

New Transparency Platform

Presentation of the New TP

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Legal obligation



Legal Obligation



1. Transparency Guidelines (Reg. (EC) 715/2009, Chapter 3 of Annex 1)

- Definition of the technical information necessary for network users to gain effective access to the system
- Definition of all relevant points for transparency requirements
- Definition of the information to be published at all relevant points and the time schedule according to which that information shall be published

2. Congestion Management Procedure

- Amendment of Transparency Guidelines by CMP Commission Decision of 24th August 2012(2012/490/EU)
- TSOs obliged to publish data on a Union-wide central platform, ENTSOG Transparency Platform
- New data to be published (CMP data)





New Transparency Platform: new tools and features

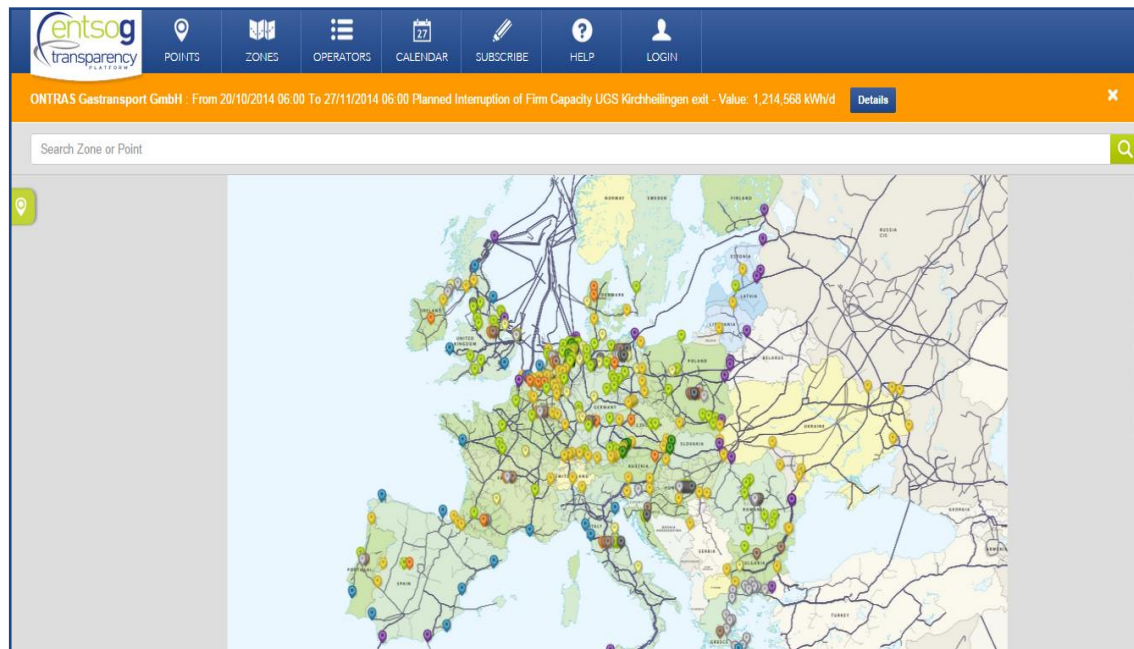


Interconnection Point Map



Merger of the previous commercial and operational maps with:

- improved layout
- dynamic filtering for points
- display settings for pipelines



