

SUSTAINABLE DEVELOPMENT IN GERMANY

Data relating to the Indicator Report 2016



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Preliminary note

This publication "Data to the Indicator Report 2016" is a supplement to the Indicator Report 2016 on sustainable development in Germany. It provides not only the annual series pertaining to the sustainability indicators, but also supplies annual series relating to other interesting aspects relating to the sustainability indicators. Background information mentioned in the indicator report is extended in order to increase the informational value and the transparency of the sustainability indicators.

In addition to (1) with the definition of the respective indicator, these pages contain (2) the data series pertaining to the indicator (in bold print) and the data series of the other curves shown in the charts. Item supplementary data (3) offers important additional information which may be useful for interpreting the indicator data and in the most instances is mentioned in the texts. Sometime further sources of information are listed apart from the data sources.

List of abbreviations

BMEL	= Bundesministerium für Ernährung und Landwirtschaft (Federal Ministry for Food and Agriculture)
DAX	= Deutscher Aktienindex (German share index)
EU	= European Union
e.V.	= eingetragener Verein (registered association)
CO ₂	= carbon dioxide
%	= percent
ha	= hectare
kg	= kilogram
m ²	= square metre
km ²	= square kilometre
µg	= microgram

Explanation of symbols

0	= less than half of 1 in the last digit occupied, but more than zero
–	= no figures or magnitude zero
...	= data will be available later
/	= no data because the numerical value is not sufficiently reliable
.	= numerical value unknown or not be disclosed

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1 No poverty
Poverty – *Reducing poverty*

1.1.a Material deprivation

1.1.b Severe material deprivation

1. Definition

Material deprivation describes the lack of specific consumer goods and the involuntary foregoing of discretionary consumption for final reasons. The two indicators represent the proportion of people out of the total population who are deemed to suffer material deprivation (1.1.a) or severe material deprivation (1.1.b). The designation of (severe) material deprivation applies to all people whose household meets at least three (severely materially deprived: at least four) of nine defined criteria reflecting the financial restriction of the household.

2. Data on the time series of the indicator

Specification	2010	2011	2012	2013	2014	2015 ¹
	Shares in %					
Materially deprived persons in Germany.....	11.1	12.4	11.3	11.6	11.3	10.7
Severely materially deprived persons in Germany.....	4.5	5.3	4.9	5.4	5.0	4.4
Materially deprived persons in EU-28.....	17.8	18.5	19.7	19.5	18.5	16.9
Severely materially deprived persons in EU-28.....	8.4	8.8	9.9	9.6	8.9	8.1

3. Supplementary data

Specification	2010	2011	2012	2013	2014	2015
	Shares in %					
The household cannot afford						
to pay rent or utility bills in time.....	5.1	5.5	4.9	5.3	5.7	5.4
to keep its home adequately warm.....	5.0	5.2	4.7	5.3	4.8	4.1
to face a fixed amount of unexpected financial expenses.....	33.5	34.3	33.1	32.6	32.3	30.1
a meal with meat, chicken or fish (or vegetarian equivalent) every second day.....	8.5	8.8	8.1	8.4	7.5	7.1
one week's annual holiday away from home.....	23.6	22.6	21.8	22.3	20.9	19.7
a car.....	4.9	7.7	7.8	7.3	6.7	7.0
a washing machine.....	.	.	.	.	.	.
a colour TV.....	.	.	.	.	.	.
a telephone.....	.	.	.	.	.	.

¹ Estimated values for EU-28.

Source: Federal Statistical Office, Eurostat

4. Further information

2 Zero hunger

Farming – *Environmentally sound production in our cultivated landscapes*

2.1.a Nitrogen surplus in agriculture

1. Definition

The indicator represents the annual nitrogen surplus for the agricultural sector, calculated as nitrogen input minus removal of nitrogen, in kilograms per hectare of land utilised for agriculture.

2. Data on the time series of the indicator

Specification	1990	1991	1992	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	kg/ha agricultural land																	
Nitrogen surpluses in Germany																		
Moving five-year average 1.....	–	–	124	111	111	108	105	105	103	102	98	96	97	96	95	95	...	...
Year 2.....	149	124	119	119	104	109	109	97	103	106	100	102	81	92	109	95	97	84
memorandum item:																		
Moving three-year average 3.....	–	131	119	112	111	108	105	103	102	103	103	94	92	94	99	100	92	...

1 The moving five-year average was calculated from the total balance referring to the center year.

2 Data for 1990 partly uncertain, for 2014 partly preliminary.

3 The moving three-year average was calculated from the total balance in the given year, the previous year and the following year.

3. Supplementary data ⁴

Specification	1990	1991	1992	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Balance of nitrogen input and output for agricultural land in kg/ha ⁵																	
Fertiliser.....	124	113	104	121	111	109	109	111	108	109	98	110	95	97	110	102	102	103
Mineral fertiliser.....	121	110	101	118	108	106	105	107	104	105	94	107	92	94	107	99	99	100
Farmyard manure.....	2	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3
Atmospheric deposition (NOx).....	10	10	10	9	9	9	8	7	7	7	7	7	7	7	7	7	7	7
Non-agricultural emissions (NOy).....	10	10	10	9	9	9	8	7	7	7	7	7	7	7	7	7	7	7
Biological N-fixation.....	15	14	13	13	13	13	13	12	12	12	12	12	12	12	12	12	12	12
Seeds.....	2	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1
Animal feed (territorial concept).....	36	34	32	37	38	36	35	40	42	42	41	43	44	42	37	39	45	44
Feeding stuff from plants.....	9	11	10	11	10	11	11	13	13	14	15	13	17	16	12	13	15	14
Feeding stuff from animals.....	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Primary feeding stuff as market products.....	23	19	18	24	27	24	23	27	28	27	26	29	26	25	23	25	29	29
Animal feed (imports).....	9	11	10	11	10	11	11	13	13	14	15	13	17	16	12	13	15	20
Input.....	214	198	188	203	194	192	187	192	192	192	183	196	178	183	196	187	193	187

Specification	1990	1991	1992	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Balance of nitrogen input and output for agricultural land in kg/ha ⁵																	
Through crop.....	49	53	49	64	69	62	57	74	67	65	62	72	74	67	62	67	71	78
Cereals.....	38	42	38	49	54	47	43	56	50	48	45	55	55	50	47	50	54	58
Legumes.....	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
Root crops.....	6	5	5	6	5	5	5	6	5	4	5	5	5	5	6	5	5	6
Industrial crops (e. g. oilaginous fruit).....	4	6	5	7	8	8	7	11	10	11	11	10	13	12	8	10	12	13
Other field crops.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal market products.....	16	21	20	20	20	21	21	21	21	21	22	22	23	24	25	25	25	26
Meat.....	8	11	10	10	11	11	11	11	11	12	12	13	13	14	14	14	14	14
Other animal products.....	8	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11
Output.....	65	74	69	84	90	83	77	95	89	86	84	94	97	91	87	92	96	104
Balance.....	149	124	119	119	104	109	109	97	103	106	100	102	81	92	109	95	97	84

⁴ Data for 1990 partly uncertain, for 2014 partly preliminary.

⁵ Due to methodological changes, the results are comparable only to a limited degree with data of previous publications. Due to the accuracy indicated in the table, differences may occur in the subtotals.

Source: Institute for Crop and Soil Science, Julius Kühn-Institute (JKI) and Institute for Landscape Ecology and Resources Management, University of Giessen

4. Further informations

in German: Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz (BMELV): Statistik und Berichte, Nährstoffbilanz insgesamt 1990-2014
 berichte.bmelv-statistik.de/MBT-0111260-0000.xls

2 Zero hunger

Farming – *Environmentally sound production in our cultivated landscapes*

2.1.b Organic farming

1. Definition

The indicator shows the share of total utilised agricultural land in Germany that is cultivated by organically managed farms subject to the inspection system by the EU legislation on organic framing (Regulation (EC) No. 834/2007 and the implementing rules). It includes land that has been fully converted to organic management as well as areas still undergoing conversion.

2. Data on the time series of the indicator

Specification	1999	2000	2001 ¹	2002	2003	2004	2005 ¹	2006	2007	2008	2009	2010 ^{2,3}	2011	2012 ¹	2013	2014	2015
	Land use for organic farming as proportion of total farming land in %																
Data from the Federal Statistical Office.....	2.9	–	3.6	–	4.3	–	4.6	–	5.1	–	–	5.6	–	5.8	6.0	6.2	6.3
Comparable results from BMEL.....	2.6	3.2	3.7	4.1	4.3	4.5	4.7	4.9	5.1	5.4	5.6	5.9	6.1	6.2	6.4	6.3	6.5

¹ For the total of agriculturally used area: representative results.

² Until 2007 farms with 2 hectare agricultural used area at least, since 2010 with 5 hectare at least or with special fruits or husbandry, if fixed minimum size is achieved or exceeded.

³ Poor permanent grasslands and permanent grasslands taken out of production is until 2007 included in the position 'permanent grassland' and since 2010 in the position 'other lands'.

3. Supplementary data

Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Land use for organic farming in hectare ^{4,5}																
Total.....	489,093	–	606,531	–	731,177	–	782,475	–	861,161	–	–	941,480	–	960,200	1,009,000	1,033,800	1,060,291
	Main types of land use in the organically producing farms in hectare																
Arable land	252,834	–	293,466	–	348,795	–	377,596	–	411,551	–	–	427,600	–	412,800	419,600	447,700	445,244
Other lands 6	7,159	–	7,820	–	8,422	–	9,175	–	10,938	–	–	44,253	–	36,400	72,600	47,900	17,349
Permanent grassland 6	229,100	–	305,245	–	373,960	–	395,704	–	438,672	–	–	469,627	–	511,000	516,800	538,200	597,698
	Main types of land use in the organically producing farms in % of the land used for organic farming																
Arable land	51.7	–	48.4	–	47.7	–	48.3	–	47.8	–	–	45.4	–	43.0	41.6	43.3	42.0
Other lands 6	1.5	–	1.3	–	1.2	–	1.2	–	1.3	–	–	4.7	–	3.8	7.2	4.6	1.6
Permanent grassland 6	46.8	–	50.3	–	51.1	–	50.6	–	50.9	–	–	49.9	–	53.2	51.2	52.1	56.4

Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Agriculturally used area in thousand hectare																
Total	17,151.6	–	16,977.6	–	17,008.0	–	17,035.2	–	16,954.3	–	–	16,704.0	–	16,667.3	16,699.6	16,724.8	16,730.7
	Main types of land use in the whole agriculturally used area in thousand hectare																
Arable land	11,821.5	–	11,779.6	–	11,826.9	–	11,903.3	–	11,877.0	–	–	11,846.6	–	11,834.0	11,875.9	11,869.2	11,846.4
Other lands 6	216.3	–	214.3	–	212.8	–	202.9	–	202.5	–	–	413.4	–	401.3	412.3	388.2	207.2
Permanent grassland 6	5,113.8	–	4,983.7	–	4,968.3	–	4,929.0	–	4,874.7	–	–	4,443.9	–	4,432.0	4,411.4	4,467.4	4,677.1
	Main types of land use in the whole agriculturally used area in % of the agriculturally used area																
Arable land	68.9	–	69.4	–	69.5	–	69.9	–	70.1	–	–	70.9	–	71.0	71.1	71.0	70.8
Other lands 6	1.3	–	1.3	–	1.3	–	1.2	–	1.2	–	–	2.5	–	2.4	2.5	2.3	1.2
Permanent grassland 6	29.8	–	29.4	–	29.2	–	28.9	–	28.8	–	–	26.6	–	26.6	26.4	26.7	28.0
	Average size of farms in hectare ⁴																
Organic farms	51.1	–	52.2	–	52.7	–	57.7	–	59.5	–	–	56.9	–	–	56.0	–	–
Former territory of the Federal Republic of Germany	31.9	–	33.5	–	34.1	–	37.4	–	39.5	–	–	41.9	–	–	40.4	–	–
New Länder	190.9	–	185.9	–	185.8	–	182.3	–	179.2	–	–	166.8	–	–	158.9	–	–
Farms in total	36.3	–	38.1	–	40.4	–	42.9	–	45.3	–	–	55.8	–	–	58.6	–	–
Former territory of the Federal Republic of Germany	26.1	–	27.1	–	29.3	–	31.2	–	33.1	–	–	40.6	–	–	42.9	–	–
New Länder 7	184.4	–	182.4	–	184.6	–	188.2	–	185.0	–	–	226.8	–	–	229.3	–	–
	Land use for organic farming (EU-27/EU-28) in thousand hectare																
Total (with a certificate as well as under conversion) 8.....	–	–	–	–	–	–	6,475.8	6,881.7	7,268.8	7,790.6	8,549.0	9,179.9	9,613.5	10,047.9	10,070.6	10,315.1	11,140.0
	Land use for organic farming (EU-27/EU-28) in %																
Total (with a certificate as well as under conversion) 8.....	–	–	–	–	–	–	3.6	3.7	4.0	4.4	4.7	5.2	5.5	5.8	5.8	5.9	6.2

4 Until 2007 farms with at least 2 hectare agricultural used area, since 2010 with at least 5 hectare or with special fruits or husbandry, if fixed minimum size is achieved or exceeded.

5 Until 2007 the local agricultural used area by organic farms is given, since 2010 only the agricultural used area by organic farming.

6 Poor permanent grasslands and permanent grasslands taken out of production is until 2007 included in the position 'permanent grassland' and since 2010 in the position 'other lands'.

7 By 1999 including Berlin-Ost; from 2001 excluding Berlin.

8 Some values estimated by Eurostat. Source: Eurostat, April 2016. - Since 2012 EU-28.

4. Further information

in German: Statistisches Bundesamt, Agrarstatistik, Fachserie 3 Reihe 2.2.1

Eurostat (<http://eurostat.ec.europa.eu>)

3 Good health and well-being

Health and nutrition – *Living healthy longer*

3.1.a, b Premature mortality

1. Definition

The indicator includes fatalities among females (3.1.a) and males (3.1.b) in the population below 70 years of age with reference to 100,000 inhabitants of the "old" standardised European population below 70 years (excluding those less than 1 year old).

2. Data on the time series of the indicator

Specification	1991	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Deaths per 100,000 population below the age of 70 ¹															
Women.....	235	184	179	177	173	166	165	159	158	159	157	155	157	153	156	149
Men.....	492	382	367	360	356	337	329	318	313	308	305	301	299	293	292	281

3. Supplementary data

Specification	1991	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Deaths per 100,000 population below the age of 70 ¹															
Total.....	355	281	271	267	263	251	246	238	235	232	230	227	227	222	223	214
	Selected causes of death in %															
Diseases of the circulatory system.....	31.1	27.1	27.1	26.7	26.3	25.5	25.0	24.6	24.4	23.1	22.9	22.4	21.5	21.7	21.4	21.2
Malignant neoplasms.....	33.2	36.7	36.8	37.1	37.0	38.0	38.1	38.8	38.8	39.3	39.1	39.0	39.6	39.5	38.9	38.9
Diseases of the respiratory system.....	4.0	3.9	3.8	4.0	4.2	4.1	4.2	4.1	4.4	4.4	4.9	4.8	5.0	4.7	5.3	4.9
Diseases of the digestive system.....	7.6	7.8	7.8	7.9	7.8	7.8	7.8	7.7	7.4	7.4	7.2	7.2	7.1	7.0	7.0	6.9
Fatalities of external causes.....	11.0	10.2	10.2	10.3	10.1	9.9	9.7	9.5	9.2	9.2	9.2	9.3	9.2	9.0	8.8	9.0
	Health expenditure in Euro mn															
Total expenditure on health.....	–	213,804	221,334	229,755	235,677	235,423	241,932	247,401	255,788	266,164	280,610	290,252	295,510	302,907	314,666	327,951
Investments.....	–	6,167	6,677	6,776	6,346	6,121	6,224	5,754	5,617	6,155	6,772	6,559	6,217	6,275	6,140	6,231
Total current expenditure on health.....	–	207,636	214,657	222,978	229,331	229,302	235,709	241,647	250,172	260,009	273,838	283,694	289,293	296,632	308,526	321,720
Health prevention and public health services.....	–	7,449	7,815	8,185	8,643	8,741	8,887	9,219	10,104	10,644	10,946	10,897	10,630	10,765	10,970	11,503
Medical services.....	–	57,019	58,659	60,285	62,082	63,675	64,177	66,127	68,505	71,471	75,576	78,483	80,549	82,513	85,909	89,188
Nursing and therapeutic services.....	–	52,354	53,618	55,871	56,869	56,931	58,065	59,373	60,682	62,890	66,796	69,935	72,512	75,551	79,403	82,843
Food and lodging.....	–	18,570	18,873	19,408	19,753	19,986	20,649	21,399	21,712	22,333	23,475	23,786	24,570	24,853	25,638	26,437
Health care goods.....	–	57,488	60,383	62,991	65,060	63,358	66,873	68,422	71,800	74,646	77,894	80,515	80,596	82,231	85,319	90,288
Patient transport and emergency rescue.....	–	3,425	3,586	3,803	3,955	3,699	3,962	4,065	4,232	4,517	4,841	4,987	5,283	5,535	5,943	6,191
Administrative services.....	–	11,332	11,723	12,435	12,968	12,913	13,095	13,042	13,138	13,509	14,311	15,091	15,154	15,184	15,343	15,270
Per inhabitant (Euro)	–	2,600	2,690	2,790	2,860	2,850	2,930	3,000	3,110	3,240	3,430	3,550	3,681	3,766	3,902	4,050
Share in the gross domestic product (%)	–	10.1	10.2	10.4	10.6	10.4	10.5	10.4	10.2	10.4	11.4	11.2	10.9	11.0	11.2	11.2

Specification	1990- 1992	1999- 2001	2000- 2002	2001- 2003	2002- 2004	2003- 2005	2004- 2006	2005- 2007	2006- 2008	2007- 2009	2008- 2010	2009- 2011	2010- 2012	2011- 2013	2012- 2014
	Average life expectancy for newborns in years ²														
female	79.3	81.1	81.2	81.3	81.6	81.8	82.1	82.3	82.4	82.4	82.6	82.7	82.8	82.9	83.1
male	72.9	75.1	75.4	75.6	75.9	76.2	76.6	76.9	77.2	77.3	77.5	77.7	77.7	77.9	78.1

1 Standardised according to the "old" European population, excluding those under 1 year age.

2 Life table 1990-92 for the former territory of the Federal Republic; from 1991-93 life table for Germany. - March 2016

Source: Statistisches Bundesamt, Todesursachenstatistik (Causes of death statistics)
 Statistisches Bundesamt, Gesundheitsausgabenrechnung (Health expenditure calculation)
 Statistisches Bundesamt, Natürliche Bevölkerungsbewegung (Vital statistics)
 Statistisches Bundesamt, Bevölkerung und Erwerbstätigkeit (Population and employment), Sterbetafel Deutschland (Life table Germany)

4. Further information

in German: Gesundheitsberichterstattung (GBE) (www.gbe-bund.de)

3 Good health and well-being
Health and nutrition – *Living healthy longer*

3.1.c, d Smoking rate among adolescents and adults

1. Definition

3.1.c: The smoking rate among adolescents reflects the share of 12 to 17-year-olds who indicate that they smoke regularly or occasionally.

3.1.d: The smoking rate among adults indicates the share of those surveyed aged 15 and above who answered the questions in the microcensus regarding smoking behaviour and who smoke regularly or occasionally.

2. Data on the time series of the indicator

Specification	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Smoking rate in %																				
Adolescents (12 to 17 years) 1.....	–	–	28	–	–	–	28	–	23	24	20	–	18	15	–	13	12	12	–	10	8
Adults (15 years and older) 2.....	28	–	–	–	28	–	–	–	27	–	27	–	–	–	26	–	–	–	24	–	–

3. Supplementary data

Specification	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Smoking rate in %																				
Adolescents (12 to 17 years) 1.....	–	–	28.1	–	–	–	27.5	–	22.5	23.5	20.0	–	17.7	15.4	–	12.9	11.7	12.0	–	9.7	7.8
of which: male.....	–	–	27.4	–	–	–	27.2	–	21.9	24.2	20.7	–	17.8	14.7	–	14.2	11.1	11.5	–	10.5	...
female.....	–	–	28.9	–	–	–	27.9	–	23.2	22.7	19.3	–	17.5	16.2	–	11.5	12.4	12.6	–	8.9	...
Adults (15 years and older) 2.....	28.3	–	–	–	28.3	–	–	–	27.4	–	27.2	–	–	–	25.7	–	–	–	24.5	–	–
of which: regular.....	24.3	–	–	–	24.7	–	–	–	24.3	–	23.2	–	–	–	21.9	–	–	–	20.9	–	–
occasionally.....	4.0	–	–	–	3.6	–	–	–	3.2	–	4.0	–	–	–	3.8	–	–	–	3.6	–	–
Women (15 years and older) 2.....	21.5	–	–	–	22.2	–	–	–	22.1	–	22.4	–	–	–	21.2	–	–	–	20.3	–	–
of which: regular.....	17.8	–	–	–	18.9	–	–	–	19.1	–	18.8	–	–	–	17.6	–	–	–	17.1	–	–
occasionally.....	3.7	–	–	–	3.3	–	–	–	3.0	–	3.7	–	–	–	3.5	–	–	–	3.2	–	–
Men (15 years and older) 2.....	35.6	–	–	–	34.7	–	–	–	33.2	–	32.2	–	–	–	30.5	–	–	–	29.0	–	–
of which: regular.....	31.3	–	–	–	30.9	–	–	–	29.8	–	27.9	–	–	–	26.4	–	–	–	25.1	–	–
occasionally.....	4.3	–	–	–	3.8	–	–	–	3.4	–	4.3	–	–	–	4.1	–	–	–	3.9	–	–

1 Polls from 1993, 1997, 2001, 2003 - 2005, 2007, 2008, 2010, 2011, 2012, 2014 and 2015 are available.

2 With refer to residents who answered the questions concerning the smoking behavior. Polls from 1992, 1995, 1999, 2003, 2005, 2009, 2013 (published in November 2014) are available.

