

# SUSTAINABLE DEVELOPMENT IN GERMANY

Data relating to the Indicator Report 2014



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## Preliminary note

This publication "Data to the Indicator Report 2014" is a supplement to the Indicator Report 2014 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. In some cases, the data series are given from which an indicator is derived mathematically. 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. Sometimes further sources of information are listed apart from the data sources.

I. Intergenerational equity  
Resource conservation

## 1a, b Energy productivity, Primary energy consumption

### 1. Definition

1a: Energy productivity = gross domestic product / domestic primary energy consumption.

Energy productivity expresses how much gross domestic product (in euros adjusted for price changes) is generated per unit of primary energy used (in petajoules).

b: Domestic primary energy consumption is calculated from the sum of all primary energy sources generated domestically and all imported energy sources less energy exports (and excluding offshore bunkering). In terms of use, this is equivalent to total energy used for energy purposes (final energy consumption and own consumption by energy sectors) and for non-energy purposes (e. g. in the chemical industry), losses incurred through domestic energy conversion, losses from flaring and distribution as well as statistical differences reported in energy balance sheets.

### 2. Data on the time series of the indicator

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
		1990 = 100															
1	Primary energy consumption 1).....	100	95.7	96.6	98.5	96.8	98.0	97.9	97.7	99.5	95.2	96.5	90.8	95.4	91.2	91.0	93.3
2	Gross domestic product (GDP, price-adjusted).....	100	107.6	118.0	119.8	119.8	119.4	120.8	121.6	126.1	130.2	131.6	124.8	129.9	134.2	135.1	135.7
3	Energy productivity..... <i>Specification: (3)= (2) / (1) * 100</i>	100	112.4	122.2	121.7	123.8	121.9	123.4	124.5	126.7	136.7	136.4	137.5	136.1	147.1	148.4	145.4

### 3. Supplementary data

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
		petajoules															
4	Domestic primary energy consumption (domestic concept) 1) .....	14,905	14,269	14,401	14,679	14,427	14,600	14,591	14,558	14,837	14,197	14,380	13,531	14,217	13,599	13,571	13,908
5	Total final energy consumption 2).....	9,472	9,322	9,234	9,455	9,226	9,360	9,284	9,127	9,297	8,796	9,159	8,684	9,310	8,881	8,998	...
6	Households.....	2,383	2,655	2,584	2,822	2,689	2,750	2,634	2,591	2,622	2,259	2,558	2,478	2,676	2,333	2,431	...
7	Business, trade and services.....	1,733	1,579	1,478	1,571	1,544	1,465	1,452	1,437	1,535	1,308	1,443	1,374	1,483	1,346	1,397	...
8	Industry.....	2,977	2,474	2,421	2,365	2,322	2,545	2,581	2,514	2,525	2,628	2,587	2,291	2,592	2,634	2,599	...
9	Transport.....	2,378	2,614	2,751	2,697	2,672	2,601	2,616	2,586	2,614	2,601	2,571	2,541	2,559	2,568	2,571	...
10	Primary energy consumption (residents concept).....	.	14,198	14,285	14,585	14,353	14,517	14,510	14,560	14,804	14,203	14,471	13,627	14,499	13,844	...	...
11	All homogeneous branches.....	.	10,224	10,381	10,425	10,303	10,424	10,505	10,635	10,883	10,643	10,640	9,860	10,534	10,196	...	...
12	Private households (residents concept).....	.	3,974	3,904	4,160	4,050	4,094	4,006	3,924	3,920	3,560	3,831	3,767	3,966	3,648	...	...

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
1990 = 100																	
13	Domestic primary energy consumption (residents concept).....	100	95.7	96.6	98.5	96.8	98.0	97.9	97.7	99.5	95.2	96.5	90.8	95.4	91.2	91.0	93.3
14	Total final energy consumption.....	100	98.4	97.5	99.8	97.4	98.8	98.0	96.4	98.1	92.9	96.7	91.7	98.3	93.8	95.0	...
15	Households.....	100	111.4	108.4	118.4	112.8	115.4	110.5	108.7	110.0	94.8	107.3	104.0	112.3	97.9	102.0	...
16	Business, trade and services.....	100	91.1	85.2	90.6	89.1	84.5	83.8	82.9	88.6	75.5	83.2	79.3	85.5	77.7	80.6	...
17	Industry.....	100	83.1	81.3	79.5	78.0	85.5	86.7	84.4	84.8	88.3	86.9	77.0	87.1	88.5	87.3	...
18	Transport.....	100	109.9	115.7	113.4	112.3	109.3	110.0	108.7	109.9	109.4	108.1	106.8	107.6	108.0	108.1	...
percentage of total final energy consumption																	
19	Total final energy consumption.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	...
20	Households.....	25.2	28.5	28.0	29.8	29.1	29.4	28.4	28.4	28.2	25.7	27.9	28.5	28.7	26.3	27.0	...
21	Business, trade and services.....	18.3	16.9	16.0	16.6	16.7	15.7	15.6	15.7	16.5	14.9	15.8	15.8	15.9	15.2	15.5	...
22	Industry.....	31.4	26.5	26.2	25.0	25.2	27.2	27.8	27.5	27.2	29.9	28.2	26.4	27.8	29.7	28.9	...
23	Transport.....	25.1	28.0	29.8	28.5	29.0	27.8	28.2	28.3	28.1	29.6	28.1	29.3	27.5	28.9	28.6	...
1995 = 100																	
24	Primary energy consumption (residents concept).....	.	100	100.6	102.7	101.1	102.3	102.2	102.5	104.3	100.0	101.9	96.0	102.1	97.5	...	...
25	All homogeneous branches.....	.	100	101.5	102.0	100.8	102.0	102.7	104.0	106.5	104.1	104.1	96.4	103.0	99.7	...	...
26	Private households (residents concept).....	.	100	98.2	104.7	101.9	103.0	100.8	98.7	98.7	89.6	96.4	94.8	99.8	91.8	...	...

1) Figures published by Working Group on energy Balances (AGEB) in January 2014.

2) Figures published by Working Group on energy Balances (AGEB) in August 2013.

Source: Working Group on energy Balances (AGEB), Auswertungstabellen, from August 2013.

Statistisches Bundesamt (Federal Statistical Office), Umweltökonomische Gesamtrechnungen (Environmental-Economic Accounting), December 2013

Statistisches Bundesamt (Federal Statistical Office), Volkswirtschaftliche Gesamtrechnungen (National Accounts), February 2014, Fachserie 18, Reihe 1.2

#### 4. Further Information

In English: Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting ([www.destatis.de/EN/Publications/Specialized publications/Environmental-Economic Accounting/Tables on EEA](http://www.destatis.de/EN/Publications/Specialized%20publications/Environmental-Economic%20Accounting/Tables%20on%20EEA))

In German: Umweltnutzung und Wirtschaft, Bericht (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de/DE/Publikationen/Thematische%20Veroeffentlichungen/Umwelt/Umwelt%20oekonomische%20Gesamtrechnungen) unter Publikationen/Thematische Veröffentlichungen/Umwelt/Umweltökonomische Gesamtrechnungen)

In German: Umweltnutzung und Wirtschaft, Tabellen (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de/DE/Publikationen/Thematische%20Veroeffentlichungen/Umwelt/Umwelt%20oekonomische%20Gesamtrechnungen) unter Publikationen/Thematische Veröffentlichungen/Umwelt/Umweltökonomische Gesamtrechnungen)

I. Intergenerational equity  
Resource conservation

## 1c Raw material productivity

### 1. Definition

Raw material productivity = gross domestic product / domestic abiotic primary material.

Raw material productivity expresses how much gross domestic product (in euros, adjusted for price changes) is obtained per tonne of abiotic primary material used.

The (non-renewable) raw materials withdrawn from the domestic environment – not counting agricultural and forestry products – as well as all imported abiotic materials (raw materials, semi-finished and finished products) are considered to be abiotic primary material.

