

SYSTEM DEVELOPMENT MAP 2016 / 2017

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The System Development Map 2016 / 2017 presents existing infrastructure & capacity and planned infrastructure from the perspective of the year 2017.
The respective data are based on the TNDP 2017 unless respective ENTSOs members provided their own data.
The 2016 / 2017 historical data on demand & supply, incl. the winter 2016-2017, are based on data from the TSOs and AGSI and AGSI+ Platforms.
The Country Profiles present transmission capacities between countries after application of the Lessor-of-rules, storage & LNG capacities according to the interconnection to the country's transmission system and installed gas-fired power generation capacity (additional data source: GIE 2016 Storage Map, GIE 2016 LNG Map and ENTSO E Power Statistics). The demand data represent actual country demand for the respective days/years. 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
 ■ ENTSOs Member Countries
 ■ ENTSOs Associated Partner
 ■ ENTSOs Observer
 ■ Other Countries

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

Gas Reserve areas
 ■ gas field
 ▲ drilling platform

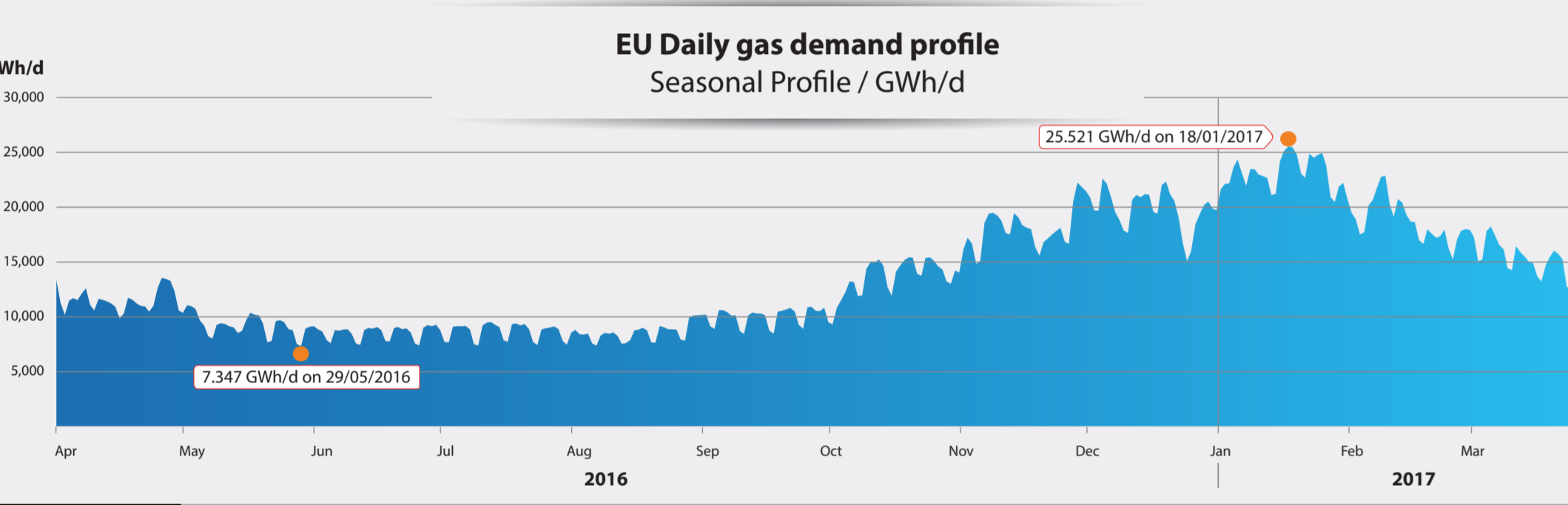
Gas storage facilities
 □ Acquirer
 □ Salt cavity - cavern
 □ Depleted gas field onshore/offshore
 □ Other type
 □ Unknown

Map points
 ● Trading Point / Market Area
 ○ 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 Terminal entry point into transmission system
 ● LNG Export Terminal
 ● Small scale LNG liquefaction facilities
 ● Third country cross border interconnection point