Source: Federal Statistical Office, Federal Centre for Health Education

Specification	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Number of fatalities by cancer which can be provoked from smoking ³																				
Total	38,935	38,475	38,908	39,566	39,177	40,553	40,053	40,715	40,865	41,342	42,217	42,348	43,005	43,830	43,638	44,457	45,489	45,908	46,332	46,609	...
Men.....	30,454	29,853	29,930	30,083	29,552	30,526	29,884	30,124	30,032	30,147	30,347	30,249	30,406	30,780	30,373	30,642	30,986	30,978	30,962	30,861	...
Women.....	8,481	8,622	8,978	9,483	9,625	10,027	10,169	10,591	10,833	11,195	11,870	12,099	12,599	13,050	13,265	13,815	14,503	14,930	15,370	15,748	...
	Fatalities by cancer which can be provoked from smoking, in % of fatalities																				
Total	4.4	4.4	4.5	4.6	4.6	4.8	4.8	4.8	4.8	5.1	5.1	5.2	5.2	5.2	5.1	5.2	5.3	5.3	5.2	5.4	...
Men.....	7.4	7.3	7.5	7.6	7.6	7.8	7.8	7.7	7.6	7.9	7.8	7.8	7.8	7.7	7.5	7.5	7.6	7.4	7.2	7.3	...
Women.....	1.8	1.8	1.9	2.1	2.1	2.2	2.3	2.3	2.4	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.3	3.3	3.3	3.5	...
	Average age deceased, in years																				
Off all deceased.....	74.6	74.8	74.9	75.2	75.3	75.5	75.6	75.9	76.0	76.0	76.4	76.5	76.7	76.9	77.1	77.3	77.4	77.8	78.0	78.1	...
Of deceased by cancer which can be provoked from smoking 3.....	68.2	68.1	68.2	68.4	68.6	68.5	68.9	68.9	69.0	69.1	69.4	69.5	69.8	69.9	70.1	70.5	70.6	70.7	70.8	71.1	...

3 Lung, laryngeal and tracheal cancer.

Source: Statistisches Bundesamt, Mikrozensus (Microcensus), Question on health problems (Data for total)
 Bundeszentrale für gesundheitliche Aufklärung (Federal Centre of Health Education): "Rauchen bei Jugendlichen und jungen Erwachsenen in Deutschland 2014 - Ergebnisse einer aktuellen Repräsentativbefragung und Trends", Köln - May 2015
 Bundeszentrale für gesundheitliche Aufklärung (Federal Centre of Health Education): "Die Drogenaffinität Jugendlicher in der Bundesrepublik Deutschland 2015", Köln - April 2016
 Statistisches Bundesamt, Todesursachenstatistik (Causes of death statistics)

4. Further information

in German: Gesundheitsberichterstattung (GBE) (www.gbe-bund.de)

3 Good health and well-being

Health and nutrition – *Living healthy longer*

3.1.e Obesity rate among adolescents

1. Definition

The indicator shows the proportion of 11- to 17-year-old adolescents suffering from excess weight and obesity.

2. Data on the time series of the indicator

Specification	2003 to 2006	2009 to 2012
	in % of those polled	
Total adolescents with obesity	8.9	10.0
Girls.....	9.6	10.3
Boys.....	8.4	9.6

3. Supplementary data

Specification	2003 to 2006			2009 to 2012		
	total	boys	girls	total	boys	girls
	in % of those polled					
Underweight (BMI under 18,5)	7.1	7.7	6.5	6.4	7.7	5.2
Normal weight (BMI 18,5 - 25)	74.0	73.9	74.2	74.7	72.4	76.8
Overweight (BMI 25 - 30)	9.9	10.1	9.7	8.9	10.2	7.6
Obese (BMI 30 and over)	8.9	8.4	9.6	10.0	9.6	10.3

BMI = Body Mass Index

Source: Brettschneider A-K, Schaffrath Rosario A, Kuhnert R, Schmidt S, Wiegand S, Ellert U & Kurth B-M.:
Updated prevalence rates of overweight and obesity in 11- to 17-year-old adolescents in Germany. Results from the telephone-based
KiGGS Wave 1 after correction for bias in self-reports. BMC Public Health 2015, 15:1101.

4. Further information

Robert Koch-Institut: Kinder- und Jugendgesundheitssurvey

3 Good health and well-being

Health and nutrition – *Living healthy longer*

3.1.f Obesity rate among adults

1. Definition

The indicator shows the proportion of adults (aged 18 years and older) suffering from obesity in the total adult population.

Obesity is calculated with the help of the Body Mass Index (BMI), which is calculated by dividing the body weight in kilograms by the square of an individual's height in metres.

People with a BMI of 25 and above are classified according to the WHO as "overweight" and those with a BMI of 30 as "obese".

2. Data on the time series of the indicator

Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
	in % of the age-standardised new European population														
Share of adults suffering from obesity	10.7	–	–	–	11.7	–	12.5	–	–	–	13.3	–	–	–	14.1
Women.....	10.2	–	–	–	11.2	–	11.8	–	–	–	12.4	–	–	–	12.8
Men.....	11.1	–	–	–	12.3	–	13.0	–	–	–	14.2	–	–	–	15.4

3. Supplementary data

Specification	2013											
	Total				Women				Men			
	of which have a body mass index from ... to under				of which have a body mass index from ... to under				of which have a body mass index from ... to under			

	under 18,5	18,5 - 25	25 - 30	30 and over	under 18,5	18,5 - 25	25 - 30	30 and over	under 18,5	18,5 - 25	25 - 30	30 and over
	Proportion of people by body mass index and age groups ¹ in % of the age-standardised new European population											
total.....	2.4	49.5	34.0	14.1	4.0	57.0	26.2	12.8	0.9	42.3	41.5	15.4
at age from ... to under ... years												
18 - 20	8.4	74.5	13.7	3.5	13.0	73.7	10.5	2.8	4.3	75.2	16.4	4.1
20 - 25	5.3	69.4	19.7	5.6	8.9	72.5	13.6	5.0	2.0	66.7	25.1	6.2
25 - 30	3.6	62.9	25.5	8.0	6.2	69.9	16.8	7.1	1.3	56.6	33.3	8.8
30 - 35	2.7	56.7	29.7	10.9	5.0	66.0	19.5	9.5	0.6	48.0	39.2	12.2
35 - 40	1.9	51.9	33.4	12.7	3.7	63.6	22.3	10.4	0.3	41.0	43.8	14.9
40 - 45	1.5	48.7	35.5	14.3	2.9	62.1	23.6	11.4	0.4	36.7	46.1	16.8
45 - 50	1.5	46.0	37.3	15.2	2.7	59.2	25.9	12.2	0.4	34.2	47.5	17.9
50 - 55	1.2	41.9	39.2	17.7	2.1	53.2	29.7	15.0	0.3	31.4	48.1	20.2
55 - 60	1.2	37.9	41.0	20.0	1.9	47.9	32.9	17.3	0.4	28.1	48.9	22.6
60 - 65	1.0	33.8	42.5	22.7	1.6	42.0	35.6	20.8	0.4	25.5	49.5	24.7
65 - 70	0.9	33.3	43.8	21.9	1.5	40.3	37.9	20.3	0.4	26.1	49.9	23.6
70 - 75	1.0	34.0	44.7	20.3	1.6	39.8	39.2	19.4	0.3	27.7	50.8	21.2
75 and over	1.7	37.6	43.3	17.4	2.4	40.7	38.9	17.9	0.7	33.2	49.4	16.7

¹ With refer to residents who answered the question concerning height and body weight. - Source: Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus), Questions on health problems.

4. Further information

3 Good health and well-being

Air pollution – Keeping the environment healthy

3.2.a Emissions of air pollutants

1. Definition

The indicator presents the mean value of the index of national emissions of the five air pollutants sulphur dioxide (SO₂), nitrogen oxides (NO_x), ammonia (NH₃), volatile organic compounds (NMVOC) and particulate matter (PM_{2.5}).

2. Data on the time series of the indicator

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	2005 = 100									
Air pollutants overall 1.....	100	99.2	96.0	93.2	88.2	91.8	90.5	87.3	87.5	83.9
Sulphur dioxide.....	100	100.6	97.1	97.2	86.8	91.2	90.3	87.1	86.6	81.9
Nitrogen oxides.....	100	98.9	94.4	88.8	82.5	84.1	81.9	79.4	79.0	75.5
Ammonia.....	100	100.7	100.7	102.1	104.8	100.5	106.7	103.9	107.6	109.1
Non-methane volatile organic compounds.....	100	99.1	93.9	88.9	81.3	91.1	85.0	81.9	79.4	73.2
Particulate matter 2,5 µg.....	100	96.9	93.8	89.0	85.4	92.1	88.5	84.2	84.9	79.9

3. Supplementary data

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	1,000 tonnes									
Total air pollutants 1.....	775.1	770.5	741.5	714.5	671.7	698.8	685.2	662.8	660.8	632.6
Sulphur dioxide.....	473.7	476.3	459.9	460.3	411.3	432.2	428.0	412.6	410.4	388.0
Nitrogen oxides.....	1,458.6	1,442.7	1,376.8	1,294.6	1,203.4	1,226.0	1,194.4	1,157.4	1,151.6	1,100.8
Ammonia.....	678.3	682.9	683.1	692.4	710.6	681.6	723.5	705.1	729.9	739.7
Non-methane volatile organic compounds.....	1,134.3	1,123.9	1,065.2	1,008.8	921.8	1,033.9	964.4	929.0	901.2	829.9
Particulate matter 2,5 µg.....	130.8	126.7	122.6	116.4	111.7	120.4	115.7	110.0	111.0	104.4

1 Average index of measurement data.

Source: German Environment Agency

4. Further information

Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting, Part 3
Umweltbundesamt (German Environment Agency)

www.destatis.de/TablesEEA
www.umweltbundesamt.de/air

3 Good health and well-being

Air pollution – Keeping the environment healthy

3.2.b Share of the population with excessive exposure to PM₁₀ in Germany

1. Definition

The indicator shows the number of persons who are exposed at their place of residence to an annual average of or more than 20 micrograms (µg) of PM₁₀ particulate matter (dust particles with a diameter less than 10 µm) per m³ of air.

2. Data on the time series of the indicator

Specification	2007	2008	2009	2010	2011	2012	2013	2014
	in millions							
Population with excessive exposure to PM10.....	50.1	25.1	28.5	28.9	36.6	12.2	14.3	12.4

3. Supplementary data

Specification	2007	2008	2009	2010	2011	2012	2013	2014
	Share of population per class of particular matter pollution in million ¹							
Load class in µg/m ³								
< 10	–	2,739	–	–	62,286	127,510	227,042	521,991
≥ 10 - < 15.....	1,183,243	8,224,681	12,245,606	8,494,251	5,731,501	16,458,174	15,807,878	14,881,527
≥ 15 - < 20.....	30,690,892	48,693,607	41,224,817	44,627,973	39,498,085	53,104,509	51,516,175	54,051,058
≥ 20 - < 25.....	46,553,638	22,834,383	24,501,444	25,646,464	33,099,568	12,051,521	14,186,929	11,774,585
≥ 25 - < 30.....	3,362,978	2,053,522	3,878,922	3,115,810	3,339,775	101,452	103,415	612,278
≥ 30 - < 35.....	182,021	132,498	142,177	108,467	111,952	–	–	–
≥ 35 - < 40.....	–	31,342	–	–	–	–	–	–
≥ 40.....	–	–	–	–	–	–	–	–
	Average pollution exposure of the population in µg/m ³							
Annual average.....	20.7	18.6	18.7	18.9	19.5	17.2	17.3	17.3

¹ The calculation is based on the respective population density distribution.

Source: German Environment Agency, World Health Organization

4. Further informations

www.umweltbundesamt.de/particulate-matter-pm10

4 Quality education

Education – *Continuously improving education and vocational training*

4.1.a Early school leavers (18- to 24-year-olds leaving school without graduation)

1. Definition

The indicator specifies the proportion of 18- to 24-year-olds from all people of the same age group who currently do not attend any school or institution of higher education, who are not attending any further education programmes and who have not completed second-stage secondary school (ISCED level 3-university entrance level or completed course of vocational training).

2. Data on the time series of the indicator

Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	18- to 24-year-olds without a leaving certificate and not in training, in % of all 18- to 24-year-olds																
Total.....	14.9	14.9	12.5	12.6	12.8	12.1	13.8	14.1	12.7	11.8	11.1	11.9	11.6	10.4	9.8	9.5	9.8
Female.....	15.6	15.2	12.8	12.6	12.8	11.9	14.2	13.8	12.0	11.2	10.8	11.0	10.6	9.7	9.3	9.0	9.5
Male.....	14.2	14.6	12.2	12.6	12.9	12.2	13.5	14.4	13.5	12.4	11.5	12.7	12.5	11.0	10.3	10.0	10.1

3. Supplementary data

Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011	2012	2013	2014	2015
	18- to 24-year-olds without a leaving certificate and not in training, number in thousands																
Total.....	749	756	728	757	785	766	930	944	870	791	745	784	765	668	625	574	581
Female.....	394	385	372	379	392	378	474	456	402	368	355	361	345	305	286	263	272
Male.....	356	372	356	377	393	388	456	489	468	422	390	423	421	364	339	311	309
	Number of graduates without university degree and school-leavers from general-education schools																
Without a general school-leaving certificate ("Hauptschulabschluss")	83,761	86,601	88,881	85,314	84,092	82,212	78,152	75,897	70,547	64,918	58,354	53,058	49,560	47,648	46,295	46,950	47,435
Female.....	29,928	30,560	32,102	30,919	30,611	29,647	28,396	28,040	26,299	25,046	22,848	20,707	19,686	18,917	18,466	18,602	18,348
Male.....	53,833	56,041	56,779	54,395	53,481	52,565	49,756	47,857	44,248	39,872	35,505	32,351	29,874	28,731	27,829	28,348	29,087
With a general school-leaving certificate.....	239,401	234,340	236,127	238,746	246,194	246,237	237,712	237,247	228,616	210,381	191,957	179,753	168,660	157,498	151,314	146,649	139,952
With intermediate school-leaving certificate ("Realschulabschluss")	374,295	372,810	376,545	377,011	384,008	419,790	398,749	398,176	392,637	373,503	361,380	350,856	339,758	344,527	377,364	375,791	370,201
With advanced technical college entrance qualification ("Fachschulreife").....	9,193	10,160	11,286	12,082	11,295	11,683	12,407	14,260	14,068	14,179	13,312	13,455	13,769	13,945	1,068	841	973
With general higher education entrance qualification ("allgemeine Hochschulreife")...	225,845	229,705	214,013	223,254	222,298	226,395	231,465	244,018	259,176	266,550	268,558	268,194	311,166	305,172	319,293	280,490	287,862

Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011	2012	2013	2014	2015
	Graduates without a leaving certificate and school-leavers in % of the same age resident population ^{1,2}																
Without a general school-leaving certificate ("Hauptschulabschluss") 1.....	9.1	9.6	9.8	9.2	8.8	8.5	8.1	7.9	7.7	7.5	7.0	6.6	6.3	6.0	5.7	5.8	6.0
Female.....	6.7	6.9	7.3	6.9	6.6	6.3	6.0	6.0	5.9	6.0	5.6	5.3	5.1	4.9	4.7	4.7	4.7
Male.....	11.4	12.1	12.2	11.4	10.9	10.5	10.0	9.7	9.4	9.0	8.3	7.8	7.4	7.0	6.7	6.8	7.1
With a general school-leaving certificate 1.....	26.1	25.9	26.1	25.8	25.9	25.3	24.5	24.7	24.8	24.4	23.0	22.3	21.4	19.8	18.6	18.0	17.6
With intermediate school-leaving certificate ("Realschulabschluss") 1.....	40.8	41.2	41.6	40.7	40.3	43.2	41.1	41.4	42.6	43.4	43.5	43.5	43.2	43.3	46.4	46.2	46.5
With advanced technical college entrance qualification ("Fachschulreife") 2.....	1.0	1.1	1.2	1.3	1.2	1.3	1.3	1.5	1.4	1.4	1.4	1.4	1.5	1.6	0.1	0.1	0.1
With general higher education entrance qualification ("allgemeine Hochschulreife") 2	24.8	24.6	22.5	23.6	23.6	24.3	24.6	25.5	26.5	27.2	27.4	28.4	34.2	35.2	38.8	34.6	34.8
	Number																
New apprenticeship contracts concluded 3.....	635,559	622,967	609,576	568,082	564,493	571,978	559,061	581,181	624,177	607,566	561,171	559,032	565,824	549,003	525,897	518,394	...

1 Average of the 15- to under 17-years old residents by the 31.12. of the previous year.

2 Average of the 18- to under 21-years old residents by the 31.12. of the previous year.

From 2012 population census 2011 is included.

3 Cut-off date 31.12.2008 (Statistisches Bundesamt, Berufsbildungsstatistik [Federal Statistical Office, Statistic on vocational training]). Because of new statistical concepts in 2007 the comparability of results before and after the change is restricted.

Source: Statistisches Bundesamt, Fachserie 11, Reihe 1 "Allgemeinbildende Schulen"
Statistisches Bundesamt, Fachserie 11, Reihe 3 "Berufsbildungsstatistik"
Statistisches Bundesamt, Mikrozensus (Microcensus)

4. Further information

in German: Statistische Ämter des Bundes und der Länder: Internationale Bildungsindikatoren im Ländervergleich

4 Quality education

Education – *Continuously improving education and vocational training*

4.1.b 30- to 34-year-olds with a tertiary or post-secondary non-tertiary level of education

1. Definition

The indicator specifies the proportion of 30- to 34-year-olds who hold a certificate from the tertiary education sector (level 5 to 8 of the ISCED 2011) or a post-secondary non-tertiary certificate (level 4 of the ISCED).

2. Data on the time series of the indicator

Specification	1999	2000	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	30- to 34-year-olds with a tertiary or post-secondary level of education ^{1,2} - Share of all 30-to 34-year-olds, in %														
Total 2.....	33.4	33.0	33.9	36.2	36.0	36.5	37.6	38.8	40.7	41.3	42.2	43.4	44.5	45.7	46.8
Female.....	31.4	30.9	32.2	34.7	35.0	36.5	38.0	39.7	42.2	42.7	44.4	46.0	46.8	48.4	50.5
Male.....	35.2	35.0	35.5	37.7	37.0	36.5	37.3	37.9	39.2	40.0	40.1	40.9	42.2	42.9	43.1
memorandum item: 30- to 34-year-olds with a tertiary level of education ³	24.8	25.3	25.0	26.8	26.1	25.8	26.5	27.6	29.4	29.8	30.7	31.9	33.1	31.4	32.3

3. Supplementary data

Specification	1999	2000	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	30- to 34-year-olds with a tertiary level of education ³ in %														
Total tertiary (ISCED 5A, 5B, 6).....	24.8	25.3	25.0	26.8	26.1	25.8	26.5	27.6	29.4	29.8	30.7	31.9	33.1	31.4	32.3
Female.....	21.4	21.8	22.5	24.3	24.1	24.4	25.7	27.0	29.2	29.7	31.5	32.9	34.0	30.8	32.3
Male.....	28.1	28.8	27.4	29.2	28.0	27.2	27.3	28.2	29.6	29.9	29.8	30.9	32.2	31.9	32.2
Total EU, total tertiary 3, 4.....	.	22.4	25.0	26.9	28.1	29.0	30.1	31.2	32.3	33.8	34.8	36.0	37.1	37.9	38.7
	25- to 34-year-olds with a tertiary level of education ³ in %														
Total.....	21.6	22.3	21.8	22.9	22.5	22.0	22.6	23.9	25.6	26.1	27.6	28.9	30.0	28.4	29.6
Female.....	19.7	20.4	20.8	22.5	22.1	22.3	23.4	24.7	26.9	27.4	29.7	31.2	32.1	28.9	30.6
Male.....	23.3	24.0	22.7	23.3	22.9	21.6	21.9	23.0	24.4	24.8	25.7	26.7	27.9	27.9	28.6
	Number of university graduates in Germany by field of study														
Total.....	221,696	214,473	218,146	230,940	252,482	265,704	286,391	309,364	338,656	361,697	392,171	413,338	436,420	460,503	481,588
including:															
Engineering.....	42,335	39,270	36,702	37,257	39,407	40,914	44,050	48,751	52,968	59,249	69,737	77,775	85,094	91,897	100,401
Mathematics, natural sciences.....	32,537	30,379	30,486	34,159	39,693	43,093	47,915	53,622	58,287	63,497	67,656	70,343	74,258	78,179	80,473
Legal, economic and social sciences.....	72,038	69,750	75,759	81,711	87,338	90,601	97,504	99,642	115,094	119,392	127,853	133,380	139,756	146,835	153,991
Languages and arts.....	36,752	36,770	37,006	38,138	42,738	46,444	50,788	57,878	60,222	66,071	70,092	73,570	78,717	83,044	84,071
Human medicine.....	18,830	19,104	17,740	18,052	20,440	20,337	21,224	22,351	23,853	23,752	24,829	24,982	25,657	27,041	28,133
Arts.....	9,218	9,462	10,291	11,020	11,724	12,961	12,819	13,713	13,935	14,805	16,030	16,945	17,107	17,131	17,182

Specification	1999	2000	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	University graduates in Germany by field of study in %														
Engineering.....	19	18	17	16	16	15	15	16	16	16	18	19	19	20	21
Mathematics, natural sciences.....	15	14	14	15	16	16	17	17	17	18	17	17	17	17	17
Legal, economic and social sciences.....	32	33	35	35	35	34	34	32	34	33	33	32	32	32	32
Languages and arts.....	17	17	17	17	17	17	18	19	18	18	18	18	18	18	17
Human medicine.....	8	9	8	8	8	8	7	7	7	7	6	6	6	6	6
Arts.....	4	4	5	5	5	5	4	4	4	4	4	4	4	4	4
	Share of foreigners ("Bildungsausländer") of the university graduates in %														
Foreigners.....	3.4	3.7	5.2	6.0	7.0	7.5	8.1	8.3	8.0	7.8	7.7	7.5	7.4	7.4	7.6
	First year students as to degree programmes in %														
Bachelor's degree.....	0.7	1.8	7.5	12.4	24.0	39.4	56.9	66.0	69.4	70.7	72.8	72.8	72.7	72.4	71.7
Master's degree.....	0.3	0.7	1.4	1.6	1.9	2.3	2.3	2.9	3.0	3.6	3.7	4.6	5.0	5.4	6.0
Diploma and Master's programmes 5.....	43.1	43.3	38.1	34.8	29.5	20.3	9.4	4.0	8.3	7.7	7.3	6.8	6.7	6.7	6.7
State examination and other 6.....	55.9	54.3	53.0	51.2	44.7	38.0	31.4	27.1	19.3	18.0	16.2	15.9	15.6	15.5	15.6
	Average age of graduates completing their first degree ⁷ in years														
Total.....	28.3	28.2	27.9	27.9	27.8	27.7	27.6	27.5	27.1	26.9	26.6	26.6	26.5	24.4	24.1
Bachelor's degree.....	–	30.5	25.8	26.0	25.8	25.8	25.8	25.8	25.5	25.4	25.5	25.6	25.7	23.8	23.7
Master's degree.....	–	27.0	28.8	28.4	28.1	28.0	28.0	28.2	28.0	28.0	29.1	28.5	28.3	25.9	26.1
Diploma from university.....	28.3	28.3	28.1	28.1	28.1	27.9	27.9	27.9	27.7	27.8	27.9	28.0	28.3	26.6	26.4
Diploma from advanced technical college ("Fachhochschule").....	28.6	28.4	27.9	27.9	27.8	27.8	27.9	27.8	27.9	28.1	28.4	29.0	29.0	26.2	25.7

ISCED = International Standard Classification of Education

1 Results of Microcensus.

2 Until 2013 ISCED 97, the indicator refers to ISCED-level 4, 5A, 5B and 6. As of 2014 revised ISCED. The indicator refers to ISCED-level 4, 5, 6, 7 and 8.