### 2. Data on the time series of the indicator

No.	Specification	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
1994 = 100																
1	Raw material productivity..... <i>Specification: (1)= (4) / (2)</i>	100	105.6	119.5	127.7	129.2	127.3	129.1	132.9	131.5	138.0	141.3	146.8	147.9	143.5	149.2
2	Raw material extraction and imports.....	100	96.3	93.3	88.6	87.6	88.6	88.4	86.4	90.5	89.2	88.0	80.4	83.0	88.4	85.6
3	Raw material extraction and imports (incl. indirect imports).....	-	-	93.3	90.6	86.1	89.4	89.6	91.3	97.5	96.4	94.8	81.7	93.9	95.6	...
4	Gross domestic product (GDP, price-adjusted).....	100	101.7	111.5	113.2	113.2	112.8	114.1	114.9	119.1	123.0	124.3	117.9	122.7	126.8	127.6

### 3. Supplementary data

No.	Specification	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
mn tonnes																
5	Withdrawal of raw materials and imports.....	1,500.4	1,444.3	1,399.6	1,329.5	1,314.3	1,329.1	1,325.7	1,296.5	1,358.6	1,337.8	1,319.9	1,205.8	1,244.6	1,325.7	1,283.8
6	Withdrawal of raw materials .....	1,107.9	1,051.1	959.7	902.9	882.8	875.7	854.8	827.6	861.1	841.4	821.5	773.3	765.8	827.0	796.9
7	Imports of raw materials and goods.....	392.5	393.3	439.9	426.6	431.5	453.5	470.9	468.9	497.5	496.5	498.4	432.5	478.8	498.7	486.9
8	Share of imports in the primary material use (%).....	26.2	27.2	31.4	32.1	32.8	34.1	35.5	36.2	36.6	37.1	37.8	35.9	38.5	37.6	37.9
9	Energy sources.....	514.5	499.3	489.0	495.2	505.8	523.8	529.3	526.1	531.4	522.1	519.0	489.2	496.7	511.5	520.8
10	Domestic extraction.....	278.0	265.5	220.7	222.4	227.9	225.5	226.9	220.9	215.7	219.0	209.1	199.1	196.1	202.1	208.7
11	Imports.....	236.5	233.8	268.3	272.8	277.9	298.3	302.4	305.2	315.7	303.0	310.0	290.1	300.6	309.5	312.0
12	Of which: energy sources.....	172.5	169.6	194.5	199.1	208.2	224.8	224.4	227.7	232.6	224.6	228.1	213.2	214.1	222.3	230.1
13	Semi-finished products out of energy sources.....	48.5	48.4	53.5	53.5	49.1	50.6	53.3	52.3	54.7	48.1	52.8	51.2	57.2	56.8	52.1
14	Finished products predominately from energy sources.....	15.5	15.9	20.3	20.1	20.6	22.9	24.7	25.2	28.4	30.3	29.1	25.6	29.3	30.5	29.8

No.	Specification	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
15	Ores and their products.....	87.3	90.5	107.5	99.3	101.2	103.4	117.3	113.0	128.5	138.3	134.0	93.1	123.4	130.3	121.9
16	Domestic extraction.....	0.1	0.1	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.5
17	Imports.....	87.2	90.4	107.0	98.8	100.8	103.0	116.8	112.6	128.1	137.8	133.5	92.8	123.0	129.8	121.5
18	Of which: Ores.....	47.0	47.3	51.9	44.5	48.6	43.1	51.2	47.0	49.6	52.3	51.2	33.6	47.8	47.1	44.4
19	Semi-finished products out of ores.....	9.6	9.7	13.0	12.8	12.5	14.7	17.4	17.2	19.4	21.1	20.2	13.3	18.0	20.2	18.1
20	Finished products mostly out of ores.....	30.6	33.5	42.1	41.5	39.8	45.2	48.2	48.4	59.1	64.4	62.2	45.9	57.2	62.5	59.0
21	Construction minerals.....	796.2	756.2	707.2	644.1	616.0	609.3	583.8	562.3	599.5	579.6	571.7	534.4	523.0	580.4	545.6
22	Domestic extraction.....	765.9	727.0	679.2	621.8	595.4	590.7	565.7	543.8	580.8	559.8	552.1	516.2	505.2	560.2	528.3
23	Imports.....	30.3	29.2	28.0	22.4	20.6	18.6	18.0	18.5	18.8	19.8	19.6	18.2	17.8	20.2	17.3
24	Of which: construction minerals.....	27.9	26.7	24.8	20.0	18.6	16.4	16.0	16.3	16.3	17.2	17.3	16.2	15.8	17.9	15.1
25	Semi-finished products out of construction minerals.....	2.0	2.0	2.8	1.8	1.5	1.6	1.5	1.6	1.7	1.8	1.6	1.4	1.2	1.3	1.4
26	Finished products mostly out of construction minerals.....	0.4	0.5	0.5	0.5	0.4	0.5	0.6	0.6	0.7	0.8	0.7	0.7	0.8	1.0	0.8
27	Industrial minerals.....	102.4	98.3	95.9	91.0	91.3	92.6	95.4	95.2	99.2	97.9	95.2	89.1	101.5	103.4	95.5
28	Domestic extraction.....	63.9	58.5	59.3	58.3	59.1	59.0	61.8	62.6	64.2	62.1	59.9	57.6	64.2	64.2	59.5
29	Imports.....	38.5	39.8	36.6	32.7	32.2	33.6	33.6	32.6	35.0	35.8	35.3	31.5	37.3	39.2	36.0
30	Of which: industrial minerals.....	7.8	8.8	9.4	8.5	9.6	9.7	9.5	9.2	10.2	10.6	9.6	7.6	9.8	11.1	9.3
31	Semi-finished products out of industrial minerals.....	25.9	26.3	20.2	17.9	15.9	16.4	16.1	15.3	15.8	15.6	15.6	15.1	17.4	17.8	17.0
32	Finished products mostly out of industrial minerals.....	4.8	4.8	7.0	6.4	6.6	7.5	7.9	8.1	8.9	9.6	10.1	8.8	10.1	10.3	9.8
1994 = 100																
33	Withdrawal of raw materials.....	100	94.9	86.6	81.5	79.7	79.0	77.2	74.7	77.7	75.9	74.1	69.8	69.1	74.6	71.9
34	Imports of raw materials and goods.....	100	100.2	112.1	108.7	109.9	115.5	120.0	119.5	126.8	126.5	127.0	110.2	122.0	127.1	124.0
35	Withdrawal of raw materials and imports of Energy sources.....	100	97.1	95.0	96.2	98.3	101.8	102.9	102.3	103.3	101.5	100.9	95.1	96.5	99.4	101.2
36	Ores and their products.....	100	103.7	123.1	113.7	115.9	118.4	134.3	129.4	147.2	158.4	153.5	106.6	141.3	149.2	139.6
37	Construction minerals.....	100	95.0	88.8	80.9	77.4	76.5	73.3	70.6	75.3	72.8	71.8	67.1	65.7	72.9	68.5
38	Industrial minerals.....	100	96.0	93.7	88.9	89.2	90.5	93.2	93.0	96.9	95.6	93.0	87.0	99.2	101.0	93.3

1) Preliminary results.

Source: Statistisches Bundesamt (Federal Statistical Office), Umweltökonomische Gesamtrechnungen (Environmental-Economic Accounting), December 2013  
Der Bergbau in der Bundesrepublik Deutschland - Bergwirtschaft und Statistik, Hrsg.: Bundesministerium für Wirtschaft und Energie ([www.bmwi.de](http://www.bmwi.de))

#### 4. Further Information

In English: Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting ([www.destatis.de/EN/Publications/Specialized publications/Environmental-Economic Accounting/Tables on EEA](http://www.destatis.de/EN/Publications/Specialized%20publications/Environmental-Economic%20Accounting/Tables%20on%20EEA))

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## 2 Greenhouse gas emissions

### 1. Definition

Emissions of the following greenhouse gases (substances or substance groups) compliant with the Kyoto Protocol (excluding emissions from land use changes and forestry [LULUCF] and excluding emissions from the energy utilisation of biomass): carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), partly halogenated hydrofluorocarbons (HFC), perfluorocarbons (PFC) and sulphur hexafluoride (SF<sub>6</sub>). The base year is 1990 for CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O and 1995 for HFC, PFC, and SF<sub>6</sub>. Calculations are based on the database Zentrales System Emissionen (Central System of Emissions – ZSE) of the Federal Environment Agency taking additional statistical energy information into account. Indicators are calculated in accordance with the territorial principle (emissions on German territory, in other words including foreign companies located in Germany and excluding emissions from German companies located abroad).

### 2. Data on the time series of the indicator

No.	Specification	Base year <sup>1)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		Base year = 100 <sup>1)</sup>															
1	Greenhouse gas emissions.....	100	99,7	89,3	83,1	84,3	82,6	82,5	81,5	79,5	80,1	78,0	78,3	72,9	75,6	74,2	75,0

### 3. Supplementary data

No.	Specification	Basisjahr <sup>1)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		mn tonnes CO <sub>2</sub> equivalents															
2	Greenhouse gas emissions.....	1.252,2	1.248,5	1.118,0	1.040,8	1.055,6	1.034,4	1.032,7	1.020,2	994,9	1.002,8	977,0	980,2	913,1	946,9	929,2	939,6
3	CO <sub>2</sub> .....	1.042,2	1.042,1	930,9	891,5	907,5	890,9	893,6	881,7	861,7	873,2	848,5	851,1	785,6	829,4	810,4	821,7
4	Other (CH <sub>4</sub> ,N <sub>2</sub> O,H-FKW, SF <sub>6</sub> ) .....	210,1	206,4	187,1	149,3	148,0	143,5	139,1	138,5	133,1	129,6	128,5	129,1	127,5	117,5	118,7	117,9
5	Including: CH <sub>4</sub> .....	108,8	108,8	91,9	75,1	72,3	69,2	66,5	62,2	59,3	56,6	53,9	53,2	51,1	50,1	48,7	48,7
6	N <sub>2</sub> O .....	85,7	85,7	79,6	61,7	62,7	61,4	60,3	63,7	61,2	60,4	62,1	63,6	63,6	55,0	57,3	56,3
7	HFCs .....	7,0	4,6	7,0	7,4	8,4	8,8	8,2	8,3	8,4	8,6	8,7	8,8	9,3	8,9	9,2	9,3
8	PFCs .....	1,8	2,6	1,8	0,8	0,8	0,8	0,9	0,8	0,7	0,6	0,5	0,5	0,4	0,3	0,2	0,2
9	SF <sub>6</sub> .....	6,8	4,6	6,8	4,3	3,9	3,2	3,2	3,4	3,5	3,4	3,3	3,1	3,1	3,2	3,3	3,3
		in percent															
10	Share CO <sub>2</sub> .....	83,2	83,5	83,3	85,7	86,0	86,1	86,5	86,4	86,6	87,1	86,9	86,8	86,0	87,6	87,2	87,5