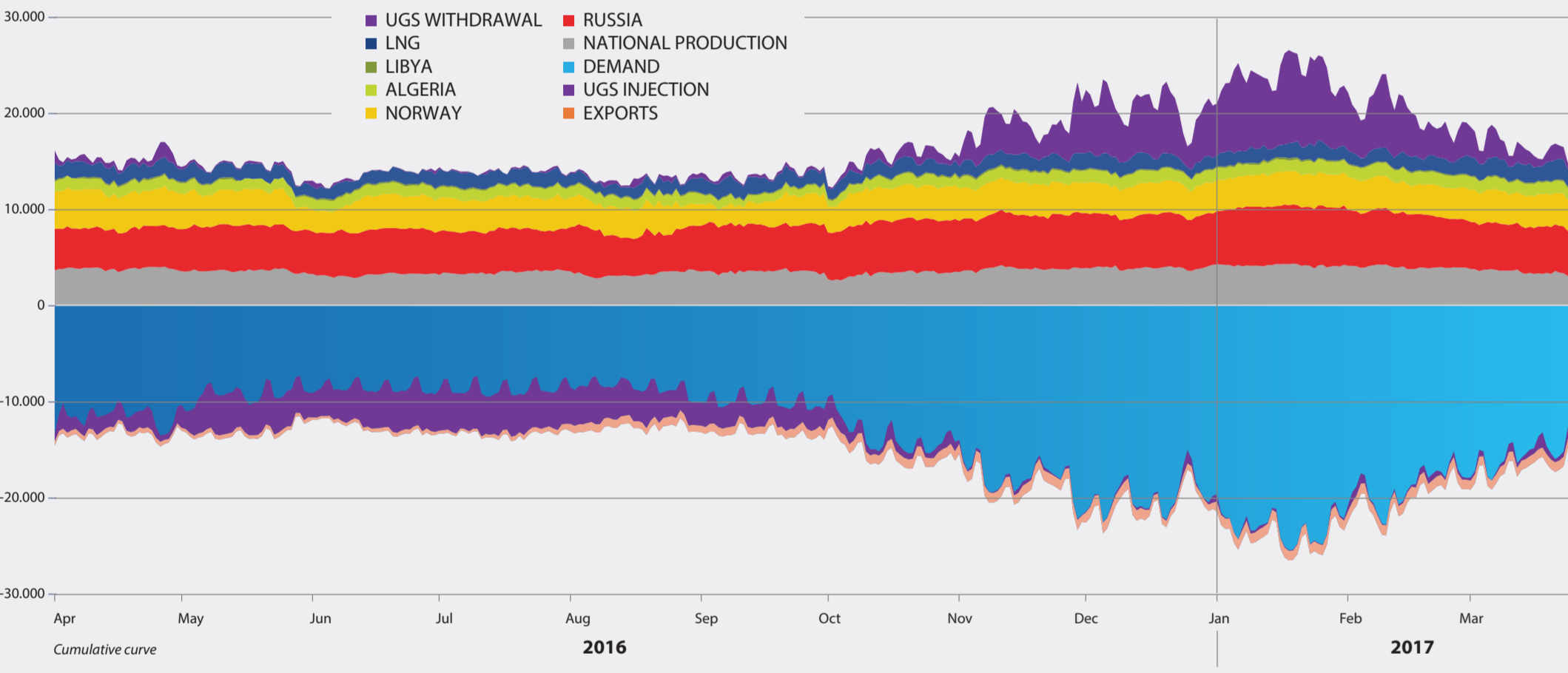
Data keys
 ■ NATIONAL PRODUCTION
 ■ RUSSIA
 ■ NORWAY
 ■ ALGERIA
 ■ LIBYA
 ■ UGS
 ■ LNG

EUROPEAN DEMAND

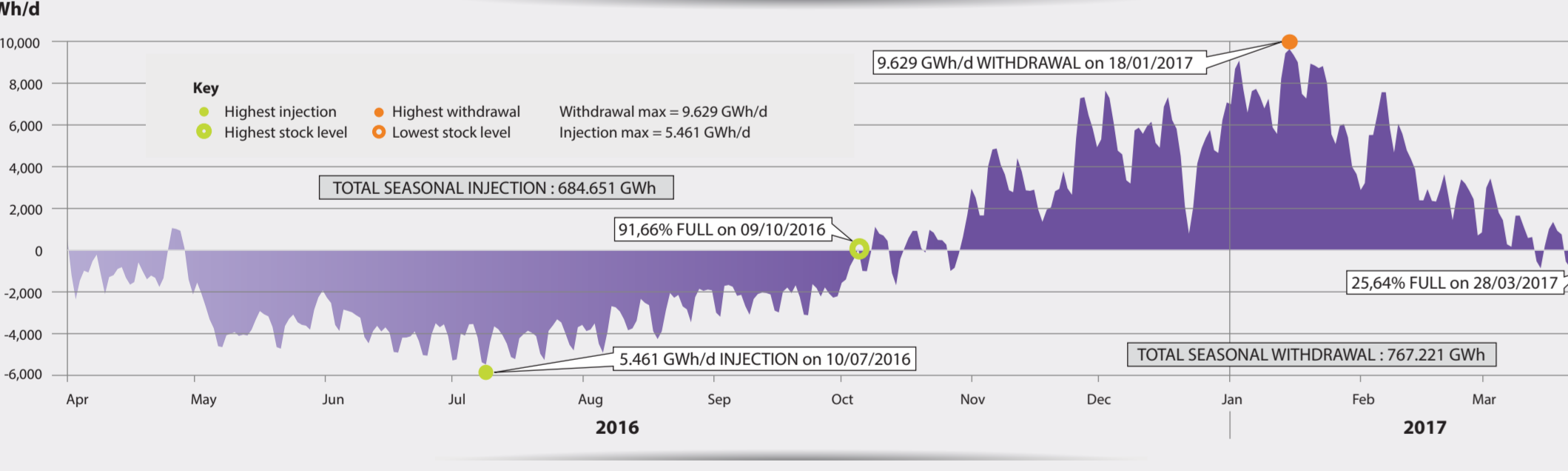
EU Total 2016 4,903.339 GWh
 EU Apr 2016 - Sep 2016 (Summer) 1,722.470 GWh
 EU Min. Day (29/05/2016) 7.347 GWh/d
 EU Oct 2016 - Mar 2017 (Winter) 3,286.078 GWh
 EU Max. Day (18/01/2017) 25,521 GWh/d