3 Until 2013 ISCED 97, the indicator refers to ISCED-level 5A, 5B and 6. As of 2014 revised ISCED. The indicator refers to ISCED-level 5, 6, 7 and 8.

4 To 2004 EU-27, from 2005 EU-28.

5 Share of 25- to 34-year-old university graduates, according to (ISCED 5A/6); excluding universities of applied administrative sciences.

6 Examinations for diploma and appropriate examinations, since academic year 2007 university degree (without teaching examinations) excluding bachelor and master degrees.

7 Examinations for teaching degree, for a doctorate, other degrees, degree of arts, degree from advanced technical college ("Fachhochschule"); since academic year 2007 bachelor and master degrees from examination for arts or and from examinations.

8 Since 2011 graduates with a master degree are not accounted for first graduates.

Note on footnotes 6 and 7:

As of winter semester 2007/2008, the classification of examinations of higher education statistics was completely revised. In this context, the groups of examinations "Bachelor's degree" and "Master's degree" were deleted and the final examinations contained in them were allocated to other groups of examinations, e. g. "Bachelor's degree (U)" from "Bachelor's degree" to "University degree (without teaching examinations)".

Source: Statistisches Bundesamt, Mikrozensus (Microcensus)
Statistisches Bundesamt, Hochschulstatistik (University statistics)

4. Further informations

in German: Statistisches Bundesamt: Hochschulen auf einen Blick

in German: Statistische Ämter des Bundes und der Länder: Internationale Bildungsindikatoren im Ländervergleich

4 Quality education

Prospects for families – Improving the compatibility of work and family life

4.2.a, b All-day care provision for children

1. Definition

The indicator shows the proportion of children in all-day care among all children of the same age group. In this context, all-day care refers to a duration of more than seven hours. Day care in private homes is not taken into account. Indicator 4.2.a refers to the group of 0- to 2-year-olds. Indicator 4.2.b refers to 3- to 5-year-old children.

2. Data on the time series of the indicator

Specification	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	%										
All-day care for children aged 0- to 2-years.....	5.9	6.5	7.3	8.7	10.2	11.3	12.7	13.7	15.3	15.9	16.2
All-day care for children aged 3- to 5-years.....	22.0	24.2	26.9	29.7	32.1	34.7	36.9	39.1	41.4	43.7	44.5

3. Supplementary data

Specification	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	Number										
Children aged 6- to 13-years in institutional all-day care.....	99,389	105,964	113,330	123,650	131,654	140,726	153,790	167,517	182,987	189,282	197,957
Children aged 6- to 13-years in part-time care	660,466	668,111	656,821	650,952	643,993	640,535	618,331	613,261	606,454	610,649	819,767
Full-time pupils 1 in general education schools.....	1,484,462	1,718,740	1,923,805	2,102,081	2,141,846	2,321,000	2,439,156	2,601,861	2,717,397	...	...
including: primary schools.....	399,666	499,591	566,103	620,783	645,816	732,427	784,932	846,450	891,663	...	...
	%										
Full-time pupils 1 in general education schools.....	17.6	20.9	24.1	27.1	28.3	31.0	33.1	35.8	37.7	...	...
including: primary schools.....	12.7	16.2	18.9	21.4	22.8	26.4	28.7	31.4	33.1	...	...
	Number										
Live births 2.....	719,250	672,724	684,862	682,514	677,947	662,685	673,544	682,069	714,927	737,575	...

1 Information by the conference of the ministers of education (Kultusministerkonferenz). - Compared to the last issue of this publication, the Federal State of Schleswig-Holstein has revised its data for the years 2009 - 2011.

2 2015 preliminary result.

Specification	2006		2007		2008		2009		2010		2011	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Children aged 0- to 2-years in institutional all-day care												
Baden-Württemberg.....	4,968	1.7	6,209	2.2	7,564	2.7	9,420	3.4	12,373	4.5	14,836	5.4
Bayern (Bavaria).....	6,340	1.9	7,785	2.4	9,378	2.9	11,264	3.5	14,300	4.5	17,227	5.4
Berlin.....	16,611	19.4	17,593	20.3	18,688	21.0	20,941	22.7	22,767	24.0	24,147	24.8
Brandenburg.....	12,297	22.1	13,145	23.8	13,243	23.8	15,062	26.6	16,865	29.4	17,821	30.7
Bremen.....	436	2.7	583	3.6	747	4.6	828	5.1	1,020	6.2	1,390	8.5
Hamburg.....	4,129	8.9	4,645	9.9	5,023	10.4	6,016	12.3	7,194	14.6	8,345	16.8
Hessen (Hesse).....	4,654	2.9	6,212	3.9	8,017	5.1	9,824	6.3	13,285	8.5	15,510	10.0
Mecklenburg-Vorpommern (Mecklenburg-Western Pomerania).....	6,937	18.1	7,095	18.7	7,433	19.7	8,474	22.1	9,325	24.0	9,927	25.1
Niedersachsen (Lower Saxony).....	2,668	1.3	3,303	1.6	4,182	2.1	5,749	2.9	7,310	3.8	9,271	4.8
Nordrhein-Westfalen (North-Rhine/Westphalia).....	11,171	2.4	12,509	2.7	16,273	3.6	21,048	4.7	24,659	5.5	27,162	6.1
Rheinland-Pfalz (Rhineland-Palatinate).....	2,664	2.6	3,185	3.2	3,896	4.0	5,034	5.2	6,614	6.9	8,797	9.2
Saarland.....	859	3.8	1,012	4.5	1,270	5.8	1,609	7.4	2,021	9.5	2,439	11.5
Sachsen (Saxony).....	19,646	20.1	20,852	21.2	22,330	22.6	25,921	25.7	29,731	29.0	31,486	30.3
Sachsen-Anhalt (Saxony-Anhalt).....	13,513	26.4	14,364	28.1	14,607	28.5	16,248	31.4	17,562	33.7	18,306	35.0
Schleswig-Holstein.....	1,207	1.7	1,377	1.9	1,643	2.4	2,097	3.0	2,898	4.2	3,976	5.8
Thüringen (Thuringia).....	15,436	30.4	15,117	30.1	15,688	31.3	18,036	35.5	19,738	38.4	20,652	39.7
Deutschland (Germany).....	123,536	5.9	134,986	6.5	149,982	7.3	177,571	8.7	207,662	10.2	231,292	11.3
Former territory of the Federal Republic without Berlin.....	39,096	2.3	46,820	2.8	57,993	3.5	72,889	4.4	91,674	5.6	108,953	6.7
New Länder without Berlin (from 2015 with Berlin).....	67,829	23.1	70,573	24.1	73,301	25.0	83,741	28.1	93,221	30.8	98,192	32.1
Children aged 3- to 5-years in institutional all-day care												
Baden-Württemberg.....	21,403	6.8	23,886	7.9	27,254	9.2	33,329	11.4	36,948	12.9	41,683	14.7
Bayern (Bavaria).....	59,873	16.8	65,269	18.9	68,257	20.1	71,528	21.4	74,820	22.8	80,927	24.9
Berlin.....	41,485	50.3	42,336	51.9	43,936	53.0	45,169	54.0	46,690	54.5	49,694	56.4
Brandenburg.....	25,151	43.8	26,712	46.8	28,316	49.3	29,864	52.1	31,019	54.3	32,915	56.9
Bremen.....	3,071	18.4	3,072	19.1	3,109	19.8	3,315	21.1	3,492	22.2	4,186	26.2
Hamburg.....	11,000	24.7	12,020	27.0	12,857	28.5	14,281	31.4	15,489	33.6	17,016	36.3
Hessen (Hesse).....	37,765	22.1	42,204	25.5	47,554	29.2	52,056	32.4	57,546	36.3	61,506	39.0
Mecklenburg-Vorpommern (Mecklenburg-Western Pomerania).....	17,640	46.1	18,426	48.5	19,665	51.6	20,691	54.8	20,983	55.9	21,791	58.0
Niedersachsen (Lower Saxony).....	18,555	7.9	21,391	9.5	23,396	10.7	26,378	12.5	29,332	14.3	33,361	16.6
Nordrhein-Westfalen (North-Rhine/Westphalia).....	97,043	19.0	106,992	21.7	128,738	26.7	143,920	30.5	153,870	33.3	162,875	35.7
Rheinland-Pfalz (Rhineland-Palatinate).....	20,279	18.1	21,746	20.2	24,424	23.3	28,916	28.4	33,361	33.6	37,927	38.6
Saarland.....	3,701	14.8	3,848	16.1	4,425	18.9	5,147	22.6	5,746	25.7	6,575	30.0
Sachsen (Saxony).....	57,131	59.5	59,281	62.2	63,595	65.9	68,300	70.2	73,115	74.8	74,579	75.6
Sachsen-Anhalt (Saxony-Anhalt).....	26,921	50.6	27,354	53.1	27,799	54.5	28,435	56.4	29,274	58.0	31,071	61.2
Schleswig-Holstein.....	8,108	10.0	8,629	11.1	9,628	12.6	10,585	14.2	11,638	16.0	13,727	19.1
Thüringen (Thuringia).....	43,195	84.0	42,979	84.5	43,030	84.9	43,409	86.1	43,497	87.1	44,639	89.4
Deutschland (Germany).....	492,321	22.0	526,145	24.2	575,983	26.9	625,323	29.7	666,820	32.1	714,472	34.7
Former territory of the Federal Republic without Berlin.....	280,798	15.1	309,057	17.2	349,642	19.8	389,455	22.5	422,242	24.9	459,783	27.4
New Länder without Berlin (from 2015 with Berlin).....	170,038	57.4	174,752	59.7	182,405	62.1	190,699	65.0	197,888	67.6	204,995	69.5

Specification	2012		2013		2014		2015		2016	
	Number	%	Number	%	Number	%	Number	%	Number	%
Children aged 0- to 2-years in institutional all-day care										
Baden-Württemberg.....	17,831	6.6	19,889	7.3	23,863	8.7	26,472	9.3	28,653	9.6
Bayern (Bavaria).....	22,445	7.1	25,451	7.9	29,215	8.9	31,720	9.4	33,481	9.6
Berlin.....	25,615	26.1	27,235	27.1	28,689	28.1	29,269	27.5	30,618	27.8
Brandenburg.....	18,511	32.2	19,073	33.0	19,230	33.5	19,522	33.2	20,540	34.0
Bremen.....	1,590	9.8	1,771	10.9	2,228	13.5	2,491	14.3	2,677	14.4
Hamburg.....	9,416	19.0	10,020	19.9	10,426	20.4	11,415	21.5	12,158	21.7
Hessen (Hesse).....	17,738	11.4	19,984	12.8	23,185	14.8	25,840	16.1	27,809	16.5
Mecklenburg-Vorpommern (Mecklenburg-Western Pomerania).....	10,937	27.9	11,648	29.9	12,112	31.5	12,696	32.7	13,290	33.3
Niedersachsen (Lower Saxony).....	11,193	5.9	13,425	7.1	16,437	8.7	18,167	9.3	20,459	10.0
Nordrhein-Westfalen (North-Rhine/Westphalia).....	30,222	6.9	33,238	7.6	39,542	9.0	44,269	9.7	46,961	9.8
Rheinland-Pfalz (Rhineland-Palatinate).....	11,084	11.7	12,122	12.7	13,760	14.2	14,729	14.9	16,011	15.3
Saarland.....	2,857	13.5	3,427	16.2	3,910	18.7	4,566	21.5	4,907	21.9
Sachsen (Saxony).....	33,134	31.9	34,225	32.6	36,471	34.8	38,217	35.8	40,040	36.4
Sachsen-Anhalt (Saxony-Anhalt).....	18,964	36.9	19,504	38.1	23,443	46.0	23,464	45.5	24,026	45.1
Schleswig-Holstein.....	4,755	7.1	5,632	8.4	6,727	10.0	7,979	11.6	8,477	12.0
Thüringen (Thuringia).....	21,427	41.4	22,613	43.1	23,842	45.5	24,525	45.9	25,440	46.3
Deutschland (Germany).....	257,719	12.7	279,257	13.7	313,080	15.3	335,341	15.9	355,547	16.2
Former territory of the Federal Republic without Berlin.....	129,131	8.0	144,959	8.9	169,293	10.3	187,648	11.1	201,593	11.4
New Länder without Berlin (from 2015 with Berlin).....	102,973	33.9	107,063	35.1	115,098	37.9	147,693	35.5	123,336	38.7
Children aged 3- to 5-years in institutional all-day care										
Baden-Württemberg.....	45,204	16.1	49,582	17.6	55,453	19.7	60,178	21.4	65,130	22.7
Bayern (Bavaria).....	87,583	26.9	94,918	29.1	103,208	31.5	109,915	33.9	115,505	34.6
Berlin.....	53,311	58.1	56,336	59.5	58,430	60.2	59,378	61.1	60,577	60.0
Brandenburg.....	34,705	58.6	36,476	60.4	37,459	60.9	38,577	63.0	39,242	62.2
Bremen.....	4,256	26.4	4,858	30.0	5,238	32.3	5,783	35.7	6,231	36.9
Hamburg.....	17,943	37.9	19,541	41.0	20,365	42.4	21,761	45.7	22,254	45.3
Hessen (Hesse).....	65,006	41.3	69,785	44.2	73,973	46.7	76,475	48.0	81,024	49.6
Mecklenburg-Vorpommern (Mecklenburg-Western Pomerania).....	23,792	61.6	25,087	63.8	26,110	64.9	26,607	66.5	27,066	66.6
Niedersachsen (Lower Saxony).....	37,516	18.8	42,437	21.4	47,636	24.0	52,008	26.6	57,936	28.8
Nordrhein-Westfalen (North-Rhine/Westphalia).....	171,870	37.8	179,586	39.7	187,533	41.4	196,883	44.1	207,469	44.9
Rheinland-Pfalz (Rhineland-Palatinate).....	44,003	44.7	45,654	46.6	47,042	47.9	49,019	49.6	51,634	50.8
Saarland.....	7,548	34.8	8,408	39.1	9,144	42.5	9,930	46.2	10,798	48.6
Sachsen (Saxony).....	76,853	76.2	80,185	77.9	82,978	79.0	85,109	81.0	87,637	80.9
Sachsen-Anhalt (Saxony-Anhalt).....	32,660	63.4	33,879	65.0	42,130	80.2	42,817	82.9	43,246	81.4
Schleswig-Holstein.....	15,294	21.3	17,232	24.1	18,360	25.7	20,687	29.6	22,512	31.5
Thüringen (Thuringia).....	44,467	87.4	45,582	88.1	47,854	91.0	48,033	91.4	49,626	90.8
Deutschland (Germany).....	762,011	36.9	809,546	39.1	862,913	41.4	903,160	43.7	947,887	44.5
Former territory of the Federal Republic without Berlin.....	496,223	29.6	532,001	31.8	567,952	33.9	602,639	36.3	640,493	37.5
New Länder without Berlin (from 2015 with Berlin).....	212,477	70.6	221,209	72.2	236,531	75.8	300,521	73.7	246,817	77.2

Source: Statistisches Bundesamt, Statistik der Kindertagesbetreuung (Statistics of child care), Bevölkerungsstatistik (Population statistics)
Sekretariat der Kultusministerkonferenz (Secretariat of the Standing Conference of Länder Ministers of Education)

4. Further information

in German: Statistische Ämter des Bundes und der Länder: Demografischer Wandel; Heft 3: Auswirkungen auf Schülerzahlen und Kindertagesbetreuung im Bund und in den Ländern, Ausgabe 2009

5 Gender equality

Equality – Promoting equal opportunities in society

5.1.a Gender pay gap

1. Definition

The indicator shows the difference between the average gross hourly wages for women and men expressed as a percentage of the average gross hourly wage of men.

2. Data on the time series of the indicator

Specification	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	in % of men's earnings														
Gender pay gap 1.....	21	21	21	22	19	21	21	22	23	23	22	23	23	23	23

Specification	2010	2011	2012	2013	2014	2015
	in % of men's earnings					
Gender pay gap 1.....	22	22	22	22	22	21

3. Supplementary data

Specification	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Gender Pay Gap ² by Länder (unadjusted) in %									
Deutschland (Germany).....	23	23	23	23	22	22	22	22	22	21
Baden-Württemberg.....	28	28	28	27	27	27	27	27	26	26
Bayern (Bavaria).....	23	24	25	25	26	25	25	25	24	24
Berlin.....	14	14	16	15	14	13	13	11	10	11
Brandenburg.....	6	7	7	7	7	7	8	7	9	6
Bremen.....	25	27	27	24	24	24	26	25	25	24
Hamburg.....	20	22	22	23	23	23	25	25	25	24
Hessen (Hesse).....	23	24	24	24	25	24	24	22	24	23
Mecklenburg-Vorpommern (Mecklenburg-Western Pomerania).....	2	2	3	3	4	5	5	4	5	4
Niedersachsen (Lower Saxony).....	25	24	23	22	22	22	20	20	22	21
Nordrhein-Westfalen (North-Rhine/Westphalia).....	24	24	24	23	23	23	23	22	22	22
Rheinland-Pfalz (Rhineland-Palatinate).....	21	22	22	22	22	22	23	22	22	21
Saarland.....	24	26	26	25	25	25	25	25	24	25
Sachsen (Saxony).....	9	9	9	9	9	10	11	10	11	11
Sachsen-Anhalt (Saxony-Anhalt).....	3	3	3	3	4	5	6	7	8	6
Schleswig-Holstein.....	18	18	19	18	18	17	18	17	16	15
Thüringen (Thuringia).....	6	5	5	6	6	7	6	7	5	7

Specification	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Gender Pay Gap (adjusted) in %									
Germany.....	8	–	–	–	7	–	–	–	...	–
Former territory of the Federal Republic with Berlin.....	8	–	–	–	7	–	–	–	...	–
New Länder.....	12	–	–	–	9	–	–	–	...	–

Specification	2011			2012			2013			2014			2015		
	Women	Men	Share of women ³	Women	Men	Share of women ³	Women	Men	Share of women ³	Women	Men	Share of women ³	Women	Men	Share of women ³
	Euro		%	Euro		%	Euro		%	Euro		%	Euro		%
	Average gross monthly earnings of employees by selected economic sectors														
Health and social work.....	2,861	4,000	77.4	2,931	4,122	77.5	2,992	4,204	77.6	3,050	4,245	77.9	3,138	4,259	77.5
Clothing industry.....	2,412	3,864	74.7	2,410	3,727	75.3	2,537	3,849	73.6	2,695	3,931	71.5	2,713	3,995	72.2
Retail sales.....	2,242	2,828	71.1	2,323	3,050	70.0	2,323	2,956	70.2	2,366	2,994	71.1	2,486	3,006	69.6
Mechanical engineering.....	3,157	3,835	17.3	3,277	3,954	16.4	3,388	4,055	16.2	3,511	4,209	17.0	3,640	4,392	17.5
Vehicle manufacturing.....	3,512	4,153	13.8	3,566	4,277	14.9	3,734	4,414	14.8	3,887	4,555	14.7	3,962	4,673	15.5
Construction work.....	2,615	2,784	15.5	2,647	2,882	14.8	2,749	2,859	11.6	2,870	2,931	11.6	2,983	3,031	12.0

1 Because of changes to the applied methode made in 2006, the gender pay gap probably rose by one percentage point in each of these years.