No.	Specification	Basisjahr <sup>1)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Base year = 100 <sup>1)</sup>																	
11	Greenhouse gas emissions.....	100	99,7	89,3	83,1	84,3	82,6	82,5	81,5	79,5	80,1	78,0	78,3	72,9	75,6	74,2	75,0
12	CO2 .....	100	100	89,3	85,5	87,1	85,5	85,7	84,6	82,7	83,8	81,4	81,7	75,4	79,6	77,8	78,8
13	Other (CH <sub>4</sub> ,N <sub>2</sub> O,H-FKW, SF <sub>6</sub> ) .....	100	98,2	89,1	71,0	70,5	68,3	66,2	65,9	63,4	61,7	61,1	61,5	60,7	55,9	56,5	56,1
14	Including: CH <sub>4</sub> .....	100	100	84,5	69,0	66,4	63,6	61,1	57,2	54,5	52,0	49,5	48,9	47,0	46,0	44,8	44,8
15	N <sub>2</sub> O .....	100	100	92,9	71,9	73,2	71,6	70,4	74,3	71,4	70,5	72,5	74,2	74,2	64,2	66,9	65,7
16	HFCs .....	100	65,5	100	106,0	119,3	126,1	117,0	118,4	120,5	122,8	123,5	125,3	132,8	126,7	130,6	133,4
17	PFCs .....	100	146,7	100	45,9	42,2	45,8	49,1	47,3	40,5	32,3	28,5	27,7	20,0	16,9	13,5	11,7
18	SF <sub>6</sub> .....	100	68,5	100	63,0	58,0	47,7	46,9	50,2	51,3	50,1	49,2	45,9	45,2	47,1	48,9	48,8

1) Base year is 1990 for CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O and 1995 for HFC, PFC, SF<sub>6</sub>.

Source: Umweltbundesamt (Federal Environment Agency), Nationale Trendtabellen für die deutsche Berichterstattung atmosphärischer Emissionen, Stand: 15.01.2014

#### 4. Further Information

United Nations Framework Convention on Climate Change UNFCCC

European Environment Agency: Annual European Union Greenhouse Gas inventory 1990-2012 and inventory report 2014. Submission to the UNFCCC Secretariat, April 2014

Umweltbundesamt (Federal Environment Agency), Nationale Inventarberichte

In English: Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting ([www.destatis.de/EN/Publications/Specialized publications/Environmental-Economic Accounting/Tables on EEA](http://www.destatis.de/EN/Publications/Specialized%20publications/Environmental-Economic%20Accounting/Tables%20on%20EEA))

In German: Umweltnutzung und Wirtschaft, Bericht (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

In German: Umweltnutzung und Wirtschaft, Tabellen (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

I. Intergenerational equity  
Renewable energy sources

### 3a Share of renewable energy sources in final energy consumption

#### b Share of renewable energy sources in electricity consumption

##### 1. Definition

3a: Share of renewable energy sources in total final energy consumption. Renewables include, among others, hydropower, wind power on land and at sea, solar energy and geothermal energy, but also biomass such as biogenic solid fuels, biogas and biogenic wastes. Final energy is generated subject to energy loss through conversion from primary energy (see Indicator 1b) and is directly available to the consumer.

b: Share of electricity from renewable energy sources (see Indicator 3a) in (gross) electricity consumption (comprising net electricity supply of the country, exchange balance with other countries, own electricity consumption of power plants and grid losses).

##### 2. Data on the time series of the indicator

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 <sup>1)</sup>
		in percent															
1	Share of final energy consumption.....	1.9	2.2	3.8	4.1	4.5	5.1	5.9	6.9	7.9	9.6	8.9	9.9	10.4	11.5	12.3	12.3
2	Share of (gross) electricity consumption.....	3.4	4.7	6.2	6.6	7.7	7.6	9.3	10.2	11.6	14.2	15.1	16.3	17.0	20.4	23.6	25.4

### 3. Supplementary data

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 <sup>1)</sup>
3	Share of primary energy consumption 2).....	1.3	1.9	2.9	2.9	3.2	3.8	4.5	5.3	6.3	7.9	8.0	8.9	9.9	10.9	11.6	...
		in percent															
		gigawatt-hours															
4	Electricity production renewable energies.....	18,933	25,297	36,036	38,532	45,120	45,589	56,632	62,503	71,638	88,321	93,247	94,859	104,810	123,775	143,463	152,560
5	Hydropower 3).....	17,426	21,780	21,732	22,733	23,124	17,722	20,095	19,638	20,008	21,170	20,443	19,031	20,953	17,671	21,755	21,220
6	Windpower.....	71	1,500	9,513	10,509	15,786	18,713	25,509	27,229	30,710	39,713	40,574	38,610	37,619	48,315	49,948	53,400
7	Windpower at sea.....	–	–	–	–	–	–	–	–	–	–	–	38	174	568	722	– <sup>5)</sup>
8	Biomass 4).....	1,435	2,010	4,731	5,214	6,048	8,841	10,471	14,354	18,700	24,363	27,792	30,578	34,307	37,603	44,633	47,900
9	Photovoltaic.....	1	7	60	76	162	313	557	1,282	2,220	3,075	4,420	6,583	11,729	19,599	26,380	30,000
10	Geothermal energy.....	–	–	–	–	–	–	–	–	–	–	18	19	28	19	25	40

1) Preliminary results, from February 2014.

2) Based on efficiency method.

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

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

5) In 2013 data of wind energy at sea in position wind energy included.

Source: Federal Ministry for Economic Affairs and Energy (editor): Renewable Energies 2013, from February 2014

Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW) (Centre for Solar Energy and Hydrogen Research Baden-Württemberg)

Working Group on Renewable Energies-Statistics (AGEE-Stat)

### 4. Further Information

Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety

<http://www.erneuerbare-energien.de/>

Federal Ministry for Economic Affairs and Energy

<http://www.bmwi.de/DE/Themen/energie.html>

## I. Intergenerational equity

## Land use

**4 Built-up area and transport infrastructure expansion****1. Definition**

Average daily built-up area and transport infrastructure expansion. Determination by the division of the built-up area and transport infrastructure expansion (in hectares) in a defined period of time one year or four years) by the number of days (365/366 or 1,461). The moving four-year average is determined in each case by the development of this area in the relevant year and the preceding three years. The data for one year is currently influenced by external effects (the public land survey registers are being reorganised), so that the moving four-year average gives a better picture.

**2. Data on the time series of the indicator**

No.	Specification	1992	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		hectare per day														
1	<b>Built-up area and transport infrastructure expansion (moving four-year average).....</b>	.	120 <sup>1)</sup>	129	128	123	115	115	114	113	113	104	94	87	81	74
2	Built-up area and transport infrastructure expansion.....	.	120 <sup>1)</sup>	131	121	110	99	131	118	106	97	95	78	77	74	69
	of which:															
3	Building and adjacent open land, commercial/industrial land 2).....	.	87 <sup>1)</sup>	87	70	66	45	60	35	30	40	35	28	33	30	40
4	Recreational land, cemetery.....	.	9 <sup>1)</sup>	21	29	21	34	46	57	52	33	39	32	23	27	18
5	Transport land.....	.	24 <sup>1)</sup>	24	23	22	20	25	25	24	24	21	18	21	17	11

