 532.91 TWh  
(y-t-y: **+11.4%**)

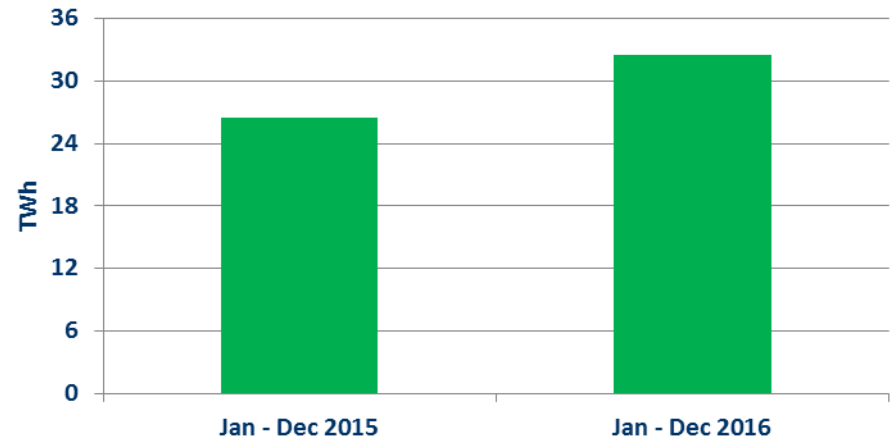
## PEGAS CEGH Market\* :

1 - 12 / 2016: 32.47 TWh  
(y-t-y: **+22.6%**)

### CEGH OTC Market



### CEGH Gas Exchange



\* up to Nov 2016: CEGH Gas Exchange of Wiener Boerse

# CEGH Volume Development 1- 4 / 2017

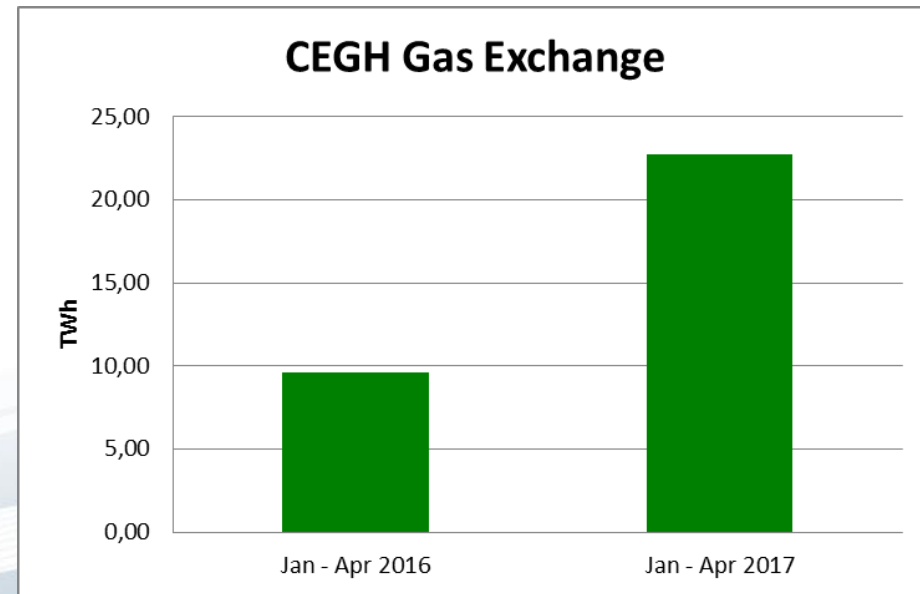
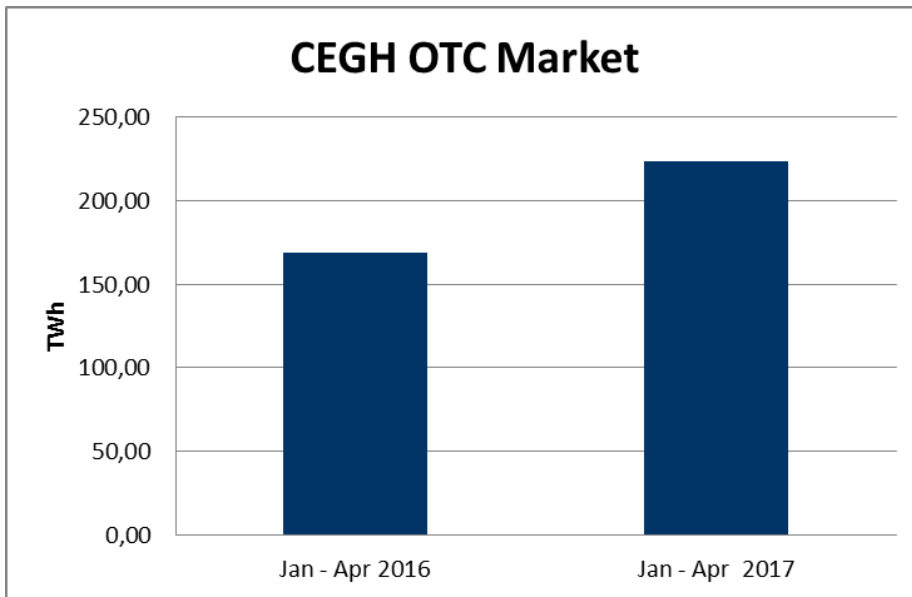


## CEGH OTC Market

1 – 4 / 2017: 223.38 TWh  
(y-t-y: + 32.1%)

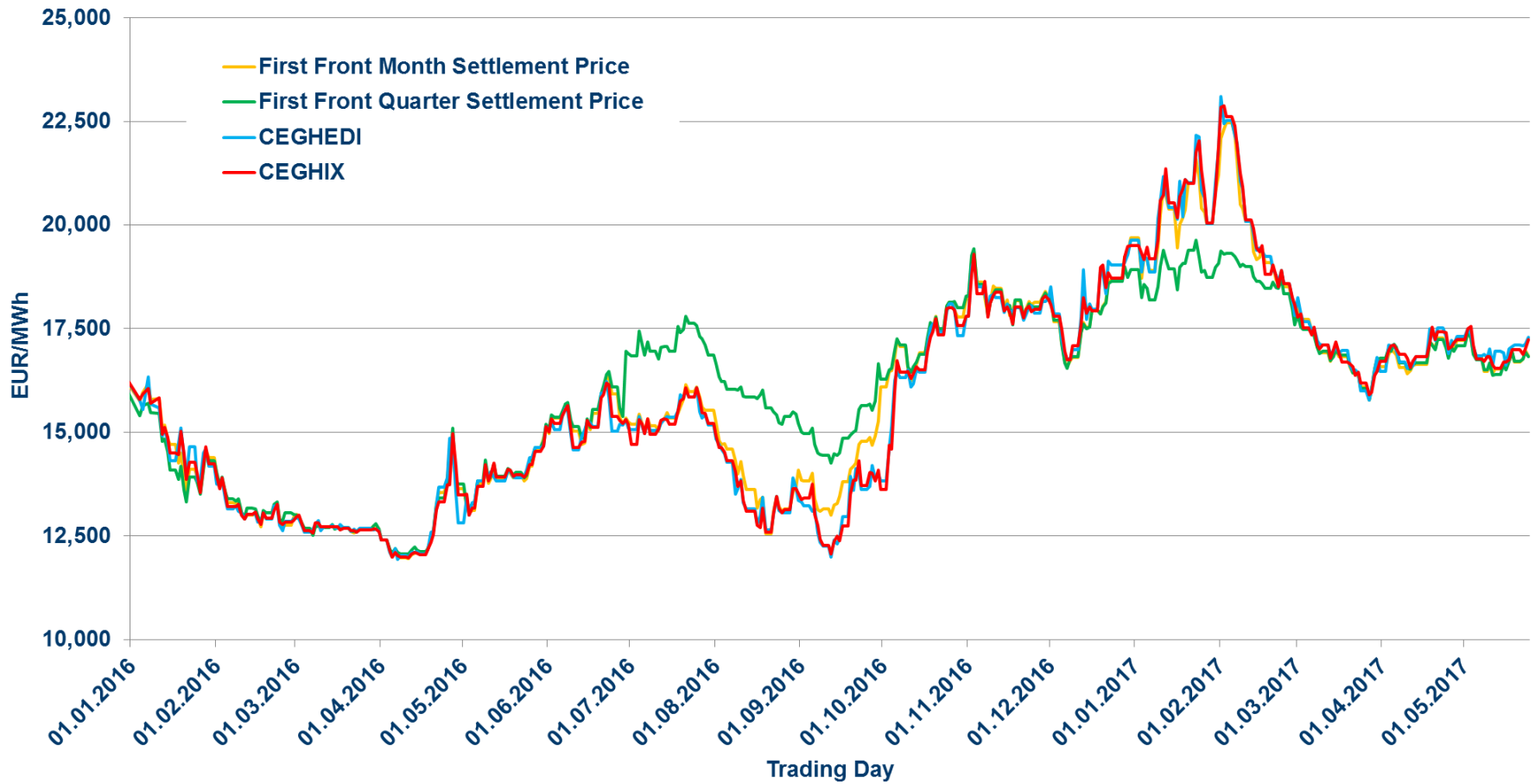
## PEGAS CEGH Market \*

1 – 4 / 2017: 22.73 TWh  
(y-t-y: + 137.2%)



