

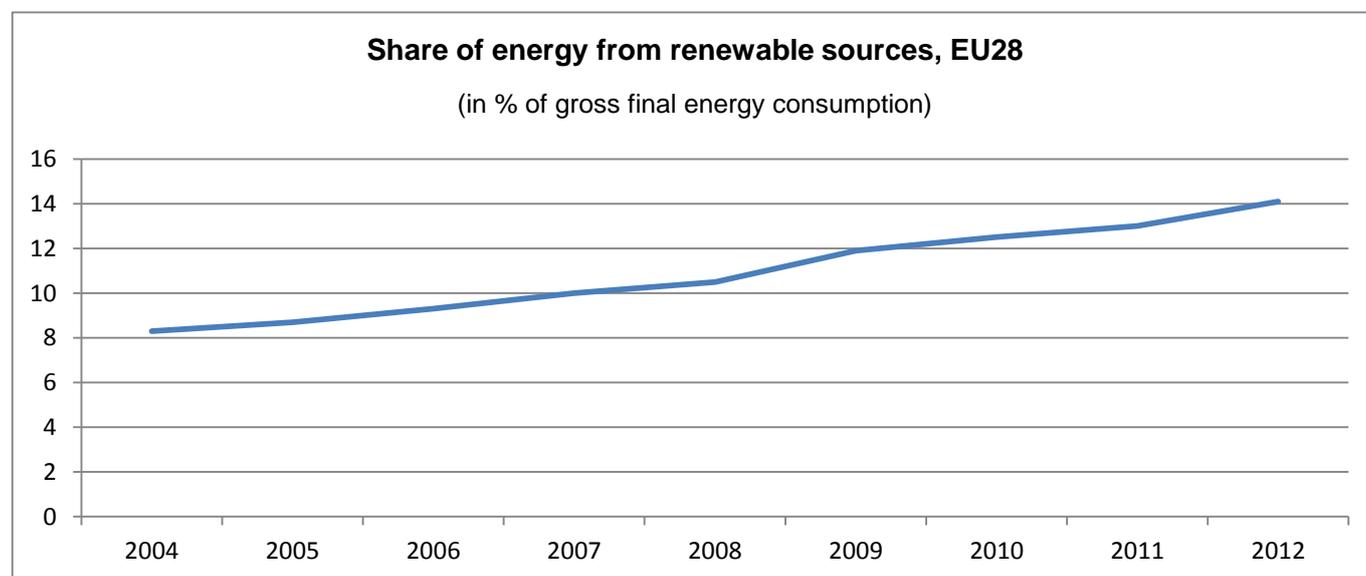
37/2014 - 10 March 2014

Renewable energy in the EU28

Share of renewables in energy consumption up to 14% in 2012

Bulgaria, Estonia and Sweden already achieve their 2020 targets

In 2012, energy from renewable sources¹ was estimated to have contributed 14.1% of gross final energy consumption in the **EU28**, compared with 8.3% in 2004, the first year for which this data is available. The share of renewables in gross final energy consumption is one of the headline indicators of the Europe 2020 strategy². The target to be reached by 2020 for the **EU28** is a share of 20% renewable energy use in gross final energy consumption. The national targets³ take into account the Member States' different starting points, renewable energy potential and economic performance.