**3. Supplementary data**

lfd. Nr.	Gegenstand der Nachweisung	1992	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		km <sup>2</sup>														
6	Built-up area and transport land 3).....	40,305	42,052	43,939	44,381	44,780	45,141	45,621	46,050	46,436	46,789	47,137	47,422	47,702	47,971	48,225
7	Of which: built-up area.....	23,864	25,267	26,821	27,181	27,498	27,785	28,175	28,513	28,810	29,074	29,347	29,566	29,771	29,978	30,192
8	Of which: building and adjacent open land, commercial/industrial land 2).....	21,283	22,557	23,813	24,068	24,308	24,472	24,692	24,822	24,930	25,075	25,204	25,305	25,426	25,534	25,680
9	Recreational land, cemetery.....	2,581	2,709	3,008	3,113	3,190	3,313	3,483	3,691	3,881	3,999	4,144	4,261	4,346	4,445	4,512
10	Transport land.....	16,441	16,786	17,118	17,200	17,282	17,356	17,446	17,538	17,626	17,715	17,790	17,856	17,931	17,993	18,032
		1992 = 100														
11	Built-up area and transport land.....	100	104.3	109.0	110.1	111.1	112.0	113.2	114.3	115.2	116.1	117.0	117.7	118.4	119.0	119.6
12	Of which: built-up area.....	100	105.9	112.4	113.9	115.2	116.4	118.1	119.5	120.7	121.8	123.0	123.9	124.8	125.6	126.5
13	Of which: building and adjacent open land, commercial/industrial land 2).....	100	106.0	111.9	113.1	114.2	115.0	116.0	116.6	117.1	117.8	118.4	118.9	119.5	120.0	120.7
14	Recreational land, cemetery.....	100	105.0	116.5	120.6	123.6	128.3	134.9	143.0	150.3	154.9	160.5	165.1	168.4	172.2	174.8
15	Transport land.....	100	102.1	104.1	104.6	105.1	105.6	106.1	106.7	107.2	107.7	108.2	108.6	109.1	109.4	109.7

lfd. Nr.	Gegenstand der Nachweisung	1992	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Euro bn																
16	Building investment (price-adjusted, chained absolut value).....	244.0	254.4	244.3	233.6	220.1	214.8	206.0	198.9	209.5	208.8	207.4	200.8	207.2	223.5	220.5
bn km																
17	Vehicle mileage of the road 4).....	592.60	630.89	670.96	684.59	695.40	691.17	704.95	691.28	695.87	699.64	696.48	703.50	710.02	724.95	...
Base year = 100																
18	Building investment (2005 = 100) (price-adjusted, chained absolut value).....	122.7	127.9	122.8	117.4	110.7	108.0	103.6	100.0	105.3	105.0	104.3	100.9	104.2	112.3	110.8
19	Vehicle mileage of the road (1992 = 100).....	100.0	106.5	113.2	115.5	117.3	116.6	119.0	116.7	117.4	118.1	117.5	118.7	119.8	122.3	...

1) 1993 - 1996.

2) Except mining land.

3) The reference data is 31.12.

4) Mileages according the territory concept (mileages of residents and of non-residents on the territory)

Source: Statistisches Bundesamt (Federal Statistical Office): Area survey, Environmental-Economic Accounting, National Accounts  
Umweltbundesamt (Federal Environment Agency): Datenbank TREMOD (Transport Emission Model) 2013

#### 4. Further Information

In English: Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting ([www.destatis.de](http://www.destatis.de/EN/Publications/Specialized%20publications/Environmental-Economic%20Accounting/Tables%20on%20EEA)\EN\Publications\Specialized publications\Environmental-Economic Accounting\Tables on EEA)

In German: Umweltnutzung und Wirtschaft, Bericht (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

In German: Umweltnutzung und Wirtschaft, Tabellen (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

I. Intergenerational equity  
Species diversity

5 Species diversity and landscape quality

1. Definition

With reference to the projected target value of 100 that is to be reached by 2015, the indicator shows the state of development for 51 selected bird species in the form of an index (measured in % of target value, degree of target achievement). The bird species represent the most important landscape and ecosystem types in Germany (10 species each for the sub-indicators agricultural land, settlements, inland waters, coasts and seas, 11 species for forests; temporarily excluding the Alps due to the unreliable data basis). The stock per species is calculated annually from the results of bird monitoring programmes and related to the size of the defined target value. The results of the spatially representative and statistically reliable monitoring of common breeding species started in 2004 is incorporated in the calculations. More than 1,400 sample areas were recorded in 2011. The historical values for 1970 and 1975 in comparison, have been reconstructed. The indicator is also adopted for the National Strategy on Biological Diversity.

2. Data on the time series of the indicator \*)

No.	Specification	1970 <sup>1)</sup>	1975 <sup>1)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
		Index 2015 = 100															
1	Total index .....	107	101	77	73	72	71	70	70	72	72	70	71	71	67	68	63
2	Sub-index forests.....	77	79	82	71	73	75	74	79	79	80	78	76	82	73	79	76
3	Sub-index housing area.....	100	102	81	75	70	70	63	59	66	67	65	67	64	64	66	68
4	Sub-index farmland.....	129	117	74	74	72	69	69	68	71	69	68	68	66	65	62	56
5	Sub-index inland waters 2).....	83	80	64	67	67	74	67	67	72	70	63	72	75	71	68	68

3. Supplementary data

No.	Specification	1970 <sup>1)</sup>	1975 <sup>1)</sup>	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
		2015 = 100															
6	Sub-index coast and sea 2).....	77	81	78	85	77	81	72	68	63	64	63	66	55	60	60	61

\*) All time series have been recalculated backwards. The total index for the time series is presently calculated without the sub-index for the Alps.  
1) The historical values for 1970 and 1975 have been reconstructed.  
2) For some bird species in the habitats of inland water and coasts and seas, values for individual years have been extrapolated.

Source: Bundesamt für Naturschutz (Federal Agency for Nature Conservation) (BfN) 2014

4. Further Information

in German: Bundesamt für Naturschutz, [www.bfn.de](http://www.bfn.de)  
in German: Dachverband Deutscher Avifaunisten, [www.dda-web.de](http://www.dda-web.de) (Monitoring der häufigen Brutvögel)  
in German: Bundesministerium für Umwelt, Naturschutz, Bau und Reaktorsicherheit BMUB, [www.bmub.de](http://www.bmub.de)

## I. Intergenerational equity

## Government debt

**6a, b General government deficit, Structural deficit****1. Definition**

6a: Annual national deficit (or national financing balance), calculated from national revenue less national expenditure (by the Federal Government, *the Länder*, municipalities and social security funds), itemised under national accounts as a percentage of the nominal gross domestic product. Proceeds from UMTS auctions in the year 2000 are not included.

b: Annual structural deficit as a percentage of gross domestic product. This is the part of the annual national deficit which cannot be attributed to economic fluctuations and temporary effects. The principle of the structurally balanced budget (debt brake) is laid down in German Basic Law (*Grundgesetz*) (Articles 109 and 115) and relates to the European Stability and Growth Pact.

**2. Data on the time series of the indicator**

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2013 <sup>1)</sup>
in percent																	
1	General government deficit in % of GDP..... <i>Specification: (1)= ((4) * 100 / (5))*-1</i>	2.9	3.0	1.3	3.1	3.8	4.2	3.8	3.3	1.7	-0.2	0.1	3.1	4.2	0.8	-0.1	0.0
2	Structural deficit in % of GDP.....	–	–	–	–	–	–	–	2.1	1.7	0.9	0.7	0.6	2.2	1.0	-0.2	-0.7
3	Economic growth (in % to previous year).....	–	1.7	3.1	1.5	0.0	-0.4	1.2	0.7	3.7	3.3	1.1	-5.1	4.0	3.3	0.7	0.4
Euro bn																	
4	Net lending / net borrowing, adjusted 2).....	-43.9	-55.8	-26.8	-64.8	-82.0	-89.1	-82.6	-74.1	-38.2	5.5	-1.8	-73.6	-104.3	-21.5	2.3	0.3
5	Gross domestic product (GDP) 3).....	1,534.6	1,848.5	2,047.5	2,101.9	2,132.2	2,147.5	2,195.7	2,224.4	2,313.9	2,428.5	2,473.8	2,374.2	2,495.0	2,609.9	2,666.4	2,737.6

**3. Supplementary data <sup>4)</sup>**

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2013 <sup>1)</sup>
Euro bn																	
6	Revenue..... including:	665.84	838.69	946.64	936.01	940.32	951.58	951.04	969.33	1,011.05	1,062.30	1,088.62	1,072.69	1,089.83	1,157.20	1,193.75	1,223.39
7	Rates.....	596.31	748.42	861.70	845.82	849.75	860.76	861.45	872.84	913.39	959.32	980.89	958.89	971.11	1,029.77	1,066.61	1,095.47
8	Taxes.....	337.85	405.58	480.81	459.58	458.12	463.50	463.99	475.70	512.66	558.38	572.56	548.13	549.88	592.80	617.71	636.41
9	Social contributions.....	258.46	342.84	380.89	386.24	391.63	397.26	397.46	397.14	400.73	400.94	408.33	410.76	421.23	436.97	448.90	459.06