\* up to Nov 2016: CEGH Gas Exchange of Wiener Boerse

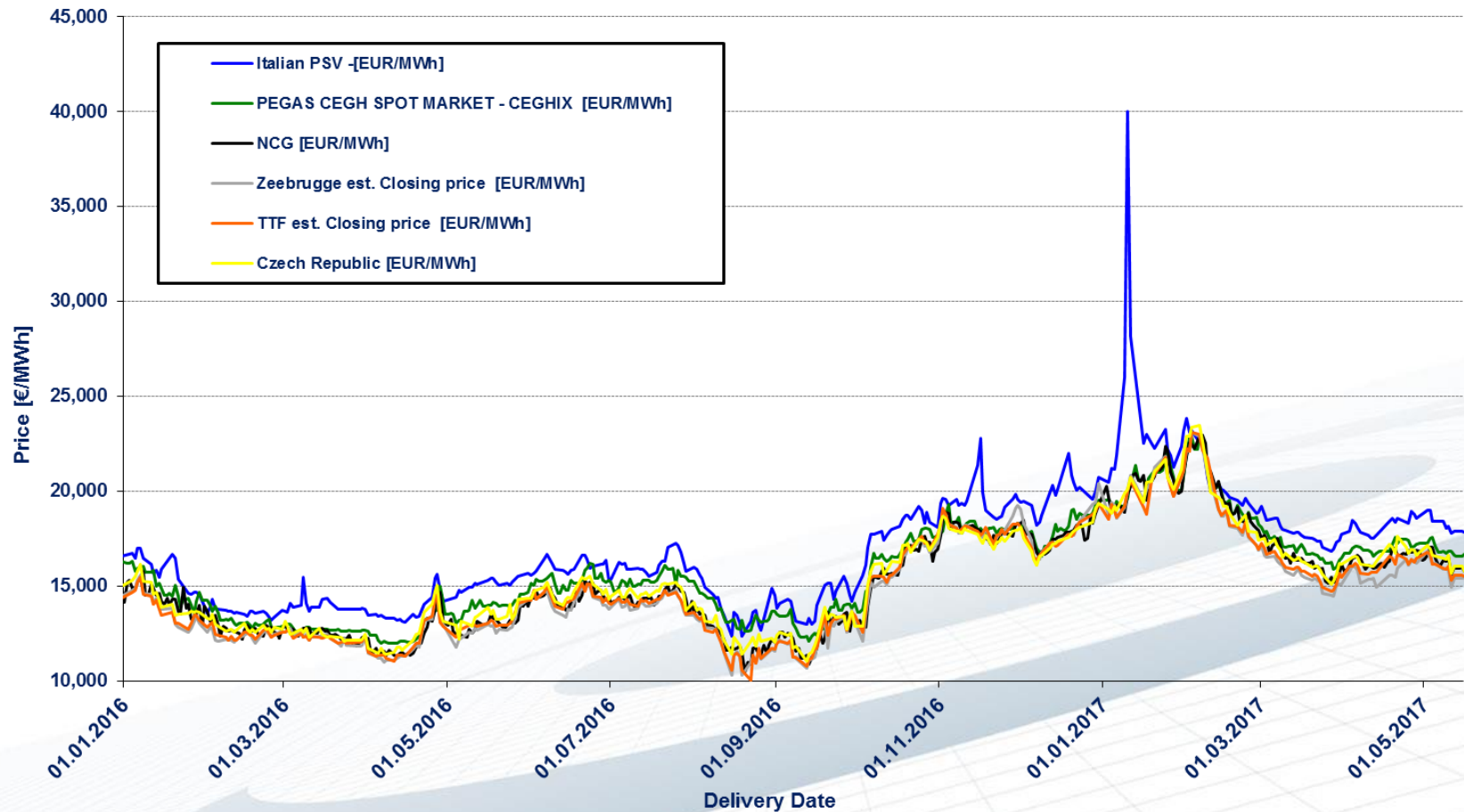
# Price development on CEGH



# Relation between CEGH, Huberator, NCG, TTF and PSV



## Benchmark (Day Ahead Spot Market)



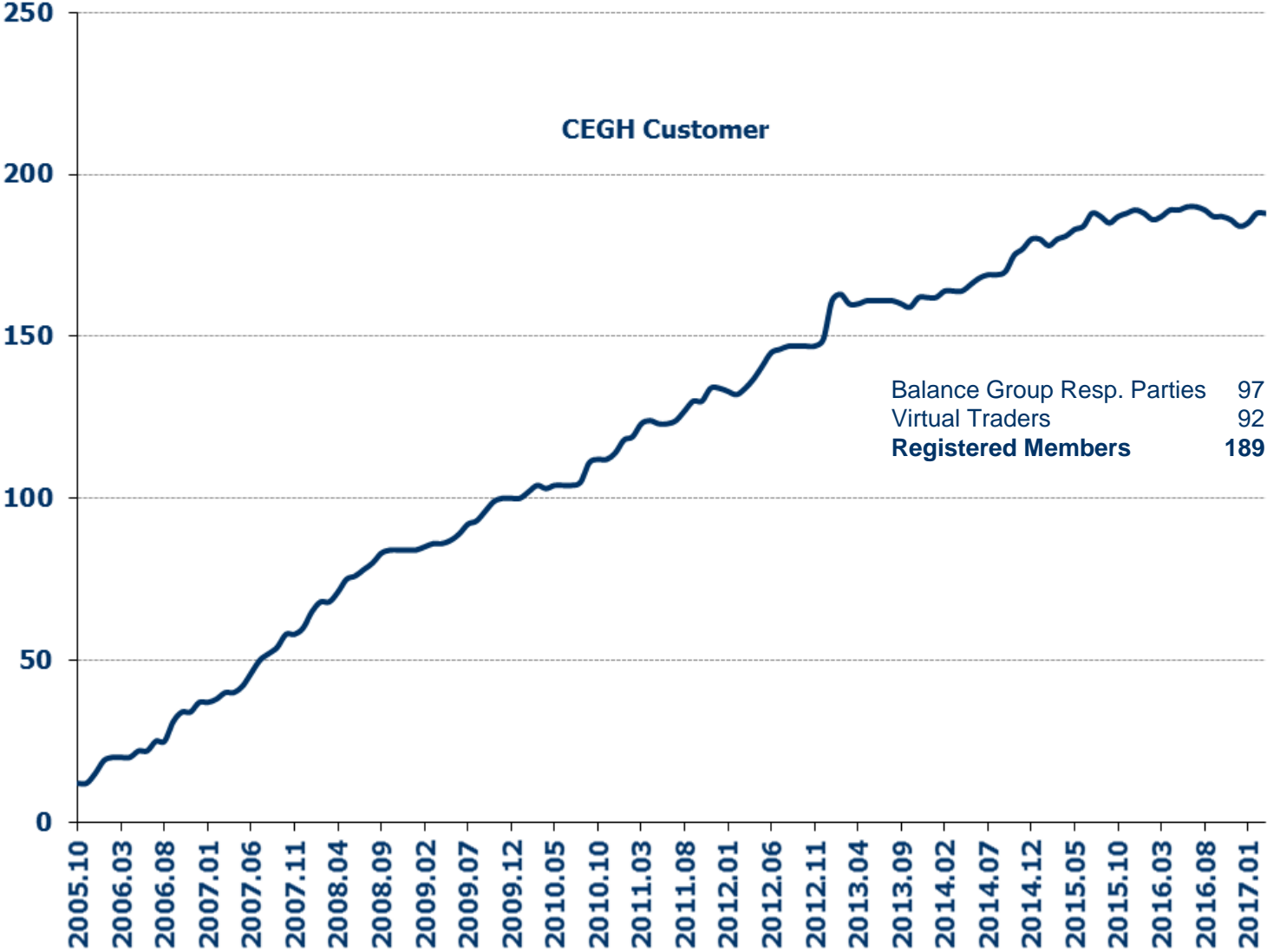
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# OTC Trading: Number of Registered Members