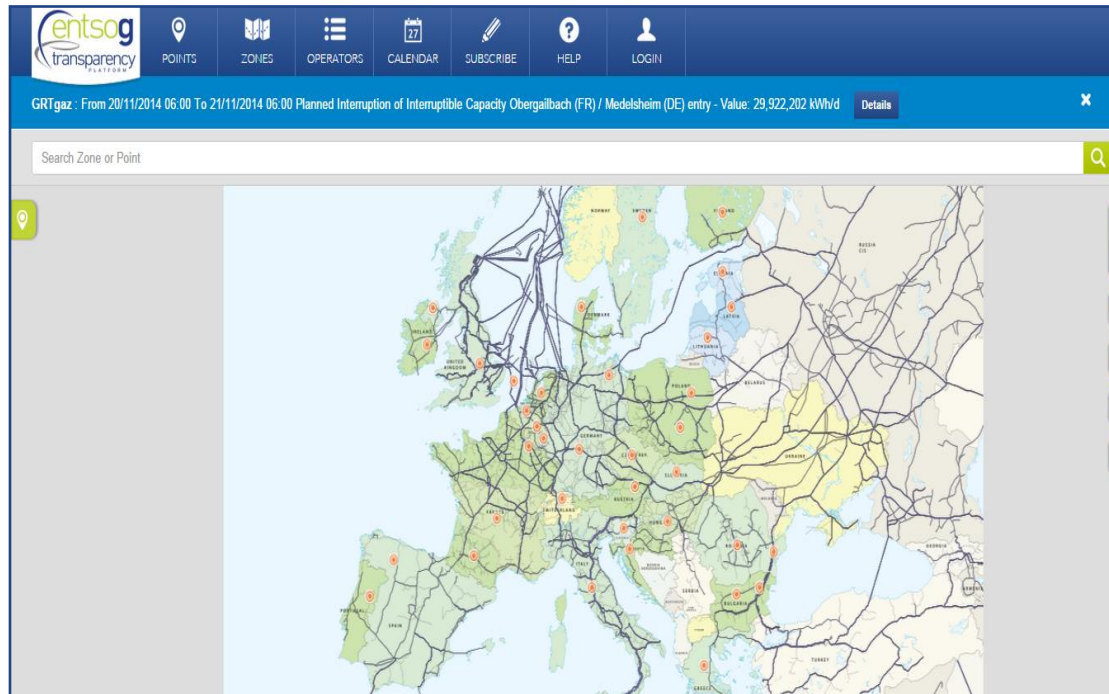


Balancing Zone Map



The Balancing Zone Map displays:

- the European balancing zones
- the aggregated connections between them





Maps information



Display settings

The screenshot shows a panel titled "DISPLAY SETTINGS" with a close button (X) in the top right corner. On the left side of the panel is a vertical toolbar with icons for zooming in (+), zooming out (-), full screen, layers, and information. The main area contains a list of settings, each with a toggle switch:

- Show/Hide Gas fields: OFF
- Show/Hide Drilling platforms: OFF
- Show/Hide Projected points and pipelines: OFF
- Show/Hide Small Pipelines (under 600 mm): ON
- Show/Hide Medium Pipelines (under 900 mm): ON
- Show/Hide Large Pipelines (over 900 mm): ON
- Show/Hide Country Names: OFF
- Show/Hide Location Names: OFF

Filters

The screenshot shows a panel titled "FILTERS" with a close button (X) in the top right corner. It features the same vertical toolbar as the Display Settings panel. The main area contains a list of filter options, each with a toggle switch or a dropdown menu:

- Show/Hide all Connection points: ON
- Show/Hide all Balancing zones: OFF
- Points
- Show/Hide Projected Points: Please select a value
- Show/Hide Connection Type: Please select a value
- Show/Hide EU Crossing: Please select a value
- Show/Hide Connected Infrastructure Type: Please select a value
- Show/Hide TSO: Please select a value
- Show/Hide Balancing zone: Please select a value

Legend

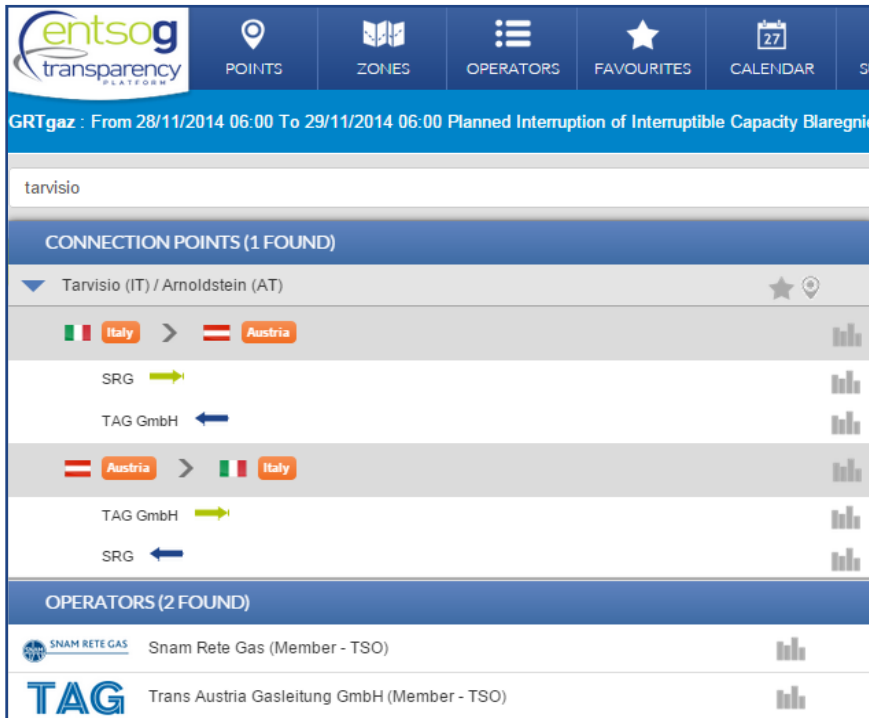
The screenshot shows a panel titled "LEGEND" with a close button (X) in the top right corner. It features the same vertical toolbar as the other panels. The main area is titled "Color codes" and lists various map symbols with their corresponding names:

- Cross-Border Interconnection Point (Yellow location pin)
- Distribution Point (Grey location pin)
- LNG Entry Point (Blue location pin)
- Final Consumer Point (Brown location pin)
- Production Point (Black location pin)
- Virtual Trading Point (Orange location pin)
- Cross-Border Storage Point (Green location pin)
- LNG Storage Point (Cyan location pin)
- In-Country Interconnection Point (Yellow location pin)
- Import Point (Purple location pin)
- Storage Point (Light green location pin)
- Balancing Zone (Orange circle)

