

# SYSTEM DEVELOPMENT MAP 2017 / 2018

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The System Development Map 2017 / 2018 presents existing infrastructure and capacity and planned infrastructure from the perspective of the year 2018. The respective data are based on the TNSDF 2018 unless respective ENTSO members provided their own data. The 2017 / 2018 historical data on demand & supply, incl. the winter 2017-2018, are based on data from the TSOs and GIE AGSI and ALSI 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 2018 Storage Map, GIE 2018 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**

- ENTSO Member Countries
- ENTSO Associated Partner
- ENTSO 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 on shore / offshore
- Other type
- Unknown
- gas storage projects

**Map points**

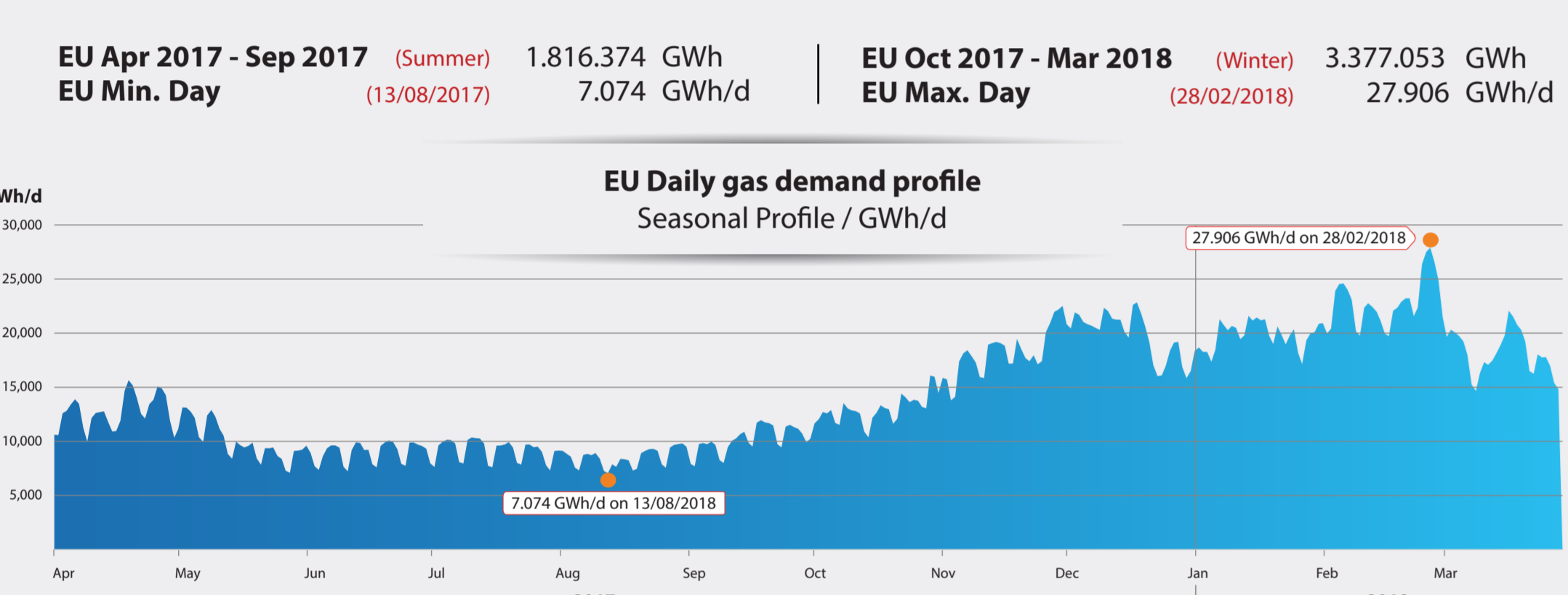
- Trading Points / Market Areas
- Intra-country or intra balancing zone points
- Cross-border interconnection point within Europe or export point to non-EU country
- Cross-border interconnection point with third country (import)
- LNG Terminal entry point into transmission system
- LNG Export Terminal
- 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**

