

## Energy dependency in the EU

# The EU was dependent on energy imports for slightly over half of its consumption in 2014

## Energy dependency at its lowest point in 9 Member States

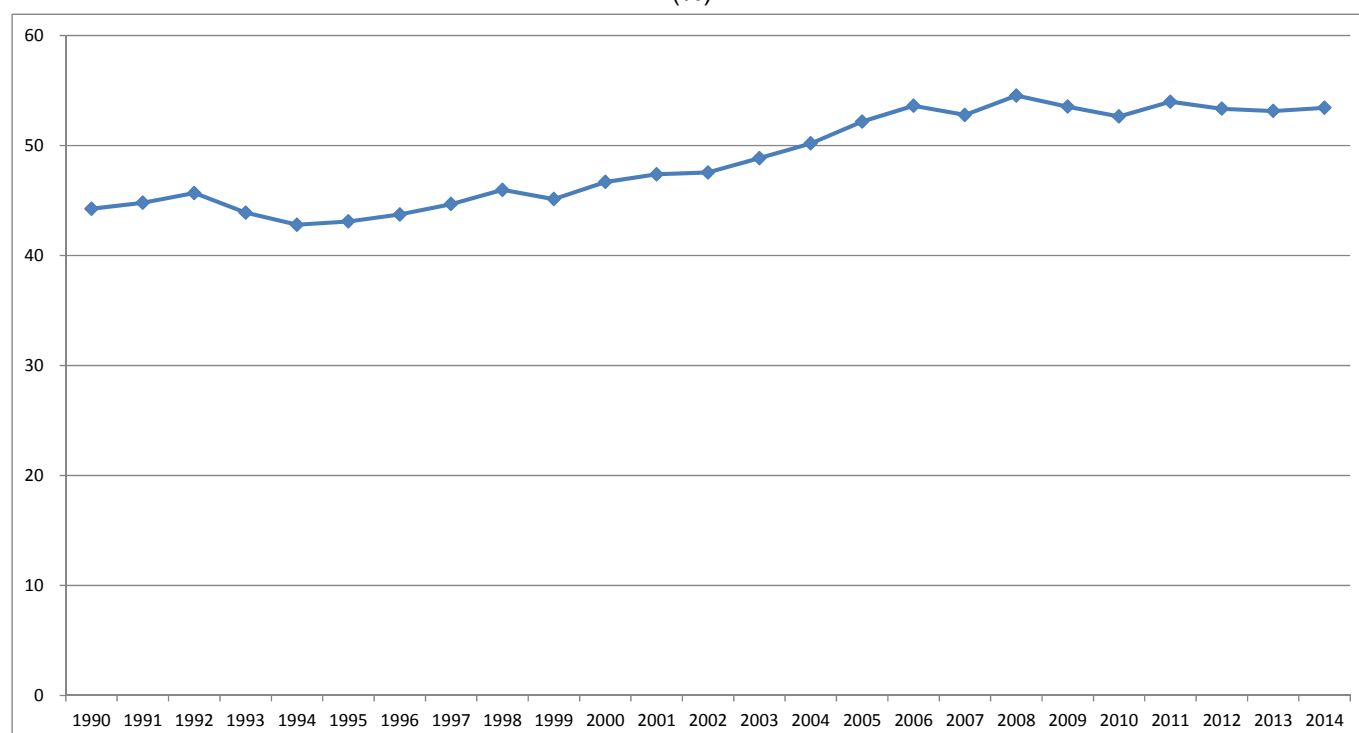
The energy dependency of the **European Union (EU)** stood in 2014 at 53.4%, meaning that the **EU** needed to import just over half of the energy it consumed in 2014.

Energy dependency in the **EU** was higher in 2014 than in 1990, but slightly lower than its highest point recorded in 2008. The evolution of **EU** energy dependency has not been constant between 1990 and 2014, however, it has continuously stood above 50% since 2004.

Energy dependency varies widely across Member States, with half of them relying mainly on imports for their energy consumption in 2014, while for the other half, energy dependency rate stood below 50%.