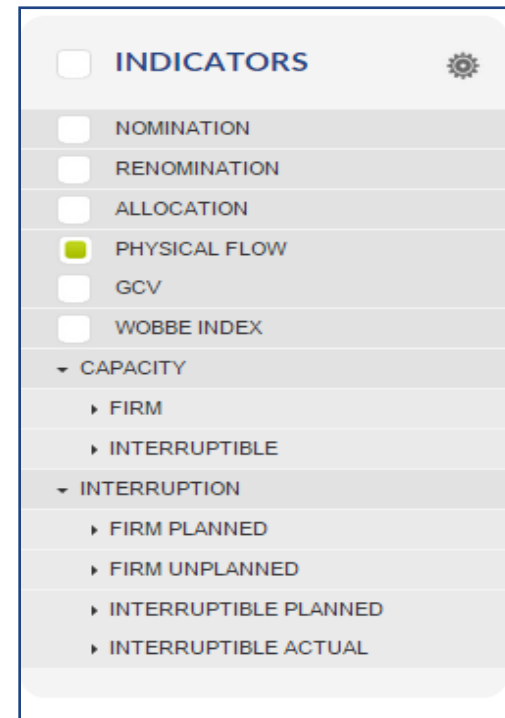
Select points and Indicators Available

The Network User can Select the Point by:

- Map directly
- TSOs' name
- Country's name
- Point's name



The screenshot shows the entsog transparency platform interface. The top navigation bar includes the entsog logo and icons for POINTS, ZONES, OPERATORS, FAVOURITES, and CALENDAR. The main content area displays a notification for a planned interruption of interruptible capacity in Blaregnie from 28/11/2014 06:00 to 29/11/2014 06:00. Below this, the search results for 'tarvisio' are shown, including a section for 'CONNECTION POINTS (1 FOUND)' and a section for 'OPERATORS (2 FOUND)'. The connection points section shows a bidirectional flow between Italy and Austria, with TSOs SRG and TAG GmbH. The operators section lists Snam Rete Gas and Trans Austria Gasleitung GmbH.



The screenshot shows the indicators selection menu in the entsog transparency platform. The menu is titled 'INDICATORS' and includes a gear icon for settings. The indicators are listed as follows:

- NOMINATION
- RENOMINATION
- ALLOCATION
- PHYSICAL FLOW
- GCV
- WOBBE INDEX
- ▼ CAPACITY
 - ▶ FIRM
 - ▶ INTERRUPTIBLE
- ▼ INTERRUPTION
 - ▶ FIRM PLANNED
 - ▶ FIRM UNPLANNED
 - ▶ INTERRUPTIBLE PLANNED
 - ▶ INTERRUPTIBLE ACTUAL



Favourite points (1)



The Network User can select the point as Favourite through the “star”.

The screenshot displays the entsog transparency platform interface. At the top, there is a navigation bar with icons for POINTS, ZONES, OPERATORS, FAVOURITES, CALENDAR, SUBSCRIBE, HELP, and DAVIDE. Below the navigation bar, a blue banner indicates a planned interruption: "GRTgaz : From 01/12/2014 06:00 To 02/12/2014 06:00 Planned Interruption of Interruptible Capacity Ollingue (FR) / Rodersdorf (CH) exit - Value: 29,922,2".

A search bar contains the text "larrau". Below the search bar, the results are categorized into "CONNECTION POINTS (1 FOUND)". The first result is "Larrau", which is marked as a favourite with a yellow star icon. To the right of the "Larrau" entry is a map of Europe showing various connection points marked with colored dots.

Under "CONNECTION POINTS (1 FOUND)", the "Larrau" entry is expanded to show two directions of flow:

- Spain > PEG TIGF**: This direction shows flow from Enagas (indicated by a green arrow pointing right) to TIGF (indicated by a blue arrow pointing left).
- PEG TIGF > Spain**: This direction shows flow from TIGF (indicated by a green arrow pointing right) to Enagas (indicated by a blue arrow pointing left).

Below the connection points, the "OPERATORS (2 FOUND)" section lists:

- enagas** Enagas (Member - TSO)
- TIGF** TIGF (Member - TSO)

At the bottom, the "ZONES (2 FOUND)" section is partially visible.



Favourite points (2)



The Network User can add the Favourite point in a specific Group.

The screenshot displays the 'entsog transparency PLATFORM' interface. The top navigation bar includes icons for POINTS, ZONES, OPERATORS, FAVOURITES, CALENDAR, SUBSCRIBE, HELP, and DAVIDE. A blue banner at the top shows a notification: 'GRTgaz : From 01/12/2014 06:00 To 02/12/2014 06:00 Planned Interruption of Interruptible Capacity Blaregnies L (BE) / Taisnières B (FR) entry - Value: 49,870,337 kWh/d'. Below this is a search bar containing 'larrau'. A 'Create new group' button is visible. The main content area shows a group named 'SPAIN/FRANCE' with 1 item. Underneath, a detailed view for 'Larrau' is shown, containing two entries:

- Spain > PEG TIGF**: Enagas (green arrow), TIGF (blue arrow)
- PEG TIGF > Spain**: TIGF (green arrow), Enagas (blue arrow)