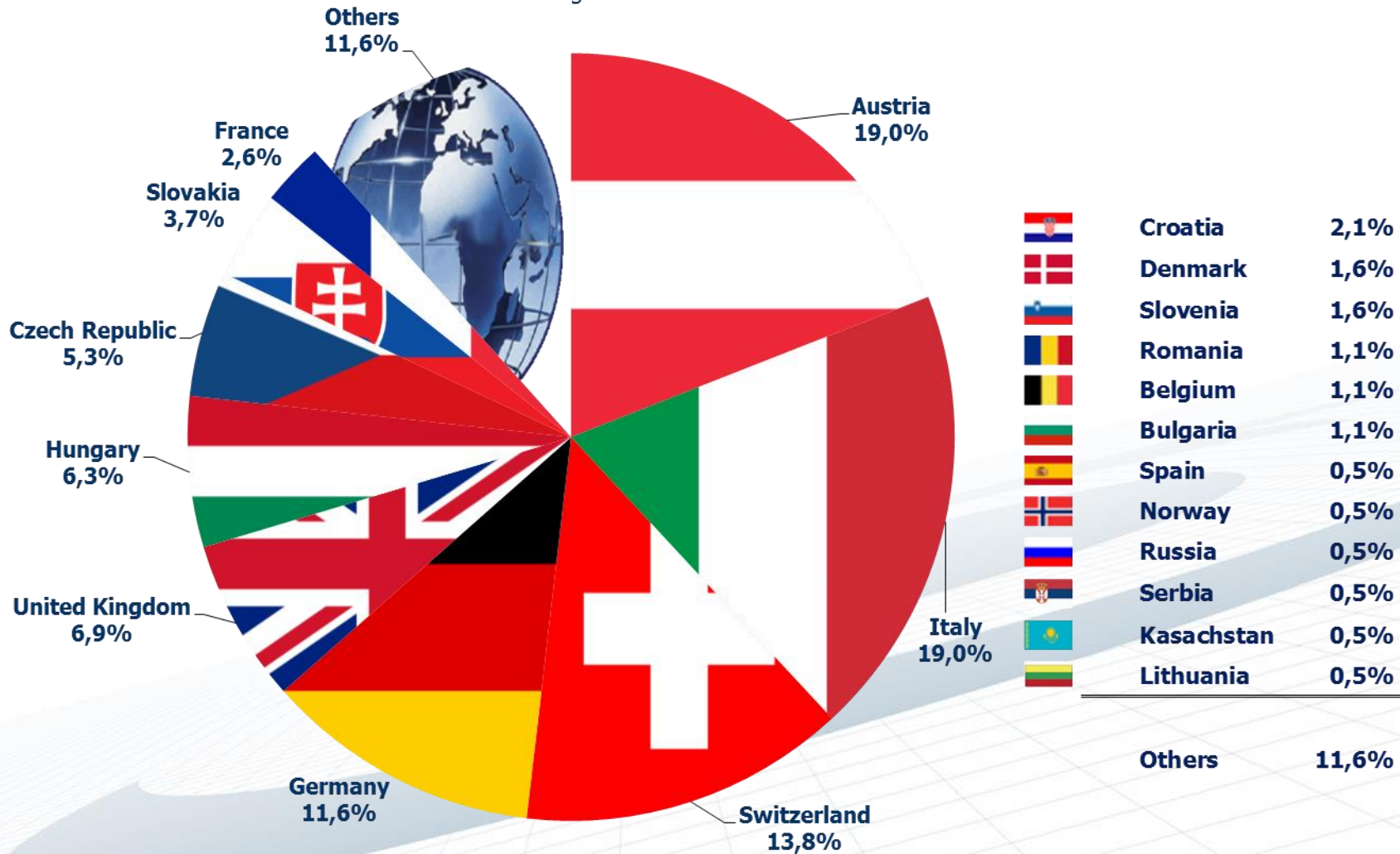


# CEGH - Development of OTC Trading

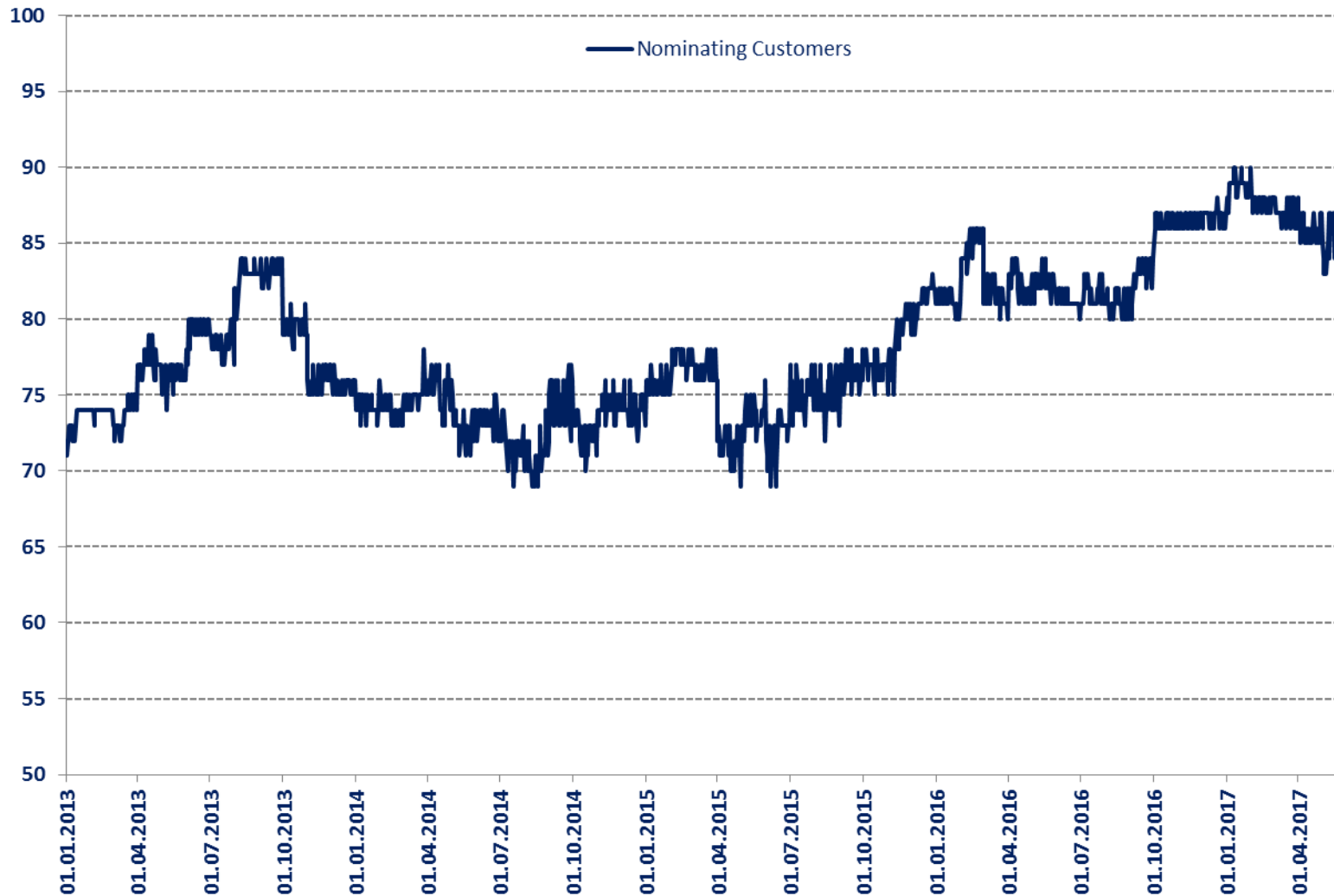
## Diversity of Registered Members



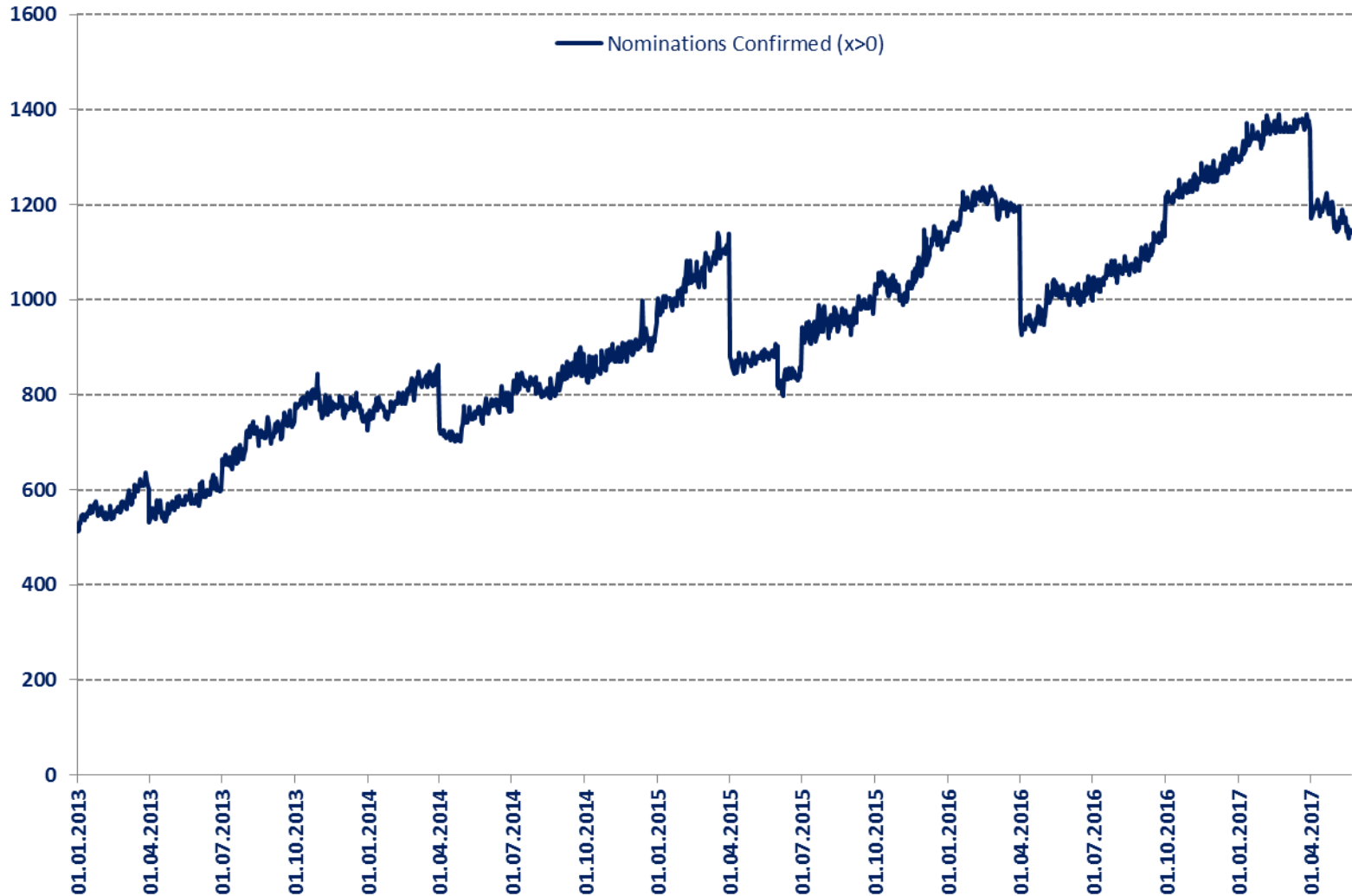
**CEGH**  
Registered Members



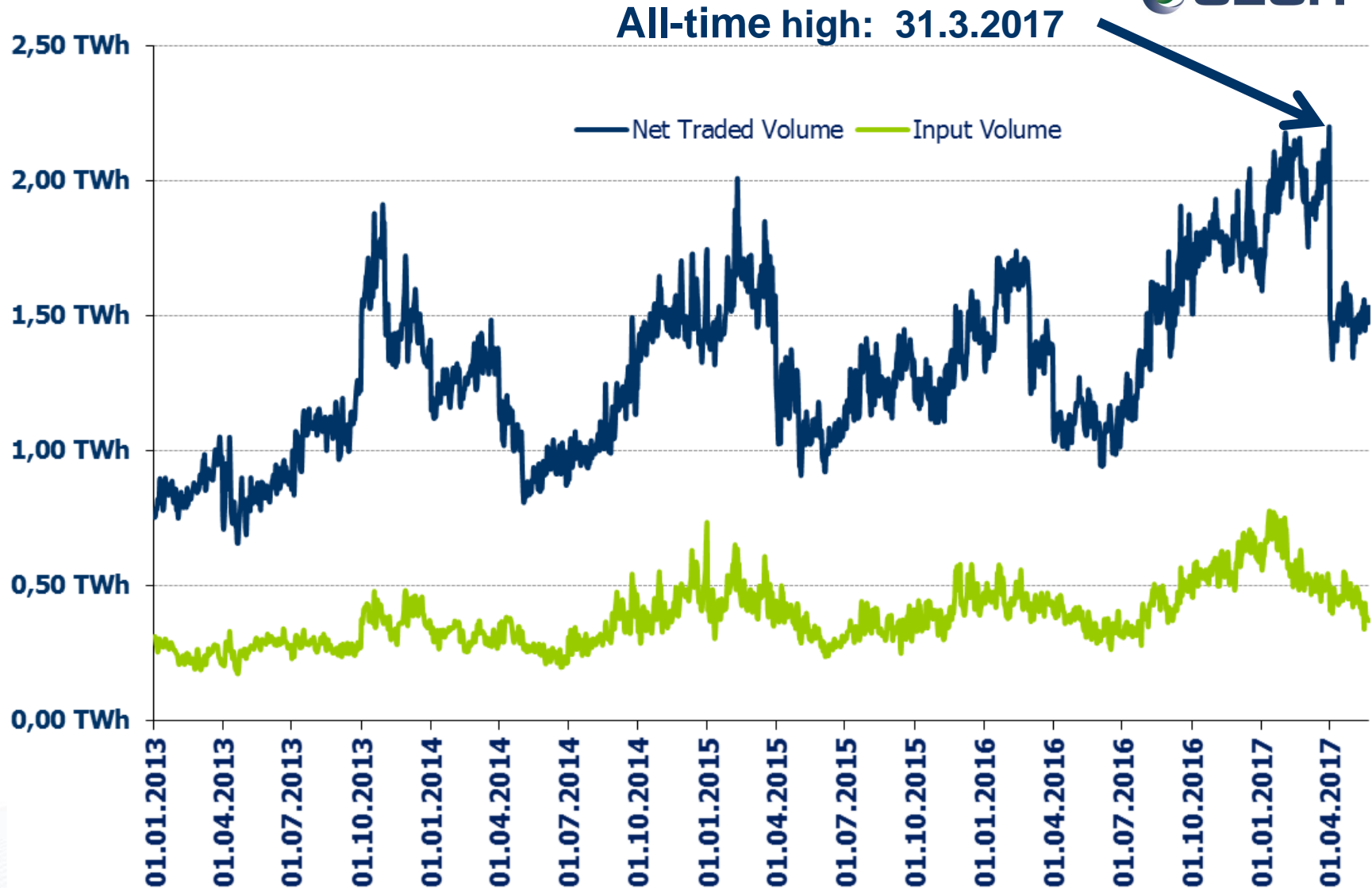