These figures are issued by **Eurostat, the statistical office of the European Union**, along with the publication of the detailed 2014 annual results on energy supply, transformation and consumption in the EU. They are complemented with a [publication](#) on energy savings in the EU.

**Evolution of the EU energy dependency, 1990-2014**  
(%)

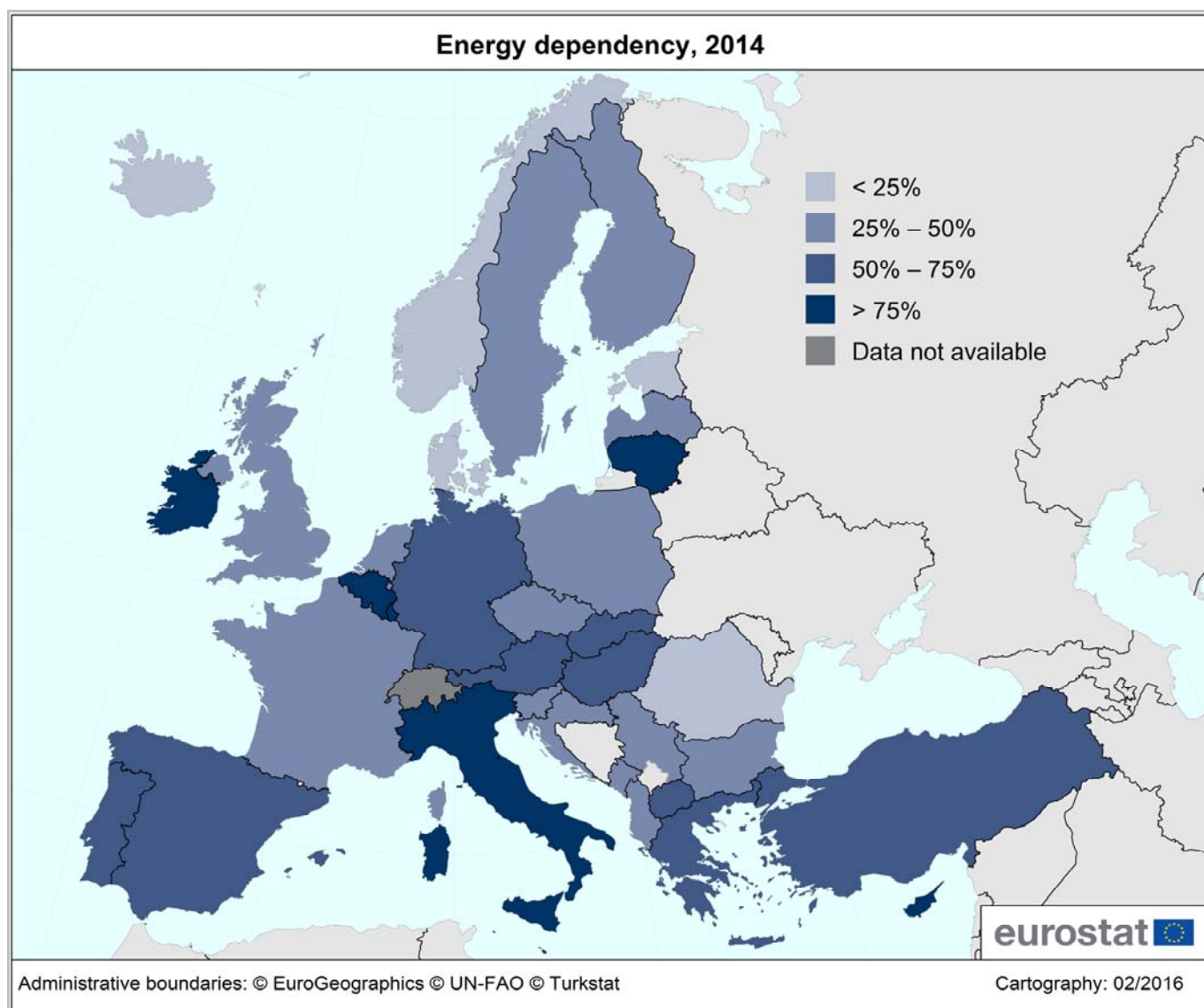


## Estonia, Denmark and Romania, least dependent on energy imports

In 2014, the least dependent Member States were **Estonia** (8.9%), **Denmark** (12.8%) and **Romania** (17.0%), followed by **Poland** (28.6%), the **Czech Republic** (30.4%), **Sweden** (32.0%), the **Netherlands** (33.8%) and **Bulgaria** (34.5%). At the opposite end of the scale, the highest energy dependence rates were registered in **Malta** (97.7%), **Luxembourg** (96.6%), **Cyprus** (93.4%), **Ireland** (85.3%), **Belgium** (80.1%) and **Lithuania** (77.9%).

Among the five Member States consuming the largest amounts of energy, the least dependent on energy imports were the **United Kingdom** (45.5%) and **France** (46.1%), in contrast to **Germany** (61.4%), **Spain** (72.9%) and **Italy** (75.9%).

It should also be noted that nine Member States recorded in 2014 their lowest energy dependency rates since 1990: **Bulgaria, Estonia, France, Italy, Latvia, Luxembourg, Malta, Portugal** and **Romania**. In contrast, the **Czech Republic** is the only Member State recording a peak of its energy dependency in 2014.