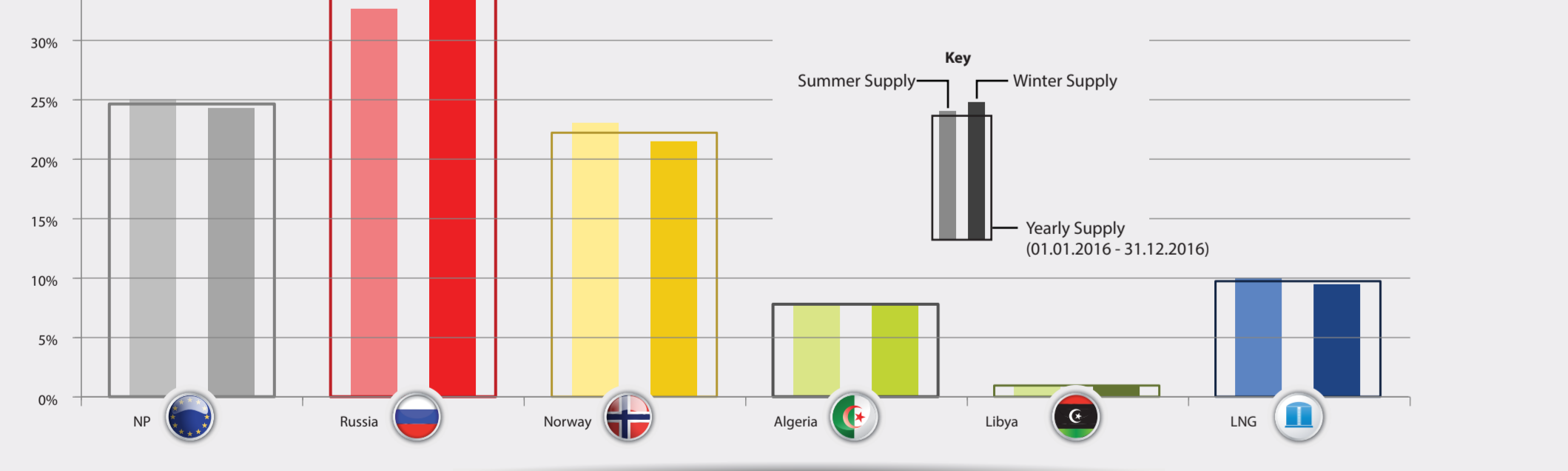
EUROPEAN SUPPLY



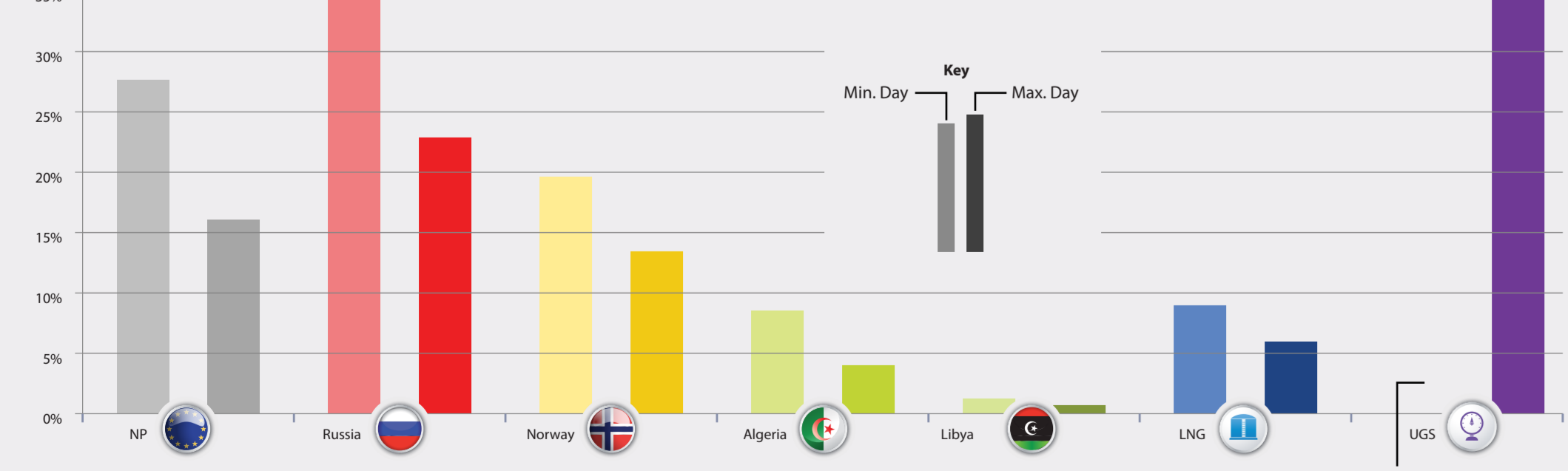
EU Supply Sources Seasonal & Yearly Supply Shares



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



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



Import & Transmission Capacity 2017 (GWh/d)

Imports				Cross-Border																									
	DZ	EG	FR	IT	AT	BE	BG	CH	CZ	DE	DK	ES	FIN	FR	HU	IE	LT	LV	NL	PL	PT	RO	SI	SK	UA	UK			
AT																													
BE	515																												
BG		486																											
CH																													
CZ																													
DE			554	1,741																									
DK																													
EE																													
ES	732	1,910																											
FR			420	576	249																								
FIN																													
GR																													
HU																													
IE																													
IT	1,203	141	513	325																									
LT																													
LV																													
NL																													
PL																													
PT																													
RO																													
RU																													
SE																													
SI																													
SK																													