# OTC Trading: Daily Nominating Customers since Jan 2013



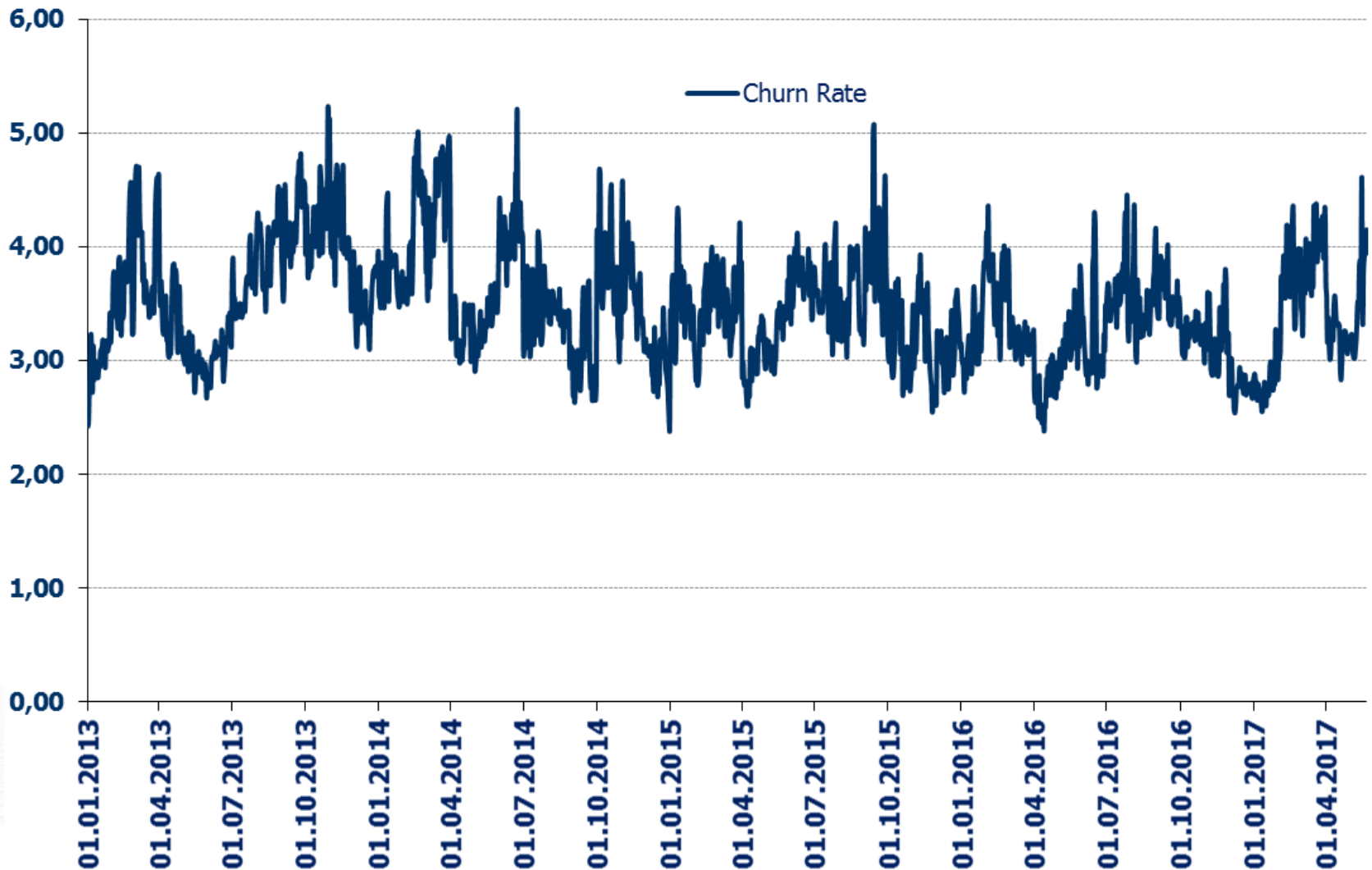
# OTC Trading: Daily Nominations since Jan 2013



# OTC Trading: Daily Trading Volume since Jan 2013



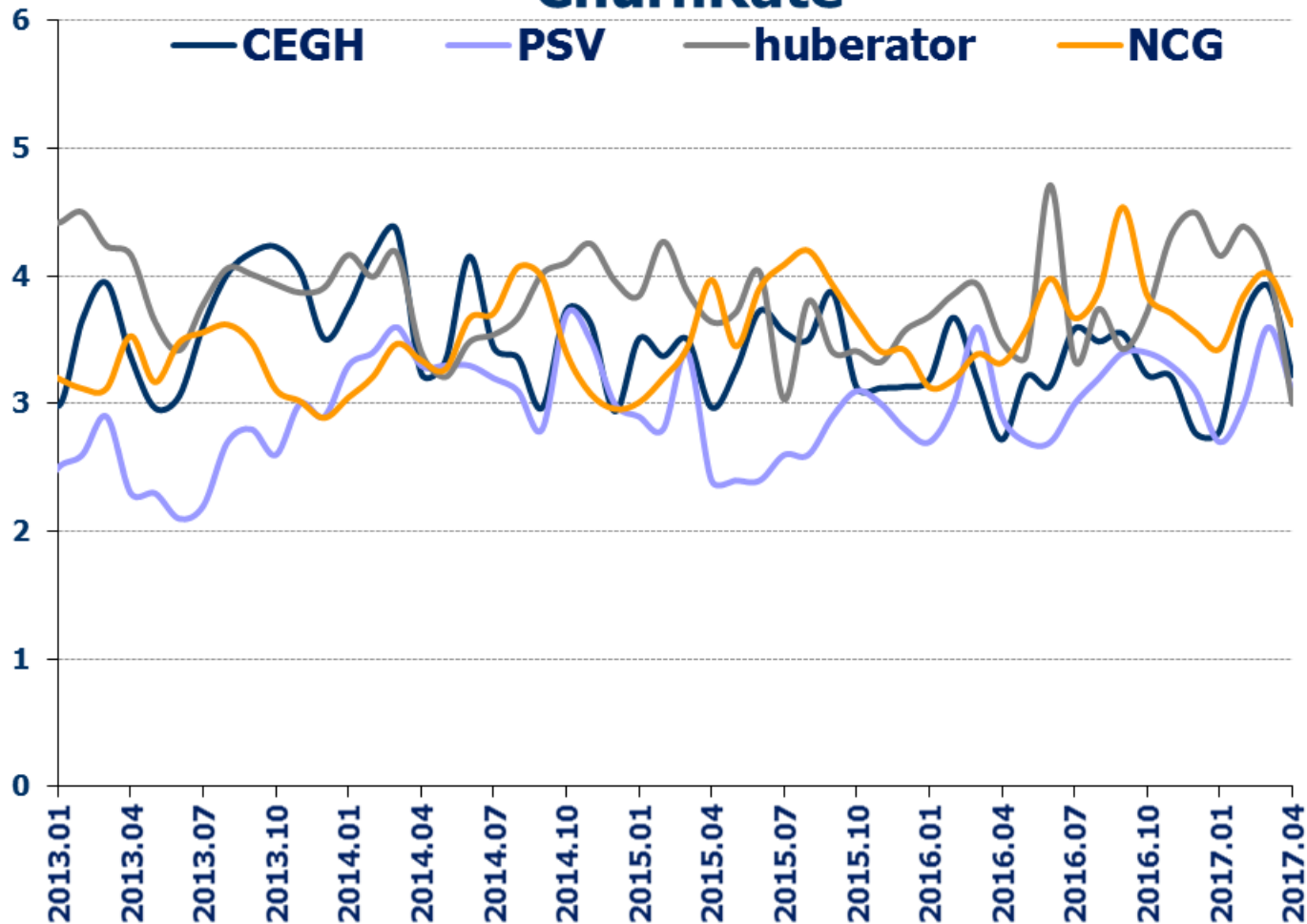
# OTC Trading: Daily Churn Rate since 01.2013