## Energy dependency in the EU Member States

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
<b>EU</b>	<b>44.2</b>	<b>44.8</b>	<b>45.7</b>	<b>43.9</b>	<b>42.8</b>	<b>43.1</b>	<b>43.7</b>	<b>44.7</b>	<b>46.0</b>	<b>45.1</b>	<b>46.7</b>	<b>47.4</b>	<b>47.5</b>	<b>48.8</b>	<b>50.2</b>	<b>52.2</b>	<b>53.6</b>	<b>52.8</b>	<b>54.5</b>	<b>53.5</b>	<b>52.6</b>	<b>54.0</b>	<b>53.3</b>	<b>53.1</b>	<b>53.4</b>
Belgium	75.1	77.0	78.0	76.6	79.8	80.8	80.4	78.3	80.8	76.9	78.1	80.6	77.6	79.6	79.9	80.1	79.6	76.8	80.8	75.5	77.9	75.5	76.1	77.4	80.1
Bulgaria	62.8	61.1	56.2	58.1	54.6	55.9	55.9	51.0	50.0	48.7	46.0	45.8	45.7	46.3	48.1	46.7	45.6	50.7	51.7	45.1	39.6	36.0	36.1	37.7	34.5
Czech Rep.	15.4	15.9	16.0	16.1	18.7	20.6	24.2	24.1	25.1	25.1	22.9	25.1	26.4	25.1	25.5	28.0	27.8	25.1	28.0	27.2	25.6	28.0	25.3	27.9	30.4
Denmark	45.8	39.8	37.3	27.4	27.3	33.4	21.8	15.6	5.6	-16.5	-35.0	-28.0	-41.8	-31.3	-47.0	-49.8	-35.5	-24.1	-20.5	-19.7	-15.7	-5.6	-2.6	13.3	12.8
Germany	46.5	51.6	54.5	55.5	56.7	56.8	58.7	59.3	61.0	59.2	59.4	60.9	60.1	60.5	60.9	60.4	60.8	58.4	60.8	61.0	60.1	61.6	61.3	62.6	61.4
Estonia	44.2	41.6	32.8	34.3	34.9	32.3	28.7	27.9	36.2	34.9	32.2	32.3	29.6	26.7	28.5	26.1	29.2	24.7	24.7	22.0	13.6	12.0	17.0	11.9	8.9
Ireland	68.6	67.1	66.6	67.0	64.8	69.5	71.1	76.6	80.7	84.6	84.8	89.5	88.9	89.4	90.4	89.6	90.9	87.6	90.7	88.9	86.6	90.0	85.1	89.3	85.3
Greece	62.0	63.1	69.0	66.5	58.7	66.7	68.0	67.5	70.2	66.1	69.5	68.9	71.5	67.5	72.7	68.6	71.9	71.2	73.3	67.7	69.2	65.1	66.5	62.2	66.2
Spain	63.1	63.9	66.7	66.3	68.1	71.7	70.0	71.3	74.2	76.6	76.6	74.7	78.5	76.7	77.6	81.4	81.2	79.6	81.3	79.1	76.7	76.3	73.1	70.4	72.9
France	52.4	52.5	52.0	47.9	47.7	48.0	48.5	49.2	51.3	51.5	51.5	50.8	51.1	50.6	50.8	51.6	51.5	50.4	50.8	51.0	49.1	48.7	48.1	48.0	46.1
Croatia	39.8	27.3	34.1	32.2	37.6	36.1	38.8	42.2	44.2	48.6	48.4	46.5	54.3	50.6	51.8	52.5	49.0	51.6	54.6	46.0	46.6	49.4	48.9	47.0	43.8
Italy	84.7	82.0	84.2	80.8	81.1	81.9	81.9	80.8	81.9	82.9	86.5	83.2	85.6	83.0	84.4	83.4	85.9	83.0	82.9	80.8	82.6	81.4	79.2	76.8	75.9
Cyprus	98.3	100.7	99.9	103.6	97.0	100.5	98.2	97.7	96.9	102.0	98.6	95.9	100.1	96.1	95.4	100.7	102.5	95.9	97.5	96.3	100.8	92.4	97.0	96.4	93.4
Latvia	88.9	85.5	87.5	71.1	72.3	70.4	73.9	60.3	60.7	55.9	61.0	59.3	58.7	63.2	69.4	63.9	66.7	62.5	58.8	60.4	45.5	59.9	56.4	55.9	40.6
Lithuania	71.7	70.6	60.7	56.2	64.6	63.1	52.7	55.2	49.8	53.4	59.4	46.2	41.6	43.8	46.6	56.8	62.0	61.2	57.8	49.9	81.8	81.7	80.3	78.3	77.9
Luxembourg	99.5	98.6	99.5	98.3	98.8	97.7	99.4	98.5	99.5	97.1	99.6	97.4	98.6	98.4	97.9	97.4	98.2	96.7	97.5	97.5	97.1	97.3	97.5	97.0	96.6