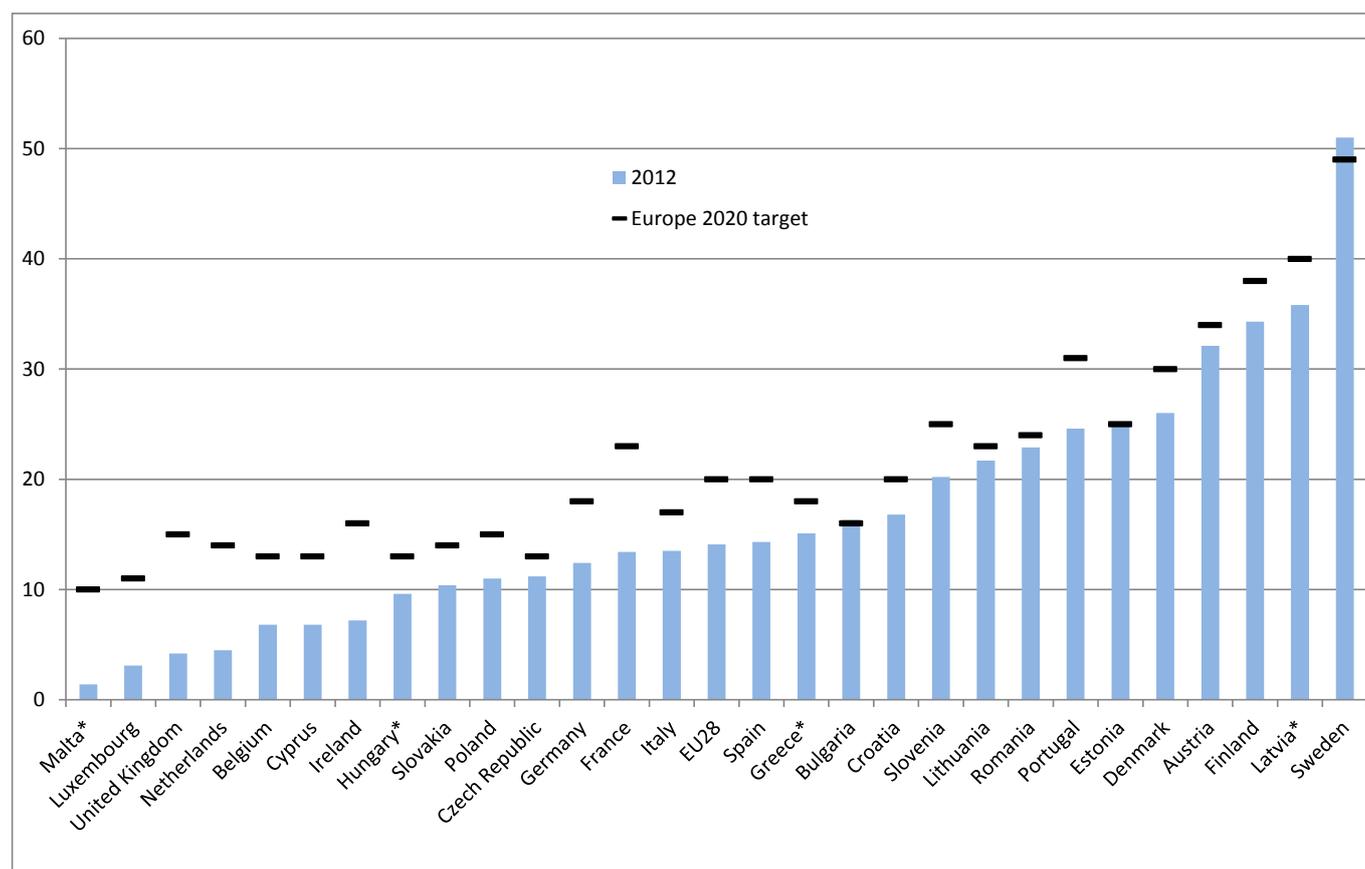
These figures⁴ are published by **Eurostat, the statistical office of the European Union**, and highlight the development of renewable energy sources in energy consumption in the EU28 and the Member States.

Largest increases in share of renewables between 2004 and 2012 in Sweden, Denmark and Austria

Since 2004, the share of renewable sources in gross final consumption of energy grew in all Member States. The largest increases during this period were recorded in **Sweden** (from 38.7% in 2004 to 51.0% in 2012), **Denmark** (from 14.5% to 26.0%), **Austria** (from 22.7% to 32.1%), **Greece** (from 7.2% to 15.1%) and **Italy** (from 5.7% to 13.5%).

The highest shares of renewable energy in final energy consumption in 2012 were found in **Sweden** (51.0% of energy from renewable sources in gross final consumption of energy), **Latvia** (35.8%), **Finland** (34.3%) and **Austria** (32.1%), and the lowest in **Malta** (1.4%), **Luxembourg** (3.1%), the **United Kingdom** (4.2%) and the **Netherlands** (4.5%). In 2011, **Estonia** was the first Member State to reach its 2020 target and in 2012 **Bulgaria**, **Estonia** and **Sweden** already achieved their 2020 targets (16%, 25% and 49% respectively)⁵.