No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2013 <sup>1)</sup>
10	Expenditure.....	709.69	1,014.05	923.36	1,000.78	1,022.33	1,040.72	1,033.60	1,043.45	1,049.29	1,056.76	1,090.46	1,146.27	1,194.13	1,178.65	1,191.49	1,223.13
	including:																
11	Intermediate consumption.....	65.49	73.45	80.39	84.12	86.95	87.65	88.99	92.84	96.28	99.72	107.95	115.84	121.68	126.50	130.92	...
12	Compensation of employees.....	135.10	162.60	169.81	171.77	175.05	176.69	177.04	176.75	177.20	178.23	182.60	190.95	195.73	199.45	203.82	343.53
13	Social benefits other than social transfer in kind....	235.59	326.29	368.90	382.72	397.69	408.74	410.83	412.30	408.98	401.16	404.44	426.63	430.22	425.76	430.28	440.08
14	Social benefits in kind.....	98.97	136.05	152.83	157.72	162.68	166.73	163.47	167.36	171.60	178.28	185.83	196.92	203.01	207.47	213.10	223.85
15	Gross capital formation.....	39.90	39.99	38.35	38.93	37.83	35.23	32.57	31.42	33.73	35.99	38.85	41.63	41.56	43.61	41.35	...
16	Net lending / net borrowing (6-10).....	-43.85	-175.36	23.28	-64.77	-82.01	-89.14	-82.56	-74.12	-38.24	5.54	-1.84	-73.58	-104.30	-21.45	2.26	0.26
	in % of gross domestic product																
17	Revenue.....	43.4	45.4	46.2	44.5	44.1	44.3	43.3	43.6	43.7	43.7	44.0	45.2	43.7	44.3	44.8	44.7
	including:																
18	Rates.....	38.9	40.5	42.1	40.2	39.9	40.1	39.2	39.2	39.5	39.5	39.7	40.4	38.9	39.5	40.0	40.0
19	Taxes.....	22.0	21.9	23.5	21.9	21.5	21.6	21.1	21.4	22.2	23.0	23.1	23.1	22.0	22.7	23.2	23.2
20	Social contributions.....	16.8	18.5	18.6	18.4	18.4	18.5	18.1	17.9	17.3	16.5	16.5	17.3	16.9	16.7	16.8	16.8
21	Expenditure.....	46.2	54.9	45.1	47.6	47.9	48.5	47.1	46.9	45.3	43.5	44.1	48.3	47.9	45.2	44.7	44.7
	including:																
22	Intermediate consumption.....	4.3	4.0	3.9	4.0	4.1	4.1	4.1	4.2	4.2	4.1	4.4	4.9	4.9	4.8	4.9	...
23	Compensation of employees.....	8.8	8.8	8.3	8.2	8.2	8.2	8.1	7.9	7.7	7.3	7.4	8.0	7.8	7.6	7.6	12.5
24	Social benefits other than social transfer in kind....	15.4	17.7	18.0	18.2	18.7	19.0	18.7	18.5	17.7	16.5	16.3	18.0	17.2	16.3	16.1	16.1
25	Social benefits in kind.....	6.4	7.4	7.5	7.5	7.6	7.8	7.4	7.5	7.4	7.3	7.5	8.3	8.1	7.9	8.0	8.2
26	Gross capital formation.....	2.6	2.2	1.9	1.9	1.8	1.6	1.5	1.4	1.5	1.5	1.6	1.8	1.7	1.7	1.6	...

1) Preliminary results. Fachserie 18, Reihe 1.4, March 2014.

2) 1995: excluding aquisition of debts from the former "Treuhand", 2000: excluding revenues from the sale of UMTS licenses at auction; deficit not-adjusted: 1995: -255,4 Euro bn; 2000: 23,3 Euro bn.

3) At current prices.

4) With reference to the unadjusted balance of net lending / not borrowing according ESA 1995.

Source: Statistisches Bundesamt (Federal Statistical Office), 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, Stand März 2014, not published)

#### 4. Further Information

Statistisches Bundesamt (Federal Statistical Office), Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4

## I. Intergenerational equity

## Government debt

## 6c Government debt

## 1. Definition

The national debt level as defined in the Maastricht Treaty as a measure of government debt in relation to the nominal gross domestic product.

## 2. Data on the time series of the indicator

No.	Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013
in percentage terms													
1	Debt ratio..... <i>Specification: (1)= (2) * 100 / (3)</i>	39.5	55.6	60.2	68.6	68.0	65.2	66.8	74.6	82.5	80.0	81.0	78.4
Euro mn													
2	Government debt (Maastricht) 1).....	606,597	1,027,705	1,232,252	1,524,867	1,573,937	1,583,745	1,652,796	1,770,658	2,059,174	2,087,747	2,160,951	2,147,028
3	Gross domestic product (at current prices) 2).....	1,534,600	1,848,500	2,047,500	2,224,400	2,313,900	2,428,500	2,473,800	2,374,200	2,495,000	2,609,900	2,666,400	2,737,600

## 3. Supplementary data

No.	Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013
Euro mn													
4	General government (consolidated).....	606,597	1,027,705	1,232,252	1,524,867	1,573,937	1,583,745	1,652,796	1,770,658	2,059,174	2,087,747	2,160,951	2,147,028
5	Central government.....	–	–	780,787	923,335	959,395	967,278	997,742	1,067,136	1,305,139	1,313,111	1,358,398	1,361,465
6	State government.....	–	–	345,808	476,942	488,642	492,474	531,343	573,114	620,639	637,069	661,711	645,161
7	Lokal government.....	–	–	104,231	122,351	124,964	123,324	123,509	129,615	134,683	138,979	142,332	143,097
8	Social security funds.....	–	–	1,426	2,239	936	669	202	793	-1,286	-1,412	-1,490	-2,695
9	Total (unconsolidated).....	–	–	1,251,673	1,542,633	1,591,345	1,600,871	1,669,517	1,786,543	2,076,952	2,105,406	2,177,818	2,164,791
Thousand													
10	Population 2).....	79,984	81,661	82,188	82,464	82,366	82,263	82,120	81,875	81,757	81,779	81,917	82,098
1,000 euro													
11	Debt per capita.....	7,584	12,585	14,993	18,491	19,109	19,252	20,127	21,626	25,187	25,529	26,380	26,152

1) Source: Deutsche Bundesbank (Wirtschaftsdaten; Schuldenstand nach Maastricht-Abgrenzung), Stand April 2014

[www.bundesbank.de/statistik/statistik\\_zeitreihen](http://www.bundesbank.de/statistik/statistik_zeitreihen)

2) Source: Statistisches Bundesamt (Federal Statistical Office), National Accounts: Fachserie 18 Inlandsproduktsberechnung, Reihe 1.2, Vierteljahresergebnisse 2013.

## 4. Further Information

I. Intergenerational equity  
 Provision for future economic stability

## 7 Gross fixed capital formation in relation to GDP

### 1. Definition

Gross fixed capital formation (at current prices) in relation to the nominal gross domestic product (GDP) also referred to as investment ratio.

This includes investments in buildings (residential buildings, non-residential buildings), equipment (machinery, vehicles, tools) and other assets (intangible assets, such as software and copyrights, property transfer costs, production livestock).

### 2. Data on the time series of the indicator

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2013 <sup>1)</sup>
		in percentage terms															
1	Rate of investment in % of GDP..... <i>Specification: (1)= (2) / (3) * 100</i>	23.2	21.9	21.5	20.1	18.4	17.8	17.4	17.3	18.1	18.4	18.6	17.2	17.4	18.1	17.6	17.2
		Euro bn															
2	Gross fixed capital formation (nominal) 2).....	356.8	405.0	439.6	421.7	391.8	382.0	381.8	384.5	417.8	447.9	459.5	408.7	435.1	473.2	470.6	472.2
3	Gross domestic product (GDP, nominal) 2).....	1,534.6	1,848.5	2,047.5	2,101.9	2,132.2	2,147.5	2,195.7	2,224.4	2,313.9	2,428.5	2,473.8	2,374.2	2,495.0	2,609.9	2,666.4	2,737.6

### 3. Supplementary data

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2013 <sup>1)</sup>
	Gross fixed capital formation by product (price-adjusted, chained values) 2)	Euro bn															
4	Gross fixed capital formation .....	365.4	380.7	442.4	412.2	387.0	382.4	381.5	384.5	416.1	435.8	441.4	389.9	412.2	440.5	431.3	428.4
5	Machinery and equipment.....	134.3	112.5	176.7	158.1	146.1	146.2	152.7	161.2	180.0	198.9	204.6	158.2	174.0	184.0	176.6	172.3
6	Machinery.....	93.8	82.0	132.5	118.2	109.3	105.4	107.4	113.2	125.2	141.1	148.9	116.2	121.4	134.3	134.3	...
7	Transport equipment.....	42.2	30.3	44.2	39.4	36.3	40.7	45.2	47.9	54.8	57.9	56.1	42.4	52.4	50.1	43.3	...
8	Construction.....	221.0	261.5	241.9	233.6	220.1	214.8	206.0	198.9	209.5	208.8	207.4	200.8	207.2	223.5	220.5	220.7
9	Dwellings.....	112.0	144.0	140.9	133.8	125.8	123.2	119.1	114.0	120.8	118.7	114.5	111.6	116.7	127.2	128.5	129.5
10	Other buildings and structures.....	108.9	117.5	100.9	99.8	94.4	91.6	86.9	85.0	88.7	90.1	92.9	89.3	90.5	96.3	92.0	91.2
11	Building construction.....	73.2	78.1	64.2	64.6	60.0	56.9	53.7	52.5	55.1	57.1	60.1	58.0	58.8	62.6	59.6	58.9
12	Civil engineering.....	36.0	39.5	36.8	35.3	34.4	34.7	33.2	32.5	33.6	33.0	32.8	31.3	31.8	33.7	32.3	32.3
13	Other products 3) .....	9.9	13.3	23.9	21.3	21.5	21.9	23.0	24.4	26.5	28.5	30.2	29.3	30.0	31.6	32.7	33.6