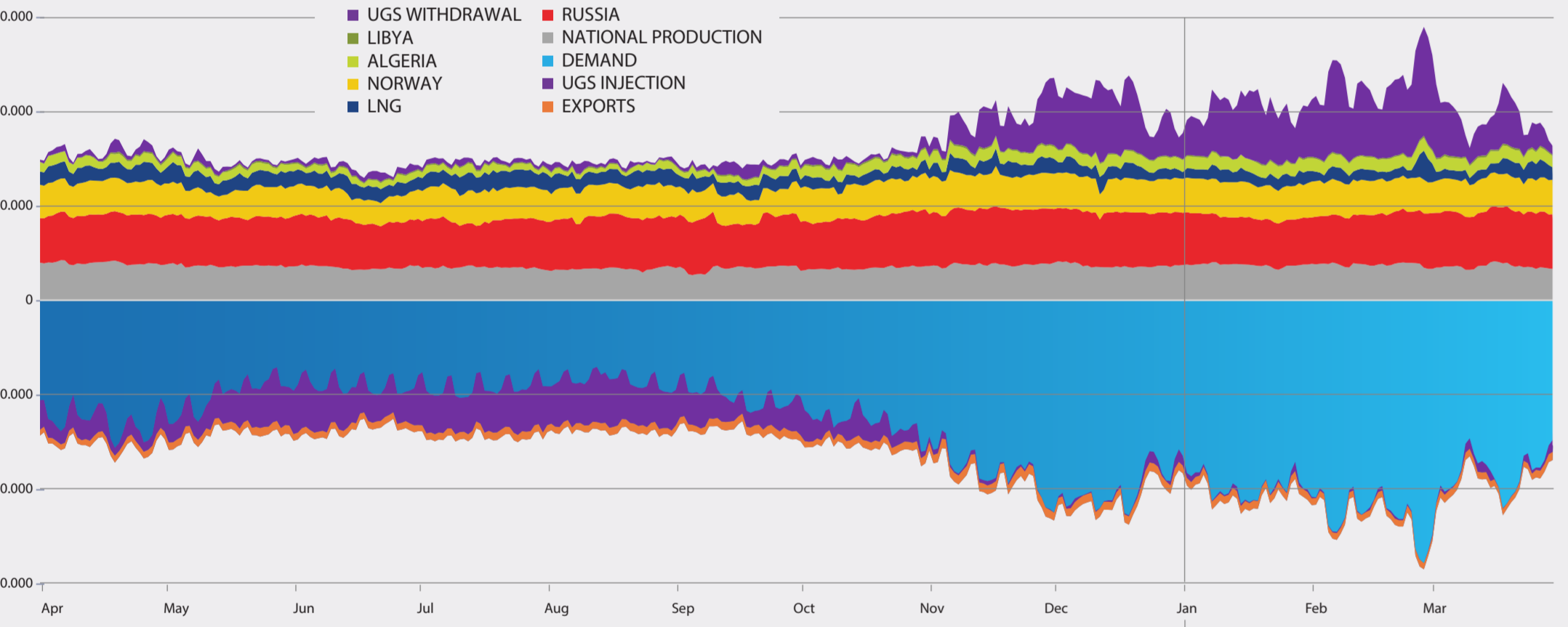
- NATIONAL PRODUCTION
- RUSSIA
- NORWAY
- ALGERIA
- LIBYA
- UGS
- LNG

