

# Natural gas imports & exports in Spain by country

May 2017

After the declines of the past months, net imports of natural gas increased by 4.8% compared to May 2016 and stand at 25,471 GWh. Net imports of natural gas by pipeline decreased (-4.3%) compared to a 15.3% increase in LNG.

**Increase in net imports of natural gas (+4.8% vs. May 2016)**

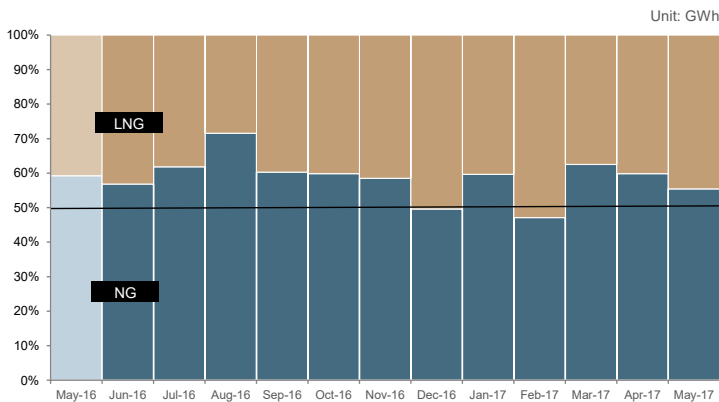
Gas imports amounted to 29,389 GWh in May, 5.3% higher than in May 2016. 55.4% is imported through pipeline, while the remaining 44.6% is in liquid state. By geographical area, all areas grew except Africa (-15.3%) by the reduction of both Algeria (-8.8%) and Nigeria (-37.0%); Central and South America (+199.9%), coming just from Peru (9.3% of the total), the Middle East (+44.5%) and Europe and Euroasia (+83.8%), due to a rise in supplies from both Norway and France (+39.0% and +422.0% respectively).

The main suppliers of natural gas to Spain in the year-to-date are Algeria (53.0%), Nigeria (14.4%), Peru (8.9%) and Norway (8.2%).

Exports increased in May by 8.5% vs. May-16, extending up to 3,918 GWh, annual maximum. This month, those carried out by pipeline (99.0% of the total) increase (+8.8%) while LNG exports decrease (13.9%). Portugal is the main destination of natural gas exports from Spain (99.1%, a rise of 63.6% vs. May 17).

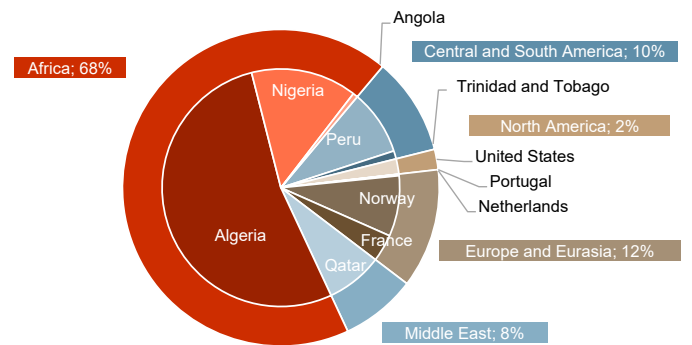
In the year-to-date, exports were 14.5% less than in 2016, reaching 13,236 GWh, with 98.1% by pipeline and the remaining 1.9% in liquid state.