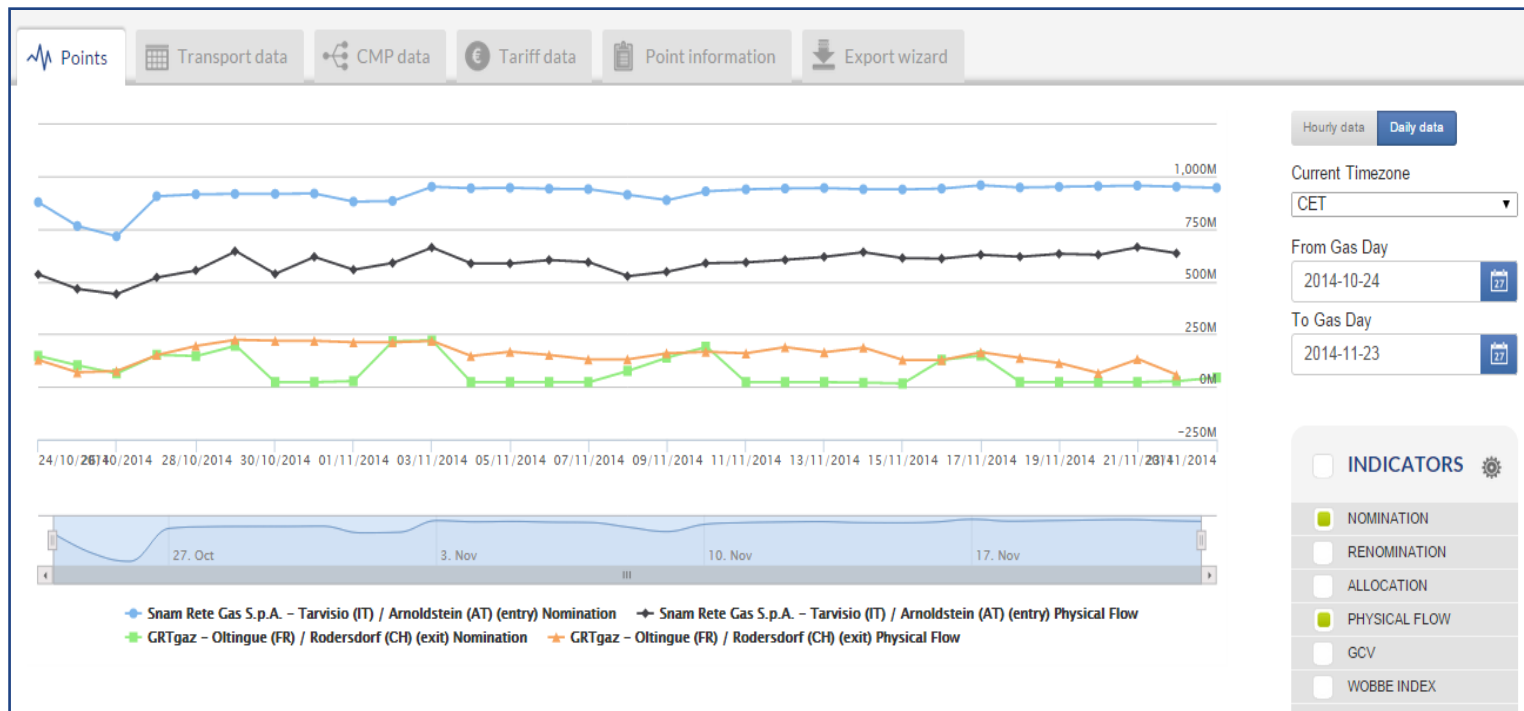
Each entry includes a small bar chart icon on the right.



Charts and Graphs



The new TP enables the Network User to display the "indicators" in graphs and to compare the values of different relevant points



Fulfills ACER and User relevant request



Time stamp



Clear indication of the date and time of data publication (time stamp) and opportunity to upload hourly data.

Point ▲	Operator ▼▲	TSO Point Identifier ▼▲	Direction ▼▲	Gas day / Gas hour ▼▲	Indicator ▼▲	Value ▼▲	Status ▼▲	Last update ▼▲
<input type="text" value="Point"/>	<input type="text" value="Operator"/>	<input type="text" value="TSO Point Identifier"/>	<input type="text" value="Direction"/>	<input type="text" value="Gas day / Gas hour"/>	<input type="text" value="Indicator"/>	<input type="text" value="Value"/>	<input type="text" value="Status"/>	<input type="text" value="Last update"/>
Kienbaum	GASCADE Gastransport GmbH	37Z0000000010781	exit →	07/09/2014 05:00 - 07/09/2014 06:00	Physical Flow	1,827,022 kWh/h	●	07/09/2014 12:29
Kienbaum	GASCADE Gastransport GmbH	37Z0000000010781	exit →	07/09/2014 04:00 - 07/09/2014 05:00	Physical Flow	1,826,535 kWh/h	●	07/09/2014 12:29
Kienbaum	GASCADE Gastransport GmbH	37Z0000000010781	exit →	07/09/2014 03:00 - 07/09/2014 04:00	Physical Flow	1,829,712 kWh/h	●	07/09/2014 12:29
Kienbaum	GASCADE Gastransport GmbH	37Z0000000010781	exit →	07/09/2014 02:00 - 07/09/2014 03:00	Physical Flow	1,826,861 kWh/h	●	07/09/2014 12:29
Kienbaum	GASCADE Gastransport GmbH	37Z0000000010781	exit →	07/09/2014 01:00 - 07/09/2014 02:00	Physical Flow	1,826,316 kWh/h	●	07/09/2014 12:29
Kienbaum	GASCADE Gastransport GmbH	37Z0000000010781	exit →	07/09/2014 00:00 - 07/09/2014 01:00	Physical Flow	1,829,218 kWh/h	●	07/09/2014 12:29
Kienbaum	GASCADE Gastransport GmbH	37Z0000000010781	exit →	06/09/2014 23:00 - 07/09/2014 00:00	Physical Flow	1,830,106 kWh/h	●	07/09/2014 12:29
Kienbaum	GASCADE Gastransport GmbH	37Z0000000010781	exit →	06/09/2014 22:00 - 06/09/2014 23:00	Physical Flow	1,826,731 kWh/h	●	07/09/2014 12:29

