

10TH ENTSOG TRANSPARENCY WORKSHOP

BRUSSELS, 8TH DECEMBER, 2016

**Bloomberg Energy Data:
Use case on ENTSOG Transparency Platform data**

**Claire Borchers
Magda Matuszkiewicz**

INTRO

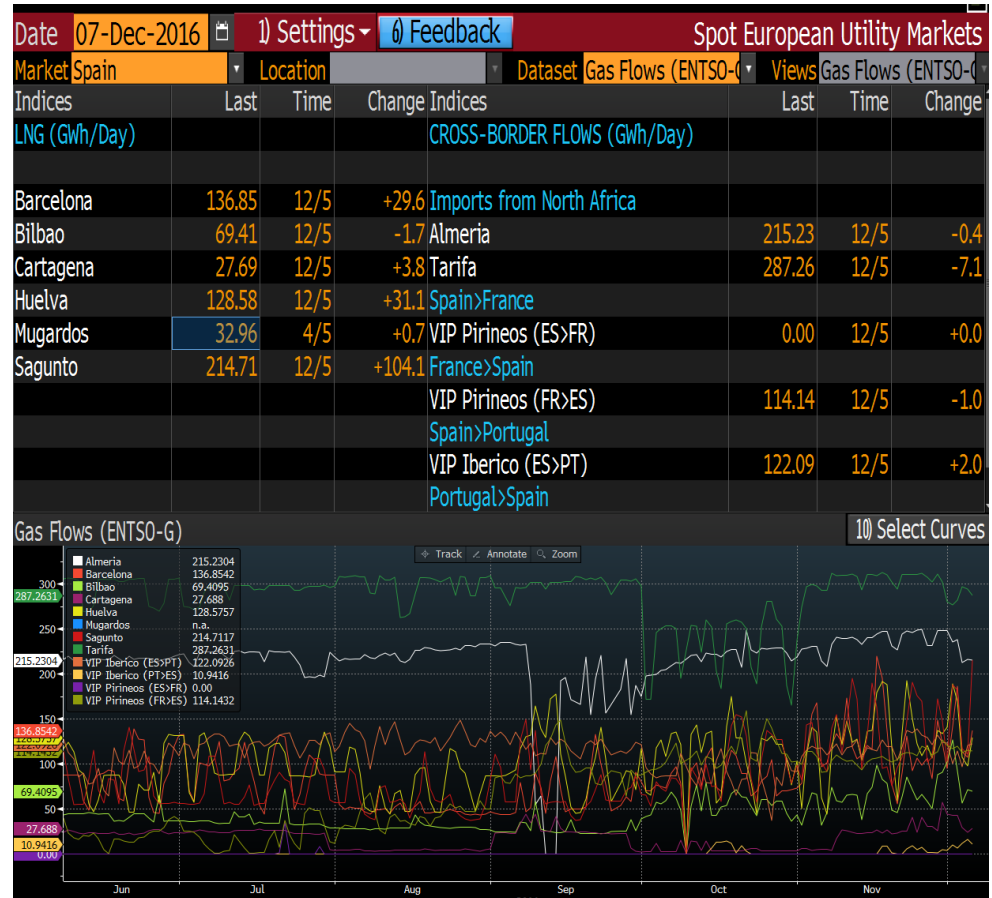
- Bloomberg
 - Business and financial news and information provider
 - Information including real-time data is provided for a range of markets and asset classes
 - Commodities, Economic Statistics, Foreign Exchange, Derivatives, Fixed Income, Equities, Fundamentals
- Power and Gas Data Team
 - Collect data from multiple sources
 - Publish this on the Bloomberg terminal for clients use (attributed to source)
 - Provide analytics and charting to analyse data
 - Provide news and research
 - Proprietary models

DATA USAGE TYPES

- Gas Product Data Types

- Forward Prices
- Spot Prices
- Outages
- Fundamentals
 - Demand
 - Consumption
 - Production/Generation
 - Storages
 - Flows
 - Capacities