# Continental European Gas Hubs Churn Rate since 01.2013



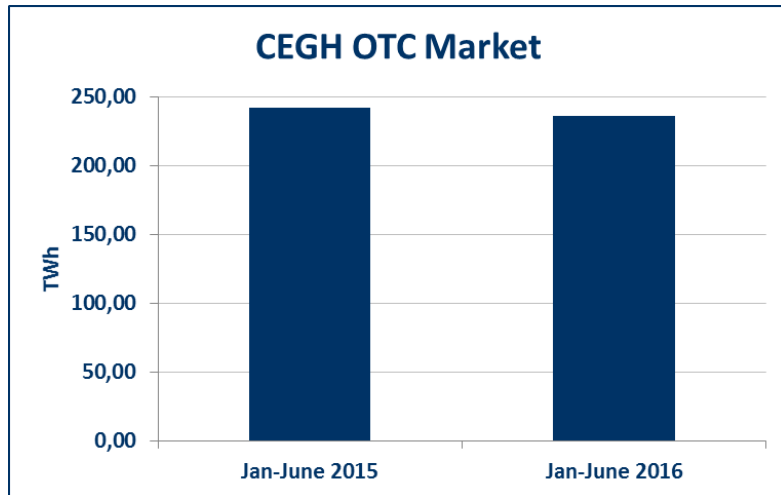
## Continental European Gas Hubs - ChurnRate



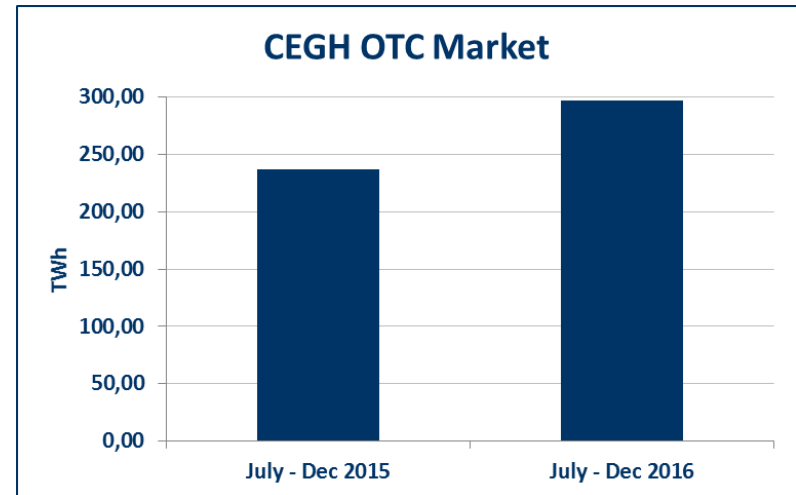
# CEGH VTP Volume Development



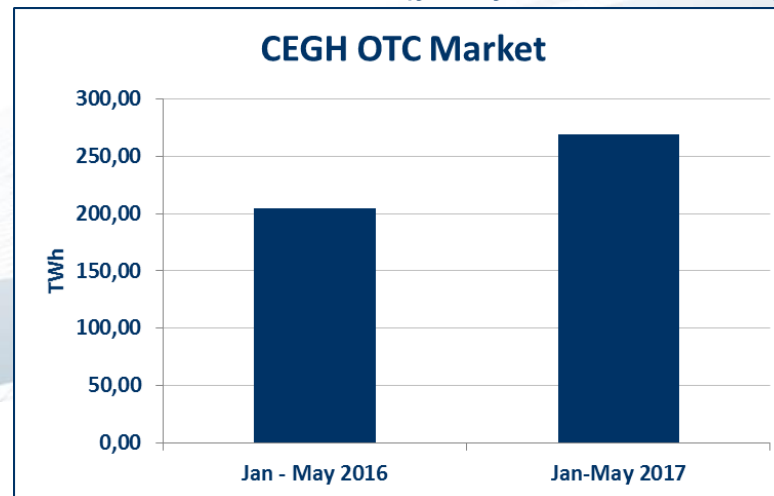
1 – 6 / 2016: (y-t-y: - 2.38%)



6 – 12 / 2016: (y-t-y: + 25.51%)



1 – 5 / 2017: (y-t-y: + 31.63%)



# New CEGH-VTP GTCs as of 1<sup>st</sup> of July 2017



## ■ Main Changes:

- Reduction of the variable fee for title transfers (Annex C, Art. 4.2)
- Adaptations regarding data protection (Art 11.2)

## ■ New variable fee for title transfers:

- Flat title transfer service fee (only if nominating, incl. 21,900 MWh): **€ p.m. 1,000**
- Variable title transfer service fee (total aggregated volume during a 12 month period):

MWh 0 – 10,000,000.000	<b>€/MWh 0.011</b>
MWh > 10,000,000.000	<b>€/MWh 0.005</b>

- **New Documents can be downloaded:** <http://www.cegh.at/cegh-gtc>



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# CEGH Czech Gas Exchange Market: Start 9 December 2013

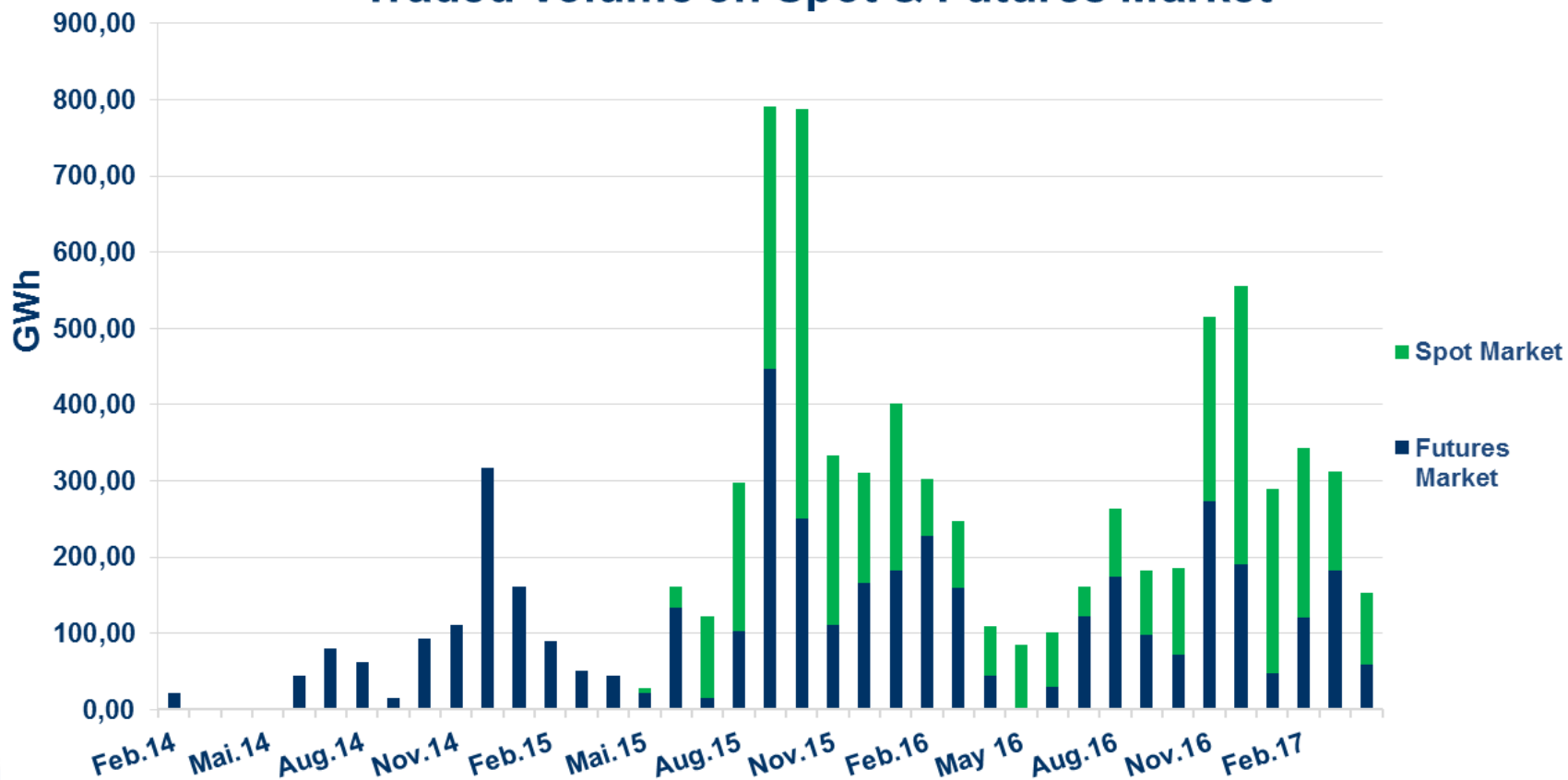


- **Launch:** Futures Market: 9 December 2013  
Spot Market: 4 May 2015
- **Members:** 21 members registered
- **Traded Volume:** 01 – 12/2016: 3.111 TWh  
01 – 04/2017: 1.097 TWh
- **Fee Holidays:** Existing CEGH members or PXE participants:
  - No one time registration fee
  - No monthly participation fee
  - until further notice