Fulfills ACER relevant request



Data quality (1)



TP data format standardized:

■ Agreement with ACER on:

- Data published
- Units to be used
- Message to indicate special cases

ENTSO-TF TRANSPARENT PLATFORM INFORMATION		ENTSO-TF TRANSPARENT PLATFORM - DATA PUBLICATION FORMAT					
Fielding and message	No.	Information required for publication	Standard Code	TCDF Data available	TCDF Data not used	Message not applicable	Comments
Capacity	1	Technical Capacity	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	2	Residual Firm Capacity	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	3	Available Firm Capacity	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	4	Total Intermittent Capacity	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	5	Total Residual Intermittent Capacity	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	6	Available Intermittent Capacity	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
Nameplate	1	Nameplate	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	2	Descriptive	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
Flow	1	Allocation	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	2	Actual Physical Flow	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
Value Added	1	Cost Category Value	EUR/h	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	2	Value Added	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
Interruption	1	Interruption Capacity	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	2	Planned description of interruption	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	3	Actual description of interruption	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	4	Planned interruption % of interruption	%	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	5	Actual interruption % of interruption	%	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
No Interruption	1	Firm Capacity	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	2	Planned interruption of firm	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	3	Unplanned interruption of firm	MW(L) or MW(S)	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
	4	Planned interruption %	%	Figure In case of ENCI → ENCI In case of UNLIMITED → UNLIMITED	No data published	Not applicable (ENCI/UNCI)	
GDF	1	Start period	Date	Figure	No data published (DATE)	Not applicable (DATE)	
	2	End period	Date	Figure	No data published (DATE)	Not applicable (DATE)	
	3	Capacity	Figure	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point with a duration of one month or longer (correctly being covered by another product)
	4	Equipment reference	MW(L) or MW(S)	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point with a duration of one month or longer (correctly being covered by another product)
	5	Geographical reference	MW(L) or MW(S)	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point with a duration of one month or longer (correctly being covered by another product)
	6	Capacity type	MW(L) or MW(S)	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point with a duration of one month or longer (correctly being covered by another product)
GDF	1	Start period	Date	Figure	No data published (DATE)	Not applicable (DATE)	
	2	End period	Date	Figure	No data published (DATE)	Not applicable (DATE)	
	3	Capacity	Figure	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point through the application of the capacity management procedure
	4	Equipment reference	MW(L) or MW(S)	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point through the application of the capacity management procedure
	5	Geographical reference	MW(L) or MW(S)	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point through the application of the capacity management procedure
	6	Capacity type	MW(L) or MW(S)	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point through the application of the capacity management procedure
GDF	1	Start period	Date	Figure	No data published (DATE)	Not applicable (DATE)	
	2	End period	Date	Figure	No data published (DATE)	Not applicable (DATE)	
	3	Capacity	Figure	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point through the application of the capacity management procedure
	4	Equipment reference	MW(L) or MW(S)	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point through the application of the capacity management procedure
	5	Geographical reference	MW(L) or MW(S)	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point through the application of the capacity management procedure
	6	Capacity type	MW(L) or MW(S)	Figure	Message defined by Tick in the point (REMARK)	Not applicable (REMARK)	In case "No Data Border" Correctly there are no reports for the capacity products in this point through the application of the capacity management procedure
Units	1	Planned firm capacity	Capacity Unit	Figure	No data published	Not applicable (ENCI/UNCI)	
	2	Available firm capacity	Capacity Unit	Figure	No data published	Not applicable (ENCI/UNCI)	
	3	Available intermittent capacity	Capacity Unit	Figure	No data published	Not applicable (ENCI/UNCI)	
	4	Available total capacity	Capacity Unit	Figure	No data published	Not applicable (ENCI/UNCI)	
	5	Available total capacity	Capacity Unit	Figure	No data published	Not applicable (ENCI/UNCI)	
	6	Other firm capacity	Capacity Unit	Figure	No data published	Not applicable (ENCI/UNCI)	

