

EEA Core Set of Indicators - CSI 031
Renewable electricity
May 2005 assessment

working draft

About this document

Generated on: 17 Jun 2005

CSI contacts: http://ims.eionet.eu.int/IMS/About/contacts_for_csi

Online: <http://ims.eionet.eu.int/IMS/ISpecs/ISpecification20041007132211/IAssessment1116497885137>

If you would like to see further background information about this indicator, you can see the published specification at:

<http://www.eea.eu.int/coreset>

About this service

This PDF has been generated online by IMS (Indicator Management Service) at <http://ims.eionet.eu.int>.

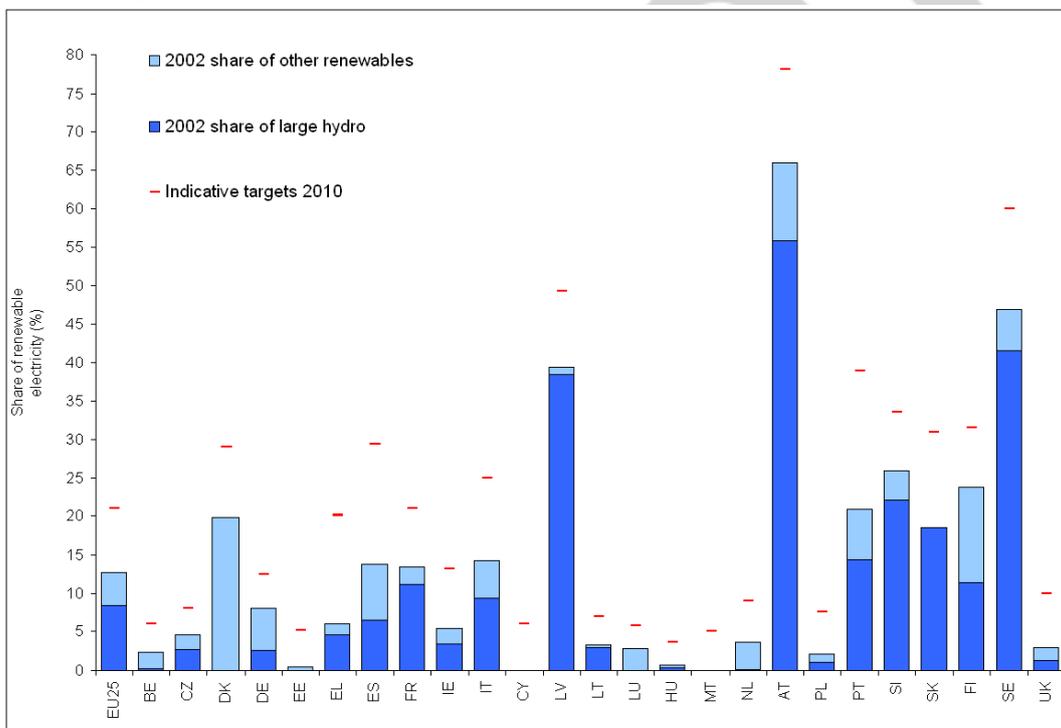
This service is part of Reportnet at <http://www.eionet.eu.int/rn/click>.



Key policy question: Are we switching to renewable energy sources to meet our electricity consumption?

Key message: The share of renewable energy in EU electricity consumption grew slightly over the period 1990-2001 but decreased in 2002 due to lower production from hydropower. Significant further growth will be needed to meet the EU indicative target of a 21 % share by 2010.

Fig. 1: Share of renewable electricity in gross electricity consumption in the EU25 (includes 2010 indicative targets)



Data source: Eurostat.

Note: The electricity directive (2001/77/EC) defines renewable electricity as the share of electricity produced from renewable energy sources in total electricity consumption. The latter includes imports and exports of electricity. The electricity generated from pumping in hydropower plants is included in total electricity consumption but it is not input as a renewable source of energy. Large hydropower plants have a capacity of more than 10 MW.



