

# Natural gas imports & exports in Spain by country

December 2016

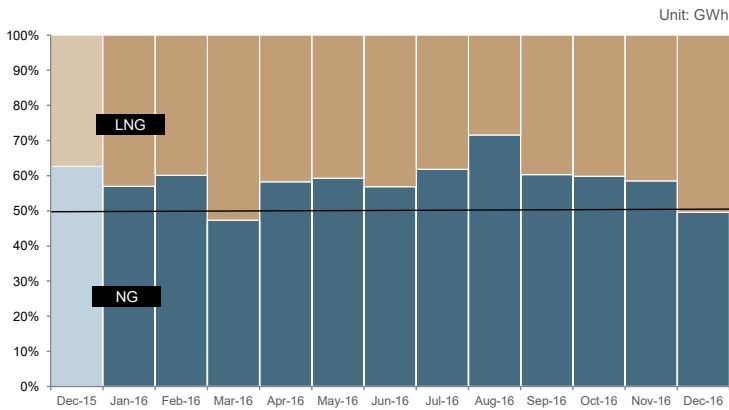
This month, natural gas net imports reached 36,859 GWh (+25.6% vs. December 2015). LNG imports rose 76.6% whilst NG imports by pipeline decreased (-6.7%). Since August 2016, net imports obtained a cumulative growth of 75.5%.

In December, natural gas inflows in Spain (40,026 GWh) present a year on year increase of 19.8%. 50.4% of them were LNG, which marked the imports annual maximum record (+61.6% vs December 2015). However, pipeline gross NG imports dropped 5.1%. Natural gas entries remained stable this year (364,328 GWh) in comparison with 2015. Nevertheless, the geographical analysis shows an increase in Central & South America (+16.6%) and Europe & Eurasia (+3.0%); also noticeable the reduction in the imports from the Middle East (-17.3%). Africa is the main supplier region in spite of Algeria's share shrinkage; principally compensated by the imports growth from Nigeria (+21.8%). It is the first time Spain shipped in NG from USA.

Exports in December (3,166 GWh) maintained its falling trend (-22.5% vs. 2015), mainly supplying Europe & Eurasia. Out of this region, Spain uniquely exported to Pakistan (985 GWh) and Puerto Rico (351 GWh). In 2016, pipeline exports predominated (95.7% of total) with an inter annual increment of 4.9%. On the other hand, LNG exports fell 87.9%.

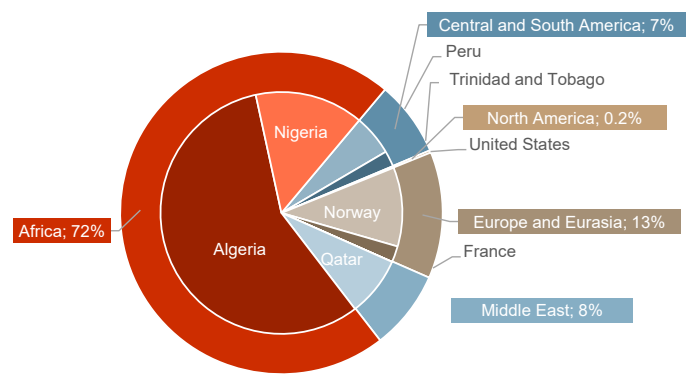
**Year on year growth in Natural Gas imports (+25.6% vs. December 2015)**

