SYSTEM DEVELOPMENT MAP 2018 / 2019

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The System Development Map 2018 / 2019 presents existing infrastructure & capacity and planned infrastructure from the perspective of the year 2019.

The layout is based on the CAPMAP 2019 unless respective ENTSOG members provided update. Data presented in capacity matrix was extracted from Transparency Platform (with application of the 'Lesser-of' Rule), then amended and approved by TSOs on 13 December 2019.

The 2018 / 2019 historical data on demand & supply are presented aggregated in form of charts (covering summer and following winter to allow investigate gas storage usage). Values were taken from the respective Summer and Winter Review Report. Information regarding gas storage fill rate was taken from GIE AGSI+.

The Country Profiles includes demand data represent actual country demand for the respective days/periods, storage & LNG capacities according to the interconnection to the country's transmission system and installed gas-fired power generation capacity (additional data sources: GSE 2018 Storage Map (including necessary updates), GLE 2019 LNG Map and ENTSO-E Statistical Factsheet). The gas production reflects the maximum deliverability achieved.

All data provided in the map are for information purposes and shall be treated as indicative only.
Under no circumstances shall they be regarded as data for commercial use.

KEYS

Countries
- ENTSOG Member Countries
- ENTSOG Associated Partner
- ENTSOG Observers
- Other Countries

Transport by pipeline
- under 24"
- 24" to 36"
- 36" and over
- project

Gas Reserve areas
- gas field
- drilling platform

Gas storage facilities
- Acquifer
- Salt cavity - cavern
- Depleted (Gas) field on shore / offshore
- Other type
- Unknown
- Gas storage *projects*
- Etzel* multiple storage facilities operated by different SSOs

Map points
- Trading Points / Market Areas
- Intra-country or intra balancing zone points
- Cross-border interconnection point within Europe or export point to non-EU country
- Cross-border interconnection point with third country (import)
- LNG Terminals' entry point intro transmission system
- LNG Export Terminal
- Virtual Point
- Small scale LNG liquefaction facilities
- Third country cross-border interconnection point
- Cross-Border Europe *Under construction or Planned*
- Cross-Border third country import/export *Under construction or Planned*
- LNG Import Terminal *Under construction or Planned*
- LNG Export Terminal *Under construction or Planned*
- Small scale LNG liquefaction facilities *Under construction or Planned*

Data keys
- NATIONAL PRODUCTION
- RUSSIA
- NORWAY
- ALGERIA
- LIBYA
- UGS
- LNG

polaris — Version : November 2019

Import & Transmission Capacity 2019 (GWh/d)

(Values submitted by TSO from Transparency Platform-the lowest value between the values submitted by cross border TSOs)

Key DEg market area GASPOOL; DEn market area Net Connect Germany

Import Capacities

TO \ FROM	DZ	LNG	LY	NO	RU	TR	
AT							0
BE		288		488			776
BG							0
CH							0
CZ							0
DEg				511	1.792		2.303
DEn				729			729
DK							0
EE					36		36
ES	732	1.911					2.642
FI					220		220
FR		1.087		570			1.657
GR		204				49	253
HR							0
HU					517		517
IE							0
IT	1.150	602	440				2.192
LT		122			325		447
LU							0
LV					179		179
MD							0
MK							0
NL		385		963			1.348
PL		158			1.336		1.494
PT		200					200
RO					1.114		1.114
RS							0
RU							0
SE							0
SI							0
SK					2.028		2.028
SM							0
TR							0
UA							0
UK		1.671		1.499			3.170
Total	1.882	6.628	440	4.760	7.547	49	