Fig. 2: Share of renewable electricity in gross electricity consumption in the EU25 (includes 2010 indicative targets)

	Share of renewable electricity in gross electricity consumption (%) 1990-2002 and 2010 indicative targets									
	1990	1995	1996	1997	1998	1999	2000	2001	2002	2010 targets
EEA members	17.1	17.5	16.6	17.2	17.7	17.5	18.2	17.8	17.0	-
EU-25 members	12.2	12.7	12.4	12.8	13.1	13.1	13.7	14.2	12.7	21.0
EU-15 old members	13.4	13.7	13.4	13.8	14.1	14.0	14.7	15.2	13.5	22.1
EU-10 new members	4.2	5.4	4.8	5.0	5.7	5.5	5.4	5.6	5.6	-
BE	1.1	1.2	1.1	1.0	1.1	1.4	1.5	1.6	2.3	6.0
CZ	2.3	3.9	3.5	3.5	3.2	3.8	3.6	4.0	4.6	8.0
DK	2.4	5.8	6.3	8.8	11.7	13.3	16.4	17.4	19.9	29.0
DE	4.3	4.7	4.7	4.3	4.9	5.5	6.8	6.2	8.1	12.5
EE	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.5	5.1
EL	5.0	8.4	10.0	8.6	7.9	10.0	7.7	5.1	6.0	20.1
ES	17.2	14.3	23.5	19.7	19.0	12.8	15.7	21.2	13.8	29.4
FR	14.6	17.7	15.2	14.8	14.3	16.4	15.0	16.4	13.4	21.0
IE	4.8	4.1	4.0	3.8	5.5	5.0	4.9	4.2	5.4	13.2
IT	13.9	14.9	16.5	16.0	15.6	16.9	16.0	16.8	14.3	25.0
CY	-	-	-	-	-	-	-	-	-	6.0
LV	43.9	47.1	29.3	46.7	68.2	45.5	47.7	46.1	39.3	49.3
LT	2.5	3.3	2.8	2.6	3.6	3.8	3.4	3.0	3.2	7.0
LU	2.1	2.2	1.7	2.0	2.5	2.5	2.9	1.5	2.8	5.7
HU	0.5	0.7	0.8	0.8	0.7	1.1	0.7	0.8	0.7	3.6
MT	-	-	-	-	-	-	-	-	-	5.0
NL	1.4	2.1	2.8	3.5	3.8	3.4	3.9	4.0	3.6	9.0
AT	65.4	70.6	63.9	67.2	67.9	71.9	72.0	67.3	66.0	78.1
PL	1.4	1.6	1.7	1.8	2.1	1.9	1.7	2.0	2.0	7.5
PT	34.5	27.5	44.3	38.3	36.1	20.5	29.4	34.2	20.8	39.0
SI	25.8	29.5	33.0	26.9	29.2	31.6	31.4	30.4	25.9	33.6
SK	6.4	17.9	14.9	14.5	15.5	16.3	16.9	17.4	18.6	31.0
FI	24.4	27.6	25.5	25.3	27.4	26.3	28.5	25.7	23.7	31.5
SE	51.4	48.2	36.8	49.1	52.4	50.6	55.4	54.1	46.9	60.0
UK	1.7	2.0	1.6	1.9	2.4	2.7	2.7	2.5	2.9	10.0
IS	99.9	99.8	99.9	99.9	99.9	99.9	99.9	100.0	99.9	-
NO	114.6	104.6	91.4	95.3	96.2	100.7	112.2	96.2	107.2	-
BG	4.1	4.2	6.4	7.0	8.1	7.7	7.4	4.7	6.0	-
RO	23.0	28.0	25.3	30.5	35.0	36.7	28.8	28.4	30.8	-
TR	40.9	41.9	43.0	38.1	37.3	29.5	24.3	19.1	25.6	-

Data source: Eurostat.

Note: The electricity directive (2001/77/EC) defines renewable electricity as the share of electricity produced from renewable energy sources in total electricity consumption. The latter includes imports and exports of electricity. The electricity generated from pumping in hydropower plants is included in total electricity consumption but it is not input as a renewable source of energy. Almost all electricity generated in Iceland and Norway come from renewable energy sources. The renewable electricity share in Norway is above 100% in some years because a part of the (renewable) electricity generated domestically is exported to other countries. The share of renewable electricity in Germany in 1990 refers to West Germany only.