Hungary	49.0	45.8	44.8	47.9	47.4	47.9	51.5	51.6	55.1	53.8	55.2	53.5	56.8	62.0	60.9	63.1	62.7	61.2	63.2	58.5	57.3	50.9	51.1	51.1	61.1
Malta	100.0	108.7	112.5	100.0	100.0	104.8	100.0	100.0	100.0	109.5	100.3	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	99.9	99.0	101.3	101.0	104.2	97.7
Netherlands	22.1	18.0	17.4	16.8	21.4	20.0	17.0	26.8	27.8	30.7	38.2	34.2	34.8	39.2	32.1	38.0	38.4	37.9	34.4	36.5	30.4	30.3	30.6	26.3	33.8
Austria	68.5	66.6	68.4	65.7	65.3	66.4	69.5	67.6	70.3	65.2	65.4	64.9	67.9	70.5	70.7	71.6	72.5	68.9	68.9	65.5	62.8	70.2	64.4	61.6	65.9
Poland	0.8	0.9	1.0	2.2	-0.9	-1.2	4.7	6.2	8.1	9.5	9.9	9.9	10.6	13.2	14.5	17.2	19.6	25.5	30.2	31.6	31.3	33.4	30.6	25.6	28.6
Portugal	84.1	82.3	84.2	82.8	81.5	85.3	80.4	83.9	84.1	87.4	85.1	85.1	84.1	85.5	83.9	88.6	84.0	81.4	83.4	81.4	75.1	77.7	79.3	72.9	71.6
Romania	34.3	27.8	29.7	26.9	25.7	30.3	30.7	32.4	28.5	21.1	21.8	26.1	24.1	25.4	30.2	27.6	29.4	31.7	28.0	20.3	21.9	21.6	22.7	18.5	17.0
Slovenia	45.7	42.4	41.8	48.2	49.2	50.9	55.3	55.0	52.5	55.8	52.8	50.4	50.6	53.6	52.4	52.5	52.0	52.5	55.1	48.5	48.6	47.7	51.1	46.9	44.6
Slovakia	77.5	73.5	75.3	69.6	68.3	68.5	73.2	73.0	71.1	66.5	65.5	62.2	63.9	64.5	67.7	65.3	63.8	68.3	64.4	66.5	63.1	64.3	60.2	59.2	60.9
Finland	61.2	57.1	56.1	56.1	66.1	53.6	55.2	56.4	53.5	50.9	55.1	54.9	52.0	58.9	54.3	54.2	53.6	52.9	54.1	53.7	47.8	52.9	46.3	48.5	48.8
Sweden	38.2	36.6	40.2	40.7	41.2	38.9	41.6	39.6	39.1	36.9	40.7	37.7	37.2	42.8	36.3	36.8	36.8	35.4	37.1	36.7	36.6	36.2	28.6	31.6	32.0
United Kingdom	2.4	5.2	4.1	0.2	-13.7	-16.4	-14.5	-15.4	-16.4	-20.3	-16.9	-9.3	-12.3	-6.4	4.5	13.4	21.2	20.5	26.2	26.4	28.4	36.2	42.3	46.4	45.5
Iceland	32.9	31.3	36.4	33.3	34.3	34.1	34.3	34.7	34.6	32.1	30.5	29.0	28.8	27.8	31.9	31.1	25.9	22.8	21.1	20.0	18.5	17.9	13.7	13.3	13.9
Norway	-437.1	-484.8	-537.3	-532.1	-607.3	-651.6	-762.7	-739.5	-682.7	-660.0	-733.1	-716.6	-803.1	-739.1	-740.1	-703.2	-665.5	-655.3	-570.5	-580.2	-499.0	-590.9	-566.9	-470.3	-569.6
Montenegro	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	40.0	42.2	50.5	43.5	39.7	24.2	35.9	34.1	26.6	29.7
FYR of Macedonia	47.7	49.1	41.5	44.4	34.8	41.1	44.9	42.4	41.3	35.8	39.9	38.2	45.7	38.1	41.2	43.5	44.0	47.2	45.1	44.0	43.1	44.9	48.5	47.9	52.9
Albania	:	:	:	:	:	:	:	:	:	40.2	45.6	51.8	53.6	51.1	48.3	50.5	38.8	50.9	48.9	45.0	28.5	35.1	19.1	26.8	29.4
Serbia	30.0	25.9	19.7	10.0	9.4	10.1	24.5	26.5	24.3	13.9	13.7	22.3	25.5	27.6	32.1	35.3	37.2	35.9	37.2	32.2	33.2	30.4	27.8	23.7	27.5
Turkey	52.2	47.8	50.4	55.2	55.6	59.1	60.6	60.1	59.9	60.8	66.3	65.1	67.8	71.1	70.4	71.6	72.6	74.3	72.2	70.4	69.3	70.7	75.3	73.3	74.8