Cross-Border Capacities

TO \ FROM	AT	BE	BG	CH	CZ	DEg	DEn	DK	EE	ES	FI	FR	GR	HR	HU	IE	IT	LT	LU	LV	MD	MK	NL	PL	PT	RO	RS	RU	SE	SI	SK	SM	TR	UA	UK	
AT						360											193														1.570					2.123	AT
BE						132	268					270											1.437										652	2.759	BE
BG													47													731									778	BG
CH						318						223					441																	969	CH
CZ					1.407																									400				1.807	CZ
DEg		130			335	57	87																332	933										1.873	DEg
DEn	390	160		173	907	442	4																1.117											3.193	DEn
DK						101	23																											124	DK
EE																				168														168	EE
ES												165													80									245	ES
FI																																		6	FI
FR		850		100		605				224																								1.779	FR
GR		117																																117	GR
HR															78															54				132	HR
HU	153																									3				127		517		800	HU
IE																																		387	IE
IT	1.149			635																										21				1.806	IT
LT																				65														65	LT
LU		49				38																												87	LU
LV																	68																	68	LV
MD																										1								1	MD
MK			20																															20	MK
NL		394				341	162																											897	NL
PL					28	234																												262	PL
PT											144																							144	PT
RO		8													52																			60	RO
RS															142																			142	RS
RU																	114																	114	RU
SE						81																												81	SE
SI	113								8						28																			149	SI
SK	247				914																												250	1.410	SK
SM																	4																	4	SM
TR			477																															477	TR
UA																														416				416	UA
UK		803																					494											803	UK
	AT	BE	BG	CH	CZ	DEg	DEn	DK	EE	ES	FI	FR	GR	HR	HU	IE	IT	LT	LU	LV	MD	MK	NL	PL	PT	RO	RS	RU	SE	SI	SK	SM	TR	UA	UK	
	2.051	2.386	622	908	2.184	2.657	1.831	172	0	368	0	658	47	8	272	0	666	182	0	233	0	0	2.886	933	80	735	0	0	0	75	2.514	0	0	767	1.039	

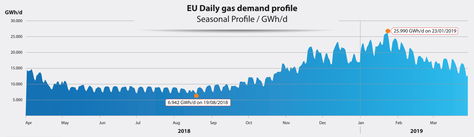
DEMAND

EUROPEAN DEMAND

EU Total 2018 4.986.841 GWh

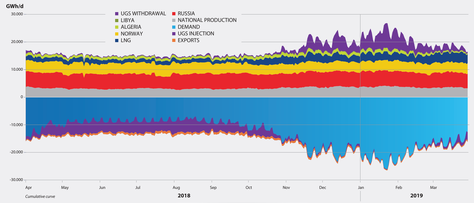
EU Apr 2018 - Sep 2018	(Summer)	1.672.864 GWh	**EU Oct 2018 - Mar 2019**	(Winter)	3.220.596 GWh
EU Min. Day	(19/08/2018)	6.942 GWh/d	**EU Max. Day**	(23/01/2019)	25.990 GWh/d

EU Daily gas demand profile
Seasonal Profile / GWh/d

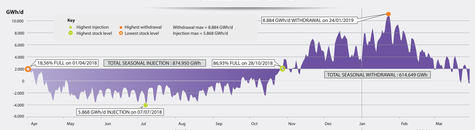


SUPPLY

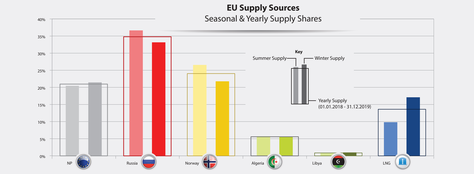
EUROPEAN SUPPLY & DEMAND



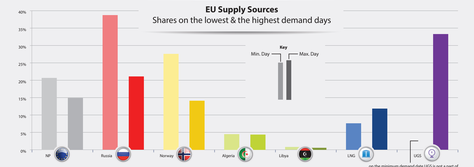
EU Storage / Injection / Withdrawal
Seasonal Profile / GWh/d

