

# Natural gas imports & exports in Spain by country

February 2017

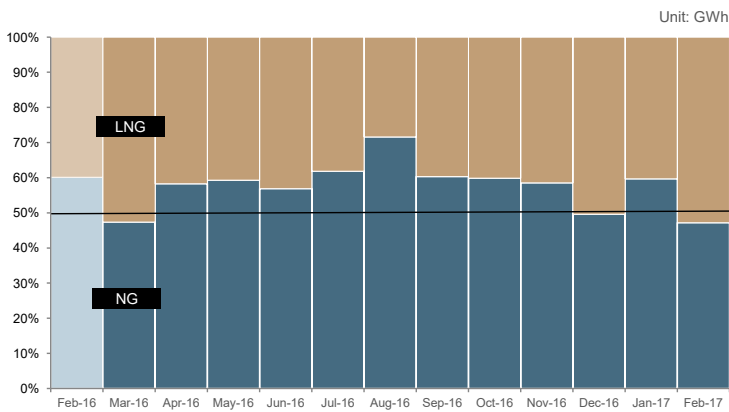
Net natural gas imports grew in February, for the third consecutive month, a 70.1% vs. Feb-16 up to 38,051 GWh. Natural gas imports rose (+36.6%), as well as LNG (+112.9%), which signified 54.9% of the total.

Natural gas imports reached 39,637 GWh (+59.9% vs. Feb-16). LNG overtook natural gas entries (20,947 GWh), being the highest imports in liquid form since August 2012. Natural gas supplies increased in every geographic area. Outstand the increments from Africa and Central and South America (+55.1% and +179.0% respectively), concretely, the LNG from Algeria (+230.2%) and Peru (+346.6%). In the year-to-date the main natural gas suppliers are Algeria (49.6%), Nigeria (11.6%), Peru (10.0%) and Norway (9.1%).

Since March 2016, natural gas exports have been showing negative interannual variation rates (-34.2% vs Feb-16). This month, they dropped to 1,586 GWh, minimum since March 2013. Pipeline natural gas exports represented 96.7% to France and Portugal (8.1% and 88.7% respectively) whilst LNG exports also include Andorra and Italy.

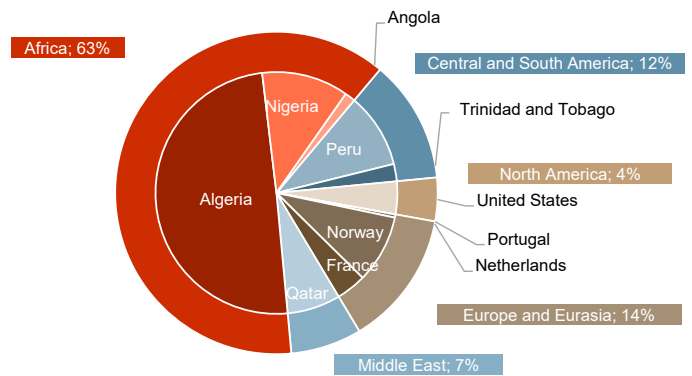
Maximum LNG imports since August 2012 (20,947 GWh)