# CEGH Czech Gas Exchange: Monthly Trading Volume



## Traded Volume on Spot & Futures Market



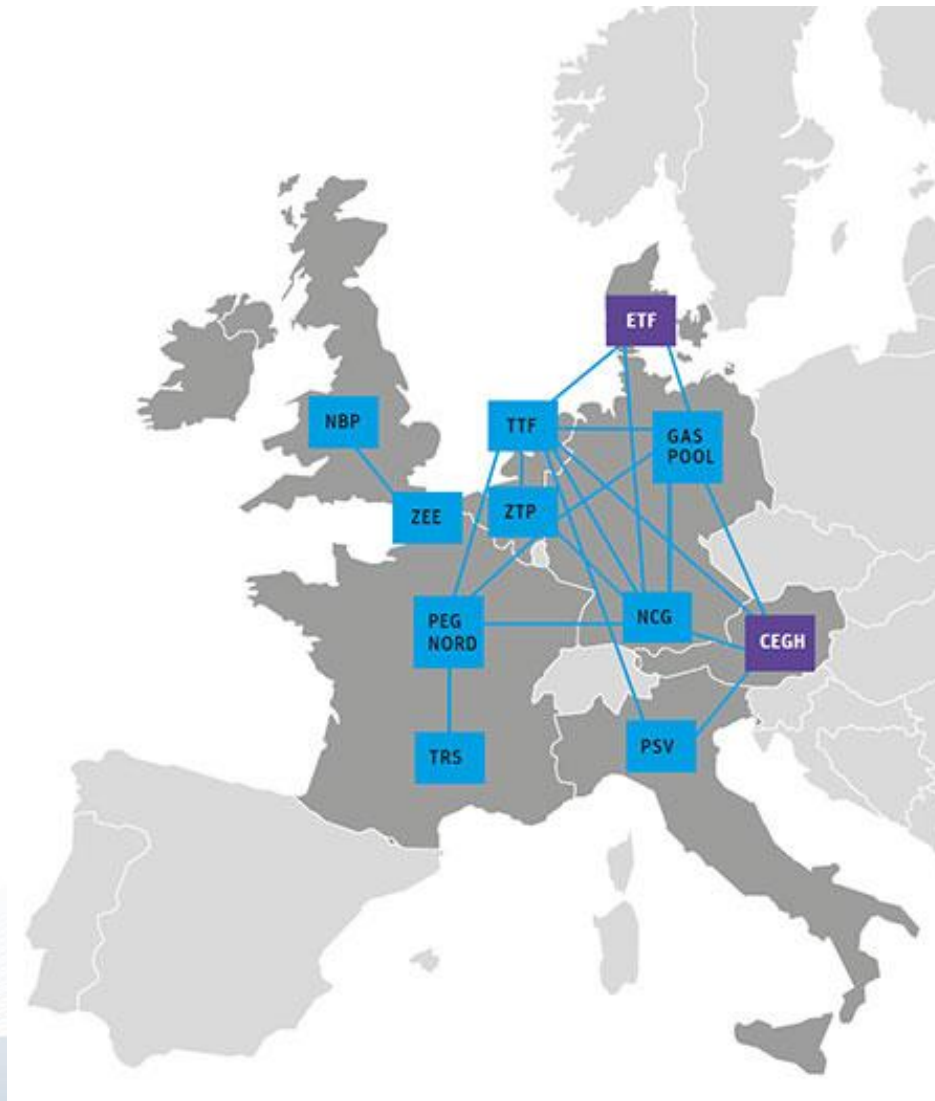
# PEGAS CEGH Markets



## Migration of CEGH Gas Exchange to PEGAS / Powernext:

**1 December 2016**

# PEGAS delivery areas



# Benefits for customers



## Benefits for customers...

- One rulebook to access CEGH and PEGAS products including:
  - All CEGH existing products integrated in PEGAS rulebook
  - OTC Clearing services extended to PEGAS CEGH Futures
  - Spreads with TTF, NCG, GASPOOL and PSV for all products
  - 24/7 CEGH Spot DA products
  - Lower minimum trade size CEGH Futures products (5 MW)
  - Hourly products tradable 24 hours
- Time Spreads since 24 January 2017
- New products further down the curve will be offered based on customer feedback
- Reduced technical fees



# Detailed Products and Services Offering



## Spot markets

- Hourly
- Within-Day
- Day-Ahead
- Weekend
- Saturday
- Sunday
- Individual Days

## Futures regulated markets

- Next 3 Months
- Next 4 Quarters
- Next 3 Seasons
- Next 2 Calendar years

## Non-MTF markets

- Next 3 Months
- Next 4 Quarters
- Next 3 Seasons
- Next 2 Calendar years

**Locational Spreads trading facility with TTF, GPL, NCG and PSV**

## Time Spreads

### Trade registration for futures contracts

Bilateral trade clearing at ECC through STP or OTC Web platform

### Data and indices

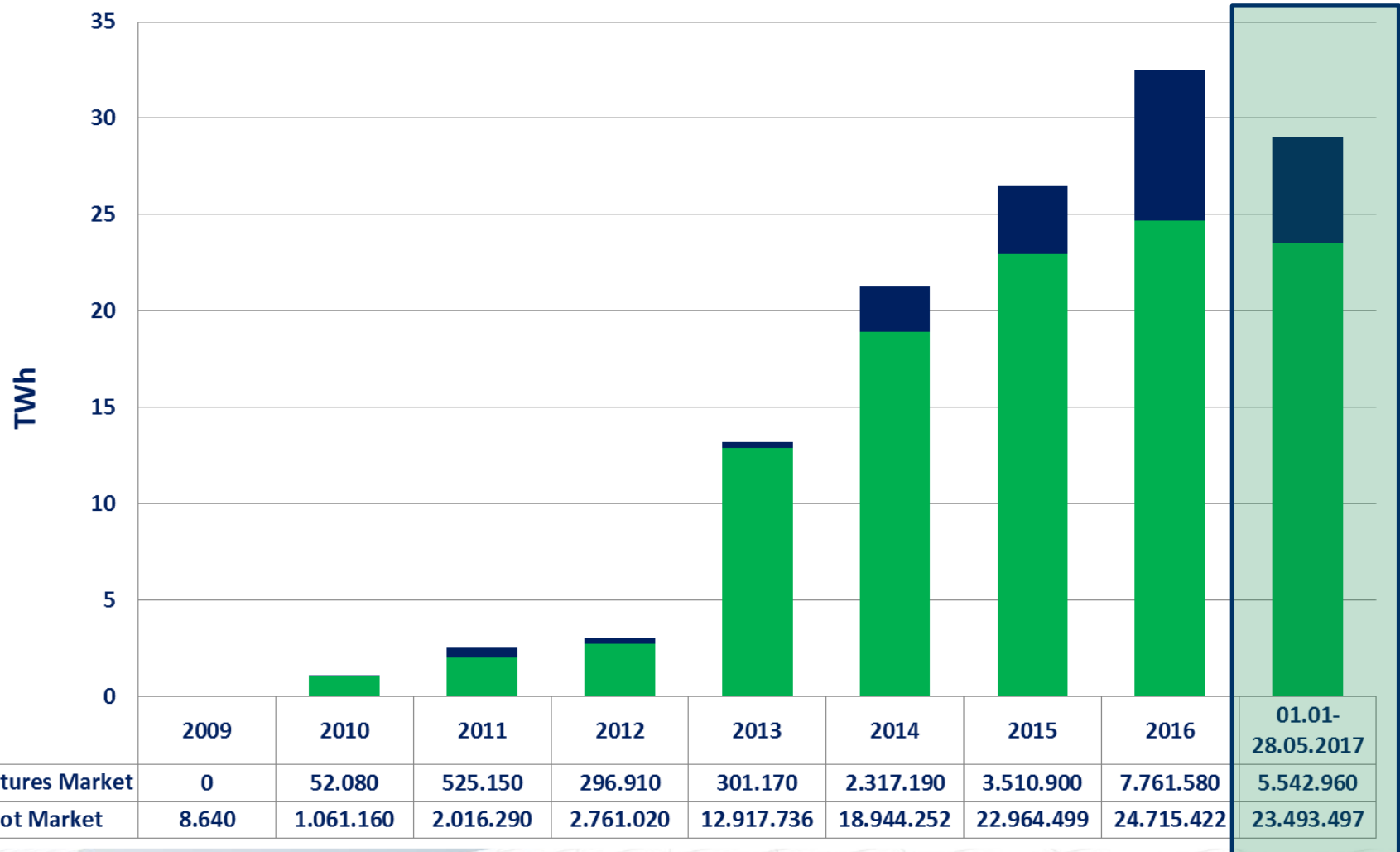
All customers have free access to EEX ftp and PEGAS tools

CEGHIX, CEGHEDI, 1<sup>st</sup> FM, 1<sup>st</sup> FQ and 1<sup>st</sup> FM Reference Index are published on the CEGH website