2 Structure of Earnings Survey, updated with the results of the Quarterly Earning Survey.

3 Share of women in employed persons.

Source: Statistisches Bundesamt, Verdiensterhebung (Earnings survey)

4. Further information

in German: Claudia Finke: Verdienstunterschiede zwischen Männern und Frauen - eine Ursachenanalyse auf Grundlage der Verdienststrukturerhebung 2006, in: Statistisches Bundesamt, Wirtschaft und Statistik, 1/2011, S. 36 ff.

in German: Statistisches Bundesamt: Qualität der Arbeit, Wiesbaden 2010.

Walter Joachimiak: Female earnings - male earnings: how wide is the gap really?, STATmagazin from 19.03.2013, see under:

www.destatis.de/GenderPayGap

5 Gender equality

Equality – *Promoting equal opportunities in society*

5.1.b Women in management positions in business

1. Definition

The indicator shows the share of women on supervisory boards of listed and fully co-determined companies.

2. Data on the time series of the indicator

Specification	January 2015	September 2016
Women in management positions in business.....	Share of women in % 22.9	27.3

Source: Frauen in Aufsichtsräten e.V.

3. Supplementary data

Specification	2008	2009	2010	2011	2012	2013	2014	...	June 2016
	Share in %								
Women in management positions in DAX-30-companies.....	13.1	12.7	13.1	15.7	19.4	21.9	24.7		30.2
Men in management positions in DAX-30-companies.....	86.9	87.3	86.9	84.3	80.6	78.1	75.3		69.8
Women in management in DAX-30-companies.....	0.5	0.5	2.2	3.7	7.8	6.3	7.4		9.4
Men in management in DAX-30-companies.....	99.5	99.5	97.8	96.3	92.2	93.7	92.6		90.6

Source: Own calculations from the German Institute for Economic Research (DIW Berlin).

4. Further information

5 Gender equality

Equality – *Strengthening the economic participation of women globally*

5.1.c Vocational qualification of girls and women through German development cooperation

1. Definition

The indicator specifies the number of girls and women in developing and emerging countries who were reached by the vocational qualification programmes of German development cooperation.

2. Data on the time series of the indicator

Specification	2015
Vocational qualifications of girls and women.....	Number 354,841
memorandum item: Vocational qualification programmes.....	151

3. Ergänzende Daten

Specification	2015	
	Share of accessed girls and women at different levels in %	Share of programmes in %
Financial cooperation.....	50.7	28.0
Policy area level.....	29.9	8.7
Institutions level.....	14.1	12.0
Individual level.....	3.6	44.6
Other.....	1.7	6.7

Source: Federal Ministry for Economic Cooperation and Development
Centrum für Evaluation GmbH
Deutsche Gesellschaft für internationale Zusammenarbeit GmbH

4. Further information

6 Clean water and sanitation

Water quality – Reducing the pollution of water with substances

6.1.a Phosphorus in flowing waters

1. Definition

The indicator specifies the share of those monitoring points at which the benchmark values for phosphorus in flowing waters for a good ecological status in specific types of bodies of water are observed.

2. Data on the time series of the indicator

Specification	1990	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Phosphorus in flowing waters.....	Share of monitoring points at which the benchmark value ¹ for a good ecological status is observed, in %															
	17.5	28.3	28.6	26.6	30.9	31.8	30.4	33.5	30.6	32.9	33.3	31.9	37.5	35.4	35.9	34.8

3. Supplementary data

Specification	1990	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Share of monitoring points in %															
Monitoring points below the benchmark value.....	17.5	28.3	28.6	26.6	30.9	31.8	30.4	33.5	30.6	32.9	33.3	31.9	37.5	35.4	35.9	34.8
Monitoring points with average concentrations 2.....	17.5	46.1	45.6	50.5	48.0	44.8	51.0	50.2	55.5	56.1	50.2	59.4	50.2	54.3	58.5	55.9
Monitoring points were in the range of up to four times the benchmark value.....	35.7	24.2	24.0	21.6	18.4	21.1	16.6	13.8	11.4	9.3	14.1	6.8	10.0	8.2	3.6	6.9
Monitoring points with higher concentrations.....	29.4	1.4	1.8	1.4	2.7	2.2	2.0	2.5	2.4	1.7	2.4	2.0	2.4	2.1	2.0	2.4

¹ The benchmark value should match the good ecological status of the type of water body which is published in Annex 7 of the Ordinance on the Protection of Surface Waters.

The vast majority of flowing water uses the benchmark value of 0.1 mg/l of phosphorous. In organic substrate-dominated rivers, the benchmark value is 0.15 mg/l, for marshland streams 0.3 mg/l and for transitional waters influenced by tidal movement 0.045 mg/l.

² Extending up to double the benchmark value.

Source: German Environment Agency according to information from the German Working Group on water issues of the Länder and the Federal Government represented by the Federal Environment Ministry

4. Further information

in German: www.umweltbundesamt.de/fluesse/nutzung-belastungen

6 Clean water and sanitation

Water quality – Reducing the pollution of water with substances

6.1.b Nitrate in groundwater

1. Definition

The indicator shows the share of monitoring points at which the threshold value of 50 mg/l nitrate in the groundwater on average per year is adhered to.

2. Data on the time series of the indicator

Specification	2008	2009	2010	2011	2012	2013	2014 ¹
Class of nitrate ≤ 50 mg/l	Proportion of monitoring points as which the threshold ² is observed, in %						
	81.8	82.5	81.7	82.0	81.0	81.4	81.8

3. Supplementary data

Specification	2008	2009	2010	2011	2012	2013	2014
	Proportion of monitoring points by class of nitrate, in %						
Class of nitrate > 25 mg/l.....	36.7	36.2	36.1	35.5	35.3	35.9	36.1
Class of nitrate > 50 mg/l (threshold).....	18.2	17.5	18.3	18.0	19.0	18.6	18.2

¹ Excluding data for Berlin and Mecklenburg-Western Pomerania.

² Basis: EUA monitoring network: threshold 50 milligrams of nitrate per litre per year on average. This threshold value also applies to drinking water.

Source: German Environment Agency and Länder Initiative for a Set of Core Indicators (LIKI) based on data from the German Working Group on water issues of the Länder and the Federal Government represented by the Federal Environment Ministry

4. Further information

in German: www.umweltbundesamt.de/grundwasserbeschaffenheit

in German: www.umweltbundesamt.de/qualitaet-des-trinkwassers-aus-zentralen

6 Clean water and sanitation

Drinking water and sanitation – *Better access to drinking water and sanitation worldwide, higher (safer) quality*

6.2 Development cooperation for drinking water and sanitation

1. Definition

The indicator shows the number of people in the respective reporting year who received new or improved access to drinking water and sanitation as a result of German support.

2. Data on the time series of the indicator

Specification	2012	2013	2014	2015
	Persons reached in millions			
Access to drinking water and sanitation subsidised by Germany.....	10.6	11.6	31.0	11.0

3. Supplementary data

Specification	2012	2013	2014	2015
	Euro mn			
Financial volume.....	819.9	604.6	409.3	526.5

Source: Kreditanstalt für Wiederaufbau

4. Further information

7 Affordable and clean energy

Resource conservation – *Using resources economically and efficiently*

7.1.a Final energy productivity

7.1.b Primary energy consumption

1. Definition

The indicator "Final energy productivity" shows the trend of value added per unit of final energy used. The concept of "final energy" refers to the part of the energy that is used energetically in form of thermal or electric energy in the production sectors for the manufacturing of goods or by private households.

Primary energy consumption specifies how much energy was consumed by a country in the energy sectors for conversion purposes on the one hand, and by production activities, transport and private households on the other.

2. Data on the time series of the indicator

Specification	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	2008 = 100							
Final energy productivity.....	100	99.8	96.6	105.0	105.0	102.3	109.7	109.3
Primary energy consumption.....	100	94.1	98.9	94.6	93.5	96.1	91.7	92.4

3. Supplementary data

Specification	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	Petajoules							
Final energy consumption 2.....	9,159	8,665	9,310	8,881	8,919	9,179	8,699	8,877
Households.....	2,558	2,478	2,676	2,333	2,427	2,556	2,188	2,289
Business, trade, services.....	1,443	1,355	1,483	1,346	1,345	1,460	1,350	1,393
Industries.....	2,587	2,291	2,592	2,634	2,587	2,551	2,545	2,576
Transport.....	2,571	2,541	2,559	2,568	2,559	2,612	2,616	2,619
Domestic primary energy consumption 3.....	14,380	13,531	14,217	13,599	13,447	13,822	13,180	13,293
Primary energy consumption (residents concept).....	14,772	13,872	14,732	14,052	13,833	14,178	13,562	...
Homogeneous branches.....	10,912	10,056	10,716	10,352	10,058	10,273	10,020	...
Private households (residents consumption).....	3,860	3,816	4,016	3,700	3,775	3,905	3,542	...

¹ Preliminary results.

² Evaluation table (version: July 2016) on energy from Energy Balance Association in Berlin (AGEB).

³ Energy Balance Association in Berlin (AGEB), version July 2016.

Specification	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
memorandum item:	1990 = 100												
Primary energy productivity.....	100	104.5	108.6	107.7	111.3	112.5	109.8	112.8	115.8	119.7	122.6	122.3	124.5

Specification	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
memorandum item:	1990 = 100												
Primary energy productivity.....	122.1	123.6	124.8	127.0	137.0	136.7	137.2	135.9	147.2	149.6	146.3	155.9	157.2

¹ Preliminary results.

4. Further information

Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting, Part 2
www.destatis.de/TablesEEA

7 Affordable and clean energy
Renewable energies – *Strengthening a sustainable energy supply*

7.2.a Share of renewable energies in gross final energy consumption

7.2.b Share of renewable energy sources in electricity consumption

1. Definition

7.2.a The indicator expresses the generation of renewable energies relative to gross final energy consumption. Gross final energy consumption covers energy consumption by the end consumers and the losses arising during the generation and transportation of energy.

7.2.b The indicator reflects the share of electricity from renewable energy sources in gross electricity consumption.

2. Data on the time series of the indicator

Specification	1990	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	%												
Share of renewable energy sources in gross final energy consumption.....	2.0	3.7	7.2	8.1	9.7	9.1	10.1	10.9	11.8	12.8	13.1	13.6	14.9
Share of renewable energy sources in gross electricity consumption.....	3.4	6.2	10.2	11.6	14.2	15.1	16.3	17.0	20.3	23.5	25.1	27.3	31.6

3. Supplementary data

Specification	1990	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	Gigawatt-hours												
Supply of renewable energies.....	51,778	97,837	188,487	218,684	247,290	239,743	251,113	288,804	296,797	327,800	343,512	342,564	378,954
Electricity production renewable energies.....	18,933	36,036	62,503	71,638	88,321	93,247	94,912	104,429	123,075	142,469	151,311	161,394	187,341
Hydropower 2.....	17,426	21,732	19,638	20,008	21,170	20,443	19,031	20,953	17,671	22,091	22,998	19,587	18,976
Windpower.....	71	9,513	27,229	30,710	39,713	40,574	38,610	37,619	48,314	49,949	50,803	55,908	70,922
Windpower at sea.....	–	–	–	–	–	–	38	176	577	732	918	1,471	8,284
Biomass 3.....	1,435	4,731	14,354	18,700	24,363	27,792	30,631	33,924	36,895	43,292	45,502	48,274	50,289
Photovoltaic.....	1	60	1,282	2,220	3,075	4,420	6,583	11,729	19,599	26,380	31,010	36,056	38,737
Geothermal energy.....	–	–	0	0	0	18	19	28	19	25	80	98	133
Heat generation renewable energies.....	32,380	58,065	102,768	105,953	111,853	109,319	123,166	148,331	138,522	148,088	157,737	145,543	157,846
Solid biomass 4.....	30,573	53,604	93,296	94,567	96,492	91,999	101,500	122,823	110,011	116,599	123,476	108,231	117,703
Liquid biomass 5.....	–	8	709	1,275	1,872	2,645	2,991	2,857	2,124	2,015	2,007	2,189	2,049
Gaseous biomass 6.....	–	1,355	2,974	3,293	5,581	5,422	7,516	10,171	12,076	14,063	15,948	17,181	18,885
Solarthermal.....	130	1,290	3,030	3,550	3,940	4,490	5,276	5,628	6,465	6,696	6,767	7,287	7,806
Geothermal, environmental heat 7.....	1,677	1,808	2,759	3,268	3,968	4,763	5,883	6,852	7,846	8,715	9,539	10,655	11,403
Consumption of renewable energies in transport sector.....	465	3,736	23,216	41,093	47,116	37,177	33,035	36,044	35,200	37,243	34,464	35,627	33,767
Biodiesel 8.....	–	2,583	18,046	28,364	33,182	26,630	23,411	24,474	23,244	24,530	21,998	22,760	20,871
Vegetable oil.....	–	167	2,047	7,426	8,752	4,188	1,044	637	209	261	10	63	21
Bioethanol.....	–	–	1,780	3,828	3,439	4,673	6,669	8,711	9,090	9,208	8,891	9,061	8,648
Biomethane.....	–	–	–	–	–	4	15	162	190	404	557	580	530
Renewable energy consumption.....	465	986	1,343	1,475	1,743	1,682	1,896	2,060	2,467	2,840	3,008	3,163	3,697

Specification	1990	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	Share of renewable energy of total energy consumption in %												
Electricity production renewable energies.....	36.6	36.8	33.2	32.8	35.7	38.9	37.8	36.2	41.5	43.5	44.0	47.1	49.4
Heat consumption renewable energies.....	62.5	59.3	54.5	48.5	45.2	45.6	49.0	51.4	46.7	45.2	45.9	42.5	41.7
Consumption of renewable energies in transport sector.....	0.9	3.8	12.3	18.8	19.1	15.5	13.2	12.5	11.9	11.4	10.0	10.4	8.9
	%												
memorandum item:													
Share of primary energy consumption 9.....	1.3	2.9	5.3	6.3	7.9	8.0	8.9	9.9	10.8	10.3	10.8	11.5	12.5

1 Preliminary results, from February 2016.

2 In the case of pumped-storage power plants, electricity generated from natural inflow only.

3 Solid and liquid biomass, biogas, landfill and sewage gas, biogenic wastes (estimated share in waste incineration plant 50%).

4 Including biogenic share of waste; reduction in 2008 compared to previous year due to methodological changes; as of 2010 including sewage sludge; data on sector of business, trade and services is available as of 2013.

5 Including consumption of biodiesel in the agriculture.

6 Biogas including biomethane, sewage and landfill gas.

7 Including heat from deep geothermics and the renewable heat recovered by heat pumps (air/water, water/water, brine/water, process water and gas heat pumps)

8 Consumption of biodiesel in the transport sector.

9 Based on efficiency method.

Source: Bundesministerium für Wirtschaft und Energie (Hrsg.) [Federal Ministry for Economic Affairs and Energy (editor)]: Erneuerbare Energien in Zahlen - Nationale und internationale Entwicklung im Jahr 2015, Stand: August 2016
Arbeitsgruppe Erneuerbare Energien-Statistik (AGEE-Stat) [Working Group on Renewable Energies-Statistics]

4. Further information

in German: Informationsseite des Bundesministeriums für Umwelt, Naturschutz, Bau und Reaktorsicherheit über erneuerbare Energien
<http://www.erneuerbare-energien.de/>

in German: Themenseite des Bundesministeriums für Wirtschaft und Energie
<http://www.bmwi.de/DE/Themen/energie.html>

8 Decent work and economic growth

Resource conservation – *Using resources economically and efficiently*

8.1 Raw material input productivity

1. Definition

The indicator for raw material input productivity compares the value of all goods submitted for final use (in EUR, price-adjusted) relative to the mass of the raw materials used domestically and abroad for their production (in tonnes). Final use covers all three, domestic consumption and domestic investment as well as exports.

The denominator of the indicator takes into account abiotic and biotic raw materials from the environment as well as plant materials produced by farming and forestry.

2. Data on the time series of the indicator

Specification	2000	...	2008	2009	2010	2011
	2000 = 100					
Value of final use (price-adjusted) relative to raw material extraction and imports in raw material equivalents.....	100		115.4	122.1	116.8	119.6
Raw material extraction and imports in raw material equivalents	100		104.0	92.5	102.8	105.0
Value of final use (price-adjusted) 1.....	100		120.0	112.9	120.1	125.5

1 Equivalent to price-adjusted gross domestic product plus the value of imports.

4. Further information

in German: Kaumanns, S. und Lauber, U.: Rohstoffe für Deutschland. Bedarfsanalyse für Konsum, Investitionen und Export auf Makro- und Mesoebene, Umweltbundesamt Texte 62/2016
www.umweltbundesamt.de/rohstoffe_fur_deutschland.pdf

8 Decent work and economic growth

Government debt – Consolidating public finances – Creating intergenerational equity

8.2.a Government deficit

8.2.b Structural deficit

1. Definition

The indicators show the governmental funding balance (deficit or surplus) and the structural funding balance in relation to gross domestic product (GDP) at current prices.

The governmental funding balance is calculated from revenue minus government expenditure. The annual structural balance refers to the part of the funding balance that cannot be attributed to cyclical fluctuations and temporary effects.

2. Data on the time series of the indicator

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Share of gross domestic product (at current prices) in %													
General government deficit 1.....	3.2	2.9	1.5	3.4	1.7	-0.2	0.2	3.2	4.2	1.0	0.0	0.2	-0.3	-0.7
Structural deficit.....	–	–	–	2.1	1.6	0.8	0.8	0.9	2.2	1.4	0.1	-0.1	-0.8	-0.9
	Year-on-Year changes in %													
Economic growth.....	–	1.7	3.0	0.7	3.7	3.3	1.1	-5.6	4.1	3.7	0.5	0.5	1.6	1.7

3. Supplementary data ²

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Euro bn													
Funding balance, adjusted 3.....	-50.0	-55.8	-32.6	-78.6	-41.2	4.7	-4.5	-79.6	-108.9	-25.9	-0.9	-5.4	8.6	20.9
Central government.....	-48.7	-141.6	28.1	-48.0	-34.7	-16.9	-16.1	-40.5	-84.1	-29.4	-16.1	-8.1	8.6	10.0
Länder.....	-10.1	-24.2	-8.8	-23.0	-11.5	2.8	-1.5	-19.5	-20.6	-11.4	-5.5	-2.7	-0.5	4.6
Municipalities.....	-2.1	-5.4	0.2	-2.5	0.7	8.5	6.7	-5.1	-8.1	-0.3	2.2	0.2	-2.5	4.2
Social security funds.....	10.9	-7.8	-1.3	-5.1	4.3	10.2	6.4	-14.4	3.8	15.3	18.4	5.3	3.0	2.1
Gross domestic product 4.....	1,579.8	1,898.9	2,116.5	2,300.9	2,393.3	2,513.2	2,561.7	2,460.3	2,580.1	2,703.1	2,758.3	2,826.2	2,923.9	3,032.8
Revenue.....	682.3	858.9	965.3	984.4	1,028.5	1,080.8	1,111.7	1,090.9	1,110.3	1,182.7	1,220.4	1,258.0	1,306.3	1,356.5
including:														
Rates.....	605.6	761.8	872.4	878.7	920.5	967.3	993.6	965.8	978.0	1,036.8	1,074.9	1,111.0	1,150.6	1,200.7
Taxes.....	347.4	418.3	490.1	479.0	516.3	563.0	581.1	550.2	551.8	594.5	620.5	645.9	668.6	700.0
Social contributions.....	258.3	343.5	382.3	399.7	404.2	404.3	412.4	415.6	426.2	442.3	454.3	465.0	482.0	500.8

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Euro bn													
Expenditure.....	732.3	1,037.9	947.1	1,063.0	1,069.7	1,076.1	1,116.2	1,170.5	1,219.2	1,208.6	1,221.8	1,263.7	1,298.2	1,333.9
including:														
Intermediate consumption.....	63.6	70.8	76.5	88.7	92.3	96.0	103.3	111.7	118.0	124.1	126.5	133.1	134.3	139.5
Compensation of employees.....	135.9	164.6	174.0	182.2	183.2	184.2	189.1	197.8	203.5	208.6	212.3	217.9	224.1	228.6
Social benefits other than social transfer in kind.....	235.5	326.2	368.9	412.3	408.9	401.9	405.0	426.4	430.1	424.1	430.3	439.6	452.5	471.0
Social benefits in kind.....	100.6	137.9	154.8	169.5	173.7	180.1	187.4	198.4	204.4	209.8	215.3	226.9	240.0	252.4
Gross capital formation.....	49.6	49.4	48.5	44.0	47.7	48.1	52.6	58.3	59.4	61.4	61.5	60.7	60.9	64.3
Funding balance.....	-50.0	-179.0	18.2	-78.6	-41.2	4.7	-4.5	-79.6	-108.9	-25.9	-1.4	-5.7	8.1	22.6
	in % of gross domestic product													
Revenue.....	43.2	45.2	45.6	42.8	43.0	43.0	43.4	44.3	43.0	43.8	44.2	44.5	44.7	44.7
including:														
Rates.....	38.3	40.1	41.2	38.2	38.5	38.5	38.8	39.3	37.9	38.4	39.0	39.3	39.4	39.6
Taxes.....	22.0	22.0	23.2	20.8	21.6	22.4	22.7	22.4	21.4	22.0	22.5	22.9	22.9	23.1
Social contributions.....	16.3	18.1	18.1	17.4	16.9	16.1	16.1	16.9	16.5	16.4	16.5	16.5	16.5	16.5
Expenditure.....	46.4	54.7	44.7	46.2	44.7	42.8	43.6	47.6	47.3	44.7	44.3	44.7	44.4	44.0
including:														
Intermediate consumption.....	4.0	3.7	3.6	3.9	3.9	3.8	4.0	4.5	4.6	4.6	4.6	4.7	4.6	4.6
Compensation of employees.....	8.6	8.7	8.2	7.9	7.7	7.3	7.4	8.0	7.9	7.7	7.7	7.7	7.7	7.5
Social benefits other than social transfer in kind.....	14.9	17.2	17.4	17.9	17.1	16.0	15.8	17.3	16.7	15.7	15.6	15.6	15.5	15.5
Social benefits in kind.....	6.4	7.3	7.3	7.4	7.3	7.2	7.3	8.1	7.9	7.8	7.8	8.0	8.2	8.3
Gross capital formation.....	3.1	2.6	2.3	1.9	2.0	1.9	2.1	2.4	2.3	2.3	2.2	2.1	2.1	2.1

1 The government deficit is mathematically presented by a positive value as a "negative deficit" does not make sense. A surplus (and hence a positive balance) is therefore represented by a minus.