Important for all TP users to have a common understanding



Data quality (2)



The New TP displays data in more structural way:

- Additional info to add clarity: Unsuccessful request

▼ CMP Unsuccessful Requests											
Point ▲	Operator ▼▲	TSO Point Identifier ▼▲	Direction ▼▲	Period From ▼▲	Period To ▼▲	# Occurrences ▼▲	Requested Volume ▼▲	Allocated Volume ▼▲	Unsuccessful request ▼▲	Unit ▼▲	Last update date ▼▲
Point	Operator	TSO Point Identifier	Direction	Period From	Period To	# Occurrence	Requested	Allocated	Unsuccessful	Unit	Last update
Larrau	Enagás ⓘ	21Z000000000036Y	exit	25/10/2014 00:00	24/11/2014 00:00						25/11/2014 09:11

Cooperation with ACER has been useful for both parties

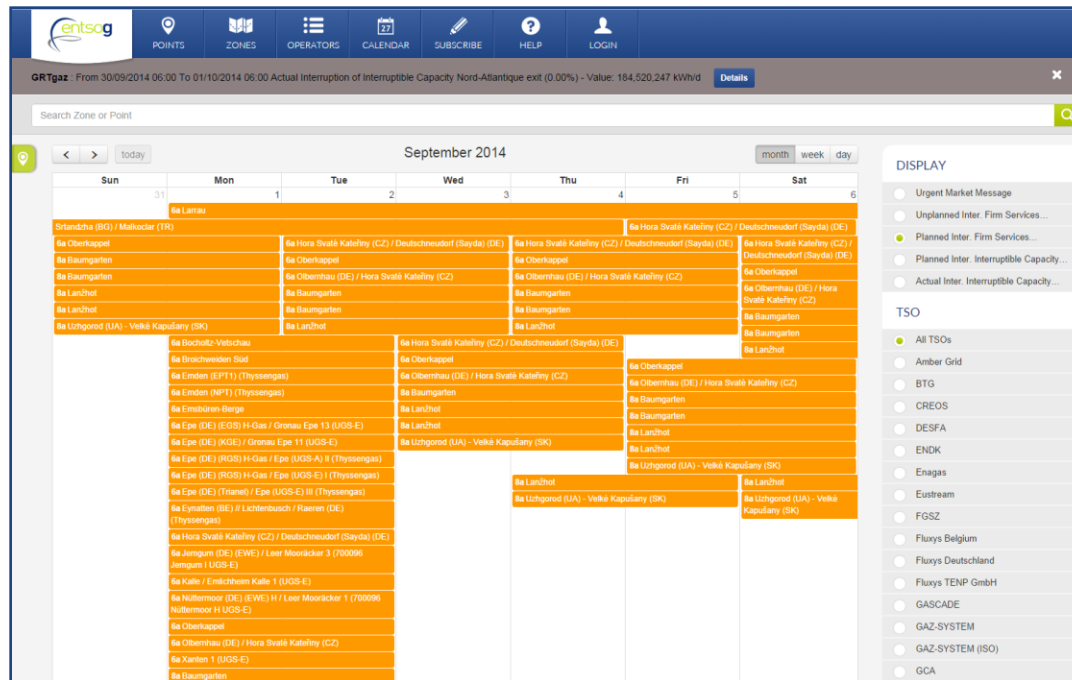


Data quality (3)



New calendar:

- Maintenance plans per TSO
- Urgent Market Messages



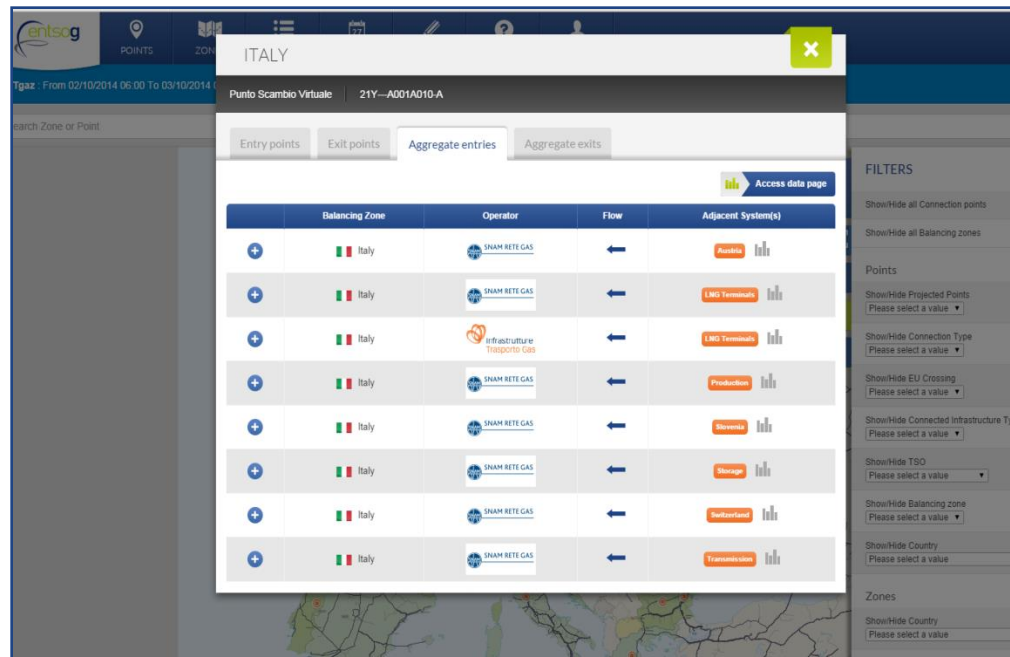
Improved transparency



Does it provide quick overviews?