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2013 <sup>1)</sup>
	Gross fixed capital formation by industry – new attachment – (price-adjusted, chained values)	Euro bn															
14	Agriculture and forestry, fishing .....	7.5	6.3	6.5	6.8	6.5	5.9	5.9	6.9	7.7	8.2	9.3	7.5	7.1	8.5	8.0	...
15	Industry .....	102.6	87.4	87.1	86.8	79.7	77.8	78.1	74.8	92.7	101.3	91.9	77.0	78.9	86.7	84.3	...
16	Services .....	265.0	296.9	343.8	331.9	314.7	311.5	311.3	316.5	373.1	386.0	355.8	319.4	342.1	362.9	356.5	...
17	Public administration and defence; compulsory social security .....	65.2	67.6	69.4	68.2	67.2	64.6	60.9	60.0	71.0	70.8	62.2	64.0	61.4	63.8	62.4	...
	Gross fixed capital formation by product (price-adjusted, volume index)	2005 = 100															
18	Gross fixed capital formation .....	95.1	99.0	110.9	107.2	100.7	99.5	99.2	100	108.2	113.4	114.8	101.4	107.2	114.6	112.2	111.4
19	Machinery and equipment.....	83.3	69.8	101.1	98.1	90.7	90.7	94.7	100	111.7	123.4	126.9	98.1	108.0	114.2	109.6	106.9
20	Machinery.....	82.9	72.5	104.1	104.4	96.5	93.1	94.9	100	110.6	124.6	131.5	102.6	107.2	118.6	118.6	...
21	Transport equipment.....	88.0	63.3	94.2	82.2	75.8	85.0	94.3	100	114.3	120.7	117.1	88.5	109.3	104.6	90.3	...
22	Construction.....	111.1	131.5	122.8	117.4	110.7	108.0	103.6	100	105.3	105.0	104.3	100.9	104.2	112.3	110.8	110.9
23	Dwellings.....	98.2	126.4	124.7	117.4	110.3	108.1	104.5	100	106.0	104.1	100.5	97.9	102.4	111.6	112.8	113.6
24	Other buildings and structures.....	128.2	138.3	120.1	117.5	111.1	107.8	102.3	100	104.4	106.1	109.4	105.1	106.6	113.4	108.2	107.3
25	Building construction.....	139.4	148.8	125.4	123.0	114.4	108.4	102.4	100	105.0	108.8	114.4	110.5	111.9	119.3	113.6	112.2
26	Civil engineering.....	110.9	121.8	111.8	108.7	105.8	106.8	102.1	100	103.5	101.8	101.2	96.3	97.9	104.0	99.6	99.6
27	Other products 3) .....	40.6	54.5	83.4	87.6	88.5	89.8	94.3	100	109.0	116.9	124.2	120.5	123.3	129.7	134.1	138.1
	Gross fixed capital formation by industry – new attachment – (price-adjusted)																
28	Agriculture and forestry, fishing .....	107.9	91.5	94.3	98.1	93.4	84.9	85.1	100	118.6	125.6	133.9	107.9	101.9	122.8	114.8	...
29	Industry .....	137.1	116.9	116.5	116.0	106.5	104.0	104.4	100	106.4	116.2	122.9	103.0	105.5	115.9	112.7	...
30	Services .....	83.8	93.8	108.7	104.9	99.5	98.5	98.4	100	108.5	112.3	112.4	100.9	108.1	114.7	112.7	...
31	Financial and insurance activities .....	77.7	101.7	109.4	113.6	116.8	105.7	107.8	100	88.0	92.0	113.2	102.0	125.7	135.1	133.1	...
32	Public administration and defence; compulsory social security .....	108.7	112.6	115.5	113.7	111.9	107.6	101.5	100	102.4	102.1	103.6	106.6	102.2	106.2	104.0	...
	Gross fixed capital formation by industry – new attachment – (at current prices)	Euro bn															
33	Agriculture and forestry, fishing .....	6.4	5.9	6.3	6.6	6.3	5.7	5.8	6.9	8.4	9.0	9.8	8.1	7.7	9.5	9.1	...
34	Industry .....	100.2	90.2	88.4	87.9	80.4	77.7	77.9	74.8	80.1	88.5	95.0	80.0	82.5	91.8	90.4	...
35	Services .....	257.4	317.3	355.2	339.8	318.6	311.2	311.7	316.5	344.7	366.2	371.2	335.4	361.8	390.7	389.8	...
36	Real estate activities .....	102.7	152.9	151.5	143.6	134.2	133.2	128.5	123.3	135.9	143.1	141.7	141.8	147.5	168.2	172.4	...
37	Administrative and support service activities .....	8.9	11.7	10.9	11.0	10.8	9.2	9.2	8.3	7.1	7.2	8.8	7.8	9.6	10.3	10.1	...
38	Public administration and defence; compulsory social security .....	33.8	34.5	60.1	55.6	53.1	52.6	55.2	60.0	64.9	71.8	72.2	53.8	58.3	61.5	60.1	...
39	Total .....	363.9	413.4	449.9	434.3	405.3	394.6	395.5	398.2	433.2	463.7	476.0	423.4	451.9	492.0	489.2	...
		in % of total															
40	Agriculture and forestry, fishing .....	1.8	1.4	1.4	1.5	1.6	1.5	1.5	1.7	1.9	1.9	2.1	1.9	1.7	1.9	1.8	...
41	Industry .....	27.5	21.8	19.7	20.2	19.8	19.7	19.7	18.8	18.5	19.1	19.9	18.9	18.2	18.7	18.5	...
42	Services .....	70.7	76.8	78.9	78.2	78.6	78.9	78.8	79.5	79.6	79.0	78.0	79.2	80.1	79.4	79.7	...
43	Real estate activities .....	28.2	37.0	33.7	33.1	33.1	33.8	32.5	31.0	31.4	30.9	29.8	33.5	32.6	34.2	35.2	...
44	Administrative and support service activities .....	2.4	2.8	2.4	2.5	2.7	2.3	2.3	2.1	1.6	1.6	1.8	1.8	2.1	2.1	2.1	...
45	Public administration and defence; compulsory social security .....	9.3	8.3	13.4	12.8	13.1	13.3	14.0	15.1	15.0	15.5	15.2	12.7	12.9	12.5	12.3	...
46	Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	...

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2013 <sup>1)</sup>
Net stock at current replacement prices		Euro bn															
47	Total assets .....	4,640.4	5,833.4	6,447.0	6,552.9	6,604.4	6,653.3	6,782.5	6,892.5	7,104.4	7,552.4	7,865.2	7,983.9	8,128.8	8,421.4	8,680.8	...

1) Preliminary results, February 2014.  
2) Chained values on the basis of volume indices (with reference to the year 2005).  
3) Cultivated assets, intangible fixed assets, costs of ownership transfer on non-produced non financial assets of non-built-up land.

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

4. Further Information

in German: Statistisches Bundesamt (Federal Statistical Office), Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4

## I. Intergenerational equity

## Innovation

**8 Private and public spending on research and development****1. Definition**

Spending on research and development by industry, government and institutions of higher education expressed as a percentage of gross domestic product.

**2. Data on the time series of the indicator**

No.	Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
<b>Private and public spending on research and development</b>		<b>in percent</b>										
1	Germany.....	2.47	2.19	2.45	2.51	2.54	2.53	2.69	2.82	2.80	2.89	2.98
2	Japan.....	2.89	2.87	3.00	3.31	3.41	3.46	3.47	3.36	3.25	3.39	3.34
3	USA.....	2.72	2.50	2.71	2.59	2.65	2.72	2.86	2.91	2.74	2.76	2.79
4	EU 28 2).....	–	1.65	1.74	1.73	1.76	1.76	1.83	1.91	2.00	2.04	2.06

**3. Supplementary data**

No.	Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
		<b>Euro mn</b>										
5	Spending on research and development (R&D) by sectors.....	37,848	40 460	50,619	55,739	58,779	61,482	66,532	67,015	69,948	75,500	79,381
6	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
7	Higher education sector.....	6,145	7,378	8,146	9,221	9,475	9,908	11,112	11,808	12,665	13,449	14,250
8	Business sector.....	26,246	26,817	35,600	38,651	41,148	43,034	46,073	45,275	46,929	51,077	53,790
9	R&D expenditure in the public sector by disciplines.....	–	–	–	7,867	8,156	8,540	9,346	9,932	10,354	10,974	11,341
10	Natural sciences.....	–	–	–	3,636	3,820	4,054	4,574	4,604	4,847	5,257	5,421
11	Engineering sciences.....	–	–	–	2,320	2,281	2,405	2,521	2,708	2,757	2,866	2,816
12	Human medicine.....	–	–	–	483	520	562	605	792	843	911	1,027
13	Agricultural sciences.....	–	–	–	428	446	430	484	563	594	574	615
14	Humanities sciences.....	–	–	–	631	701	716	777	854	843	865	967
15	Social sciences.....	–	–	–	369	388	373	386	412	471	501	496