# Yearly Trading Volume since 2009

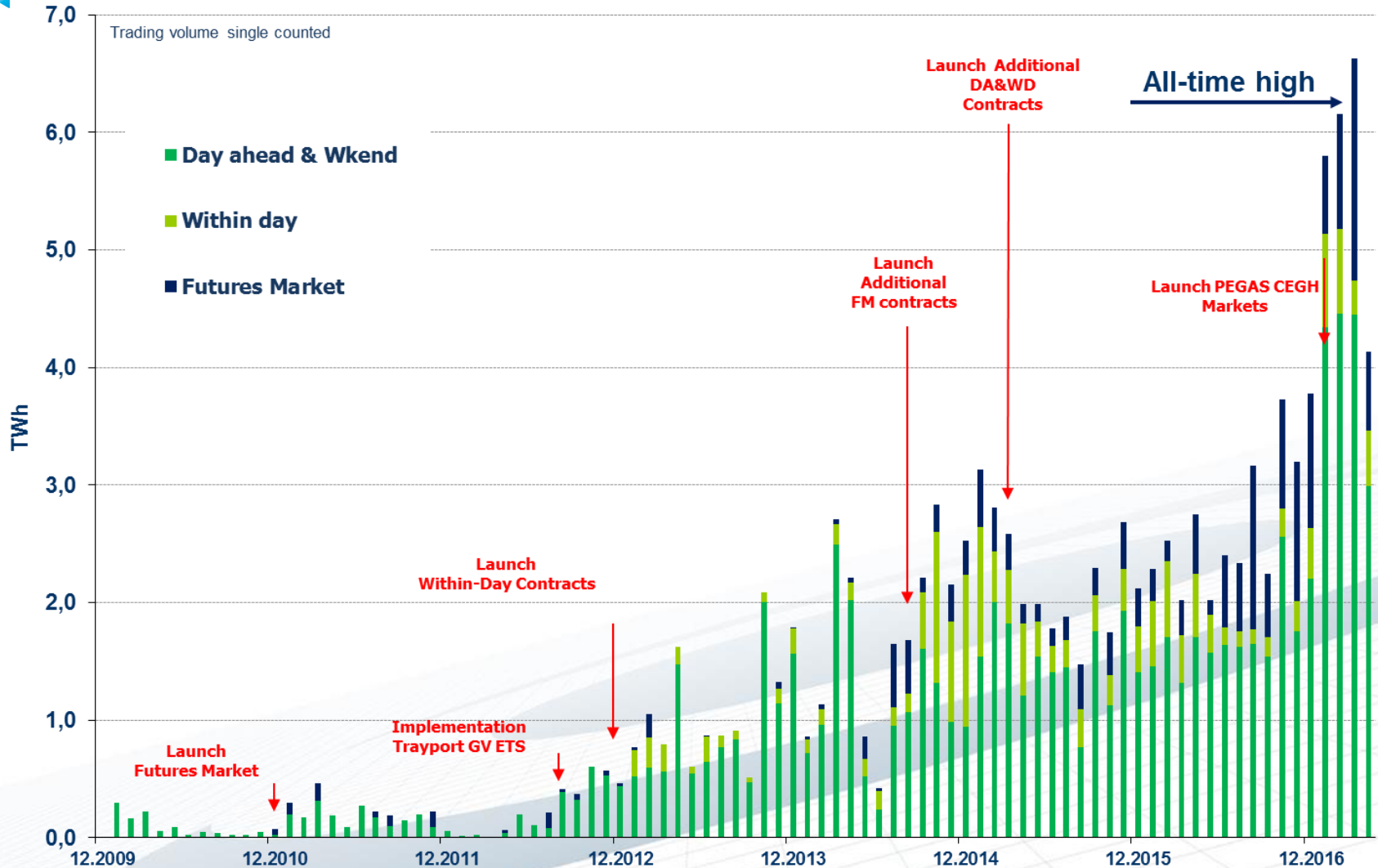


Yearly Traded Volumes





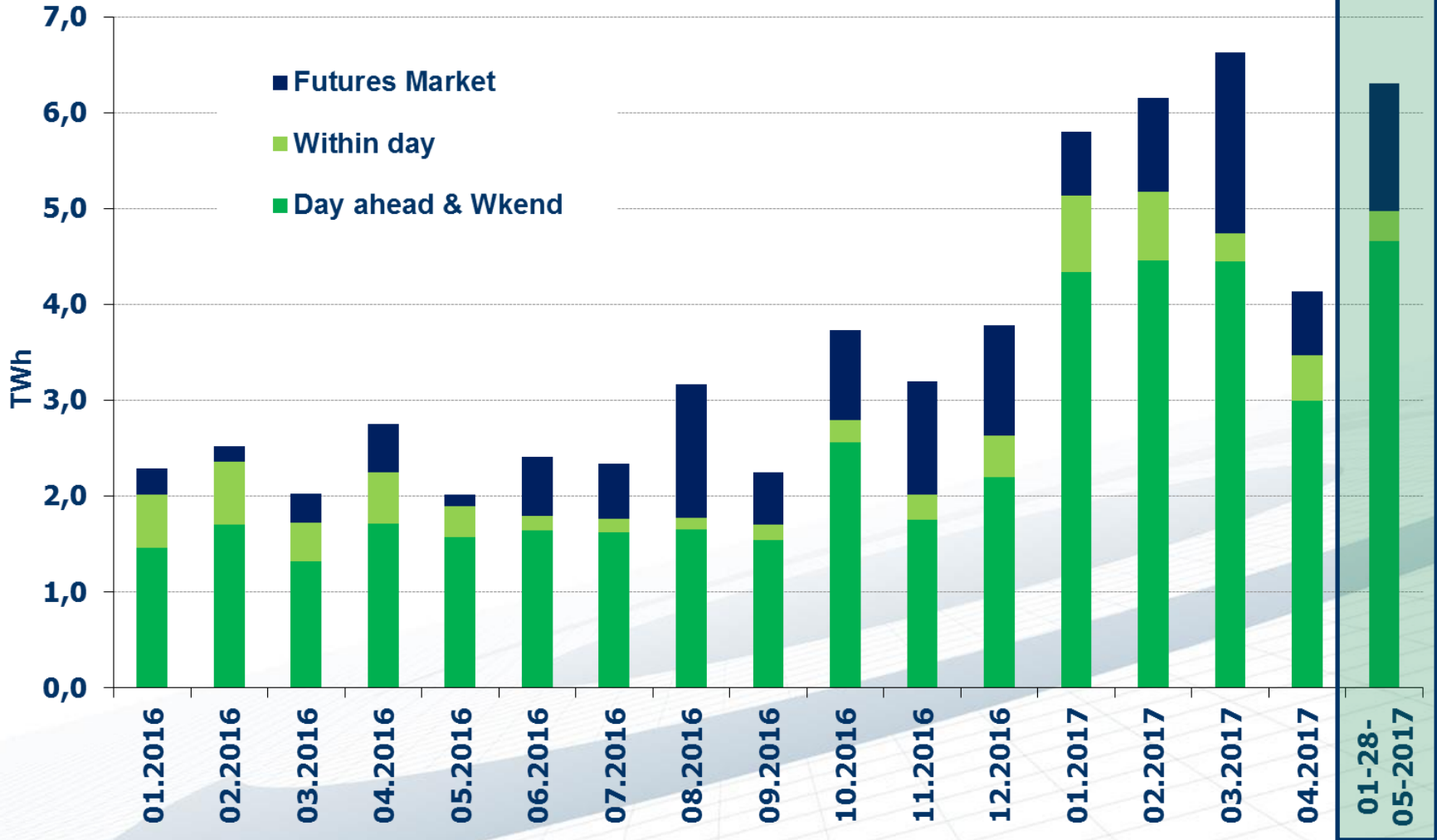
# Monthly Trading Volume since Dec 2009



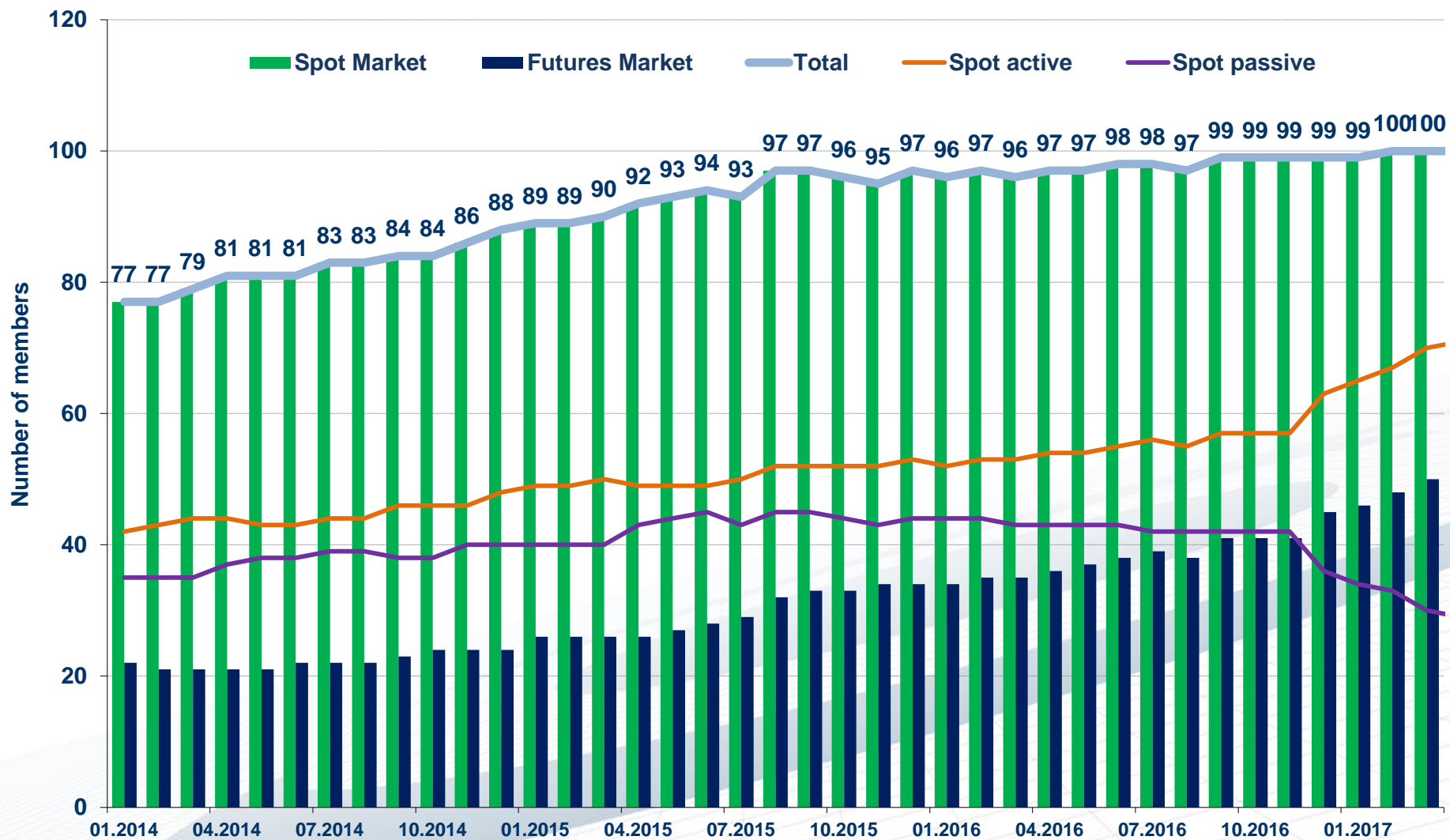
# Monthly Trading Volume since January 2014