Import weight by type of supply



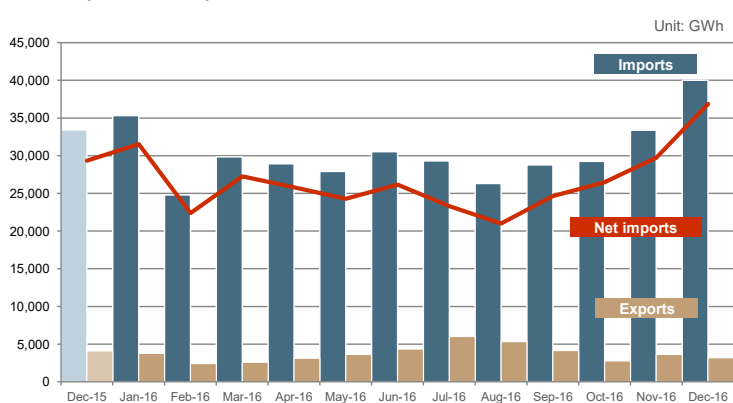
Source: Cores

Import distribution by geographical areas January-December 2016



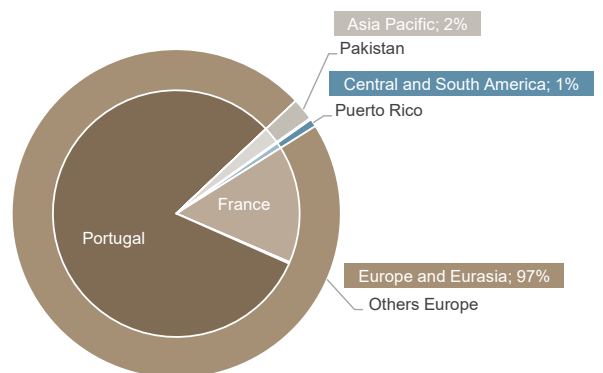
Source: Cores

Imports vs. exports



Source: Cores

Export distribution by geographical areas January-December 2016



Source: Cores

## Net imports

	December 2016			Year-to-date		Rolling year		
	Net. imports	VR (%) (*)	Weight (%)	Net. imports	VR (%) (*)	Net. imports	VR (%) (*)	Weight (%)
<b>TOTAL NET IMPORTS</b>	<b>36,859</b>	<b>25.6</b>	<b>100.0</b>	<b>319,500</b>	<b>4.0</b>	<b>319,500</b>	<b>4.0</b>	<b>100.0</b>
NG	16,734	-6.7	45.4	168,236	-1.8	168,236	-1.8	52.7
LNG	20,125	76.6	54.6	151,264	11.3	151,264	11.3	47.3
OECD	1,891	8,968.7	5.1	3,661	-309.8	3,661	-309.8	1.1
Non-OECD	34,968	19.3	94.9	315,839	2.2	315,839	2.2	98.9

Source: Cores

(\*) Rate of variation compared to the same period of previous year (see note 3)

(\*\*) Weight of imports does not correspond with the diversification of supply under Article 21 of Royal Decree 1716/2004

NOTE: Other outputs of the system are not included in the OECD and Non-OECD breakdown

## Natural gas imports by country

Unit: GWh

	December 2016			Year-to-date		Rolling year		
	Imports	VR (%) (*)	Weight (%)	Imports	VR (%) (*)	Imports	VR (%) (*)	Weight (%)
Angola	1,040	-	2.6	1,040	-	1,040	-	0.3
Algeria	19,224	-12.7	48.0	207,037	-4.8	207,037	-4.8	56.8
NG	15,728	-6.7	39.3	173,539	-1.0	173,539	-1.0	47.6
LNG	3,496	-32.3	8.7	33,498	-20.4	33,498	-20.4	9.2
Nigeria	5,927	103.2	14.8	52,762	21.8	52,762	21.8	14.5
<b>Africa</b>	<b>26,190</b>	<b>5.1</b>	<b>65.4</b>	<b>260,838</b>	<b>^</b>	<b>260,838</b>	<b>^</b>	<b>71.6</b>
Peru	5,179	-	12.9	19,796	83.4	19,796	83.4	5.4
Trinidad and Tobago	-	-100.0	-	7,660	-39.9	7,660	-39.9	2.1
<b>Central and South America</b>	<b>5,179</b>	<b>200.5</b>	<b>12.9</b>	<b>27,457</b>	<b>16.6</b>	<b>27,457</b>	<b>16.6</b>	<b>7.5</b>
United States	-	-	-	846	-	846	-	0.2
<b>North America</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>846</b>	<b>-</b>	<b>846</b>	<b>-</b>	<b>0.2</b>
France	1,054	19.2	2.6	7,821	-38.7	7,821	-38.7	2.1
NG	1,054	19.2	2.6	7,820	-38.7	7,820	-38.7	2.1
LNG	-	-	-	1	-	1	-	^
Norway	3,993	24.5	10.0	38,416	19.6	38,416	19.6	10.5
NG	3,075	-4.1	7.7	29,748	23.2	29,748	23.2	8.2
LNG	918	-	2.3	8,667	8.6	8,667	8.6	2.4
Portugal NG	8	-	^	8	64.9	8	-	^
<b>Europe and Eurasia</b>	<b>5,055</b>	<b>23.6</b>	<b>12.6</b>	<b>46,245</b>	<b>3.0</b>	<b>46,245</b>	<b>3.0</b>	<b>12.7</b>
Oman	-	-	-	-	-100.0	-	-100.0	-
Qatar	3,602	34.5	9.0	28,943	-14.9	28,943	-14.9	7.9
<b>Middle East</b>	<b>3,602</b>	<b>34.5</b>	<b>9.0</b>	<b>28,943</b>	<b>-17.3</b>	<b>28,943</b>	<b>-17.3</b>	<b>7.9</b>
<b>Total</b>	<b>40,026</b>	<b>19.8</b>	<b>100.0</b>	<b>364,328</b>	<b>^</b>	<b>364,328</b>	<b>^</b>	<b>100.0</b>
NG	19,864	-5.1	49.6	211,115	-0.5	211,115	-0.5	57.9
LNG	20,161	61.6	50.4	153,212	0.8	153,212	0.8	42.1
<b>OECD</b>	<b>5,055</b>	<b>23.6</b>	<b>12.6</b>	<b>47,090</b>	<b>4.9</b>	<b>47,090</b>	<b>4.9</b>	<b>12.9</b>
<b>Non-OECD</b>	<b>34,971</b>	<b>19.2</b>	<b>87.4</b>	<b>317,237</b>	<b>-0.6</b>	<b>317,237</b>	<b>-0.6</b>	<b>87.1</b>