Import weight by type of supply



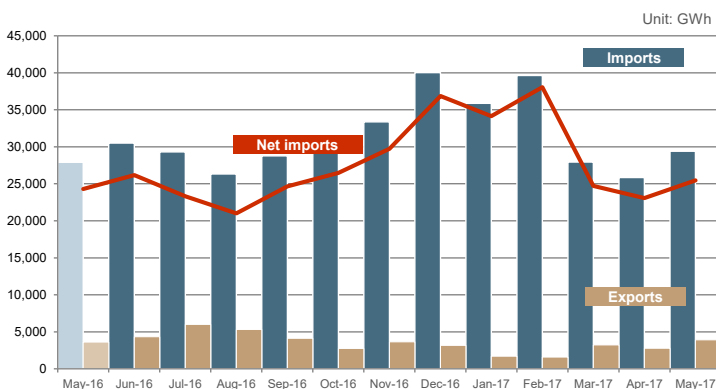
Source: Cores

Import distribution by geographical areas January-May 2017\*\*



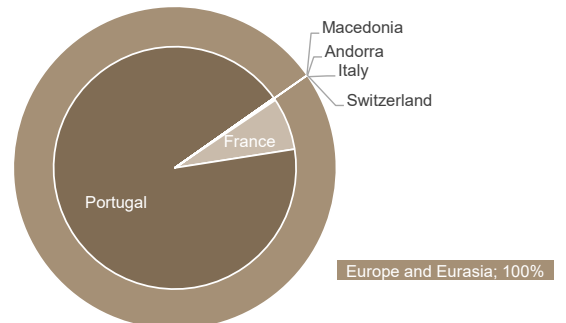
Source: Cores

Imports vs. exports



Source: Cores

Export distribution by geographical areas January-May 2017



Source: Cores

## Net imports

|                          | May 2017      |              |              | Year-to-date   |             |                | Rolling year  |              |  |
|--------------------------|---------------|--------------|--------------|----------------|-------------|----------------|---------------|--------------|--|
|                          | Net. imports  | VR (%) (*)   | Weight (%)   | Net. imports   | VR (%) (*)  | Net. imports   | VR (%) (*)    | Weight (%)   |  |
| <b>TOTAL NET IMPORTS</b> | <b>25,471</b> | <b>4.8</b>   | <b>100.0</b> | <b>145,444</b> | <b>10.8</b> | <b>333,649</b> | <b>6.6</b>    | <b>100.0</b> |  |
| <b>NG</b>                | <b>12,417</b> | <b>-4.3</b>  | <b>48.8</b>  | <b>76,337</b>  | <b>11.7</b> | <b>176,249</b> | <b>3.1</b>    | <b>52.8</b>  |  |
| <b>LNG</b>               | <b>13,054</b> | <b>15.3</b>  | <b>51.2</b>  | <b>69,107</b>  | <b>9.7</b>  | <b>157,400</b> | <b>10.9</b>   | <b>47.2</b>  |  |
| <b>OECD</b>              | <b>-13</b>    | <b>-99.1</b> | <b>-</b>     | <b>9,412</b>   | <b>91.2</b> | <b>8,147</b>   | <b>-466.7</b> | <b>2.4</b>   |  |
| <b>Non-OECD</b>          | <b>25,484</b> | <b>-1.2</b>  | <b>-</b>     | <b>136,032</b> | <b>7.6</b>  | <b>325,502</b> | <b>3.3</b>    | <b>97.6</b>  |  |