Trading volume single counted



# Monthly Development of Members since Jan 2014



# Registered Members PEGAS CEGH Gas Market



100 Trading Participants

Spot Market

13 Clearing Participants

11 Clearing Participants

Futures Market

51 Trading Participants

# Registered Members PEGAS CEGH Market



## 70 Active members

TOTAL GAS & POWER



## 30 Solely passive members



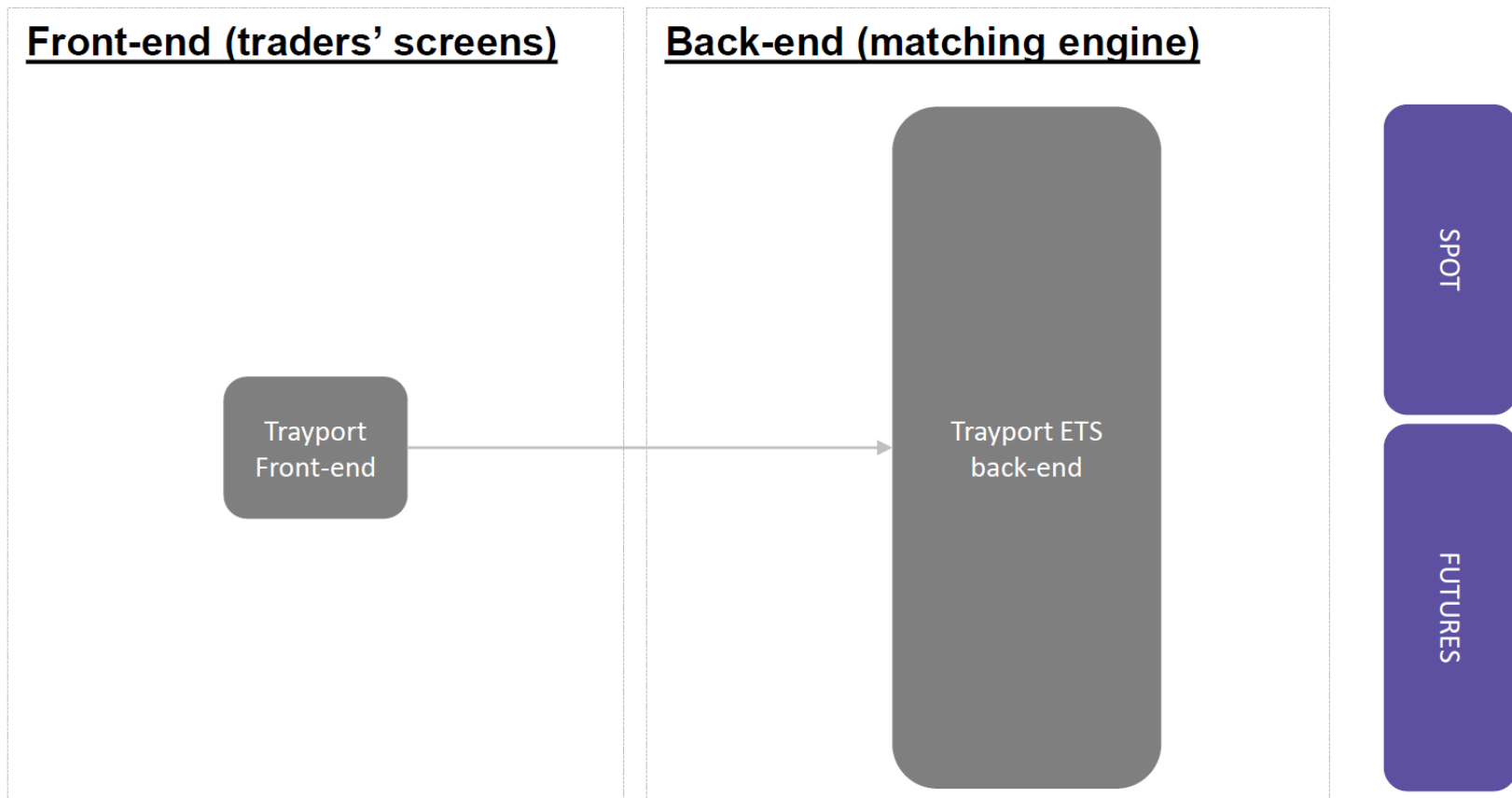
## 13 Clearing Participants



# T7 Back-End Migration



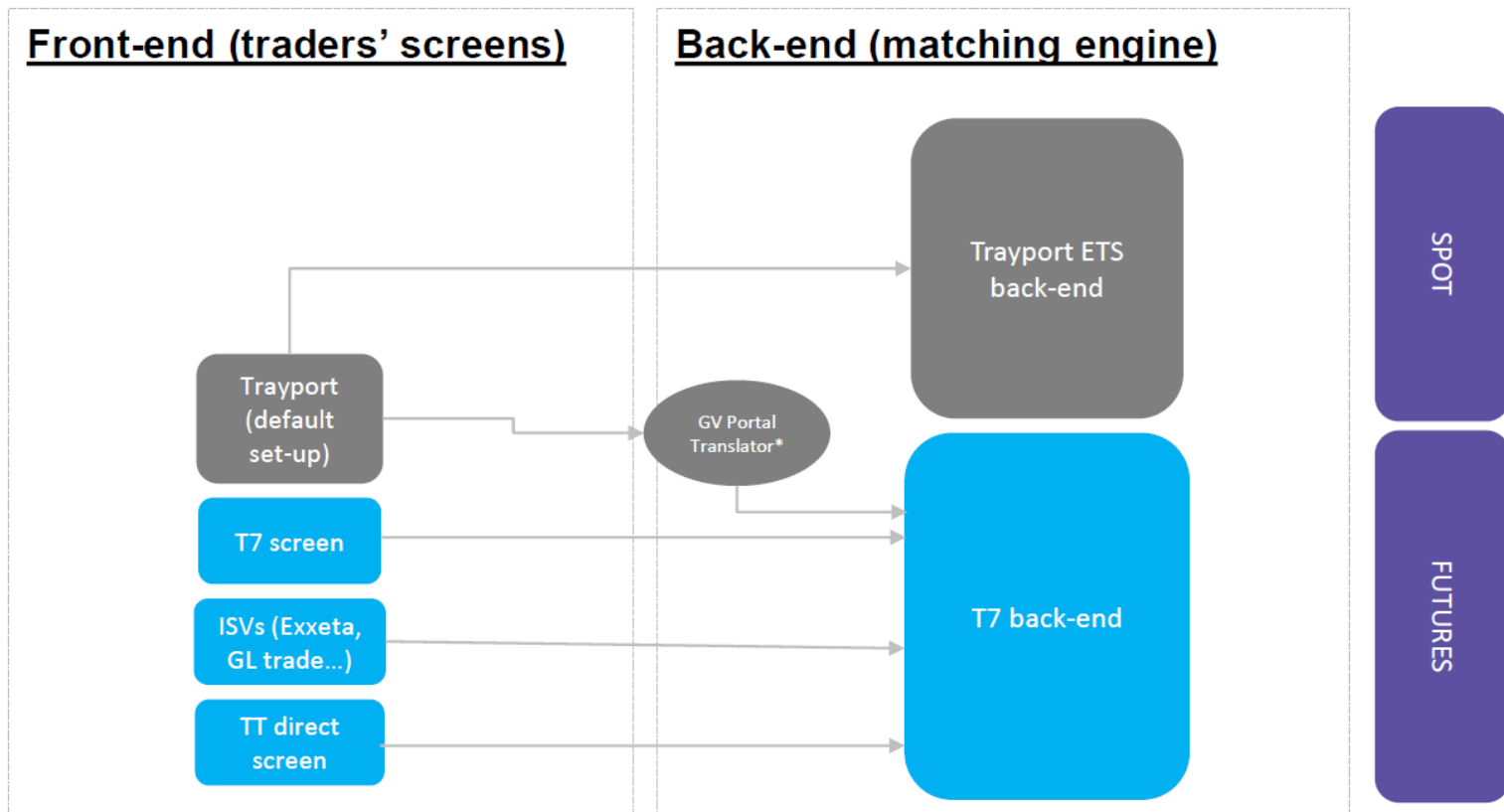
Today, as PEGAS is on a Trayport back-end, all traders need to be connected to a Trayport screen. Some ISVs can be connected to the Trayport front-end but not directly to the Trayport back-end.



# T7 Back-End Migration



As of September 2017, the PEGAS futures back-end will switch to T7. Traders need to use Trayport to connect to the spot market of PEGAS and can still use Trayport for the futures part, especially to have all PEGAS products on the same screen. Other front-ends can be used to connect to PEGAS futures.



\* Translates the T7 API into Trayport API

# T7 Back-End Migration



## Impact for Spot only members

- Nothing will change for these customers in terms of trading:
  - Direct Screen users can stay on the GV Direct Screen front-end or decide to migrate to Joule Direct
  - No changes for Trading Gateway users

However, Spot only traders connecting using a GV Direct Screen front-end would not be able to see the Futures prices unless they switch to Joule Direct



# T7 Back-End Migration



## Impact for Futures only members

**For these customers, the default setup will be Trayport so that they can see Spot and Futures on the same front-end.**

- Requires an installed GV Portal, independantly of the choosen Trayport front-end
- Direct Screen users
  - Need to migrate from Global Vision to Joule Direct
  - Customers will be contacted individually
- Trading Gateway users
  - Brokers code will need to be changed inside the company's back office sytem if used

Members that wishes to use another front-end than Trayport on Futures (T7, TT, ISV, etc.) will have separate front-ends for Spot and Futures.

# T7 Back-End Migration



## Impact for Spot and Futures members

### For these customers, the default setup will be Trayport:

- Requires an installed GV Portal, independantly of the choosen Trayport front-end
- Direct Screen users
  - Need to migrate from Global Vision to Joule Direct
  - Customers will be contacted individually
- Trading Gateway users
  - Brokers code will need to be changed inside the company's back office system is used

### Other front-ends are available for Futures:

- T7 Direct Screen
- TT Direct Screen
- One of the supported ISVs

# T7 Back-End Migration



## Notable functional changes when using T7 back-end

- **Automatching of orders**
  - It will be possible to insert limit orders at the same price of an opposite order already in the order book
  - These orders will then be automatically matched
- **All-or-none orders**
  - This functionality, which enables a trading participant to prevent its orders from being partially executed, is not supported by T7
- **Pre-trade limits**
  - Contrary to Trayport, T7 offers pre-trade limit functionalities, that can be entered by the market participant himself but also by its Clearing Member
- **Third Party Trading**
  - Members can distinguish activity at the order level instead of the trading account level

# Ongoing and Future Projects



## Prompt products

BoM, BoW, WDNW, Week+2, WE +3, FR/BK half month.

Will be listed as:

- as non-MTF derivatives(no reporting)
- but within ECC's Spot Market Settlement System (SMSS)
- to fit with members' IT and operations constraints (Spot like settlement, no mark to market)

## Options Registration Service

- In a first step will be an OTC Options Registration Service



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**Thank you very much  
for your attention**