Source: Cores

## Natural gas exports by country

Unit: GWh

	December 2016			Year-to-date		Rolling year		
	Exports	VR (%) (*)	Weight (%)	Exports	VR (%) (*)	Exports	VR (%) (*)	Weight (%)
Egypt	-	-	-	-	-100.0	-	-100.0	-
<b>Africa</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-100.0</b>	<b>-</b>	<b>-100.0</b>	<b>-</b>
Canada	-	-	-	-	-100.0	-	-100.0	-
<b>North America</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-100.0</b>	<b>-</b>	<b>-100.0</b>	<b>-</b>
Argentina	-	-	-	-	-100.0	-	-100.0	-
Brasil	-	-	-	-	-100.0	-	-100.0	-
Puerto Rico	-	-	-	350.5	-	350.5	-	0.8
<b>Central and South America</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>350.5</b>	<b>-90.9</b>	<b>350.5</b>	<b>-90.9</b>	<b>0.8</b>
Andorra	2.7	-	^	7.2	-	7.2	-	^
Cyprus	-	-	-	-	-100.0	-	-100.0	-
Slovenia	-	-	-	0.6	-	0.6	-	^
France	27.1	-24.6	0.9	6,897.2	18.0	6,897.2	18.0	15.4
NG	1.8	-87.9	^	6,582.1	17.8	6,582.1	17.8	14.7
LNG	25.4	18.3	0.8	315.1	22.0	315.1	22.0	0.7
Italy	3.9	-99.4	0.1	67.5	-90.9	67.5	-90.9	0.2
Macedonia	-	-	-	-	-100.0	-	-100.0	-
Portugal	3,131.6	4.7	98.9	36,452.7	2.9	36,452.7	2.9	81.3
NG	3,128.7	4.8	98.8	36,297.1	2.8	36,297.1	2.8	81.0
LNG	2.8	-52.9	^	155.5	26.4	155.5	26.4	0.3
Switzerland	0.9	4.8	^	11.6	11.7	11.6	11.7	^
<b>Europe and Eurasia</b>	<b>3,166.3</b>	<b>-14.1</b>	<b>100.0</b>	<b>43,436.7</b>	<b>2.9</b>	<b>43,436.7</b>	<b>2.9</b>	<b>96.9</b>
Kuwait	-	-	-	-	-100.0	-	-100.0	-
<b>Middle East</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-100.0</b>	<b>-</b>	<b>-100.0</b>	<b>-</b>
South Korea	-	-	-	-	-100.0	-	-100.0	-
India	-	-	-	-	-100.0	-	-100.0	-
Japan	-	-100.0	-	-	-100.0	-	-100.0	-
Malaysia	-	-	-	-	-100.0	-	-100.0	-
Pakistan	-	-	-	985.4	-1.0	985.4	-1.0	2.2
<b>Asia Pacific</b>	<b>-</b>	<b>-100.0</b>	<b>-</b>	<b>985.4</b>	<b>-85.5</b>	<b>985.4</b>	<b>-85.5</b>	<b>2.2</b>
Other outputs of the system (1)	-	-100.0	-	55.1	-72.3	55.1	-72.3	0.1
<b>Total</b>	<b>3,166.3</b>	<b>-22.5</b>	<b>100.0</b>	<b>44,827.8</b>	<b>-21.3</b>	<b>44,827.8</b>	<b>-21.3</b>	<b>100.0</b>
NG	3,130.5	4.4	98.9	42,879.2	4.9	42,879.2	4.9	95.7
LNG	35.8	-96.7	1.1	1,948.6	-87.9	1,948.6	-87.9	4.3
<b>OECD</b>	<b>3,163.5</b>	<b>-22.3</b>	<b>99.9</b>	<b>43,429.5</b>	<b>-6.9</b>	<b>43,429.5</b>	<b>-6.9</b>	<b>96.9</b>
<b>Non-OECD</b>	<b>2.7</b>	<b>-79.0</b>	<b>^</b>	<b>1,398.3</b>	<b>-86.4</b>	<b>1,398.3</b>	<b>-86.4</b>	<b>3.1</b>

Source: Cores

(\*) Rate of variation compared to the same period of previous year (see note 3)

(1) Gassing up operations of ships. Breakdown available since January 2014.

- equals 0.0 / ^ other than 0.0 / n.a.: not applicable

Note 1: all imports / exports are in the form of LNG, unless indicated otherwise.

Note 2: the weight of imports does not match the supply diversification under Article 21 of Royal Decree 1716/2004.

Nota 3: In order to adapt to European legislation, since January 2015, the concept of gas transit contract has been changed, being considered hereinafter as import and export.