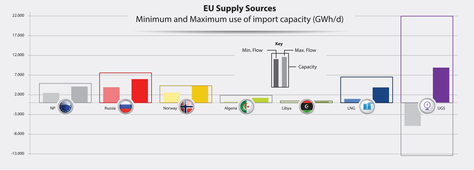
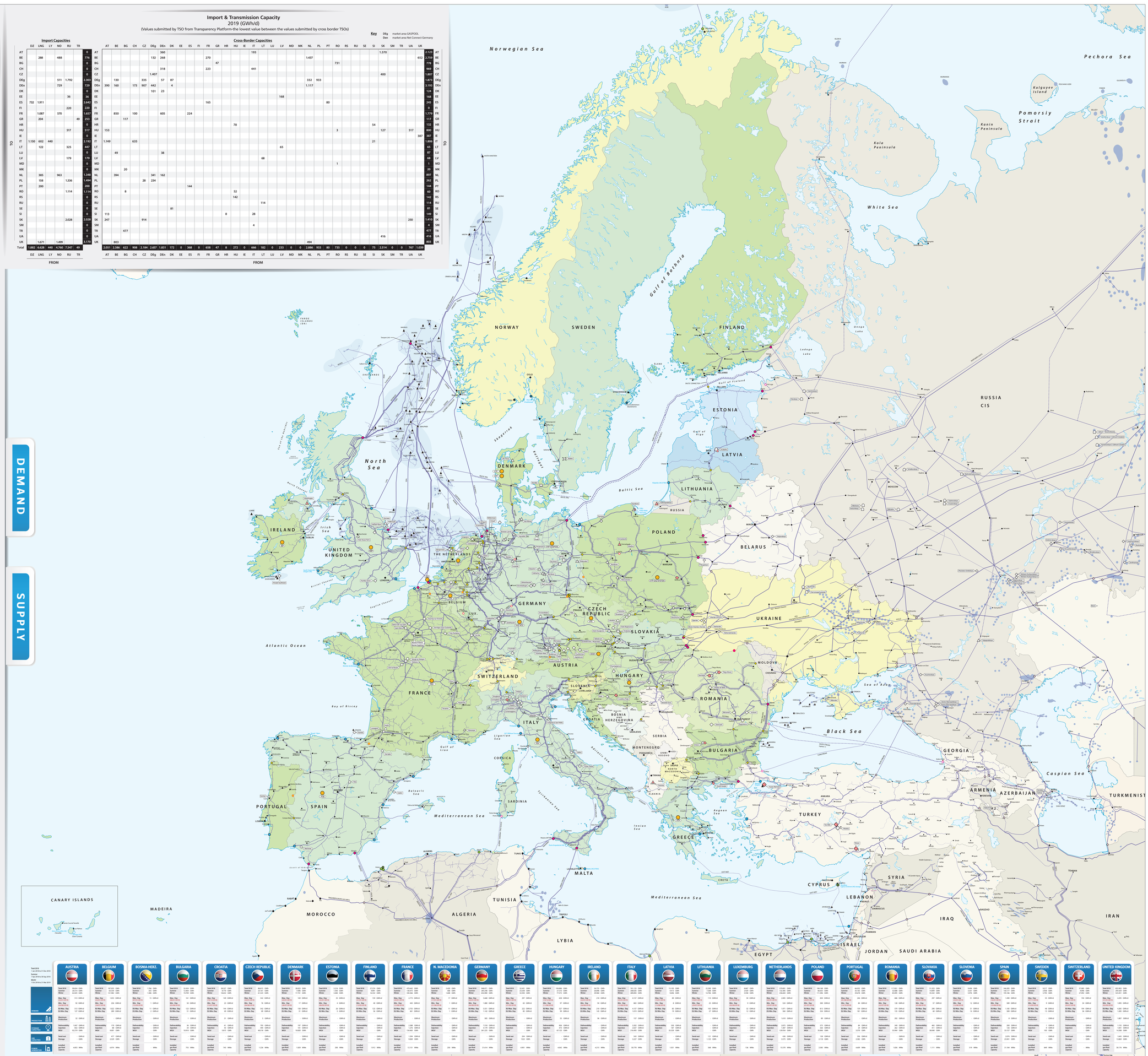


EU Supply Sources
Seasonal & Yearly Supply Shares



EU Supply Sources
Shares on the lowest & the highest demand days



on the minimum demand day UGS is not a part of the supply but of the demand due to the filling of storages

EU Supply Sources
Minimum and Maximum use of import capacity (GWh/d)