Share of energy from renewable sources per Member State (in % of gross final energy consumption)



* estimated

1. Renewable energy sources cover solar thermal and photovoltaic energy, hydro (including tide, wave and ocean energy), wind, geothermal energy and biomass (including biological waste and liquid biofuels). The contribution of renewable energy from heat pumps is also covered for the Member States for which this information was available. The renewable energy delivered to final consumers (industry, transport, households, services including public services, agriculture, forestry and fisheries) is the numerator of the Europe 2020 target. The denominator, the gross final energy consumption of all energy sources, covers total energy delivered for energy purposes to final consumers as well as the transmission and distribution losses for electricity and heat.
2. For more information on the Europe 2020 strategy visit: http://ec.europa.eu/europe2020/index_en.htm
3. For more information on the targets for renewable energy visit: http://ec.europa.eu/energy/renewables/index_en.htm
4. For additional Eurostat data on energy visit: <http://epp.eurostat.ec.europa.eu/portal/page/portal/energy/introduction>.
5. Progress towards the 2020 targets is measured against the indicative trajectory defined in Annex I Part B of Directive 2009/28/EC: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=Oj:L:2009:140:0016:0062:en:PDF>. Member States shall introduce measures effectively designed to ensure that the share of energy from renewable sources equals or exceeds that shown in the indicative trajectory. Detailed Member States' data and also information on the indicative trajectories are available on the Eurostat website under the heading "SHARES 2012 results": http://epp.eurostat.ec.europa.eu/portal/page/portal/energy/other_documents.

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Share of energy from renewable sources
(in % of gross final energy consumption)

	2004	2007	2010	2011	2012	2020 target ⁵
EU28	8.3	10.0	12.5	13.0	14.1	20
Belgium	1.9	3.0	5.0	5.2	6.8	13
Bulgaria	9.6	9.4	14.4	14.6	16.3	16
Czech Republic	5.9	7.4	9.3	9.3	11.2	13
Denmark	14.5	17.9	22.6	24.0	26.0	30
Germany	5.8	9.0	10.7	11.6	12.4	18
Estonia	18.4	17.2	24.7	25.0	25.2	25
Ireland	2.4	3.6	5.6	6.6	7.2	16
Greece*	7.2	8.5	9.7	11.8	15.1	18
Spain	8.3	9.7	13.8	13.2	14.3	20
France	9.3	10.2	12.7	11.3	13.4	23
Croatia	13.2	12.1	14.3	15.4	16.8	20
Italy	5.7	6.5	10.6	12.3	13.5	17
Cyprus	3.1	4.0	6.0	6.0	6.8	13
Latvia*	32.8	29.6	32.5	33.5	35.8	40
Lithuania	17.2	16.7	19.8	20.2	21.7	23
Luxembourg	0.9	2.7	2.9	2.9	3.1	11
Hungary*	4.4	5.9	8.6	9.1	9.6	13
Malta*	0.3	0.4	0.4	0.7	1.4	10
Netherlands	1.9	3.1	3.7	4.3	4.5	14
Austria	22.7	27.5	30.8	30.8	32.1	34
Poland	7.0	7.0	9.3	10.4	11.0	15
Portugal	19.2	21.9	24.2	24.5	24.6	31
Romania	16.8	18.3	23.2	21.2	22.9	24
Slovenia	16.1	15.6	19.2	19.4	20.2	25
Slovakia	5.3	7.3	9.0	10.3	10.4	14
Finland	29.2	29.8	32.4	32.7	34.3	38
Sweden	38.7	44.1	47.2	48.8	51.0	49
United Kingdom	1.2	1.8	3.3	3.8	4.2	15
Norway	58.1	60.2	61.2	64.6	64.5	67.5

* Eurostat estimates based on the national data transmission under Regulation (EC) No 1099/2008 on energy statistics.