Version: November 2018

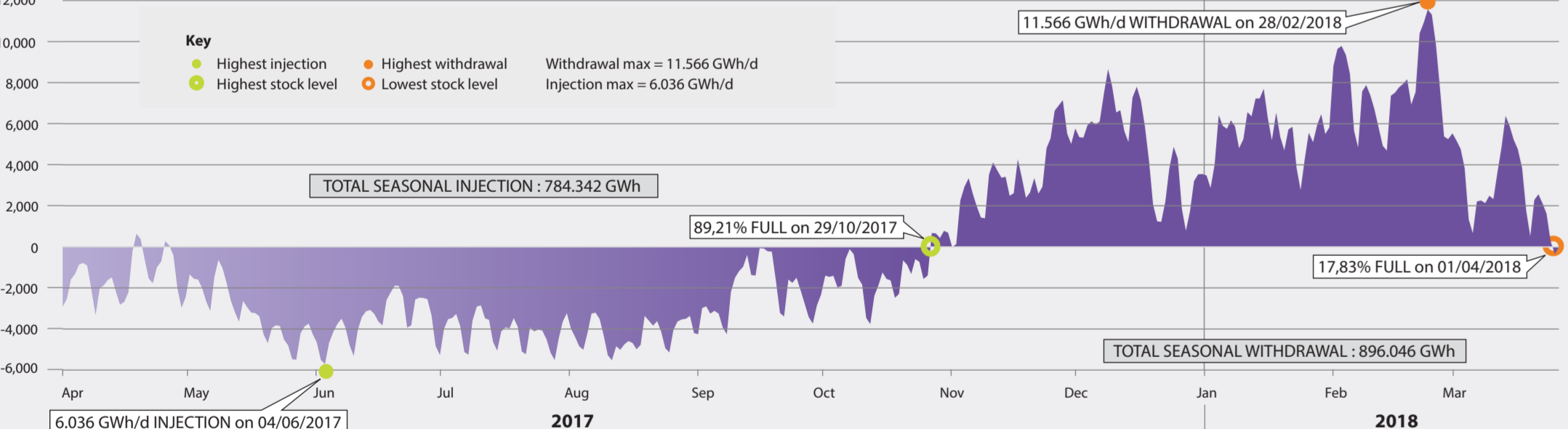
## EUROPEAN DEMAND



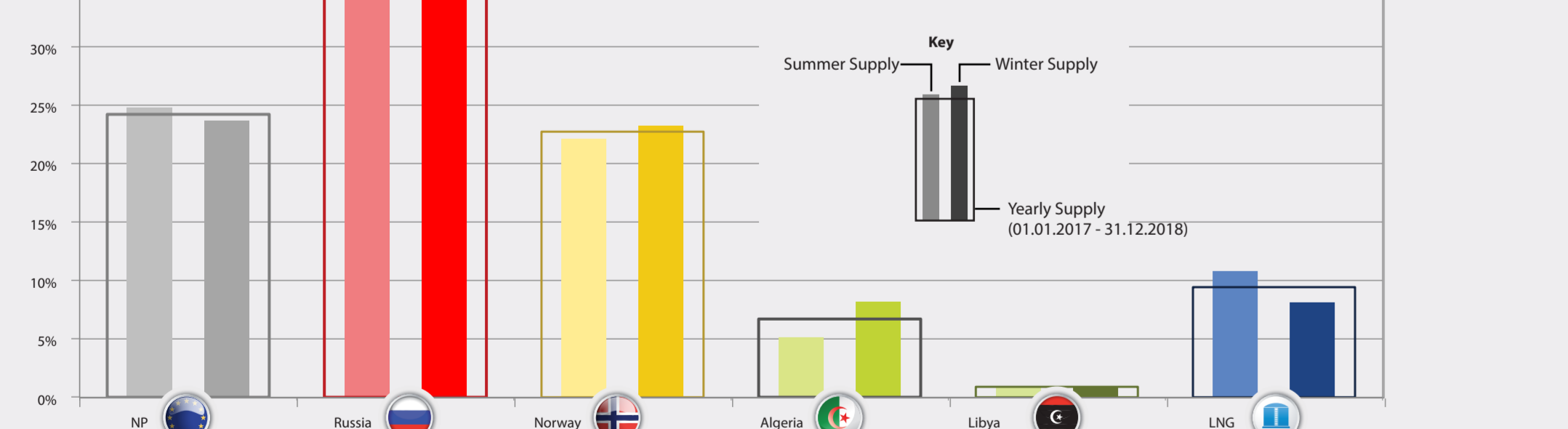