2 Compared to the unadjusted funding balance. Differentiated according to the ESA95.

3 1995: excluding acquisition of debts from the former "Treuhand", 2000: excluding revenues from the sale of UMTS licenses at auction; deficit nit-adjusted: 1995: -179.0 Euro bn; 2000: 18.2 Euro bn.

4 At current prices.

Source: Statistisches Bundesamt, Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4
Bundesministerium der Finanzen [Federal Ministry of Finance] (to structural deficit: Herbstprojektion der Bundesregierung, version: September 2016, not published)

4. Further information

in German: Statistisches Bundesamt, Volkswirtschaftliche Gesamtrechnungen, Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4

8 Decent work and economic growth

Government debt – *Consolidating public finances – Creating intergenerational equity*

8.2.c Government debt

1. Definition

The indicator shows the national debt as defined by the Maastricht Treaty as a ratio to gross domestic product (GDP) at current prices. The indicator therefore serves as a measure of government debt.

2. Data on the time series of the indicator

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Share of gross domestic product at current prices, in %													
Public debt.....	39.2	54.8	58.9	67.0	66.5	63.7	65.1	72.6	81.0	78.7	79.9	77.5	74.9	71.2
	Euro mn													
Government debt (Maastricht) 1	619,858	1,040,967	1,245,785	1,541,352	1,591,264	1,599,818	1,668,808	1,785,468	2,088,726	2,128,123	2,204,507	2,189,153	2,188,671	2,157,880
Gross domestic product (at current prices) 2	1,579,800	1,898,880	2,116,480	2,300,860	2,393,250	2,513,230	2,561,740	2,460,280	2,580,060	2,703,120	2,758,260	2,826,240	2,923,930	3,032,820

3. Supplementary data

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Euro mn													
General government (consolidated).....	619,858	1,040,967	1,245,785	1,541,352	1,591,264	1,599,818	1,668,808	1,785,468	2,088,726	2,128,123	2,204,507	2,189,153	2,188,671	2,157,880
Central government.....	–	–	786,782	928,761	966,671	973,446	1,006,285	1,073,052	1,322,138	1,332,611	1,376,371	1,379,975	1,383,493	1,358,904
Länder.....	–	–	349,034	483,367	494,882	498,610	534,701	578,372	625,269	653,838	682,430	661,201	654,396	648,357
Municipalities.....	–	–	108,543	126,985	128,775	127,093	127,621	133,251	142,606	143,085	147,196	150,562	151,453	151,875
Social security funds.....	–	–	1,426	2,239	936	669	202	793	-1,286	-1,412	-1,490	-2,585	-671	-1,257
Total (unconsolidated).....	–	–	1,263,016	1,557,257	1,604,933	1,614,089	1,679,959	1,797,872	2,107,972	2,145,782	2,222,292	2,206,513	2,206,613	2,178,793
	Thousand													
Population 3.....	79,973	81,308	81,457	81,337	81,173	80,992	80,764	80,483	80,284	80,275	80,426	80,646	80,983	81,681
	1,000 euro													
Debt per capita.....	7,751	12,803	15,294	18,950	19,603	19,753	20,663	22,184	26,017	26,510	27,410	27,145	27,026	26,418

1 Deutsche Bundesbank (Wirtschaftsdaten; Schuldenstand (Maastricht-Abgrenzung), Stand 04.10.2016)

2 Statistisches Bundesamt, National Accounts: Fachserie 18 Inlandsproduktsberechnung, Reihe 1.4, Detaillierte Jahresergebnisse 2015.

3 Average population based on the census of 2011 (result of reporting date on 9th of May 2011: 80,219,695 inhabitants).

4. Further information

8 Decent work and economic growth

Provision for future economic stability – *Creating favourable investment conditions – Securing long-term prosperity*

8.3 Gross fixed capital formation in relation to GDP

1. Definition

The indicator shows the share of gross fixed capital formation relative to nominal gross domestic product (which means at current prices). This share is also referred to as the investment ratio.

2. Data on the time series of the indicator

Specification	1991	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹	2015 ¹
	Share of gross domestic product at current prices in %												
Gross fixed capital formation.....	24.9	23.0	19.1	19.8	20.1	20.3	19.2	19.4	20.3	20.1	19.7	20.0	19.9
	Euro bn												
Gross fixed capital formation (nominal)	392.7	486.5	438.8	474.4	505.6	520.8	471.4	501.4	547.8	554.7	557.1	585.1	603.8
Gross domestic product (GDP, nominal)	1,579.8	2,116.5	2,300.9	2,393.3	2,513.2	2,561.7	2,460.3	2,580.1	2,703.1	2,758.3	2,826.2	2,923.9	3,032.8

3. Supplementary data

Specification	1991	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹	2015 ¹
	Gross fixed capital formation by product at current prices in Euro bn												
Gross fixed capital formation	392.7	486.5	438.8	474.4	505.6	520.8	471.4	501.4	547.8	554.7	557.1	585.1	603.8
Machinery and equipment	155.2	178.6	165.2	182.8	198.5	202.8	158.2	175.9	188.3	183.8	180.5	191.5	200.2
Machinery	119.4	135.1	116.4	126.5	137.7	143.6	114.3	119.0	131.7	132.5	129.7	135.6	144.4
Transport equipment	35.7	43.5	48.8	56.3	60.9	59.2	43.9	56.9	56.6	51.3	50.8	55.9	55.8
Construction	192.1	240.9	199.7	213.7	225.5	231.7	226.8	237.1	264.2	273.0	277.2	288.7	295.0
Dwellings	95.7	140.5	114.7	124.2	129.2	129.0	126.1	133.3	150.7	160.2	163.6	172.4	178.2
Other buildings and structures	96.3	100.4	85.0	89.5	96.3	102.8	100.7	103.9	113.5	112.8	113.5	116.3	116.8
Building construction	61.7	64.3	53.1	56.5	62.2	67.7	66.2	68.4	75.5	75.3	75.8	77.1	77.4
Civil engineering	34.6	36.1	32.0	33.0	34.1	35.0	34.6	35.4	38.0	37.5	37.7	39.2	39.4
Other products 2	45.5	67.1	73.9	77.8	81.5	86.2	86.5	88.4	95.3	97.9	99.5	105.0	108.6
Research and development	33.2	45.0	50.4	53.2	56.0	59.4	60.4	61.9	65.7	70.3	70.0	74.6	77.8
Computer software and databases	9.7	17.2	18.6	19.7	20.5	21.5	20.8	21.2	24.4	22.3	24.0	24.8	25.2
	Gross fixed capital formation by industry - new attachment at current prices - in Euro bn												
Agriculture and forestry, fishing	6.6	6.5	7.3	8.8	9.4	10.7	7.8	8.1	8.9	9.3	9.5	9.5	9.5
Industry	123.4	120.0	109.2	116.5	127.2	134.7	118.8	121.5	133.4	138.9	136.6	145.7	150.5
Services	269.6	370.2	335.2	363.7	384.2	391.9	360.4	387.3	422.2	423.1	427.9	448.5	463.8
Real estate activities	103.0	150.9	122.8	135.5	142.8	142.0	137.3	145.9	168.9	177.5	180.2	186.6	192.2
Business services	37.2	66.4	66.9	70.9	77.6	79.6	62.6	65.4	69.1	64.7	66.1	72.5	76.6
Public administration and defence; Compulsory social security	24.0	27.2	25.4	27.8	27.2	28.8	31.5	31.5	33.0	33.8	32.7	31.9	33.9
Total	399.6	496.7	451.7	489.0	520.7	537.3	487.1	516.9	564.5	571.3	574.0	603.7	623.8

Specification	1991	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹	2015 ¹
	in % of total												
Agriculture and forestry, fishing	1.7	1.3	1.6	1.8	1.8	2.0	1.6	1.6	1.6	1.6	1.7	1.6	1.5
Industry	30.9	24.2	24.2	23.8	24.4	25.1	24.4	23.5	23.6	24.3	23.8	24.1	24.1
Services	67.5	74.5	74.2	74.4	73.8	72.9	74.0	74.9	74.8	74.1	74.5	74.3	74.4
Real estate activities	25.8	30.4	27.2	27.7	27.4	26.4	28.2	28.2	29.9	31.1	31.4	30.9	30.8
Business services	9.3	13.4	14.8	14.5	14.9	14.8	12.8	12.7	12.2	11.3	11.5	12.0	12.3
Public administration and defence; Compulsory social security	6.0	5.5	5.6	5.7	5.2	5.4	6.5	6.1	5.8	5.9	5.7	5.3	5.4
Total	100	100	100	100	100	100	100	100	100	100	100	100	100
	Net stock at current replacement prices in Euro bn												
Total assets	4,957.5	6,782.9	7,219.8	7,422.2	7,863.8	8,171.5	8,287.3	8,429.2	8,724.8	9,010.6	9,268.2	9,518.7	...

1 Preliminary results, September 2016.

2 Intellectual property products and cultivated assets.

Source: Statistisches Bundesamt, Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.1 und Reihe 1.4.

4. Further information

in German: Statistisches Bundesamt, Volkswirtschaftliche Gesamtrechnungen, Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4

8 Decent work and economic growth

Economic output – *Combining larger economic output with environmental and social responsibility*

8.4 Gross domestic product per capita

1. Definition

The indicator shows the price-adjusted gross domestic product per inhabitant in Germany.

Gross domestic product (GDP) measures the value of all goods and services produced in the domestic economy; inhabitants are all those people whose permanent residence is in Germany.

2. Data on the time series of the indicator

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹	2015 ¹
GDP (price-adjusted) per capita (Euro).....	25,490	26,382	28,956	29,833	31,000	32,082	32,521	30,801	32,137	33,317	33,418	33,490	33,882	34,171
GDP (price-adjusted, reference year = 2010) (Euro bn)....	2,038.5	2,145.1	2,358.7	2,426.5	2,516.3	2,598.4	2,626.5	2,478.9	2,580.1	2,674.5	2,687.6	2,700.8	2,743.9	2,791.1
Inhabitants (1,000).....	79,973	81,308	81,457	81,337	81,173	80,992	80,764	80,483	80,284	80,275	80,426	80,646	80,983	81,681

3. Supplementary data

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹	2015 ¹
	1991 = 100													
GDP (price-adjusted).....	100	105.2	115.7	119.0	123.4	127.5	128.8	121.6	126.6	131.2	131.8	132.5	134.6	136.9
Inhabitants.....	100	101.7	101.9	101.7	101.5	101.3	101.0	100.6	100.4	100.4	100.6	100.8	101.3	102.1
GDP (price-adjusted) per capita.....	100	103.5	113.6	117.0	121.6	125.9	127.6	120.8	126.1	130.7	131.1	131.4	132.9	134.1
	Gross value added by industry (price-adjusted, chain volume index 2010 = 100)													
Agriculture and forestry, fishing	150.0	97.1	103.1	96.5	90.7	113.8	136.7	132.2	100	89.7	88.9	92.5	80.9	78.3
Industry	92.5	88.5	92.7	93.6	98.4	102.3	101.1	87.4	100	105.2	104.8	104.1	108.8	110.2
Manufacturing	87.3	80.5	89.3	94.3	102.2	106.7	104.5	84.5	100	108.5	106.1	106.2	112.1	113.6
Services	70.1	78.2	89.1	93.9	97.0	100.4	102.4	99.4	100	103.0	104.1	105.1	105.5	107.3
Public and private service provider	75.2	82.9	90.0	92.6	93.0	94.0	96.6	98.2	100	101.6	102.3	102.4	103.1	105.2
	Gross value added by industry (price-adjusted, reference year = 2010, Euro bn)													
Agriculture and forestry, fishing	23.7	15.3	16.3	15.8	14.3	18.0	21.6	20.9	15.8	14.2	14.0	14.6	12.8	12.4
Industry	566.4	541.6	567.1	612.1	602.3	626.2	618.9	534.8	612.1	643.9	641.4	637.1	665.8	674.5
Manufacturing	408.1	376.4	417.4	467.4	477.9	498.8	488.6	394.7	467.4	507.2	495.9	496.6	524.0	530.8
Services	1,019.8	1,137.2	1,295.0	1,454.2	1,410.0	1,460.2	1,489.5	1,445.8	1,454.2	1,497.8	1,513.2	1,528.2	1,534.3	1,560.4
Public and private service provider	270.9	298.8	324.2	360.3	335.0	338.7	348.1	353.9	360.3	366.1	368.6	368.9	371.3	378.9

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹	2015 ¹
	Gross domestic product (price-adjusted, chained) per capita (2010 = 100)													
Former territory of the Federal Republic with Berlin.....	–	–	92.3	93.8	97.3	100.5	101.7	95.9	100	103.7	103.7	103.5	92.1	...
New Länder without Berlin.....	–	–	84.1	90.7	94.5	98.0	99.3	96.3	100	102.5	103.5	103.7	54.7	...
Germany.....	–	–	91.0	93.3	96.8	100.1	101.4	95.9	100	103.6	103.8	103.7	86.8	...
	Gross domestic product at current prices per capita in Euro													
Former territory of the Federal Republic with Berlin.....	–	–	27,551	29,592	30,776	32,333	32,970	31,689	33,261	34,847	35,396	36,035	37,912	39,086
New Länder without Berlin.....	–	–	16,697	18,948	19,890	20,987	21,547	21,063	22,166	23,102	23,680	24,324	25,551	26,453
Germany.....	–	–	25,716	27,864	29,019	30,513	31,150	30,005	31,511	33,005	33,569	34,219	36,003	37,099

¹ Version: April 2016.

Source: Statistisches Bundesamt, Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4 (September 2015) und Reihe 1.2 (Volkswirtschaftliche Gesamtrechnungen der Länder - Ergebnisse (R1B1) von November 2014/ Februar 2015
Volkswirtschaftliche Gesamtrechnungen der Länder - Ergebnisse (R1B1) von August 2015/ Februar 2016

4. Further information

in German: Statistisches Bundesamt, Volkswirtschaftliche Gesamtrechnungen, Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4 und Reihe 1.2 (Vierteljahresergebnisse).

in German: Statistische Ämter der Länder, Volkswirtschaftliche Gesamtrechnungen der Länder (AK VGRdL):

Reihe 1: Länderergebnisse; Band 1: Bruttoinlandsprodukt und Bruttowertschöpfung in den Ländern der Bundesrepublik Deutschland 1991 bis 2012, erschienen: März 2013.

8 Decent work and economic growth

Employment – *Boosting employment levels*

8.5.a, b Employment rate

8.5.a: Employment rate, total (20 - 64 years)

8.5.b: Employment rate, older age group (60 - 64 years)

1. Definition

The indicators specify the proportions of people in work aged between 20 and 64 years (8.5.a) and aged between 60 and 64 years (8.5.b), measured in each case as share of the total population of the same age group.

2. Data on the time series of the indicator

Age ... to ...	from Specification	2000	2001	2002	2003	2004	2005 ¹	2006	2007	2008	2009	2010	2011 ²	2012	2013	2014	2015
Employment rate in %																	
20 - 64 years	Total.....	68.7	69.1	68.8	68.4	67.9	69.4	71.1	72.9	74.0	74.2	75.0	76.5	76.9	77.3	77.7	78.0
	of which: Women.....	60.7	61.6	61.8	62.0	61.8	63.1	65.0	66.7	67.8	68.7	69.7	71.3	71.6	72.5	73.1	73.6
	Men.....	76.5	76.4	75.6	74.8	74.0	75.6	77.2	79.1	80.1	79.6	80.4	81.7	82.1	82.1	82.2	82.3
60 - 64 years	Total.....	19.6	20.8	22.2	23.5	25.3	28.2	29.7	32.9	35.1	38.6	41.1	44.3	46.6	50.0	52.6	53.3
	of which: Women.....	12.1	13.4	14.5	15.9	17.6	20.7	21.9	24.9	27.2	30.4	33.1	36.5	38.8	42.8	46.2	47.9
	Men.....	27.2	28.4	30.2	31.2	33.2	35.9	37.7	41.2	43.2	47.0	49.4	52.4	54.9	57.7	59.4	59.1
memorandum item:																	
15 - 64 years	Total.....	65.3	65.7	65.4	64.9	64.3	65.5	67.2	69.0	70.1	70.3	71.1	72.7	73.0	73.5	73.8	74.0
	of which: Women.....	57.8	58.7	58.8	58.9	58.5	59.6	61.5	63.2	64.3	65.2	66.1	67.8	68.1	69.0	69.5	69.9
	Men.....	72.7	72.6	71.8	70.9	70.0	71.3	72.8	74.7	75.8	75.4	76.0	77.6	77.9	78.0	78.1	78.0
55 - 64 years	Total.....	37.4	37.7	38.4	39.4	41.4	45.5	48.1	51.3	53.7	56.1	57.7	60.0	61.6	63.6	65.6	66.2
	of which: Women.....	28.7	29.3	29.8	31.2	33.1	37.6	40.3	43.4	46.0	48.6	50.5	53.2	54.9	57.6	60.0	61.2
	Men.....	46.2	46.1	47.1	47.7	49.8	53.6	56.1	59.4	61.7	63.8	65.0	67.1	68.6	69.9	71.4	71.3

3. Supplementary data

Age ... to ...	from Specification	2000	2001	2002	2003	2004	2005 ¹	2006	2007	2008	2009	2010 ²	2011	2012	2013	2014	2015
Employment rate in %																	
20 - 24 years	Total.....	64.8	65.2	63.2	61.5	57.8	58.8	60.9	62.8	64.0	62.8	63.3	65.2	64.2	64.4	63.9	63.6
	of which: Women.....	63.0	63.0	62.0	61.1	57.2	57.5	59.2	60.8	62.1	61.8	61.8	63.4	62.3	62.9	62.7	62.5
	Men.....	66.7	67.3	64.5	61.9	58.5	60.1	62.5	64.8	65.9	63.8	64.7	67.0	66.0	65.8	65.1	64.7
25 - 59 years	Total.....	76.2	76.7	76.6	76.0	75.3	75.7	77.0	78.5	79.3	79.4	80.2	81.7	82.2	82.4	82.6	82.8
	of which: Women.....	67.7	68.8	69.3	69.2	68.9	69.1	70.6	72.0	72.9	73.7	74.8	76.5	77.0	77.6	77.9	78.3
	Men.....	84.5	84.4	83.7	82.6	81.5	82.3	83.2	84.9	85.7	84.9	85.6	86.9	87.4	87.2	87.2	87.2

Specification	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Working population in 1,000															
Total.....	34,626	34,836	34,610	34,303	33,865	34,614	35,371	36,068	36,583	36,585	36,232	36,955	37,290	37,584	37,873	38,148
of which: Women.....	15,208	15,425	15,444	15,442	15,284	15,673	16,074	16,426	16,694	16,872	16,832	17,219	17,353	17,581	17,754	17,911
Men.....	19,417	19,411	19,166	18,861	18,581	18,940	19,297	19,642	19,889	19,713	19,399	19,736	19,937	20,003	20,119	20,237
Total full-time employment.....	27,934	27,821	27,499	26,940	26,365	26,407	26,364	26,850	27,362	27,270	26,908	27,368	27,647	27,555	27,798	27,907
of which: Women.....	9,351	9,286	9,270	9,068	8,851	8,742	8,656	8,815	9,049	9,191	9,110	9,317	9,424	9,306	9,460	9,488
Men.....	18,583	18,535	18,229	17,872	17,515	17,665	17,708	18,035	18,313	18,079	17,798	18,050	18,222	18,249	18,338	18,419
Total part-time employment.....	6,692	7,015	7,111	7,363	7,500	8,206	9,007	9,217	9,221	9,315	9,324	9,587	9,644	10,028	10,075	10,241
of which: Women.....	5,857	6,139	6,175	6,374	6,433	6,931	7,418	7,611	7,646	7,682	7,722	7,902	7,929	8,274	8,293	8,423
Men.....	835	876	937	989	1,067	1,275	1,589	1,607	1,576	1,634	1,601	1,685	1,715	1,754	1,782	1,817

1 As 2005 yearly average and different data collection and projection method.

2 As of 2011: change in recording of employment status; projection using the current population estimation based on the census of 2011. Limited comparability to results of prior years.

Source: Federal Statistical Office, Eurostat: Labour force survey

4. Further information

8 Decent work and economic growth

Global supply chains – *Enabling decent work worldwide*

8.6 Number of members of the Textile Partnership

1. Definition

The indicator shows the number of members of the Partnership for Sustainable Textiles (Textile Partnership), who demonstrably adhere to and report on the social and ecological partnership standards throughout their supply chain.

2. Data on the time series of the indicator

Specification	04/2014	01/2015	02/2015	03/2015	04/2015	01/2016	02/2016	03/2016	04/2016
Members of the Partnership for Sustainable Textiles.....	Number								
	59	68	132	157	172	180	183	187	188

3. Supplementary data

Specification	04/2014	01/2015	02/2015	03/2015	04/2015	01/2016	02/2016	03/2016	04/2016
Enterprises of the Partnership for Sustainable Textiles.....	Number								
	22	29	84	103	115	121	124	127	127
Retail sales 1.....	Euro mn								
	53	–	–	–	–	–	–	160	...