Import weight by type of supply



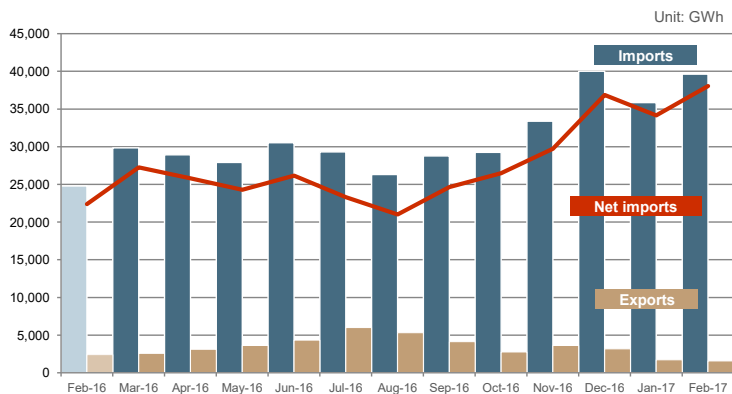
Source: Cores

Import distribution by geographical areas January-February 2017



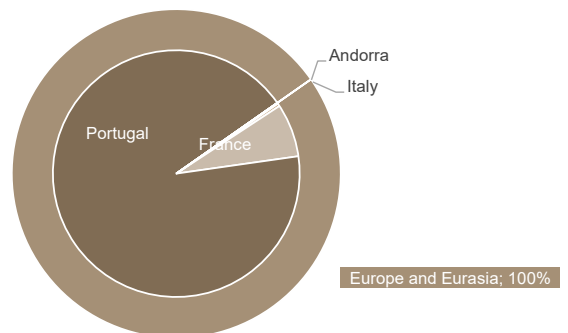
Source: Cores

Imports vs. exports



Source: Cores

Export distribution by geographical areas January-February 2017



Source: Cores

## Net imports

Unit: GWh

|                          | February 2017 |             |              | Year-to-date  |             | Rolling year   |            |              |
|--------------------------|---------------|-------------|--------------|---------------|-------------|----------------|------------|--------------|
|                          | Net. imports  | VR (%) (*)  | Weight (%)   | Net. imports  | VR (%) (*)  | Net. imports   | VR (%) (*) | Weight (%)   |
| <b>TOTAL NET IMPORTS</b> | <b>38,051</b> | <b>70.1</b> | <b>100.0</b> | <b>72,203</b> | <b>33.9</b> | <b>337,780</b> | <b>9.7</b> | <b>100.0</b> |
| NG                       | 17,156        | 36.6        | 45.1         | 36,899        | 23.2        | 175,175        | 2.6        | 51.9         |
| LNG                      | 20,895        | 112.9       | 54.9         | 35,304        | 47.3        | 162,605        | 18.4       | 48.1         |
| OECD                     | 4,580         | 154.7       | 12.0         | 10,252        | 137.9       | 9,601          | -717.7     | 2.8          |
| Non-OECD                 | 33,471        | 62.7        | 88.0         | 61,951        | 24.9        | 328,179        | 6.0        | 97.2         |