Source: Cores

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

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

## Natural gas imports by country

Unit: GWh

|                                  | May 2017      |              |              | Year-to-date   |              | Rolling year   |              |              |
|----------------------------------|---------------|--------------|--------------|----------------|--------------|----------------|--------------|--------------|
|                                  | Imports       | VR (%) (*)   | Weight (%)   | Imports        | VR (%) (*)   | Imports        | VR (%) (*)   | Weight (%)   |
| Angola                           | -             | -            | -            | 1,046          | -            | 2,086          | -            | 0.6          |
| Algeria                          | 15,414        | -8.8         | 52.4         | 84,057         | 1.4          | 208,198        | -4.0         | 55.3         |
| NG                               | 12,391        | -14.0        | 42.2         | 72,665         | 10.2         | 180,270        | 2.7          | 47.9         |
| LNG                              | 3,024         | 21.9         | 10.3         | 11,392         | -32.8        | 27,928         | -32.6        | 7.4          |
| Nigeria                          | 3,236         | -37.0        | 11.0         | 22,882         | 11.4         | 55,097         | 9.6          | 14.6         |
| <b>Africa</b>                    | <b>18,651</b> | <b>-15.3</b> | <b>63.5</b>  | <b>107,985</b> | <b>4.4</b>   | <b>265,381</b> | <b>-0.7</b>  | <b>70.5</b>  |
| Peru                             | 2,723         | 199.9        | 9.3          | 14,085         | 194.2        | 29,449         | 246.0        | 7.8          |
| Trinidad and Tobago              | -             | -            | -            | 1,754          | -62.2        | 4,423          | -66.4        | 1.2          |
| <b>Central and South America</b> | <b>2,723</b>  | <b>199.9</b> | <b>9.3</b>   | <b>15,839</b>  | <b>68.1</b>  | <b>33,872</b>  | <b>56.3</b>  | <b>9.0</b>   |
| United States                    | -             | -            | -            | 3,299          | -            | 4,145          | -            | 1.1          |
| <b>North America</b>             | -             | -            | -            | <b>3,299</b>   | -            | <b>4,145</b>   | -            | <b>1.1</b>   |
| France                           | 1,295         | 422.0        | 4.4          | 5,918          | 59.4         | 10,023         | -8.1         | 2.7          |
| NG                               | 1,295         | 422.0        | 4.4          | 5,918          | 59.4         | 10,023         | -8.1         | 2.7          |
| LNG                              | -             | -            | -            | -              | -100.0       | -              | -100.0       | -            |
| Norway                           | 2,609         | 39.0         | 8.9          | 13,081         | -16.6        | 35,806         | 12.6         | 9.5          |
| NG                               | 2,609         | 39.0         | 8.9          | 10,730         | -16.9        | 27,561         | 5.7          | 7.3          |
| LNG                              | -             | -            | -            | 2,351          | -15.2        | 8,246          | 44.1         | 2.2          |
| Netherlands                      | -             | -            | -            | 313            | -            | 313            | -            | ^            |
| Portugal                         | -             | -            | -            | 20             | -            | 28             | 486.9        | ^            |
| NG                               | -             | -            | -            | 15             | -            | 23             | 371.2        | ^            |
| LNG                              | -             | -            | -            | 6              | -            | 6              | -            | ^            |
| <b>Europe and Eurasia</b>        | <b>3,904</b>  | <b>83.8</b>  | <b>13.3</b>  | <b>19,333</b>  | <b>-0.4</b>  | <b>46,171</b>  | <b>8.1</b>   | <b>12.3</b>  |
| Qatar                            | 4,112         | 44.5         | 14.0         | 12,224         | -15.7        | 26,659         | -20.0        | 7.1          |
| <b>Middle East</b>               | <b>4,112</b>  | <b>44.5</b>  | <b>14.0</b>  | <b>12,224</b>  | <b>-15.7</b> | <b>26,659</b>  | <b>-20.0</b> | <b>7.1</b>   |
| <b>Total</b>                     | <b>29,389</b> | <b>5.3</b>   | <b>100.0</b> | <b>158,680</b> | <b>8.1</b>   | <b>376,228</b> | <b>3.1</b>   | <b>100.0</b> |
| NG                               | 16,295        | -1.5         | 55.4         | 89,328         | 8.2          | 217,877        | 2.5          | 57.9         |
| LNG                              | 13,094        | 15.2         | 44.6         | 69,352         | 8.0          | 158,351        | 3.9          | 42.1         |
| <b>OECD</b>                      | <b>3,904</b>  | <b>83.8</b>  | <b>13.3</b>  | <b>22,632</b>  | <b>16.6</b>  | <b>50,316</b>  | <b>17.8</b>  | <b>13.4</b>  |
| <b>Non-OECD</b>                  | <b>25,485</b> | <b>-1.1</b>  | <b>86.7</b>  | <b>136,048</b> | <b>6.8</b>   | <b>325,912</b> | <b>1.1</b>   | <b>86.6</b>  |