1 Sales in the area of clothing, textiles (excluding carpets) as well as curtains and drapes. - Data for 2016 version July 2016.

Source: Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH

4. Further information

9 Industry, Innovation und Infrastructure
Innovation – *Shaping the future with new solutions*

9.1 Private and public spending on research and development

1. Definition

The indicator shows the expenditure on research and development by the private sector, the Federal Government and institutions of higher education in relation to gross domestic product.

2. Data on the time series of the indicator

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹
	Expenditure in % of gross domestic product												
Private and public spending on research and development.....	2.40	2.13	2.40	2.43	2.46	2.45	2.60	2.73	2.71	2.80	2.87	2.83	2.88

3. Supplementary data

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹
	Expenditure in % of gross domestic product												
Private and public spending on research and development.....													
Japan.....	2.89	2.87	3.00	3.31	3.41	3.46	3.47	3.36	3.25	3.38	3.34	3.47	3.58
USA.....	2.72	2.50	2.62	2.51	2.55	2.63	2.77	2.82	2.74	2.76	2.70	2.74	...
EU 28 2.....	–	1.65	1.68	1.67	1.69	1.70	1.77	1.84	1.84	1.88	1.92	1.93	1.94
	Euro mn												
Spending on research and Development by sectors.....	37,848	40,454	50,825	55,879	58,967	61,502	66,594	67,078	70,014	75,569	79,111	79,729	84,454
Government and private non-profit sector.....	5,457	6,266	6,873	7,867	8,156	8,540	9,346	9,932	10,354	10,974	11,341	11,862	12,527
Higher education sector.....	6,145	7,371	8,352	9,361	9,663	9,927	11,175	11,871	12,731	13,518	13,980	14,302	14,930
Business sector.....	26,246	26,817	35,600	38,651	41,148	43,034	46,073	45,275	46,929	51,077	53,790	53,566	56,996
	%												
Spending on research and Development by sectors.....	100	100	100	100	100	100	100	100	100	100	100	100	100
Government and private non-profit sector.....	14.4	15.5	13.5	14.1	13.8	13.9	14.0	14.8	14.8	14.5	14.3	14.9	14.8
Higher education sector.....	16.2	18.2	16.4	16.8	16.4	16.1	16.8	17.7	18.2	17.9	17.7	17.9	17.7
Business sector.....	69.3	66.3	70.0	69.2	69.8	70.0	69.2	67.5	67.0	67.6	68.0	67.2	67.5

Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹
	Full-time equivalents ³												
Spending on research and Development by sectors.....	–	459,138	484,734	475,279	487,935	506,450	522,687	534,565	548,723	575,100	591,260	588,615	605,253
Government and private non-profit sector.....	–	75,148	71,454	76,254	78,357	80,644	83,066	86,633	90,531	93,663	95,882	98,161	101,005
Higher education sector.....	–	100,674	100,790	94,522	97,433	103,953	106,712	115,441	120,981	124,308	127,900	130,079	132,542
Business sector.....	–	283,316	312,490	304,503	312,145	321,853	332,909	332,491	337,211	357,129	367,478	360,375	371,706

1 Some values estimated.

2 Estimation by Eurostat.

3 Including only parts those parts of working hours that are performed in research and development activities, added up to full-time working equivalents.

Source: OECD: Main Science and Technology Indicators (stats.oecd.org)

Statistisches Bundesamt, Fachserie 14, Reihe 3.6

Wissenschaftsstatistik GmbH im Stifterverband für die Deutsche Wissenschaft: FuE- Facts 1/2014

4. Further information

in German: Wissenschaftsstatistik GmbH im Stifterverband für die Deutsche Wissenschaft: Zahlenwerk 2015.

in German: Bundesministerium für Bildung und Forschung: Bundesbericht Forschung und Innovation 2014

10 Reduced inequalities

Equal educational opportunities – *Educational success of foreigners in German schools*

10.1 Foreign school graduates

1. Definition

The indicator shows the proportion of foreign school graduates as a percentage of all foreign school leavers within one school year. In this case, the term "graduates" refers to people who leave general education schools with at least a *Hauptschulabschluss*.

2. Data on the time series of the indicator

Specification	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	%																
Share of foreign school graduates.....	80.3	80.1	79.8	80.6	80.9	81.9	82.6	83.2	84.0	85.0	86.2	87.2	88.2	88.6	89.3	88.1	88.2
Foreign female graduates.....	–	–	–	84.4	84.6	85.8	86.4	86.5	87.0	87.9	88.5	89.5	90.3	90.6	91.1	89.4	90.3
Foreign male graduates.....	–	–	–	76.9	77.4	78.3	79.1	80.2	81.2	82.3	83.9	85.0	86.2	86.7	87.6	86.8	86.2
Share of German school graduates.....	92.3	91.7	91.3	91.8	92.1	92.6	92.8	93.0	93.6	93.8	94.2	94.6	95.0	95.1	95.4	95.1	95.0
3. Supplementary data																	

Specification	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	%																
Share of foreign school graduates.....	80.3	80.1	79.8	80.6	80.9	81.9	82.6	83.2	84.0	85.0	86.2	87.2	88.2	88.6	89.3	88.1	88.2
of which:																	
Foreign school graduates																	
with a Hauptschulabschluss.....	43.6	40.2	39.6	40.9	41.6	40.9	41.4	41.7	41.7	40.2	38.9	37.6	35.6	33.1	31.0	30.3	32.7
with an intermediate secondary school leaving certificate	27.5	28.9	28.9	28.8	29.1	30.8	31.2	30.8	31.3	32.6	34.4	35.6	35.9	37.7	41.9	42.4	49.8
with entrance qualification for general or applied sciences universities.....	9.2	11.0	11.4	10.9	10.2	10.2	10.1	10.8	11.0	12.3	12.9	14.0	16.7	17.8	16.4	15.4	17.5
Share of German school graduates.....	92.3	91.7	91.3	91.8	92.1	92.6	92.8	93.0	93.6	93.8	94.2	94.6	95.0	95.1	95.4	95.1	95.0
of which:																	
German citizens																	
with a Hauptschulabschluss.....	24.9	23.7	24.2	24.1	24.5	23.5	23.2	22.8	21.9	20.8	19.7	19.0	17.4	16.6	15.5	15.9	16.1
with an intermediate secondary school leaving certificate	40.6	40.9	41.7	41.3	41.6	43.7	42.6	42.1	41.6	41.0	41.1	41.1	38.7	39.8	42.2	44.4	46.0
with entrance qualification for general or applied sciences universities.....	26.7	27.0	25.5	26.4	26.0	25.4	27.0	28.2	30.0	32.1	33.5	34.5	38.8	38.6	37.7	34.9	37.9

Data for 2015

Specification	School graduates			of which					
				German			Foreign		
	Total	female	male	together	female	male	together	female	male
	Number								
Schools of general education.....	846,423	414,111	432,312	768,644	376,714	391,930	77,779	37,397	40,382
without secondary general school certificate.....	47,435	18,348	29,087	38,233	14,706	23,527	9,202	3,642	5,560
with secondary general school certificate.....	139,952	57,358	82,594	117,524	47,554	69,970	22,428	9,804	12,624
with intermediate schoolcertificate 1.....	370,201	181,185	189,016	336,033	164,011	172,022	34,168	17,174	16,994
with entrance qualification for university of applied sciences 2.....	973	473	500	853	421	432	120	52	68
with general higher education entrance qualification.....	287,862	156,747	131,115	276,001	150,022	125,979	11,861	6,725	5,136

1 Former Realschulabschluss.

2 Since 2013 including academics part of entrance qualification for universities of applied sciences.

Source: Statistisches Bundesamt, Fachserie 11, Reihe 1

4. Further information

10 Reduced inequalitiesDistributive justice – *Preventing too-great inequality within Germany***10.2 Gini coefficient of income distribution****1. Definition**

The indicator maps the distribution of equivalised disposable income per person using Gini coefficients.

2. Data on the time series of the indicator

Specification	2007	2008	2009	2010	2011	2012	2013	2014
	Gini coefficient of equivalised disposable income							
Germany.....	0.304	0.302	0.291	0.293	0.290	0.283	0.297	0.307
European Union 1.....	0.306	0.309	0.305	0.305	0.308	0.304	0.305	0.309

3. Supplementary data

Specification	2007	2008	2009	2010	2011	2012	2013	2014
	Gini coefficient of equivalised income before social transfers ²							
Germany.....	0.373	0.367	0.355	0.359	0.358	0.345	0.362	0.371
European Union 1.....	0.361	0.361	0.359	0.362	0.366	0.36	0.362	0.365
	Gini coefficient of wealth							
Germany.....	–	–	–	0.760	–	–	–	0.760
European Union 1.....	–	–	–	0.678	–	–	–	...
	Gini coefficient of market income							
Germany.....	–	–	–	0.492	–	–	–	...

1 To 2009 EU-27, from 2010 EU-28.

2 Social transfers do not include pensions.

Source: Federal Statistical Office, Eurostat, German Bundesbank, European Central Bank, German Institute for Economic Research

4. Further information

11 Sustainable cities and communities

Land use – *Sustainable land use*

11.1.a Built-up area and transport infrastructure expansion

1. Definition

The indicator shows the average daily expansion of built-up areas and transport infrastructure.

2. Data on the time series of the indicator

Specification	1992	1996 ¹	2000	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Hectares per day													
Built-up area and transport infrastructure expansion ² (moving four-year average).....	–	120	129	115	114	113	113	104	94	87	81	74	73	69
Built-up area and transport infrastructure expansion.....	–	120	131	131	118	106	97	95	78	77	74	69	71	63
Transport land.....	–	24	24	25	25	24	24	21	18	21	17	11	19	23
Buildings and open land, commercial/ industrial land 3.....	–	87	87	60	35	30	40	35	28	33	30	40	29	22
Recreational land, cemetery.....	–	9	21	46	57	52	33	39	32	23	27	18	23	18

¹ 1993 - 1996.

² The reference data is 31.12.

³ Excluding mining.

Source: Statistisches Bundesamt, Flächenerhebung (Area survey)
Bundesamt für Bauwesen und Raumordnung, 2002

4. Further information

in German: Fachserie 3, Reihe 5.1: Bodenfläche nach Art der tatsächlichen Nutzung
www.destatis.de/Flaechennutzung/Bodenflaechennutzung

11 Sustainable cities and communities

Land use – *Sustainable land use*

11.1.b Loss of open space

1. Definition

The indicator represents the annual change in open space in square metres per capita as a moving four-year average.

2. Data on the time series of the indicator

Specification	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Change in open space per capita (moving four-year average) in m ² per year										
Germany, total.....	-5.1	-5.0	-4.8	-4.7	-4.6	-4.3	-4.0	-4.2	-3.8	-3.6	-3.5
Non-rural areas.....	-1.8	-1.8	-1.7	-1.7	-1.7	-1.5	-1.5	-1.4	-1.2	-1.2	-1.1
Rural areas.....	-7.4	-7.3	-7.1	-6.9	-6.7	-6.4	-5.9	-6.3	-5.7	-5.5	-5.3

3. Supplementary data

Specification	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Inhabitants in thousand										
Germany, total.....	82,500.8	82,438.0	82,314.9	82,217.8	82,002.4	81,802.3	81,751.6	80,327.9	80,523.7	80,767.5	81,197.5
Non-rural areas.....	34,419.2	34,478.9	34,545.2	34,616.6	34,637.0	34,649.0	34,758.1	34,105.6	34,346.4	34,579.2	34,865.7
Rural areas.....	48,081.7	47,959.1	47,769.7	47,601.2	47,365.4	47,153.3	46,993.5	46,222.3	46,177.4	46,188.3	46,331.8
	Settlement and transport land ¹ in km ²										
Germany, total.....	45,621	46,000	46,379	46,758	47,137	47,422	47,702	48,133	48,368	48,597	48,828
Non-rural areas.....	10,207	10,264	10,322	10,380	10,437	10,478	10,526	10,572	10,607	10,641	10,671
Rural areas.....	35,414	35,736	36,057	36,378	36,700	36,943	37,176	37,561	37,761	37,956	38,157

1 Interpolated from 2004 to 2008.

Source: Statistisches Bundesamt; Bevölkerungsstatistik (Population statistics), Flächennutzung (Area survey)
Federal Institute for Research on Building, Urban Affairs and Spatial Development

4. Further information

11 Sustainable cities and communities

Land use – *Sustainable land use*

11.1.c Settlement density

1. Definition

The indicator shows the number of inhabitants per square kilometre of settlement and transport land.

2. Data on the time series of the indicator

Specification	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Settlement density	2000 = 100														
Germany, total.....	100	99.1	98.3	97.4	96.6	95.7	94.8	93.8	92.9	92.1	91.5	89.1	88.9	88.8	88.8
Non-rural areas.....	100	99.6	99.1	98.7	98.3	97.9	97.5	97.1	96.7	96.4	96.2	94.0	94.4	94.7	95.2
Rural areas.....	100	99.0	98.0	97.0	95.9	94.8	93.6	92.4	91.2	90.2	89.3	87.0	86.4	86.0	85.8

3. Supplementary data

Specification	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Inhabitants in thousand															
Germany, total.....	82,259.5	82,440.3	82,536.7	82,531.7	82,500.8	82,438.0	82,314.9	82,217.8	82,002.4	81,802.3	81,751.6	80,327.9	80,523.7	80,767.5	81,197.5
Non-rural areas.....	34,174.7	34,282.2	34,352.3	34,394.1	34,419.2	34,478.9	34,545.2	34,616.6	34,637.0	34,649.0	34,758.1	34,105.6	34,346.4	34,579.2	34,865.7
Rural areas.....	48,084.8	48,158.1	48,184.4	48,137.6	48,081.7	47,959.1	47,769.7	47,601.2	47,365.4	47,153.3	46,993.5	46,222.3	46,177.4	46,188.3	46,331.8
Settlement and transport land ¹ in km ²															
Germany, total.....	43,939	–	–	–	45,621	–	–	–	47,137	47,422	47,702	48,133	48,368	48,597	48,828
Non-rural areas.....	9,959	–	–	–	10,207	–	–	–	10,437	10,478	10,526	10,572	10,607	10,641	10,671
Rural areas.....	33,981	–	–	–	35,414	–	–	–	36,700	36,943	37,176	37,561	37,761	37,956	38,157
Inhabitants per km ² of settlement and transport land															
Germany, total.....	1,872	–	–	–	1,808	1,791	1,774	1,757	1,740	1,725	1,714	1,669	1,665	1,662	1,663
Non-rural areas.....	3,432	–	–	–	3,372	3,359	3,345	3,332	3,319	3,307	3,302	3,226	3,238	3,250	3,267
Rural areas.....	1,415	–	–	–	1,358	1,341	1,324	1,307	1,291	1,276	1,264	1,231	1,223	1,217	1,214

¹ Interpolated from 2004 to 2008.

Source: Statistisches Bundesamt; Bevölkerungsstatistik (Population statistics), Flächennutzung (Area survey)
Federal Institute for Research on Building, Urban Affairs and Spatial Development

4. Further information

11 Sustainable cities and communities

Mobility – *Guaranteeing mobility – Protecting the environment*

11.2.a Final energy consumption in freight transport

1. Definition

Final energy consumption in freight transport represents the energy consumption for the transport of goods within Germany via inland shipping, by rail and by road.

2. Data on the time series of the indicator

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹
	2005 = 100									
Final energy consumption for the carriage of goods.....	100	105.0	108.2	106.9	97.8	103.3	106.2	103.5	104.4	107.2
Goods transport performance 2.....	100	107.9	112.7	113.4	100.9	108.6	111.4	109.5	111.5	113.1
Final energy consumption per tonne-kilometre.....	100	97.3	96.0	94.3	97.0	95.2	95.4	94.6	93.7	94.8
memorandum item:										
Intensity of goods transport.....	100	104.1	105.2	104.8	98.8	102.1	101.1	99.0	100.4	100.3

3. Supplementary data

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹
	billion megajoules (MJ)									
Final energy consumption for the carriage of goods.....	507.0	532.2	548.5	541.9	495.9	523.6	538.5	525.0	529.3	543.3
Road traffic.....	463.3	488.2	504.4	498.6	459.3	482.7	498.2	485.8	489.2	503.8
Rail transport.....	19.3	19.9	20.0	19.6	16.2	18.5	18.9	18.3	18.9	18.1
Inland water transport.....	24.4	24.1	24.2	23.7	20.3	22.3	21.4	20.8	21.2	21.3
	2005 = 100									
Final energy consumption for the carriage of goods.....	100	105.0	108.2	106.9	97.8	103.3	106.2	103.5	104.4	107.2
Road traffic.....	100	105.4	108.9	107.6	99.1	104.2	107.5	104.9	105.6	108.8
Rail transport.....	100	103.2	103.8	102.0	84.3	96.0	98.3	95.2	98.3	94.1
Inland water transport.....	100	98.8	98.8	96.8	82.9	91.4	87.7	85.2	86.6	87.3
	billion tonne kilometre (tkm)									
Goods transport performance 2.....	563.3	607.9	634.7	638.7	568.2	611.6	627.5	617.0	627.8	637.1

¹ Some value estimated.

² Goods transport performance on the territory of the Federal Republic of Germany (excluding air transport, transport via pipeline and by light commercial vehicles [≤ 3.5 t gross vehicle weight]).

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹
	MJ / tkm									
Final energy consumption per tonne-kilometre.....	0.90	0.88	0.87	0.85	0.87	0.86	0.86	0.85	0.85	0.85
Road traffic.....	1.15	1.12	1.11	1.09	1.11	1.10	1.09	1.09	1.08	1.09
Rail transport.....	0.20	0.19	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16
Inland water transport.....	0.38	0.38	0.37	0.37	0.37	0.36	0.39	0.36	0.35	0.36

Source: Bundesministerium für Verkehr und digitale Infrastruktur (Federal Ministry of Transport and digital Infrastructure [editor]): Verkehr in Zahlen (Transport in figures), 2015/2016
 Institut für Energie- und Umweltforschung (Institute for Energy and Environmental Research)
 Statistisches Bundesamt (Federal Statistical Office)

4. Further information

in German: Bundesministerium für Verkehr und digitale Infrastruktur (Hrsg.): Verkehr in Zahlen, Ausgabe 2015/2016
 Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting, Part 6
www.destatis.de/TablesEEA

11 Sustainable cities and communities
 Mobility – *Guaranteeing mobility – Protecting the environment*

11.2.b Final energy consumption in passenger transport

1. Definition

Final energy consumption in passenger transport represents energy consumption due to the carriage of people by rail, by air, by road (public and private transport) within Germany.

2. Data on the time series of the indicator

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹
	2005 = 100									
Final energy consumption in passenger transport.....	100	98.6	97.9	96.6	97.5	97.4	98.0	97.2	96.9	97.6
Passenger transport performance 2.....	100	100.8	100.9	101.6	102.5	102.9	104.0	104.3	105.1	106.7
Final energy consumption per passenger-kilometre.....	100	97.8	96.9	95.1	95.2	96.6	94.2	93.2	92.2	91.5
memorandum item:										
Intensity of passenger transport.....	100	97.2	94.3	93.9	100.3	96.8	94.4	94.3	94.7	94.6

3. Supplementary data

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹
	billion megajoules (MJ)									
Final energy consumption in passenger transport.....	1,688.2	1,664.7	1,652.1	1,630.9	1,646.0	1,643.6	1,653.6	1,640.8	1,636.2	1,647.6
Road traffic.....	1,609.7	1,586.4	1,574.0	1,552.4	1,569.2	1,567.5	1,577.9	1,567.2	1,566.5	1,578.6
Rail transport.....	45.5	44.3	43.2	43.4	43.0	42.4	41.7	41.7	40.9	39.7
Air traffic 3.....	33.0	34.1	34.9	35.2	33.8	33.7	34.0	31.9	28.9	29.3
	billion passenger-kilometre									
Passenger transport performance 2.....	1,044.5	1,053.3	1,054.4	1,061.6	1,070.1	1,053.3	1,086.4	1,089.7	1,098.1	1,114.7
Rail transport.....	76.8	79.0	79.1	82.5	82.3	83.9	85.4	88.8	89.6	91.0
Air traffic 3.....	9.5	9.9	10.6	11.0	10.6	10.7	10.6	10.3	9.9	10.0
Public road transport 4.....	82.5	81.8	81.3	79.6	78.6	78.1	78.0	76.0	77.1	78.8
Individual motorised traffic.....	875.7	882.6	883.4	888.5	898.7	902.4	912.4	914.6	921.4	935.0
for purposes:										
Commuting.....	167.5	168.7	172.0	172.3	174.8	175.9	179.0	180.8	182.5	186.6
Education.....	17.5	17.4	17.2	17.0	17.5	17.5	18.0	18.0	18.4	18.9
Business.....	114.8	116.8	119.8	123.5	125.2	127.3	129.4	130.4	131.0	133.7
Shopping.....	164.2	163.7	160.6	159.6	161.2	160.8	161.9	161.4	162.6	164.3
Recreation.....	311.3	314.7	311.0	313.6	317.6	319.2	323.8	323.7	327.6	332.0
Conveyance of others.....	54.7	54.8	53.3	55.7	56.0	55.4	55.3	54.8	55.0	55.4
Holiday.....	45.6	46.6	49.6	46.8	46.4	46.3	45.0	45.6	44.3	44.1

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ¹
	MJ / Pkm									
Final energy consumption per passenger-kilometre.....	1.62	1.58	1.57	1.54	1.54	1.53	1.52	1.51	1.49	1.48
Road traffic.....	1.68	1.64	1.63	1.60	1.61	1.60	1.59	1.58	1.57	1.56
Rail transport.....	0.59	0.56	0.55	0.53	0.52	0.50	0.49	0.47	0.46	0.44
Air traffic 3.....	3.48	3.45	3.29	3.21	3.20	3.16	3.20	3.10	2.92	2.94

1 Some value estimated.

2 Passenger transport performance on the territory of the Federal Republic of Germany (including air traffic).

3 National air traffic.

4 Until 2003: only enterprises with six autobuses or more.

Source: Bundesministerium für Verkehr und digitale Infrastruktur (Federal Ministry of Transport and digital Infrastructure [editor]): Verkehr in Zahlen (Transport in figures), 2015/2016
Institut für Energie- und Umweltforschung (Institute for Energy and Environmental Research)
Statistisches Bundesamt (Federal Statistical Office)

4. Further information

in German: Bundesministerium für Verkehr und digitale Infrastruktur (Hrsg.): Verkehr in Zahlen, Ausgabe 2015/2016
Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting, Part 6
www.destatis.de/TablesEEA

11.2.c Population-weighted average travel time with public transport from each stop to the next medium-sized/large city

1. Definition

The indicator shows the population-weighted average travel time by public transport to the nearest medium-sized or large city.