Data shown in blue represent the lowest value over this time period, while those in red show the peak value.

A negative dependency rate indicates a net exporter of energy, while a dependency rate in excess of 100% relates to the build-up of stocks.

: Data not available.

The source dataset can be found [here](#).

### Geographical information

The **European Union** (EU) includes Belgium, Bulgaria, the Czech Republic, Denmark, Germany, Estonia, Ireland, Greece, Spain, France, Croatia, Italy, Cyprus, Latvia, Lithuania, Luxembourg, Hungary, Malta, the Netherlands, Austria, Poland, Portugal, Romania, Slovenia, Slovakia, Finland, Sweden and the United Kingdom.

### Methods and definitions

The **energy dependency rate** shows the extent to which an economy relies upon imports in order to meet its energy needs. It is defined as net energy imports divided by gross inland energy consumption (which includes stock changes) plus fuel supplied to international maritime bunkers, expressed as percentage. A negative dependency rate indicates a net exporter of energy, while a dependency rate in excess of 100% relates to the build-up of stocks.

### Timetable

A news release on renewable energy is planned for 10 February 2016.

### For more information

Eurostat [website section](#) on energy statistics.

Eurostat [database](#) on energy.

Eurostat [Statistics Explained article](#) on energy savings.

European Commission [energy security strategy](#).

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