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

|                                  | February 2017 |              |              | Year-to-date  |              | Rolling year   |              |              |
|----------------------------------|---------------|--------------|--------------|---------------|--------------|----------------|--------------|--------------|
|                                  | Imports       | VR (%) (*)   | Weight (%)   | Imports       | VR (%) (*)   | Imports        | VR (%) (*)   | Weight (%)   |
| Angola                           | 1,046         | -            | 2.6          | 1,046         | -            | 2,086          | -            | 0.5          |
| Algeria                          | 20,124        | 54.9         | 50.8         | 37,438        | 12.0         | 211,048        | -3.2         | 55.6         |
| NG                               | 15,713        | 34.8         | 39.6         | 32,521        | 18.6         | 178,650        | 1.9          | 47.0         |
| LNG                              | 4,412         | 230.2        | 11.1         | 4,917         | -18.3        | 32,398         | -23.9        | 8.5          |
| Nigeria                          | 3,980         | 23.5         | 10.0         | 8,769         | 24.7         | 54,498         | 19.8         | 14.4         |
| <b>Africa</b>                    | <b>25,150</b> | <b>55.1</b>  | <b>63.5</b>  | <b>47,253</b> | <b>16.8</b>  | <b>267,631</b> | <b>1.6</b>   | <b>70.5</b>  |
| Peru                             | 3,828         | 346.6        | 9.7          | 7,575         | 336.6        | 25,991         | 161.7        | 6.8          |
| Trinidad and Tobago              | 910           | 8.2          | 2.3          | 1,754         | -17.2        | 6,940          | -43.7        | 1.8          |
| <b>Central and South America</b> | <b>4,738</b>  | <b>179.0</b> | <b>12.0</b>  | <b>9,329</b>  | <b>142.1</b> | <b>32,931</b>  | <b>48.0</b>  | <b>8.7</b>   |
| United States                    | 1,366         | -            | 3.4          | 3,299         | -            | 4,145          | -            | 1.1          |
| <b>North America</b>             | <b>1,366</b>  | <b>-</b>     | <b>3.4</b>   | <b>3,299</b>  | <b>-</b>     | <b>4,145</b>   | <b>-</b>     | <b>1.1</b>   |
| France                           | 1,072         | 26.8         | 2.7          | 3,041         | 69.3         | 9,064          | -23.1        | 2.4          |
| NG                               | 1,072         | 26.8         | 2.7          | 3,041         | 69.3         | 9,063          | -23.1        | 2.4          |
| LNG                              | -             | -100.0       | -            | -             | -100.0       | ^              | -23.1        | ^            |
| Netherlands                      | -             | -            | -            | 313           | -            | 313            | -            | ^            |
| Norway                           | 3,710         | 11.0         | 9.4          | 6,870         | -10.7        | 37,597         | 13.2         | 9.9          |
| NG                               | 1,890         | -21.1        | 4.8          | 4,520         | -22.4        | 28,441         | 14.5         | 7.5          |
| LNG                              | 1,820         | 92.1         | 4.6          | 2,351         | 26.2         | 9,156          | 9.3          | 2.4          |
| Portugal                         | 15            | -            | ^            | 20            | -            | 28             | 486.9        | ^            |
| NG                               | 15            | -            | ^            | 15            | -            | 23             | 371.2        | ^            |
| LNG                              | 1             | -            | ^            | 6             | -            | 6              | -            | ^            |
| <b>Europe and Eurasia</b>        | <b>4,798</b>  | <b>14.5</b>  | <b>12.1</b>  | <b>10,245</b> | <b>8.0</b>   | <b>47,002</b>  | <b>4.4</b>   | <b>12.4</b>  |
| Qatar                            | 3,585         | 33.8         | 9.0          | 5,374         | -14.7        | 28,015         | -17.9        | 7.4          |
| <b>Middle East</b>               | <b>3,585</b>  | <b>33.8</b>  | <b>9.0</b>   | <b>5,374</b>  | <b>-14.7</b> | <b>28,015</b>  | <b>-17.9</b> | <b>7.4</b>   |
| <b>Total</b>                     | <b>39,637</b> | <b>59.9</b>  | <b>100.0</b> | <b>75,499</b> | <b>25.6</b>  | <b>379,724</b> | <b>4.1</b>   | <b>100.0</b> |
| NG                               | 18,690        | 25.4         | 47.2         | 40,097        | 14.5         | 216,177        | 2.0          | 56.9         |
| LNG                              | 20,947        | 111.9        | 52.8         | 35,403        | 41.2         | 163,547        | 7.0          | 43.1         |
| <b>OECD</b>                      | <b>6,164</b>  | <b>47.2</b>  | <b>15.6</b>  | <b>13,544</b> | <b>42.8</b>  | <b>51,146</b>  | <b>13.6</b>  | <b>13.5</b>  |
| <b>Non-OECD</b>                  | <b>33,473</b> | <b>62.5</b>  | <b>84.4</b>  | <b>61,955</b> | <b>22.4</b>  | <b>328,577</b> | <b>2.7</b>   | <b>86.5</b>  |