## EUROPEAN SUPPLY



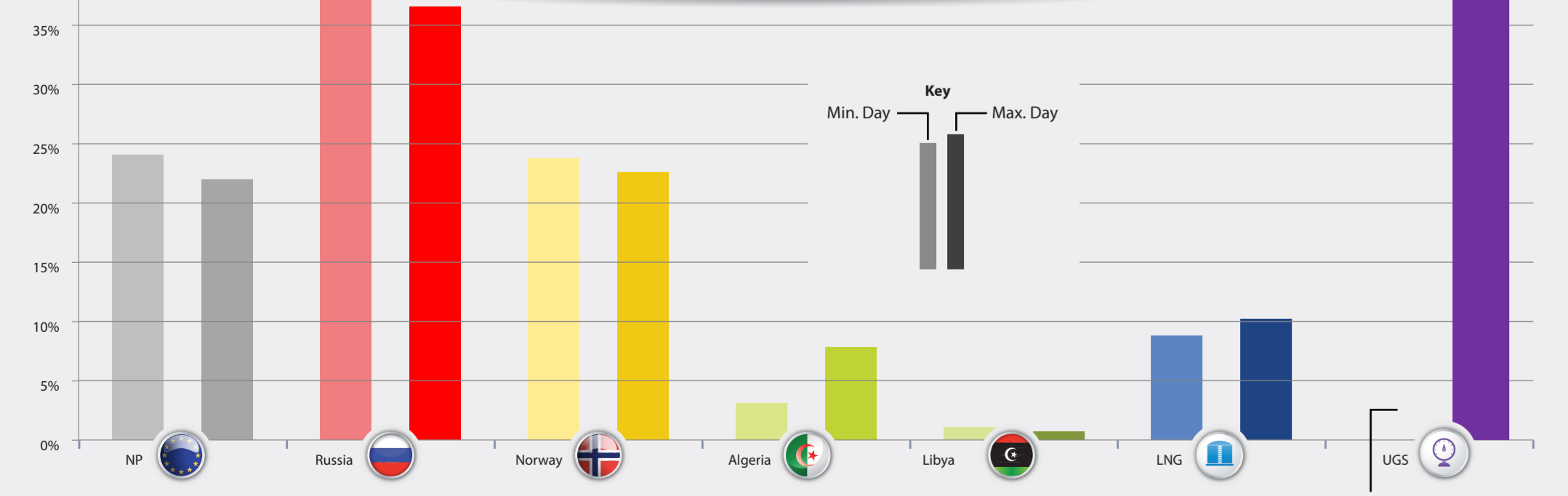
## EU Storage / Injection / Withdrawal Seasonal Profile / GWh/d