No.	Specification	1991	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
	R&D activities in business by sectors	Euro mn										
	Classification of economic sectors, 2003 edition (ES 2003)											
16	Vehicle construction.....	–	–	–	13,741	14,691	–	–	–	–	–	–
17	including: automotive industry.....	–	–	–	–	12,392	–	–	–	–	–	–
18	Office machinery and computers, electrical equipment.....	–	–	–	7,583	8,267	–	–	–	–	–	–
19	Chemical industry.....	–	–	–	6,363	7,066	–	–	–	–	–	–
20	Pharmaceutical industry.....	–	–	–	3,389	3,648	–	–	–	–	–	–
21	Mechanical engineering.....	–	–	–	4,130	4,255	–	–	–	–	–	–
	Classification of economic sectors, 2008 edition (ES 2008)											
22	Manufacture of motor vehicles, trailers and semi-trailers.....	–	–	–	–	–	13,673	15,284	13,821	14,812	16,312	17,361
23	Manufacture of computers, electronic and optical products.....	–	–	–	–	–	7,485	7,970	7,149	7,340	8,165	9,124
24	Manufacture of chemicals and chemical products.....	–	–	–	–	–	3,143	3,226	3,198	3,124	3,297	3,496
25	Manufacture of pharmaceutical products and pharmaceutical preparations.....	–	–	–	–	–	3,312	3,414	3,896	3,737	4,070	4,092
26	Manufacture of machinery and equipment.....	–	–	–	–	–	4,414	4,671	4,499	4,597	4,902	5,183
	Full-time equivalents <sup>3)</sup>	Full-time equivalents <sup>3)</sup>										
27	Personnel in research and development.....	–	459,138	484,734	475,278	487,935	506,450	522,687	534,565	548,526	574,701	590,460
28	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
29	Higher education sector.....	–	100,674	100,790	94,522	97,433	103,953	106,712	115,441	120,784	123,910	127,100
30	Business sector.....	–	283,316	312,490	304,502	312,145	321,853	332,909	332,491	337,211	357,129	367,478

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 (Federal Statistical Office), Finanzstatistik, 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: FuE-Datenreport 2013

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

I. Intergenerational equity  
Education and training

## 9a 18- to 24-year-olds without a school leaving certificate

### 1. Definition

Share of 18- to 24-year olds (of all 18- to 24-year olds) who currently do not attend any school or institution of higher education and are not in training and hold no qualifications from post-16 education or from the dual system of vocational training. Graduates of *Sekundarstufe I* (level 2 of the International Standard Classification of Education) who subsequently did not complete vocational training or did not qualify for university entrance or are no longer involved in the process of education are included. This incorporates those with and without a leaving certificate from a *Hauptschule* (the lowest of the three-tiered German secondary school system). Population data are based on the microcensus.

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	<b>18- to 24-year-olds without a leaving certificate from post-16 education and not in training</b>	<b>in percent</b>													
1	<b>Total.....</b>	<b>14.9</b>	<b>14.9</b>	<b>12.5</b>	<b>12.6</b>	<b>12.8</b>	<b>12.1</b>	<b>13.8</b>	<b>14.1</b>	<b>12.7</b>	<b>11.8</b>	<b>11.1</b>	<b>11.9</b>	<b>11.6</b>	<b>10.4</b>
2	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
3	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

### 3. Supplementary data

No.	specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	<b>18- to 24-year-olds without a leaving certificate from post-16 education and not in training</b>	<b>Number in 1,000</b>													
4	<b>Total.....</b>	<b>749</b>	<b>756</b>	<b>728</b>	<b>757</b>	<b>785</b>	<b>766</b>	<b>930</b>	<b>944</b>	<b>870</b>	<b>791</b>	<b>745</b>	<b>784</b>	<b>765</b>	<b>668</b>
5	Male.....	356	372	356	377	393	388	456	489	468	422	390	423	421	364
6	Female.....	394	385	372	379	392	378	474	456	402	368	355	361	345	305
	<b>Graduates without university degree and school-leavers from general-education schools</b>	<b>Number</b>													
7	<b>Without a general school-leaving certificate ("Hauptschulabschluss").....</b>	<b>83,761</b>	<b>86,601</b>	<b>88,881</b>	<b>85,314</b>	<b>84,092</b>	<b>82,212</b>	<b>78,152</b>	<b>75,897</b>	<b>70,547</b>	<b>64,918</b>	<b>58,354</b>	<b>53,058</b>	<b>49,560</b>	<b>47,648</b>
8	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
9	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
10	<b>With a general school-leaving certificate.....</b>	<b>239,401</b>	<b>234,340</b>	<b>236,127</b>	<b>238,746</b>	<b>246,194</b>	<b>246,237</b>	<b>237,712</b>	<b>237,247</b>	<b>228,616</b>	<b>210,381</b>	<b>191,957</b>	<b>179,753</b>	<b>168,660</b>	<b>157,498</b>
11	<b>With intermediate school-leaving certificate (from "Realschule").....</b>	<b>374,295</b>	<b>372,810</b>	<b>376,545</b>	<b>377,011</b>	<b>384,008</b>	<b>419,790</b>	<b>398,749</b>	<b>398,176</b>	<b>392,637</b>	<b>373,503</b>	<b>361,380</b>	<b>350,856</b>	<b>339,758</b>	<b>344,527</b>
12	<b>With advanced technical college entrance qualification (for a "Fachschule").....</b>	<b>9,193</b>	<b>10,160</b>	<b>11,286</b>	<b>12,082</b>	<b>11,295</b>	<b>11,683</b>	<b>12,407</b>	<b>14,260</b>	<b>14,068</b>	<b>14,179</b>	<b>13,312</b>	<b>13,455</b>	<b>13,769</b>	<b>13,945</b>
13	<b>With general higher education entrance qualification.....</b>	<b>225,845</b>	<b>229,705</b>	<b>214,013</b>	<b>223,254</b>	<b>222,298</b>	<b>226,395</b>	<b>231,465</b>	<b>244,018</b>	<b>259,176</b>	<b>266,550</b>	<b>268,558</b>	<b>268,194</b>	<b>311,166</b>	<b>305,172</b>



No.	specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Graduates without a leaving certificate and school-leavers in % of the same age resident population <sup>1) 2)</sup>	in % of the same age resident population													
14	Without a general school-leaving certificate ("Hauptschulabschluss").....	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
15	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
16	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
17	With a general school-leaving certificate.....	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	With intermediate school-leaving certificate (from "Realschule").....	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
19	With advanced technical college entrance qualification (for a "Fachschule").....	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
20	With general higher education entrance qualification.....	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
21	New apprenticeship contracts concluded 1) (Number).....	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

1) Rows 14 to 18: average of the 15- to under 17-years old residents by the 31.12. of the previous year, rows 19 to 20: average of the 18- to under 21-years old residents by the 31.12. of the previous year. - Population census 2011 not included.

2) Cut-off date 31.12.2008 (Statistisches Bundesamt [Federal Statistical Office], Berufsbildungsstatistik [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 (Federal Statistical Office), Fachserie 11, Reihe 1 "Allgemeinbildende Schulen"  
Statistisches Bundesamt (Federal Statistical Office), Fachserie 11, Reihe 3 "Berufsbildungsstatistik"  
Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus)

#### 4. Further Information

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

I. Intergenerational equity  
Education and training

## 9b 30- to 34-year-olds with a tertiary or post-secondary non-tertiary level of education

### 1. Definition

Share of 30- to 34-year-olds (of all 30- to 34-year-olds) who have a university or college education (tertiary education according to International Standard Classification of Education [ISCED] Levels 5 and 6) or a comparable certification (ISCED 4). Included among tertiary certificates are those attained from universities and universities of applied sciences (ISCED 5A/6) as well as from universities of applied administrative sciences, vocational and specialist academies, technical colleges and health care colleges (ISCED 5B). The indicator includes post-secondary non-tertiary certificates (ISCED 4). These are characterised by the fact that two certificates from post-16 education or from the dual system of vocational training can be acquired consecutively or simultaneously, e.g. *Abitur* (A-Level equivalent) from a night school, college or vocational/technical schools (this presupposes that a vocational certificate has already been attained) or a teacher training certificate following *Abitur* or two consecutive vocational training certificates. Population data are based on the microcensus.