Source: Cores

## Natural gas exports by country

Unit: GWh

|                                  | February 2017  |              |              | Year-to-date   |               | Rolling year    |               |              |
|----------------------------------|----------------|--------------|--------------|----------------|---------------|-----------------|---------------|--------------|
|                                  | Exports        | VR (%) (*)   | Weight (%)   | Exports        | VR (%) (*)    | Exports         | VR (%) (*)    | Weight (%)   |
| Egypt                            | -              | -            | -            | -              | -             | -               | -100.0        | -            |
| <b>Africa</b>                    | <b>-</b>       | <b>-</b>     | <b>-</b>     | <b>-</b>       | <b>-</b>      | <b>-</b>        | <b>-100.0</b> | <b>-</b>     |
| Canada                           | -              | -            | -            | -              | -             | -               | -100.0        | -            |
| <b>North America</b>             | <b>-</b>       | <b>-</b>     | <b>-</b>     | <b>-</b>       | <b>-</b>      | <b>-</b>        | <b>-100.0</b> | <b>-</b>     |
| Argentina                        | -              | -            | -            | -              | -             | -               | -100.0        | -            |
| Brasil                           | -              | -            | -            | -              | -             | -               | -100.0        | -            |
| Puerto Rico                      | -              | -            | -            | -              | -             | 350.5           | -             | 0.8          |
| <b>Central and South America</b> | <b>-</b>       | <b>-</b>     | <b>-</b>     | <b>-</b>       | <b>-</b>      | <b>350.5</b>    | <b>-90.9</b>  | <b>0.8</b>   |
| Andorra                          | 2.4            | -            | 0.1          | 4.7            | -             | 11.9            | -             | ^            |
| Cyprus                           | -              | -            | -            | -              | -             | -               | -100.0        | -            |
| Slovenia                         | -              | -            | -            | -              | -100.0        | 0.3             | 7.3           | ^            |
| France                           | 171.4          | 296.8        | 10.8         | 230.3          | 185.5         | 7,046.8         | 20.0          | 16.8         |
| NG                               | 129.0          | 1,603.4      | 8.1          | 150.2          | 1,359.4       | 6,722.0         | 20.1          | 16.0         |
| LNG                              | 42.5           | 19.2         | 2.7          | 80.0           | 13.8          | 324.8           | 17.9          | 0.8          |
| Italy                            | 5.1            | -7.7         | 0.3          | 11.3           | -24.1         | 64.0            | -91.4         | 0.2          |
| Portugal                         | 1,406.8        | -39.9        | 88.7         | 3,050.2        | -39.9         | 34,425.1        | -3.9          | 82.1         |
| NG                               | 1,404.8        | -39.8        | 88.6         | 3,047.3        | -39.8         | 34,279.7        | -4.0          | 81.7         |
| LNG                              | 2.1            | -71.1        | 0.1          | 2.9            | -77.4         | 145.4           | 12.6          | 0.3          |
| Switzerland                      | -              | -100.0       | -            | -              | -100.0        | 9.5             | -13.4         | ^            |
| <b>Europe and Eurasia</b>        | <b>1,585.8</b> | <b>-33.7</b> | <b>100.0</b> | <b>3,296.5</b> | <b>-36.3</b>  | <b>41,557.6</b> | <b>-2.6</b>   | <b>99.1</b>  |
| Kuwait                           | -              | -            | -            | -              | -             | -               | -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>     |
| India                            | -              | -            | -            | -              | -             | -               | -100.0        | -            |
| Japan                            | -              | -            | -            | -              | -             | -               | -100.0        | -            |
| Pakistan                         | -              | -            | -            | -              | -100.0        | -               | -100.0        | -            |
| <b>Asia Pacific</b>              | <b>-</b>       | <b>-</b>     | <b>-</b>     | <b>-</b>       | <b>-100.0</b> | <b>-</b>        | <b>-100.0</b> | <b>-</b>     |
| Other outputs of the system (1)  | -              | -100.0       | -            | -              | -100.0        | 35.8            | -81.5         | ^            |
| <b>Total</b>                     | <b>1,585.8</b> | <b>-34.2</b> | <b>100.0</b> | <b>3,296.5</b> | <b>-46.7</b>  | <b>41,944.0</b> | <b>-26.2</b>  | <b>100.0</b> |
| NG                               | 1,533.7        | -34.5        | 96.7         | 3,197.5        | -37.0         | 41,001.7        | -0.7          | 97.8         |
| LNG                              | 52.0           | -24.4        | 3.3          | 99.0           | -91.0         | 942.2           | -93.9         | 2.2          |
| <b>OECD</b>                      | <b>1,583.4</b> | <b>-33.8</b> | <b>99.9</b>  | <b>3,291.8</b> | <b>-36.4</b>  | <b>41,545.7</b> | <b>-10.8</b>  | <b>99.1</b>  |
| <b>Non-OECD</b>                  | <b>2.4</b>     | <b>-87.7</b> | <b>0.1</b>   | <b>4.7</b>     | <b>-99.5</b>  | <b>398.3</b>    | <b>-96.1</b>  | <b>0.9</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.