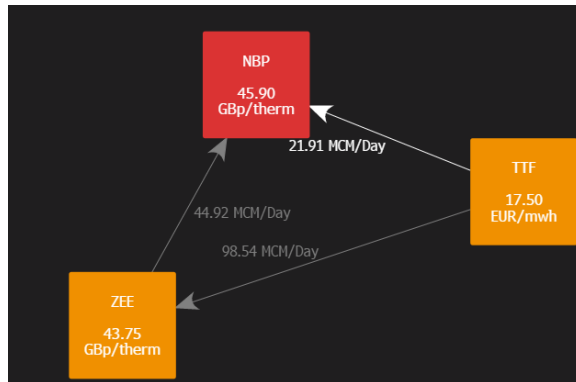
- Data sources



OUR OBJECTIVES

- We aim to provide a comprehensive image of the movement of natural gas among European hubs

Map showing real time flows on hub level



Detailed views for hubs

- 1. Summary (1)		
Demand (MCM/Day)	-429.3	-380.6
End Users	-215.2	-168.9
Interconnector Exports	-209.5	-211.7
Storage Injections	-4.6	.0
Supply (MCM/Day)	347.5	373.9
Norway	43.8	39.3
Production	163.6	187.9
LNG	.4	.4
Interconnector Imports	37.0	41.6
Balance (MCM/Day)	-81.9	-6.7
Storage Withdrawals	102.5	104.8
- 2. End User Detail (1)		
LDC	143.3	108.1
PDC	2.4	2.1
Industrial	69.6	58.7
- 3. Interconnection Detail (1)		
Gaspool (MCM/Day)	9.7	8.6
Dinxperlo (BEW)	.0	.0
Vliegghuis (RWE)	-4.2	-4.2
Oude Stanzijl (GASCADE-H)	24.9	23.0
Oude Stanzijl (GUD-G)	-7.0	-6.4
Oude Stanzijl (GUD-H)	.0	.0
Oude Stanzijl (GTG NORD-G)	-3.9	-3.8
NBP (MCM/Day)	-17.5	-18.7
Julianadorp (BBL)	-17.5	-18.7
NCG (MCM/Day)	-78.7	-72.6
Haanrade (Thyssengas)	-1	-1
Bocholtz TENP	-23.9	-23.0
Bocholtz Vetschau (Thyssengas)	.0	.0
Toggen (GCE)	.0	.0

- Data sourced from the ENTSOG Transparency Platform:

Indicators	Granularity	Markets
<ul style="list-style-type: none"> Physical Flows Capacity (Firm Technical, Firm Booked, Firm Available) GCV 	<ul style="list-style-type: none"> Hourly Daily 	<ul style="list-style-type: none"> NBP, TTF, ZEE NCG, GASPOOL PEG Nord, TRS

USER EXPERIENCE

- ENTSOG Transparency Platform vs TSO websites
 - Harmonisation, availability on a single platform
 - API
- How do we interact with the platform
 - API - Transport Data file for ca 40 TSOs
 - Website functionalities
 - Maps
 - Overview of key infrastructure
 - Consultation of data for a specific point
 - Creation of aggregates
 - Charts
 - QC

The screenshot displays the ENTSOG Transparency Platform interface. At the top, a dark header shows 'NCG Balancing Zone' and the ID '37Z701125MH00004'. Below this is a navigation bar with four tabs: 'Entry points' (active), 'Exit points', 'Aggregate entries', and 'Aggregate exits'. The main content area features a table with the following data:

		From		Operator	Point Label
+	==	Austria		GCA	Oberkappel
+	==	Austria		GCA	Oberkappel
+	==	Austria		Vorarlberger Erdgas	RC Lindau

Below the table is a 'RECENTLY VIEWED ITEMS' section with a close button (X). It contains two tabs: 'Points' (active) and 'Zones'. A 'Clear all points' button is also present. The list of items includes:

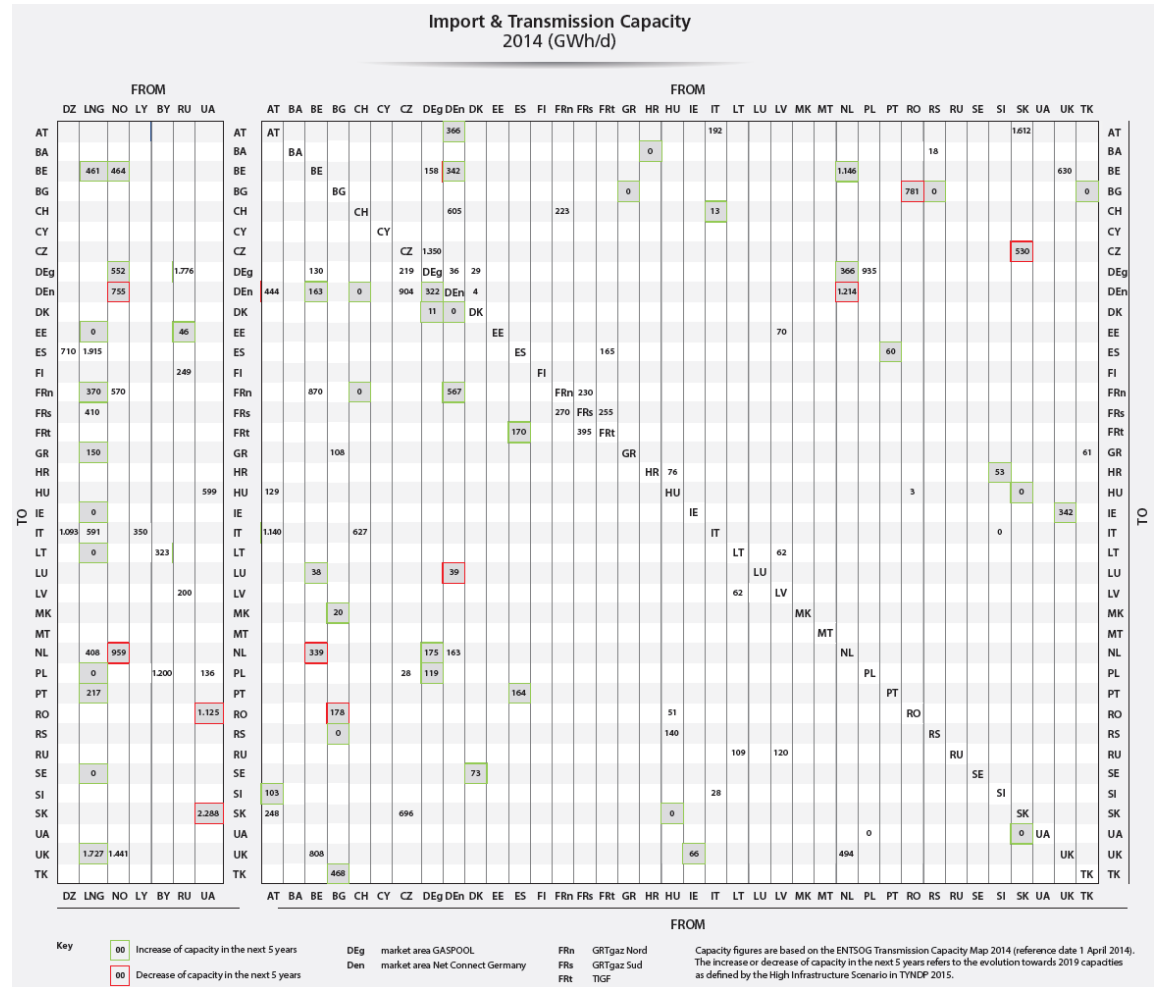
- Steinitz (2 directions) with icons for close, star, and location.
- Eynatten 2 (BE) // Lichtenbusch / Raeren (DE) (2 directions) with icons for close, star, and location.

CHALLENGES

- Unit Conversions
 - GWh > MCM
 - GCV and flow matching
- API Stability
 - Affects how we pull and publish the data
- Zeroes/NAs
 - Can't treat all zeroes as true zeroes
 - Complicates publishing and calculations
- Inconsistencies Across TSOs
- Reporting Lags

CHALLENGES

- Aggregations
 - Points > Hub to Hub Flows
 - Map provided but lack of transparency into calculations
- Direction of flow on country/hub basis
 - Not provided in the Transport file



FUTURE PLANS

- Addition of more data:
 - Expand coverage taken from the transport file
 - Technical difficulties in parsing
 - Stopped publishing on their own platforms
 - Regional expansion
 - Focus will still be on the same indicators
 - Hourly Data

THANK YOU!

QUESTIONS?