Country totals

- Aggregate exits and entries per country



Tool that provides higher level of information



Link to TSOs standardized section (1)

Direct link to TSOs' website that display standardized section for Transparency information.

 NEL Gastransport GmbH 	 National Grid 	 jordgasTransport GmbH 	 Interconnector (UK) Limited
Kölnische Straße 108–112 34119 Kassel Germany	Nat. Grid House Warwick Technology Park CV34 6DA Warwick United Kingdom	26723 Emden Germany	8th Floor 61 Aldwych London WC2B 4AE United Kingdom
Homepage Standardized Section	Homepage Standardized Section	Homepage Standardized Section	Homepage Standardized Section
 Infrastrutture Trasporto Gas S.p.a. 	 GRTgaz Deutschland 	 GRTgaz 	 Gasunie Transport Services
3 Sede legale in Via Santa Maria Valle 20123 Milano Italia	56 Zimmerstrasse 10117 Berlin Germany	Immeuble BORA 6 rue Raoul Nordling 92277 BOIS COLOMBES France	17 Concourslaan 9700 AD Groningen Netherlands
Homepage Standardized Section	Homepage Standardized Section	Homepage Standardized Section	Homepage Standardized Section



Link to TSOs standardized section (2)



Annex to regulation	Description	Link
3.1.2 a)	A detailed and comprehensive description of the different services and their charges	+ Services description. Chapter 3 of the Network Code
		+ Services Booking. Chapter 5 of the Network Code
		+ Applicable Charges
3.1.2 b) u. c) 1.	Different transportation contracts and other significant documents	+ Contracts description. Chapter 5 of the Network Code
		+ Significant documents
3.1.2 c)	Network code / standard conditions	+ Snam Rete Gas Network Code
3.1.2 c) 2.	Specification of relevant gas quality parameters	+ Gas quality parameters. Chapter 11 of the Network Code, Annex A
		+ Contractual obligations. Chapter 19 of the Network Code, § 1.1.2 and 1.2.2
3.1.2 c) 3.	Pressure requirements	+ Pressure requirements are included in the specific files per point typology
3.1.2 c) 4.	Procedure in the event of an interruption of interruptible capacity	+ Procedure for interruption, Chapter 3 of the Network Code, § 2.2
		+ Services characteristic. Page 2 of the document
3.1.2 d)	Harmonised procedures applied when using the transmission system, including the definition of key terms	+ Harmonised Procedures
		+ Definitions of key terms
3.1.2 e)	Provisions on capacity allocation, congestion management and anti-hoarding and reutilisation procedures	+ Chapter 5 of the Network Code: Capacity allocation § 3,4,5; congestion management and reutilisation procedures § 7; anti-hoarding § 1.1
3.1.2 f)	Rules applicable for capacity trade on the secondary market vis-à-vis the transmission system operator	+ Chapter 7 of the Network Code

Easy access to standardized structure of information



Data download (1)



Downloading

- In csv or xml

Filters

- All points or All CAM-Relevant Points
- Operators
- Data
- Favorites Group

Export options

By default, export wizard is returning currently selected points in recently viewed panel and indicator. You can extend this selection by using "All points" and "All points from" fields

All points

All CAM-Relevant points

All points from

Source

Favorites group

Format

Delimiter

Export infos

Total rows returned 31



Data download (2)



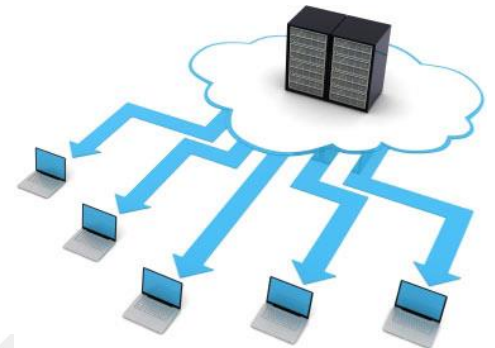
Download through REST API

- Open to all the users
- Queries are formulated through URLs

Download through RSS

- RSS-feeds are available, containing the latest UMMs and interruptions sent to the platform

→ Transfer of public data from ENTSOG's Transparency Platform to Network User





REMIT Urgent Market Message

1. Disclosure of Inside Information for European gas Market Participants
2. ENTSOG provides the tool on its Transparency Platform
3. Notification (RSS feed) in case of new data available

The screenshot shows the ENTSOG Transparency Platform navigation bar. It features the ENTSOG logo on the left, followed by nine menu items: POINTS, ZONES, OPERATORS, FAVOURITES, CALENDAR, SUBSCRIBE, HELP, and DAVIDE. Below the navigation bar, a grey banner displays a market message: "GRTgaz : From 25/11/2014 06:00 To 26/11/2014 06:00 Actual Interruption of Interruptible Capacity Dunkerque entry - Value: 35,906,643 kWh/d". A blue "Details" button is located on the right side of the banner.