Source: Cores

## Natural gas exports by country

Unit: GWh

|                                  | May 2017       |            |              | Year-to-date    |               | Rolling year    |               |              |
|----------------------------------|----------------|------------|--------------|-----------------|---------------|-----------------|---------------|--------------|
|                                  | Exports        | VR (%) (*) | Weight (%)   | Exports         | VR (%) (*)    | Exports         | VR (%) (*)    | Weight (%)   |
| Egypt                            | -              | -          | -            | -               | -             | -               | -100.0        | -            |
| <b>Africa</b>                    | -              | -          | -            | -               | -             | -               | <b>-100.0</b> | -            |
| Argentina                        | -              | -          | -            | -               | -             | -               | -100.0        | -            |
| Brasil                           | -              | -          | -            | -               | -             | -               | -100.0        | -            |
| Puerto Rico                      | -              | -          | -            | -               | -             | 350.5           | -             | 0.8          |
| <b>Central and South America</b> | -              | -          | -            | -               | -             | <b>350.5</b>    | <b>-87.7</b>  | <b>0.8</b>   |
| Andorra                          | 0.6            | -          | ^            | 10.9            | -             | 18.1            | -             | ^            |
| Slovenia                         | -              | -          | -            | -               | -100.0        | 0.3             | 7.3           | ^            |
| France                           | 30.9           | -97.5      | 0.8          | 922.9           | -48.5         | 6,028.7         | -3.1          | 14.2         |
| NG                               | -              | -100.0     | -            | 738.1           | -54.8         | 5,687.3         | -4.0          | 13.4         |
| LNG                              | 30.9           | 3.3        | 0.8          | 184.8           | 16.6          | 341.3           | 15.5          | 0.8          |
| Italy                            | 3.2            | -62.1      | 0.1          | 25.4            | -33.9         | 54.5            | -92.7         | 0.1          |
| Macedonia                        | -              | -          | -            | 0.6             | -             | 0.6             | -             | ^            |
| Portugal                         | 3,882.4        | 63.6       | 99.1         | 12,270.1        | -3.0          | 36,078.2        | 0.7           | 84.7         |
| NG                               | 3,877.7        | 64.0       | 99.0         | 12,252.5        | -2.8          | 35,940.5        | 0.7           | 84.4         |
| LNG                              | 4.7            | -39.4      | 0.1          | 17.6            | -50.4         | 137.7           | -3.5          | 0.3          |
| Switzerland                      | -              | -100.0     | -            | 1.2             | -78.0         | 7.4             | -35.0         | ^            |
| <b>Europe and Eurasia</b>        | <b>3,917.2</b> | <b>8.5</b> | <b>100.0</b> | <b>13,231.1</b> | <b>-8.6</b>   | <b>42,187.7</b> | <b>-1.4</b>   | <b>99.1</b>  |
| Kuwait                           | -              | -          | -            | -               | -             | -               | -100.0        | -            |
| <b>Middle East</b>               | -              | -          | -            | -               | <b>-100.0</b> | -               | <b>-100.0</b> | -            |
| India                            | -              | -          | -            | -               | -             | -               | -100.0        | -            |
| Japan                            | -              | -          | -            | -               | -             | -               | -100.0        | -            |
| Pakistan                         | -              | -          | -            | -               | -100.0        | -               | -100.0        | -            |
| <b>Asia Pacific</b>              | -              | -          | -            | -               | <b>-100.0</b> | -               | <b>-100.0</b> | -            |
| Other outputs of the system (1)  | 1.1            | -          | ^            | 4.7             | -75.5         | 40.5            | -32.5         | 0.1          |
| <b>Total</b>                     | <b>3,918.3</b> | <b>8.5</b> | <b>100.0</b> | <b>13,235.8</b> | <b>-14.5</b>  | <b>42,578.8</b> | <b>-18.2</b>  | <b>100.0</b> |
| NG                               | 3,877.7        | 8.8        | 99.0         | 12,990.6        | -8.8          | 41,627.9        | ^             | 97.8         |
| LNG                              | 40.6           | -13.9      | 1.0          | 245.2           | -80.3         | 950.9           | -90.9         | 2.2          |
| <b>OECD</b>                      | <b>3,916.6</b> | <b>8.5</b> | <b>100.0</b> | <b>13,219.6</b> | <b>-8.7</b>   | <b>42,169.1</b> | <b>-6.2</b>   | <b>99.0</b>  |
| <b>Non-OECD</b>                  | <b>1.7</b>     | -          | ^            | <b>16.2</b>     | <b>-98.4</b>  | <b>409.7</b>    | <b>-94.2</b>  | <b>1.0</b>   |

Source: Cores

(\*) Rate of variation compared to the same period of previous year.

(1) It includes cooling down and direct supplies for consumer ships. Itemisation 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.