SM																													
TR																													
UA																													
UK	1,390	1,499																											
Total	1,935	4,439	513	3,623	7,702	49																							

Key: DZ market area GAZPOOL, DE market area Intersect Germany, FR GTF (Gas Nord), FR GTF (Gas Sud), FR TSEJ, Capacity figures are based on the ENTSOs Transmission Capacity Map 2017 reference date 1st of January 2017



Country	Production (GWh/d)	Storage (GWh/d)	Imports (GWh/d)	Exports (GWh/d)	Net Demand (GWh/d)
Austria	1.0	0.0	0.0	0.0	1.0
Belgium	0.0	0.0	0.0	0.0	0.0
Bosnia-Herz.	0.0	0.0	0.0	0.0	0.0
Bulgaria	0.0	0.0	0.0	0.0	0.0
Croatia	0.0	0.0	0.0	0.0	0.0
Czech Rep.	0.0	0.0	0.0	0.0	0.0
Denmark	0.0	0.0	0.0	0.0	0.0
Estonia	0.0	0.0	0.0	0.0	0.0
Finland	0.0	0.0	0.0	0.0	0.0
France	0.0	0.0	0.0	0.0	0.0
Germany	0.0	0.0	0.0	0.0	0.0
Greece	0.0	0.0	0.0	0.0	0.0
Hungary	0.0	0.0	0.0	0.0	0.0
Ireland	0.0	0.0	0.0	0.0	0.0
Italy	0.0	0.0	0.0	0.0	0.0
Latvia	0.0	0.0	0.0	0.0	0.0
Lithuania	0.0	0.0	0.0	0.0	0.0
Luxembourg	0.0	0.0	0.0	0.0	0.0
Netherlands	0.0	0.0	0.0	0.0	0.0
Poland	0.0	0.0	0.0	0.0	0.0
Portugal	0.0	0.0	0.0	0.0	0.0
Romania	0.0	0.0	0.0	0.0	0.0
Slovakia	0.0	0.0	0.0	0.0	0.0
Slovenia	0.0	0.0	0.0	0.0	0.0
Spain	0.0	0.0	0.0	0.0	0.0
Sweden	0.0	0.0	0.0	0.0	0.0
Switzerland	0.0	0.0	0.0	0.0	0.0
United Kingdom	0.0	0.0	0.0	0.0	0.0