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



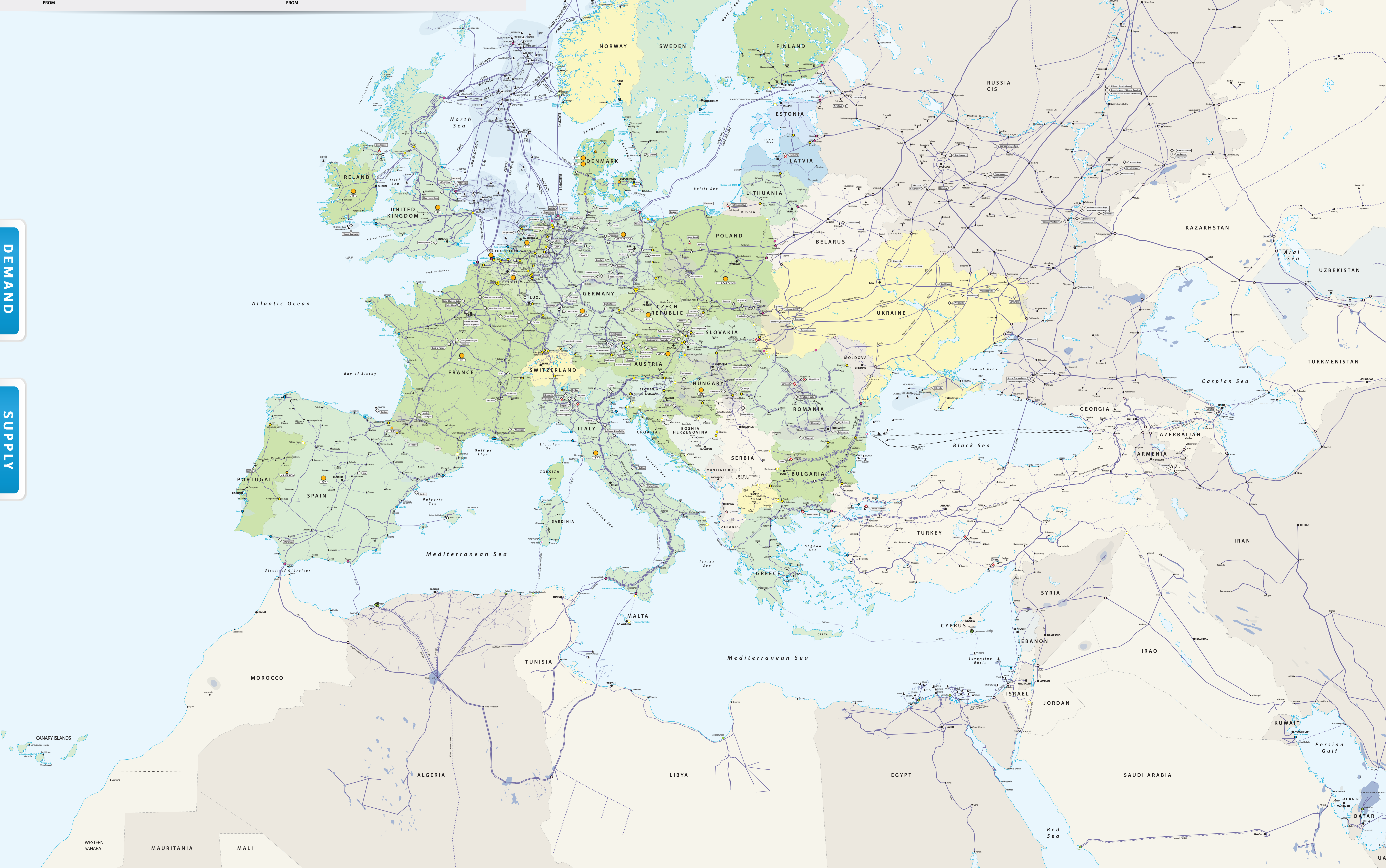
## EU Supply Sources Minimum and Maximum use of import capacity (GWh/d)



### Import & Transmission Capacity 2018 (GWh/d)

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

TO	AT	BE	BG	CH	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IT	LV	LT	LU	MD	MK	NL	PL	PT	RO	RS	RU	SE	SI	SK	SM	TR	UA	UK					
AT																																						
BE	469																																					
BG																																						
CH																																						
CZ																																						
DE																																						
DK																																						
EE																																						
ES	212	1011																																				
FI																																						
FR	1133	570																																				
GR	150																																					
HU																																						
IE	1388	507	507																																			
IT	12																																					
LV																																						
LU																																						
LT																																						
MD																																						
MK																																						
NL	395	963																																				
PL	156																																					
PT	193																																					
RO																																						
RS																																						
RU																																						
SE																																						
SI	113																																					
SK	247																																					
SM																																						
TR																																						
UA																																						
UK	2089	1499																																				
Total	1202	1164	507	430	430	1820	2448	1523	179	0	309	0	758	11	0	222	0	100	162	0	229	0	0	4289	931	60	738	0	0	0	0	0	0	2314	0	0	177	972



Country	Min. Flow (GWh/d)	Max. Flow (GWh/d)	Capacity (GWh/d)
Austria	100	100	100
Belgium	100	100	100
Bosnia-Herz.	100	100	100
Bulgaria	100	100	100
Croatia	100	100	100
Czech Republic	100	100	100
Denmark	100	100	100
Estonia	100	100	100
Finland	100	100	100
France	100	100	100
Germany	100	100	100
Greece	100	100	100
Hungary	100	100	100
Ireland	100	100	100
Italy	100	100	100
Latvia	100	100	100
Lithuania	100	100	100
Luxembourg	100	100	100
Netherlands	100	100	100
Poland	100	100	100
Portugal	100	100	100
Romania	100	100	100
Slovakia	100	100	100
Slovenia	100	100	100
Spain	100	100	100
Sweden	100	100	100
Switzerland	100	100	100
United Kingdom	100	100	100