2. Data on the time series of the indicator

Specification	2012	2016
	Minutes	
Travel time by public transport.....	23.5	22.4

3. Supplementary data

Specification	2012	2016
	Share in %	
Stops from where the next medium-sized/large city can be reached within the standard travel time		
Standard: maximally 45 minutes.....	84.0	92.0
Standard: maximally 60 minutes.....	83.5	92.7
	Number	
Medium-sized or large city.....	1,010	1,069

Source: Federal Institute for Research on Building, Urban Affairs and Spatial Development

4. Further information

11 Sustainable cities and communities

Housing – *Affordable housing for all*

11.3 Housing cost overload

1. Definition

The indicator shows the share of people who live in households that spend more than 40 % of their disposable household income on living expenses. Living expenses in this case are net rent not including heating, ancillary costs, energy costs and expenditure on water supply as well as value-maintaining investments and interest payments on loans in the case of home ownership.

2. Data on the time series of the indicator

Specification	2010	2011	2012	2013	2014	2015
	%					
Share of people in households that spend more than 40 % of their disposable income on living expenses.....	14.5	16.1	16.6	16.4	15.9	15.6

3. Supplementary data

Specification	2010	2011	2012	2013	2014	2015
	%					
Share of people overloaded by living costs of the population at risk of poverty.....	42.2	46.3	51.7	49.2	54.4	51.9
Share of people overloaded by living costs of the population at not risk of poverty.....	9.4	10.5	9.9	10.1	8.3	8.4
Quota of housing cost overload						
Germany.....	14.5	16.1	16.6	16.4	15.9	15.6
European Union.....	10.8	11.4	10.9	11.1	11.5	11.4
including:						
Belgium.....	8.9	10.6	11.0	9.6	10.4	9.4
France.....	5.1	5.2	5.2	5.2	5.1	5.7
Italy.....	7.7	8.7	8.1	8.9	8.5	8.6
Netherlands.....	14.0	14.5	14.4	15.7	15.4	15.6
Austria.....	7.5	7.8	7.0	7.2	6.6	6.4
Sweden.....	6.5	7.9	7.6	7.9	7.8	7.5
Euro zone.....	9.6	10.7	11.1	11.3	11.3	11.3

Source: Federal Statistical Office, Eurostat

4. Further information

12 Responsible consumption and production

Sustainable consumption – *Making consumption environmentally and socially compatible*

12.1.a Market share of goods certified by independently verified sustainability labelling schemes

1. Definition

The indicator measures the market share of products with voluntary or mandatory ecolabels, whose tendering procedures are stipulated by governmental bodies.

2. Data on the time series of the indicator

Specification	2012 ¹	2013 ¹	2014 ¹
Products certified by independently verified sustainability labelling schemes	Market share in %		
	3.8	4.5	6.0

3. Supplementary data

Specification	2012 ¹	2013 ¹	2014 ¹
	Sales in million euros		
All categories of goods	10,052	12,225	16,818
including:			
Refrigerators	175	287	335
Freezers	48	89	107
Washing machines	663	846	1,079
Dishwashers	108	148	200
Illuminants	161	199	232
Organic foods	7,040	7,550	7,910
Tissue paper	667	665	663
	Share on total sales in %		
Refrigerators	12.0	19.2	21.6
Freezers	14.7	26.1	29.9
Washing machines	48.6	61.8	75.6
Dishwashers	10.0	13.2	17.3
Illuminants	46.8	52.1	57.8
Organic foods	4.1	4.3	4.3
Tissue paper	36.8	36.5	36.3

¹ Preliminary results.

Source: Gesellschaft für Konsumforschung, the Federal Motor Transport Authority, Agrarmarkt Informationsgesellschaft mbH, the Organic Food Production Alliance, the Association for Sustainable Mobility, the German Environment Agency

12 Responsible consumption and production

Sustainable consumption – *Making consumption environmentally and socially compatible*

12.1.b Energy consumption and CO₂ emissions from private household consumption

1. Definition

The indicator specifies the development of direct and indirect energy consumption by private households and thus illustrates the strain placed on energy by the consumption activities of private households.

2. Data on the time series of the indicator

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013
	2005 = 100								
Energy consumption	100	98.0	93.3	94.7	96.3	101.9	97.8	96.6	99.1
Energy content of consumer goods	60.0	59.2	55.9	56.3	57.7	60.7	60.4	58.9	59.4
Direct energy consumption	40.0	38.8	37.4	38.4	38.6	41.1	37.4	37.7	39.7
CO2 emissions	100	98.5	96.2	98.0	99.4	104.9	102.7	102.1	103.8

3. Supplementary data

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013
	Petajoules								
Energy consumption	9,904	9,707	9,235	9,375	9,542	10,088	9,684	9,569	9,818
Housing	3,797	3,728	3,536	3,602	3,593	3,920	3,474	3,455	3,696
Mobility	2,410	2,376	2,298	2,252	2,359	2,328	2,353	2,310	2,323
Other products	1,351	1,299	1,242	1,255	1,197	1,420	1,468	1,452	1,433
Other services	1,205	1,222	1,150	1,266	1,301	1,297	1,228	1,179	1,192
Food	1,140	1,082	1,010	1,000	1,091	1,122	1,161	1,172	1,175
Direct energy consumption	3,958	3,847	3,703	3,801	3,826	4,074	3,700	3,731	3,933
Fuels 1	2,544	2,471	2,331	2,454	2,448	2,694	2,303	2,354	2,546
Motor fuels	1,414	1,376	1,372	1,347	1,378	1,380	1,396	1,377	1,386
Indirect energy consumption	5,946	5,860	5,532	5,573	5,716	6,014	5,984	5,838	5,886
	million tonnes								
CO2 emissions	643.7	634.3	619.3	630.6	639.8	675.4	661.3	657.1	668.1
Direct CO2 emissions 2	230.7	223.4	213.6	223.5	220.1	233.6	215.1	216.6	225.5
CO2 content of consumer goods	413.0	410.9	405.7	407.1	419.7	441.8	446.2	440.5	442.5

1 Including electricity and remote heating.

2 Emissions that arise during the burning process of fuels and combustibles.

4. Further information

Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting, Part 1 and 2

www.destatis.de/TablesEEA

www.destatis.de/PrivateHouseholds

12 Responsible consumption and production

Sustainable production – *Increasing the proportion of sustainable production*

12.2 EMAS eco-management

1. Definition

The indicator shows the number of organisation locations registered in Germany for EMAS (Eco-Management and Audit Scheme).

2. Data on the time series of the indicator

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Number										
EMAS organisational locations	1,958	1,985	1,956	1,917	1,906	1,913	1,903	1,834	1,877	1,925	2,031
Employees	961,255	926,296	860,491	840,006	802,825	780,757	764,736	772,774	787,525	785,432	800,635

3. Supplementary data

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Number of organisations										
Deutschland (Germany).....	1,491	1,490	1,466	1,408	1,354	1,332	1,269	1,212	1,228	1,223	1,216
Baden-Württemberg.....	313	358	353	363	366	403	408	410	420	415	422
Bayern (Bavaria).....	320	302	298	287	282	275	250	247	244	257	269
Berlin.....	56	55	57	51	43	39	39	34	41	35	26
Brandenburg.....	42	38	34	33	34	38	30	26	30	29	27
Bremen.....	20	20	19	24	24	21	20	17	16	14	12
Hamburg.....	20	20	21	14	13	12	12	10	9	11	11
Hessen (Hesse).....	103	102	98	69	67	73	74	72	70	73	76
Mecklenburg-Vorpommern Mecklenburg-Western Pomeran	24	25	24	23	16	8	8	6	6	6	5
Niedersachsen (Lower Saxony).....	56	58	61	61	67	72	76	62	64	60	56
Nordrhein-Westfalen (North-Rhine/Westphalia).....	164	156	168	164	157	140	131	121	118	113	114
Rheinland-Pfalz (Rhineland-Palatinate).....	53	49	49	44	46	44	37	35	36	37	31
Saarland.....	49	47	50	52	51	49	44	43	44	51	50
Sachsen (Saxony).....	53	47	46	42	40	36	35	35	33	33	32
Sachsen-Anhalt (Saxony-Anhalt).....	34	34	37	38	35	35	28	28	28	24	21
Schleswig-Holstein.....	72	72	66	59	50	36	34	26	26	22	17
Thüringen (Thuringia).....	112	107	85	84	63	51	43	40	43	43	47

Industries	2010	2011	2012	2013	2014	2015
	Share of organisational locations in %					
Manufacturing	39	39	39	.	40	38
Other service activities	14	14	13	.	12	11
Accommodation and food service activities	5	5	7	.	9	10
Education	10	10	9	.	9	9
Water supply; sewerage, waste management and remediation activities	6	6	6	.	6	6

Source: Deutscher Industrie- und Handelskammertag e.V., the German EMAS Advisory Board, the German Environment Agency

4. Further information

www.emas.de/english-summary

13 Climate action

Climate protection – Reducing greenhouse gases

13.1.a Greenhouse gas emissions

1. Definition

The indicator shows emissions of the following greenhouse gases (substances or substance groups) in CO₂ equivalents: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), nitrogen trifluoride (NF₃), hydrofluorocarbons (HFC), perfluorocarbons (PFC) as well as sulphur hexafluoride (SF₆).

2. Data on the time series of the indicator

Specification	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	1990 = 100													
Greenhouse gas emissions 2.....	100	89.8	83.6	79.5	80.0	77.9	78.0	72.6	75.4	73.9	74.2	75.7	72.3	72.8

3. Supplementary data

Specification	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	million tonnes CO ₂ equivalents													
Greenhouse gas emissions 2.....	1,247.9	1,120.2	1,042.7	991.5	998.8	971.8	973.8	906.4	941.0	921.8	926.4	945.2	901.9	908.3
Carbon dioxide (CO ₂)	1,051.0	938.0	899.2	865.9	877.4	850.7	853.2	788.4	832.2	812.4	817.0	835.7	792.9	798.6
Other (CH ₄ , N ₂ O, H-FKW/HFC, FKW/PFC, SF ₆ , NF ₃)	196.9	182.2	143.5	125.6	121.4	121.1	120.6	118.0	108.8	109.4	109.4	109.5	109.1	109.7
including:														
Methane (CH ₄)	118.4	103.9	87.1	68.0	64.1	61.9	61.0	58.8	58.0	56.9	57.6	57.0	55.6	55.3
Nitrous oxide (N ₂ O)	65.2	61.3	43.4	43.7	43.5	45.4	45.9	45.1	37.1	38.5	37.6	38.2	38.9	39.6
Hydrofluorocarbons (HFC)	5.8	8.4	8.0	9.7	9.9	10.0	10.2	10.7	10.3	10.5	10.7	10.8	10.9	14.8
Perfluorocarbons (PFC)	3.1	2.1	1.0	0.8	0.7	0.6	0.6	0.4	0.3	0.3	0.2	0.3	0.2	...
Sulphur hexafluoride (SF ₆)	4.4	6.5	4.1	3.3	3.2	3.2	3.0	2.9	3.0	3.2	3.2	3.3	3.4	...
Nitrogen trifluoride (NF ₃)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	...
	Share in %													
Carbon dioxide (CO ₂)	84.2	83.7	86.2	87.3	87.8	87.5	87.6	87.0	88.4	88.1	88.2	88.4	87.9	87.9

Specification	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	1990 = 100													
Greenhouse gas emissions 2.....	100	89.8	83.6	79.5	80.0	77.9	78.0	72.6	75.4	73.9	74.2	75.7	72.3	72.8
Carbon dioxide (CO ₂)	100	89.3	85.6	82.4	83.5	80.9	81.2	75.0	79.2	77.3	77.7	79.5	75.4	76.0
Other (CH ₄ , N ₂ O, H-FKW/HFC, FKW/PFC, SF ₆ , NF ₃)	100	92.5	72.9	63.8	61.6	61.5	61.2	59.9	55.3	55.6	55.6	55.6	55.4	55.7
including:														
Methane (CH ₄)	100	87.7	73.5	57.4	54.1	52.3	51.5	49.6	49.0	48.1	48.6	48.1	47.0	46.7
Nitrous oxide (N ₂ O)	100	93.9	66.5	67.0	66.6	69.6	70.3	69.1	56.9	58.9	57.7	58.6	59.6	60.7
Hydrofluorocarbons (HFC)	100	145.6	139.8	167.9	171.8	173.5	176.7	186.3	178.6	182.9	186.4	187.0	189.4	257.1
Perfluorocarbons (PFC)	100	68.2	31.3	27.3	21.8	19.2	18.5	13.3	11.3	9.1	7.9	8.4	7.7	...
Sulphur hexafluoride (SF ₆)	100	146.1	92.0	75.0	73.2	71.8	67.1	66.0	68.8	71.4	71.2	73.6	76.7	...
Nitrogen trifluoride (NF ₃)	100	76.9	129.6	501.3	404.7	174.8	430.2	422.7	892.9	889.6	511.7	233.0	294.8	...

¹ Near real-time forecast by the German Environment Agency.

² Excluding emissions from land use, land use changes and forestry (LULUCF) as well as from biomass.

Calculated using the territorial concept (emissions on German territory, that is: including foreign business units located within Germany and excluding German business units located outside of Germany).

Source: German Environment Agency

4. Further information

United Nations Framework Convention on Climate Change UNFCCC

European Environment Agency

in German: Umweltbundesamt, Nationale Inventarberichte

Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting, Part 3

www.destatis.de/TablesEEA

13 Climate action

Climate protection – *Germany's contribution to international climate finance*

13.1.b International climate finance for the reduction of greenhouse gases and adaption to climate change

1. Definition

The indicator includes the financing of measures for the reduction of greenhouse gases, for the adaption to climate change, for the protection of biodiversity as well as REDD+ projects primarily in developing and emerging countries from German public funds including the grant elements of development loans, which include public funds.

2. Data on the time series of the indicator

Specification	2011	2012	2013	2014
	billions of euros			
German funding primarily to developing and emerging countries for climate protection	1.56	1.66	1.95	2.34
Target value	–	–	–	2.00

Source: Federal Ministry for Economic Cooperation and Development

14 Life below water

Protecting the oceans – *Protection and sustainable use of oceans and marine resources*

14.1.a Nitrogen input into Baltic and North Sea via German inflows

1. Definition

The indicators map the moving five-year average of nitrogen inputs in mg nitrogen per litre of water discharge via the Rivers Eider, Elbe, Ems and Weser into the North Sea as well as Peene, Trave and Warnow into the Baltic Sea.

2. Data on the time series of the indicator

Specification	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Concentration in mg/l (moving average of the previous five years)										
Baltic Sea	4.3	4.4	4.4	4.4	4.7	4.5	4.5	4.5	4.2	4.0	3.9
North Sea	5.2	4.5	4.3	4.3	4.2	4.0	3.9	4.0	3.8	3.8	3.8

3. Supplementary data

Specification	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Concentration in mg/l, five-year average										
Baltic Sea	4.3	4.4	4.4	4.4	4.7	4.5	4.5	4.5	4.2	4.0	3.9
Trave	6.6	5.4	5.6	5.7	5.9	5.7	5.8	5.7	5.5	5.3	5.2
Peene	3.9	4.7	4.7	4.5	4.9	4.8	4.6	4.7	4.4	4.2	4.0
Warnow	3.9	3.4	3.5	3.5	3.7	3.4	3.6	3.6	3.2	3.2	3.1
North Sea	5.2	4.5	4.3	4.3	4.2	4.0	3.9	4.0	3.8	3.8	3.8
Elbe	4.9	3.9	3.7	3.6	3.4	3.4	3.3	3.5	3.4	3.6	3.6
Weser	5.3	5.1	5.0	5.1	4.9	4.8	4.7	4.7	4.3	4.1	3.8
Ems	7.6	7.0	6.7	7.1	7.1	6.9	6.5	6.5	6.1	6.2	6.0
Eider	6.3	4.4	4.4	4.7	4.7	4.1	3.7	3.3	2.7	2.5	2.4
	Concentration in mg/l										
Baltic Sea	4.41	4.91	4.19	5.12	4.83	3.29	4.85	4.25	3.69	4.16	2.79
Trave	5.82	5.79	5.90	6.29	5.68	4.74	6.42	5.31	5.29	4.90	4.30
Peene	4.02	5.85	4.13	5.08	5.50	3.40	4.78	4.51	3.56	4.56	2.71
Warnow	4.41	3.35	3.43	4.45	3.51	2.43	3.93	3.44	2.87	3.34	2.02
North Sea	4.57	4.38	3.86	4.34	3.76	3.77	3.77	4.50	3.06	4.14	3.34
Elbe	4.43	3.56	3.37	3.34	3.33	3.30	3.30	4.42	2.69	4.46	3.20
Weser	4.41	5.29	4.56	5.23	4.40	4.57	4.57	4.50	3.61	3.26	3.29
Ems	6.51	8.71	6.74	7.79	5.09	6.39	6.38	6.68	5.90	5.50	5.39
Eider	4.39	4.57	4.82	4.95	3.33	2.77	2.77	2.76	2.04	2.33	2.25

Specification	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Nitrogen load in tonnes per year										
Baltic Sea	5,384	6,099	5,307	9,256	7,158	3,080	7,347	9,033	5,053	6,075	2,822
Trave	1,030	1,418	1,429	2,547	1,641	849	2,145	1,540	1,534	1,333	864
Peene	2,558	3,138	2,139	3,737	3,655	1,355	3,171	4,975	2,149	2,897	1,258
Warnow	1,796	1,543	1,739	2,972	1,862	876	2,031	2,518	1,370	1,845	700
North Sea	189,335	174,580	150,675	201,100	151,301	138,518	138,518	190,777	117,699	205,968	91,291
Elbe	110,000	91,000	91,000	89,000	82,000	80,000	80,000	125,000	70,000	149,200	51,600
Weser	56,535	58,338	41,659	79,300	51,030	41,400	41,400	45,700	32,100	42,590	25,600
Ems	19,000	22,000	14,500	28,000	14,300	13,700	13,700	15,800	12,700	11,300	11,200
Eider	3,800	3,242	3,516	4,800	3,971	3,418	3,418	4,277	2,899	2,878	2,891
	Flowing off in million cubic metre per year										
Baltic Sea	1,221	1,241	1,267	1,809	1,483	937	1,515	2,125	1,371	1,460	1,013
Trave	177	245	242	405	289	179	334	290	290	272	201
Peene	637	536	518	736	664	398	664	1,104	603	636	465
Warnow	407	460	507	668	530	360	517	731	478	552	347
North Sea	41,424	39,823	38,986	46,343	40,192	36,712	36,715	42,366	38,489	49,783	27,301
Elbe	24,815	25,550	26,974	26,609	24,595	24,273	24,273	28,288	26,023	33,428	16,146
Weser	12,825	11,038	9,134	15,169	11,597	9,063	9,063	10,162	8,890	13,063	7,793
Ems	2,917	2,526	2,150	3,595	2,807	2,143	2,146	2,365	2,152	2,055	2,079
Eider	866	709	729	970	1,193	1,234	1,234	1,551	1,424	1,236	1,283

Source: Federal Statistical Office
German Environment Agency using information from the Länder and river basin communities

4. Further information

14 Life below water

Protecting the oceans – *Protection and sustainable use of oceans and marine resources*

14.1.b Share of sustainably fished fish stocks in the North and Baltic Sea

1. Definition

The indicator specifies the share of sustainably managed fish stocks (according to the Maximum Sustainable Yield [MSY] approach) from the total number of managed fish stocks in the North and Baltic Sea.

2. Data on the time series of the indicator

Specification	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Share in %											
Sustainably managed fish stocks												
Total	37.0	33.3	29.6	18.5	33.3	37.0	44.4	48.1	60.7	42.9	57.1	53.6
North Sea	45.0	35.0	30.0	15.0	35.0	40.0	50.0	55.0	61.9	47.6	61.9	57.1
Baltic Sea	14.3	28.6	28.6	28.6	28.6	28.6	28.6	28.6	57.1	28.6	42.9	42.9
MSY-investigated from all managed stocks	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	35.9	35.9	35.9	35.9

3. Supplementary data

Specification	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Number											
Sustainably managed fish stocks												
Total	10	9	8	5	9	10	12	13	17	12	16	15
North Sea	9	7	6	3	7	8	10	11	13	10	13	12
Baltic Sea	1	2	2	2	2	2	2	2	4	2	3	3
MSY-investigated stocks												
Total	27	27	27	27	27	27	27	27	28	28	28	28
North Sea	20	20	20	20	20	20	20	20	21	21	21	21
Baltic Sea	7	7	7	7	7	7	7	7	7	7	7	7
All managed stocks												
Total	78	78	78	78	78	78	78	78	78	78	78	78
North Sea	58	58	58	58	58	58	58	58	58	58	58	58
Baltic Sea	20	20	20	20	20	20	20	20	20	20	20	20

Source: International Council for the Exploration of the Sea

4. Further information

15 Life on land

Biodiversity – Conserving species – Protecting habitats

15.1 Species diversity and landscape quality

1. Definition

The indicator shows the population trend for 51 selected bird species in the form of an index.