→ [It's used on voluntary basis by TSOs](#)



Is registration necessary?



No, as required by Regulation, but registered users get...

- Easier access to predefined information:
 1. Favorite Points
 2. REMIT User

The screenshot displays the 'entsog transparency PLATFORM' interface. The top navigation bar includes icons for POINTS, ZONES, OPERATORS, CALENDAR, SUBSCRIBE, HELP, and LOGIN. A notification banner at the top reads: 'GRTgaz : From 25/11/2014 06:00 To 26/11/2014 06:00 Actual Interruption of Interruptible Capacity Oltingue (FR) / Rodersdorf (CH) exit - Value: 29,922,202 kWh/d' with a 'Details' button. Below the navigation is a search bar labeled 'Search Zone or Point'. The main content area features a 'Login' form with the following fields and options:

- Login** (header)
- Email address**: Input field labeled 'Email'
- Password**: Input field labeled 'Password'
- Links: 'Forgot your password?' and 'Request credentials'
- Submit** button



Links available



1. Transparency Platform offers direct links to:

- Gie – Gas Infrastructure Europe



- Gse – Aggregated Gas Storage Inventory



- Gle – Aggregated LNG Storage Inventory



- PRISMA –European Capacity Platform

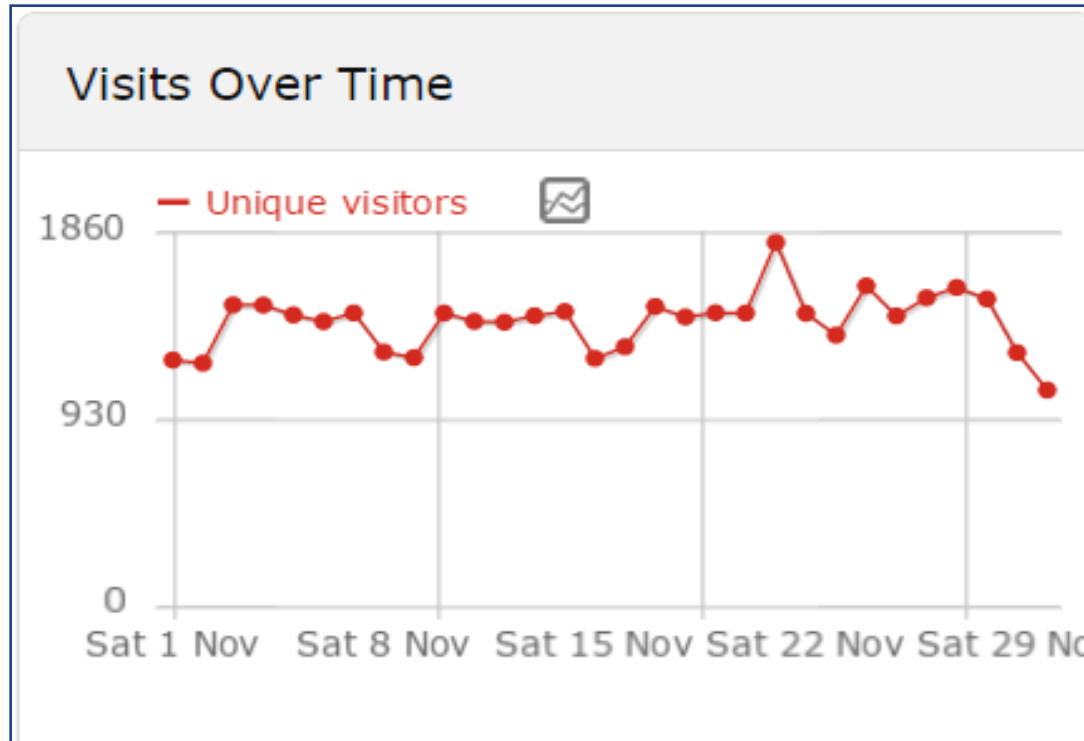




Statistics of Transparency Platform



Period: from 1st November to 30th November



Visitors: **43.000 (+50% than Old TP)**

Average visit duration: **23 min 2s**

Page views **1.910.000 (+35% than Old TP)**

Downloads: **1.691.000 (+125% than Old TP)**



Conclusions

Have users requests been taken care of?

- ✓ Improved data quality
- ✓ Improved display of information (charts and graphs)
- ✓ Opportunity to upload hourly data
- ✓ Time stamps
- ✓ CMP data
- ✓ Standard format of data

TSOs can choose data granularity and frequency for their data

ENTSOG will keep on improving Transparency Platform



Thank You for Your Attention

Davide Volzone

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Avenue de Cortenbergh 100, B-1000 Brussels

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WWW: www.entsog.eu