2. Data on the time series of the indicator¹

Specification	1970 ²	1975 ²	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
	Index 2030 = 100																	
Index overall	106.9	101.4	76.5	73.1	71.9	71.1	69.7	69.8	72.4	72.1	70.2	70.8	70.9	67.8	68.2	66.1	70.1	68.5
Sub-index forests.....	77.5	78.5	81.6	70.7	73.4	74.8	74.3	78.5	79.1	80.8	78.5	76.8	83.0	73.9	79.8	79.3	87.9	86.9
Sub-index settlements.....	99.7	101.6	80.8	75.2	69.8	69.6	63.4	59.2	66.5	68.0	65.1	67.2	63.7	64.3	66.5	70.8	69.2	66.2
Sub-index farmland.....	128.8	117.2	74.2	73.8	71.7	68.6	68.8	67.8	70.7	69.0	68.0	68.5	66.3	65.4	62.6	58.2	61.3	59.2
Sub-index inland waters 3.....	82.7	80.3	64.1	67.5	67.4	73.7	67.0	66.7	72.0	69.9	63.1	72.6	76.2	70.8	68.2	66.2	71.5	71.9
Sub-index coasts/seas 3.....	77.3	81.1	78.1	85.4	76.6	81.1	71.3	68.1	63.7	63.6	62.9	65.7	55.1	59.9	62.9	61.5	57.9	58.2
Sub-index for the Alps.....	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

¹ All time series have been recalculated backwards. The total index for the time series is presently calculated without the sub-index for the Alps.

² The historical values for 1970 and 1975 are reconstructed.

³ For some bird species in the habitats of inland water and coasts and seas, value for individual years have been extrapolated.

Source: Federal Agency for Nature Conservation

4. Further information

in German: Bundesamt für Naturschutz, www.bfn.de

in German: Dachverband Deutscher Avifaunisten, <http://www.dda-web.de> (Monitoring der häufigen Brutvögel)

in German: BMUB: Indikatorenbericht zur nationalen Biodiversitätsstrategie

15.2 Eutrophication of ecosystems	77

1. Definition

The indicator depicts the share of land containing sensitive ecosystems for which the critical ecological loads have been exceeded due to atmospheric nitrogen inputs, measured against the total evaluated land containing sensitive ecosystems.

2. Data on the time series of the indicator

Specification	1990	...	2000	...	2005	...	2010
	Share of assessed land containing sensitive ecosystems in %						
Ecosystems in which critical loads for eutrophication due to nitrogen input are exceeded	73		66		57		54

Source: European Environment Agency

15 **Life on land**
Forests – Preventing deforestation

15.3 Payments to developing countries for the verified preservation or restoration of forests under the REED+ rulebook

1. Definition

The indicator shows the payments by Germany to developing and emerging countries for the verified preservation or restoration of forests under the REED+ rulebook¹.

2. Data on the time series of the indicator

Specification	2009	2010	2011	2012	2013	2014	2015
	millions of euros						
Payments to developing and emerging countries for the verified preservation or restoration of forests under the REED+ rulebook	3.0	20.0	12.0	24.9	36.3	31.0	15.7

3. Supplementary data

Specification	2009	2010	2011	2012	2013	2014	2015
	millions of euros						
Payments to developing and emerging countries for the verified preservation of forests	3.0	20.0	12.0	24.9	36.3	31.0	15.7
Forest Carbon Partnership Facility (FCPF) 2	3.0	17.0	12.0	17.0	10.0	27.0	12.4
Amazon Fund	0.0	3.0	0.0	6.0	8.0	4.0	0.0
REDD Early Mover (REM) 3	0.0	0.0	0.0	1.9	18.3	0.0	3.3

1 REDD+ = Reducing Emissions from Deforestation and Forest Degradation.

"Plus" = Reforestation and sustainability forest cultivation.

2 This is a multilateral programme.

3 REM is a innovative programme of the German developing cooperation. Pioneers of forest and climate protection get reward.

Source: Federal Ministry for Economic Cooperation and Development

4. Further information

16 Peace, justice and strong institutions

Crime – Further increasing personal security

16.1 Criminal offences

1. Definition

The indicator shows the number of criminal offences reported to the police per 100,000 inhabitants.

2. Data on the time series of the indicator

Specification	1993	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Reported cases per 100,000 population													
Offence rate (new calculation on basis Census 2011).....	8,354	8,212	7,692	7,852	7,757	7,752	7,557	7,510	7,385	7,468	7,466	7,404	7,530	7,797
including:														
Burglaries in homes (435*) 1.....	281	260	172	135	131	135	134	141	151	165	179	186	188	206
Serious and grievous bodily harm (2220) 1.....	109	118	144	181	186	191	187	185	178	173	169	159	156	157
Fraud (5100) 1.....	654	771	955	1,176	1,181	1,130	1,099	1,183	1,198	1,157	1,186	1,165	1,200	1,190

3. Supplementary data

Specification	1993	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Reported cases in 1,000													
Total offences.....	6,751	6,669	6,265	6,392	6,304	6,285	6,114	6,054	5,933	5,991	5,997	5,962	6,082	6,331
including:														
Burglaries in homes (435*) 1.....	227	211	140	110	106	109	108	114	121	133	144	150	152	167
Serious and grievous bodily harm (2220) 1.....	88	96	117	147	151	155	151	149	143	139	136	128	126	127
Fraud (5100) 1.....	528	623	771	950	954	913	888	956	968	935	959	938	969	966
	Share in %													
Burglaries in homes (435*) 1.....	3.4	3.2	2.2	1.7	1.7	1.7	1.8	1.9	2.0	2.2	2.4	2.5	2.5	2.6
Serious and grievous bodily harm (2220) 1.....	1.3	1.4	1.9	2.3	2.4	2.5	2.5	2.5	2.4	2.3	2.3	2.1	2.1	2.0
Fraud (5100) 1.....	7.8	9.3	12.3	14.9	15.1	14.5	14.5	15.8	16.3	15.6	16.0	15.7	15.9	15.3
	1993 = 100													
Burglaries in homes (435*) 1.....	100	93.0	61.7	48.3	46.7	48.1	47.7	50.1	53.4	58.4	63.5	65.8	67.0	73.6
Serious and grievous bodily harm (2220) 1.....	100	109.1	133.2	167.6	171.9	176.4	172.3	170.1	162.8	158.4	155.0	145.7	143.3	145.1
Fraud (5100) 1.....	100	117.9	146.0	179.8	180.6	172.8	168.0	180.9	183.2	176.9	181.4	177.5	183.4	182.9
Total offences.....	100	98.8	92.8	94.7	93.4	93.1	90.6	89.7	87.9	88.7	88.8	88.3	90.1	93.8

Specification	1993	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Clear-up rate in %													
Total offences.....	43.8	46.0	53.2	55.0	55.4	55.0	54.8	55.6	56.0	54.7	54.4	54.5	54.9	56.3
Burglaries in homes (435*) 1.....	13.8	15.1	17.7	19.6	19.3	20.0	18.1	16.9	15.9	16.2	15.7	15.5	15.9	15.2
Serious and grievous bodily harm (2220) 1.....	80.1	81.7	83.9	83.5	83.2	82.5	82.3	82.2	82.3	82.3	81.4	82.1	82.4	82.3
Fraud (5100) 1.....	81.2	78.6	79.9	83.1	83.8	83.3	81.7	81.3	79.9	78.3	77.4	76.2	76.8	76.4

1 Code of the Police Crime Statistics.

Source: Statistisches Bundesamt, Census 2011
 Bundeskriminalamt (Federal Criminal Police Office): Polizeiliche Kriminalstatistik (Police Crime Statistics) 2015

4. Further information

16 Peace, justice and strong institutions

Peace and security – *Practical action to combat proliferation, especially of small arms*

16.2 Number of projects to secure, register and destroy small arms and light weapon carried out by Germany in affected regions of the world

1. Definition

The indicator shows the number of projects to secure, register and destroy small arms and light weapons carried out in Africa, Eastern Europe, Latin America and Asia with German financial support.

2. Data on the time series of the indicator

Specification	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	Number of projects									
Secure, register and destroy small arms and light weapons	8	6	8	2	3	11	15	14	15	26

Source: Federal Foreign Office

16 Peace, justice and strong institutions

Good governance – Combating corruption

16.3.a Corruption Perceptions Index in Germany

16.3.b Corruption Perceptions Index in partner countries in the German development cooperation

1. Definition

The indicators provide the Corruption Perceptions Index (CPI) from Transparency International for Germany (16.3.a) as well as the number of partner countries in the German development cooperation, whose CPI has improved compared with 2012 (16.3.b). The CPI measures how strongly corruption in the public sector is perceived in a country.

2. Data on the time series of the indicator

Specification	2012	2013	2014	2015
Rating for Germany	79	78	79	81
Number of partner countries of German development cooperation whose rating has improved compared with 2012 .....	.	17	37	41

Source: Transparency International

3. Supplementary data

Specification	2012	2013	2014	2015
	Reported cases			
Total offenses	5,997,040	5,961,662	6,082,064	6,330,649
Public service	1,268	1,128	2,124	1,076
Accepting on advantage, corruptibility §§ 331, 332, 335 StGB (651000) 1	655	461	1,206	452
Granting on advantage, corruption §§ 333, 334, 335 StGB (652000) 1	613	667	918	624
Enterprises	635	714	499	507
Incorrect certification and breaches of official secrets acts § 298 StGB (656000) 1	115	77	75	94
Corruptibility and corruption in commercial practice §§ 299, 300 StGB (657000)1	519	637	423	404
Criminal offence according to §§ 1 and 2 of the Act Against International Corruption (720013) 1	1	0	1	9
assignment is ambiguous				
Criminal offences according to § 1 of the EU Anti Corruption Act (720012) 1	0	0	0	0

1 Code of the Police Crime Statistics.

Source: Bundeskriminalamt (Federal Criminal Police Office), 2016; Polizeiliche Kriminalstatistik (Police Crime Statistics) 2015

Specification	2015
	Data in %
Share of population formed the impression during, that public service employees were susceptible to corruption	4.7
female	4.9
male	4.4
Share of enterprises formed the impression during, that public service employees were susceptible to corruption	3.6

Source:: in German: Statistisches Bundesamt, Zufriedenheitsbefragung

4. Further information

17 Partnerships for the goals

Development cooperation – *Supporting sustainable development*

17.1 Share of expenditure for official development assistance in gross national income

1. Definition

The indicator comprises public expenditure for development cooperation (Official Development Assistance or ODA) as a percentage of gross national income (GNI).

2. Data on the time series of the indicator

Specification	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	Share in %												
Share of expenditure for ODA in gross national income.....	0.31	0.27	0.36	0.36	0.37	0.38	0.35	0.39	0.39	0.37	0.38	0.42	0.52

3. Supplementary data

Specification	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	billions of euros												
Expenditure for official development assistance.....	5.5	5.5	8.1	8.3	9.0	9.7	8.7	9.8	10.1	10.1	10.7	12.5	16.2
Private development cooperation, which does not qualify as ODA....	0.8	0.9	1.2	1.1	0.9	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.2
Private direct investment.....	3.4	4.9	11.3	8.6	8.5	8.3	9.3	16.6	21.5	12.3	15.8	11.1	15.0
Gross national income 2.....	1,791.8	2,020.3	2,251.2	2,335.0	2,447.4	2,531.9	2,444.0	2,535.3	2,620.4	2,707.9	2,813.8	2,981.8	3,091.3
	%												
Official development assistance by sectors.....	—	—	100	100	100	100	100	100	100	100	100	100	...
Bilateral.....	—	—	73.9	67.4	64.7	64.8	58.8	62.0	61.7	66.3	66.4	70.0	...
Subsidies.....	—	—	81.8	72.6	65.8	67.2	55.9	53.3	53.2	64.1	59.5	56.8	...
Technical cooperation.....	—	—	28.4	29.9	28.7	29.9	37.4	34.5	33.3	38.6	35.8	31.5	...
Subsidies of financial cooperation.....	—	—	8.1	7.3	7.6	8.2	10.4	10.5	9.0	9.9	8.1	7.5	...
Development-oriented food aid.....	—	—	0.2	0.2	0.4	0.4	0.5	0.4	0.5	0.9	0.4	0.6	...
Emergency and refugee aid.....	—	—	3.3	3.4	2.3	2.2	3.1	2.6	3.0	3.0	4.0	5.3	...
Waivers of debt.....	—	—	38.7	28.9	24.4	23.5	1.2	1.3	3.2	6.6	4.2	5.0	...
Administrative expenses.....	—	—	2.0	2.2	2.1	2.1	2.4	3.0	3.1	3.8	3.9	3.6	...
Other.....	—	—	0.9	0.7	0.3	0.9	0.9	1.1	1.1	1.2	3.0	3.3	...
Loan/participation.....	—	—	-7.9	-5.2	-1.1	-2.4	2.9	8.8	8.6	2.3	6.9	13.2	...
Multilateral.....	—	—	26.1	32.6	35.3	35.2	41.2	38.0	38.3	33.7	33.6	30.0	...
Subsidies and payment by capital shares.....	—	—	26.1	32.6	35.3	35.2	41.2	38.0	38.3	33.7	33.6	30.0	...
United Nations.....	—	—	2.0	2.1	2.2	2.1	3.0	2.7	2.6	2.6	2.9	2.3	...
European Union.....	—	—	21.9	20.6	20.0	20.1	23.9	22.5	19.2	18.8	18.4	17.4	...
World Bank.....	—	—	0.0	5.7	8.9	8.1	8.5	5.9	10.1	6.1	6.2	4.5	...
Regional development banks.....	—	—	0.5	2.9	1.5	1.9	2.3	2.3	2.2	2.4	2.3	2.0	...
Other.....	—	—	1.8	1.3	2.7	2.9	3.5	4.5	4.1	3.7	3.8	3.9	...

Specification	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	billion of US-Dollar											
Donor countries with highest expenditure for ODA (ranking according 2014)												
USA.....	—	—	—	23.53	21.79	26.44	28.83	30.35	30.92	30.69	31.27	33.10
Great Britain.....	—	—	—	12.46	9.85	11.50	11.28	13.05	13.83	13.89	17.87	19.31
Germany.....	—	—	—	10.43	12.29	13.98	12.08	12.99	14.09	12.94	14.23	16.57
France.....	—	—	—	10.60	9.88	10.91	12.60	12.92	13.00	12.03	11.34	10.62
Japan.....	—	—	—	11.14	7.70	9.60	9.47	11.06	10.83	10.60	11.58	9.27
Sweden.....	—	—	—	3.95	4.34	4.73	4.55	4.53	5.60	5.24	5.83	6.23
Netherlands.....	—	—	—	5.45	6.22	6.99	6.43	6.36	6.34	5.52	5.44	5.57
Norway.....	—	—	—	2.95	3.73	4.01	4.08	4.37	4.76	4.75	5.58	5.09
Australia.....	—	—	—	2.12	2.67	2.95	2.76	3.83	4.98	5.40	4.85	4.38
Canada.....	—	—	—	3.68	4.08	4.79	4.00	5.21	5.46	5.65	4.95	4.24
	%											
Donor countries with highest shares of ODA in GNI (ranking according 2014)												
Sweden.....	—	—	—	1.02	0.93	0.98	1.12	0.97	1.02	0.97	1.01	1.09
Luxembourg.....	—	—	—	0.89	0.92	0.97	1.04	1.05	0.97	1.00	1.00	1.06
Norway.....	—	—	—	0.89	0.95	0.89	1.06	1.05	0.96	0.93	1.07	1.00
Denmark.....	—	—	—	0.80	0.81	0.82	0.88	0.91	0.85	0.83	0.85	0.86
Great Britain.....	—	—	—	0.51	0.36	0.43	0.51	0.57	0.56	0.56	0.70	0.70
Netherlands.....	—	—	—	0.81	0.81	0.80	0.82	0.81	0.75	0.71	0.67	0.64
Finland.....	—	—	—	0.40	0.39	0.44	0.54	0.55	0.53	0.53	0.54	0.60
Switzerland.....	—	—	—	0.38	0.37	0.42	0.44	0.39	0.46	0.47	0.46	0.50
Belgium.....	—	—	—	0.50	0.43	0.48	0.55	0.64	0.54	0.47	0.45	0.46
Germany.....	—	—	—	0.36	0.37	0.38	0.35	0.39	0.39	0.37	0.38	0.42

1 Preliminary results.

2 Therefore diverging from National Accounts results. Gross national income as of May of the following year.

Source: Statistisches Bundesamt, Statistik der Entwicklungszusammenarbeit (Statistics for development assistance)
Federal Ministry for Economic Cooperation and Development
Organisation for Economic Co-operation and Development (OECD)

4. Further information

in German: Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung: 14. Entwicklungspolitischer Bericht der Bundesregierung - Weißbuch zur Entwicklungspolitik, Mai 2013

in German: Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung: Medienhandbuch Entwicklungspolitik 2008/2009

OECD: Development Aid at a Glance, www.oecd.org

17 Partnerships for the goals

Knowledge transfer, especially in technical areas – *Sharing knowledge internationally*

17.2 Number of students and researchers from developing countries and LDCs per year

1. Definition

The indicator records the number of students and researchers from developing and emerging countries per year or semester. Here, the number of students and researchers from the least developed countries (LDCs) is listed separately.

2. Data on the time series of the indicator

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	Number in thousands										
Students and researchers from developing and emerging countries	132.636	136.879	131.878	136.641	142.877	149.354	158.651	170.706	185.888	200.349	215.258
Students from LDCs	4.953	5.006	4.926	5.327	5.735	6.295	6.924	7.576	8.348	9.244	9.746
Students from other developing and emerging countries	121.719	125.342	120.089	123.021	127.486	132.283	140.305	150.881	164.098	176.768	190.403
Researchers from LDCs	0.288	0.305	0.290	0.349	0.402	0.428	0.475	0.507	0.577	0.500	0.517
Researchers from other developing and emerging countries	5.676	6.226	6.573	7.944	9.254	10.348	10.947	11.742	12.865	13.837	14.592

3. Supplementary data

Specification	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹
	Number										
Students total	1,986,106	1,979,445	1,941,763	2,025,742	2,121,190	2,217,604	2,380,974	2,499,409	2,616,881	2,698,910	2,757,799
Students from developing countries total	126,672	130,348	125,015	128,348	133,221	138,578	147,229	158,457	172,446	186,012	200,149
including:											
China	27,390	27,117	25,479	24,746	24,414	24,443	25,521	27,364	30,511	32,460	34,643
India	3,988	3,780	3,527	3,516	4,070	5,038	5,998	7,532	9,619	11,860	13,740
Turkey	22,419	22,090	21,404	22,335	24,170	26,089	28,501	30,645	33,004	34,736	36,530
LDCs	4,953	5,006	4,926	5,327	5,735	6,295	6,924	7,576	8,348	9,244	9,746
Researchers total	240,186	248,938	260,064	274,769	301,042	324,367	337,102	353,690	369,847	381,269	387,410
Researchers from developing countries total	5,964	6,531	6,863	8,293	9,656	10,776	11,422	12,249	13,442	14,337	15,109

¹ Preliminary results.

Source: Statistisches Bundesamt, Hochschulstatistik (University statistics)

4. Further information

in German: Statistisches Bundesamt, Bildung und Kultur, Studierende an Hochschulen, Fachserie 11, Reihe 4.1

in German: Statistisches Bundesamt, Bildung und Kultur, Personal an Hochschulen, Fachserie 11, Reihe 4.4

17 Partnerships for the goals

Opening markets – *Improving trade opportunities for developing countries*

17.3 Share of imports from LDCs in total imports to Germany

1. Definition

The indicator specifies the share of imports from the least developed countries (LDCs) out of all imports to Germany, measured in euros.

2. Data on the time series of the indicator

Specification	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Share of total imports to Germany in %												
Imports from LDCs	0.44	0.52	0.52	0.44	0.49	0.52	0.46	0.58	0.53	0.67	0.62	0.71	0.71
Imports of processed products from LDCs	0.36	0.49	0.49	0.40	0.45	0.45	0.36	0.52	0.47	0.54	0.54	0.62	0.66

3. Supplementary data

Specification	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	millions of euros												
Total imports to Germany	518,532	534,534	575,448	628,087	733,994	769,887	805,842	664,615	797,097	902,523	899,405	890,393	910,145
Imports from LDCs	2,257	2,802	2,995	2,759	3,594	4,008	3,698	3,862	4,253	6,073	5,562	6,305	6,500
Bangladesh .....	.	.	.	.	.	.	.	.	.	.	.	.	3,810
Cambodia .....	.	.	.	.	.	.	.	.	.	.	.	.	958
Imports of processed products from LDCs	1,847	2,600	2,815	2,502	3,275	3,467	2,867	3,435	3,763	4,905	4,894	5,555	5,985
Imports from developing countries	70,899	73,831	84,623	104,178	126,572	140,169	152,010	128,375	167,832	187,126	185,309	179,468	185,601
Imports of processed products from developing countries	63,081	66,245	76,075	88,359	106,505	119,705	125,957	112,955	146,361	159,273	156,243	151,569	161,287
	Share of total imports to Germany in %												
Imports from developing countries	13.67	13.81	14.71	16.59	17.24	18.21	18.86	19.32	21.06	20.73	20.60	20.16	20.39
Imports of processed products from developing countries	12.17	12.39	13.22	14.07	14.51	15.55	15.63	17.00	18.36	17.65	17.37	17.02	17.72

Source: Statistisches Bundesamt (Federal Statistical Office), Außenhandelsstatistik (Foreign trade statistics)

4. Further information