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
30- to 34-year-olds with a tertiary or post-secondary level of education <sup>1)</sup>		in percent													
1	Total post-secondary or tertiary (ISCED 4, 5A, 5B, 6).....	33.4	33.0	33.2	33.3	33.9	36.2	36.0	36.5	37.6	38.8	40.7	41.3	42.2	43.4
2	Male.....	35.2	35.0	35.2	35.2	35.5	37.7	37.0	36.5	37.3	37.9	39.2	40.0	40.1	40.9
3	Female.....	31.4	30.9	31.1	31.3	32.2	34.7	35.0	36.5	38.0	39.7	42.2	42.7	44.4	46.0
30- to 34-year-olds with a tertiary level of education		in percent													
4	Total tertiary (ISCED 5A, 5B, 6).....	24.8	25.3	25.1	25.1	25.0	26.8	26.1	25.8	26.5	27.6	29.4	29.8	30.7	31.9
5	Total EU 27 (ISCED 5A, 5B, 6).....	.	22.4	22.8	23.5	25.0	26.9	28.0	28.9	30.0	31.0	32.2	33.5	34.6	35.8

### 3. Supplementary data

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
30- to 34-year-olds with a tertiary level of education		in percent													
6	Total tertiary (ISCED 5A, 5B, 6).....	24.8	25.3	25.1	25.1	25.0	26.8	26.1	25.8	26.5	27.6	29.4	29.8	30.7	31.9
7	Male.....	28.1	28.8	28.3	27.9	27.4	29.2	28.0	27.2	27.3	28.2	29.6	29.9	29.8	30.9
8	Female.....	21.4	21.8	21.7	22.1	22.5	24.3	24.1	24.4	25.7	27.0	29.2	29.7	31.5	32.9
25- to 34-year-olds with a tertiary level of education															
9	Total tertiary (ISCED 5A, 5B, 6).....	21.6	22.3	21.8	21.7	21.8	22.9	22.5	22.0	22.6	23.9	25.6	26.1	27.6	28.9
10	Male.....	23.3	24.0	23.3	23.0	22.7	23.3	22.9	21.6	21.9	23.0	24.4	24.8	25.7	26.7
11	Female.....	19.7	20.4	20.2	20.4	20.8	22.5	22.1	22.3	23.4	24.7	26.9	27.4	29.7	31.2
12	OECD average of the 25- to 34-year-old university graduates 2).....	16	.	18	19	20	24	24	25	26	27	28	...	...	...

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
University graduates in Germany		Number													
13	Total.....	221,696	214,473	208,123	208,606	218,146	230,940	252,482	265,704	286,391	309,364	338,656	361,697	392,171	413,338
including:															
14	Engineering.....	42,335	39,270	37,056	36,147	36,702	37,257	39,407	40,914	44,050	48,751	52,968	59,249	69,737	77,775
15	Mathematics, natural sciences.....	32,537	30,379	28,768	29,288	30,486	34,159	39,693	43,093	47,915	53,622	58,287	63,497	67,656	70,343
16	Legal, economic and social sciences.....	72,038	69,750	68,321	69,810	75,759	81,711	87,338	90,601	97,504	99,642	115,094	119,392	127,853	133,380
17	Languages and arts.....	36,752	36,770	35,677	35,930	37,006	38,138	42,738	46,444	50,788	57,878	60,222	66,071	70,092	73,570
18	Human medicine.....	18,830	19,104	18,639	18,382	17,740	18,052	20,440	20,337	21,224	22,351	23,853	23,752	24,829	24,982
19	Arts.....	9,218	9,462	9,990	9,443	10,291	11,020	11,724	12,961	12,819	13,713	13,935	14,805	16,030	16,945
University graduates by field of study		in percent													
20	Engineering.....	19	18	18	17	17	16	16	15	15	16	16	16	18	19
21	Mathematics, natural sciences.....	15	14	14	14	14	15	16	16	17	17	17	18	17	17
22	Legal, economic and social sciences.....	32	33	33	33	35	35	35	34	34	32	34	33	33	32
23	Languages and arts.....	17	17	17	17	17	17	17	17	18	19	18	18	18	18
24	Human medicine.....	8	9	9	9	8	8	8	8	7	7	7	7	6	6
25	Arts.....	4	4	5	5	5	5	5	5	4	4	4	4	4	4
Share of foreigners ("Bildungsausländer") of the university graduates		in percent													
26	Foreigners.....	3.4	3.7	4.2	4.7	5.2	6.0	7.0	7.5	8.1	8.3	8.0	7.8	7.7	7.5
First year students as to degree programmes		in percent													
27	Bachelor's degree.....	0.7	1.8	3.2	5.1	7.5	12.4	24.0	39.4	56.9	66.0	69.4	70.7	72.8	72.8
28	Master's degree.....	0.3	0.7	1.1	1.3	1.4	1.6	1.9	2.3	2.3	2.9	3.0	3.6	3.7	4.6
29	Diploma and master's programmes 3).....	43.1	43.3	40.9	38.6	38.1	34.8	29.5	20.3	9.4	4.0	8.3	7.7	7.3	6.8
30	State examination and other 4).....	55.9	54.3	54.8	55.0	53.0	51.2	44.7	38.0	31.4	27.1	19.3	18.0	16.2	15.9
Average age of graduates completing their first degree <sup>5)</sup>		year													
31	Total.....	28.3	28.2	28.2	28.1	27.9	27.9	27.8	27.7	27.6	27.5	27.1	26.9	26.6	26.6
32	Bachelor.....	–	30.5	27.8	26.1	25.8	26.0	25.8	25.8	25.8	25.8	25.5	25.4	25.5	25.6
33	Master.....	–	27.0	28.3	28.5	28.8	28.4	28.1	28.0	28.0	28.2	28.0	28.0	29.1	28.5
34	Diploma from university.....	28.3	28.3	28.3	28.2	28.1	28.1	28.1	27.9	27.9	27.9	27.7	27.8	27.9	28.0
35	Diploma from advanced technical college ("Fachhochschule").....	28.6	28.4	28.3	28.2	27.9	27.9	27.8	27.8	27.9	27.8	27.9	28.1	28.4	29.0

1) Results of Microcensus.

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

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

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

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

Note on footnotes 3 and 4:

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 (Federal Statistical Office), Mikrozensus (Microcensus)  
Statistisches Bundesamt (Federal Statistical Office), Hochschulstatistik (University statistics)

#### 4. Further Information

In German: Statistisches Bundesamt: Hochschulen auf einen Blick

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

**9c Share of students starting a degree course****1. Definition**

Number of first-semester students (from Germany and abroad, enrolled at institutions of higher education, excluding universities of applied administrative sciences) expressed as a percentage of the population of the appropriate university-entrance age. The indicator shows how high the proportion of a demographic age group is that takes up studies at an institution of higher education. The quota is calculated according to the OECD standard in order to allow an international comparison. Population data are based on the microcensus.

**2. Data on the time series of the indicator**

No.	Specification	1993	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
<b>Share of students starting a degree course <sup>2)</sup></b>		<b>in percent</b>															
1	<b>Total (OECD standard).....</b>	<b>24.8</b>	<b>25.1</b>	<b>25.9</b>	<b>30.2</b>	<b>32.5</b>	<b>35.1</b>	<b>35.7</b>	<b>37.5</b>	<b>36.1</b>	<b>35.3</b>	<b>34.4</b>	<b>36.2</b>	<b>39.8</b>	<b>42.5</b>	<b>46.3</b>	<b>53.2</b>
2	Total as a national classification.....	25.5	25.9	26.8	33.5	36.1	37.1	38.9	37.1	37.0	35.7	37.1	40.3	43.3	46.0	55.6	54.6
3	OECD mean.....	.	.	.	44.9	46.8	50.6	52.5	53.0	54.4	56.0	56.0	55.9	59.3	61.7	60.0	...

**3. Supplementary data**

No.	Specification	1993	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
<b>Share of students starting a degree course (OECD standard)</b>		<b>in percent</b>															
4	<b>Total.....</b>	<b>24.8</b>	<b>25.1</b>	<b>25.9</b>	<b>30.2</b>	<b>32.5</b>	<b>35.1</b>	<b>35.7</b>	<b>37.5</b>	<b>36.1</b>	<b>35.3</b>	<b>34.4</b>	<b>36.2</b>	<b>39.8</b>	<b>42.5</b>	<b>46.3</b>	<b>53.2</b>
5	Male .....	26.7	26.4	27.0	30.0	32.3	35.1	34.7	38.2	36.4	35.6	34.2	35.7	39.2	41.7	45.9	54.7
6	Female.....	22.8	23.7	24.7	30.5	32.7	35.3	36.8	37.0	35.9	35.1	34.6	36.8	40.3	43.4	46.7	51.6
<b>Students starting a degree course as a national classification <sup>3)</sup></b>		<b>Number</b>															
7	<b>Total.....</b>	<b>279,631</b>	<b>267,946</b>	<b>262,407</b>	<b>314,956</b>	<b>344,830</b>	<b>358,946</b>	<b>377,504</b>	<b>358,870</b>	<b>356,076</b>	<b>344,967</b>	<b>361,459</b>	<b>396,800</b>	<b>424,273</b>	<b>444,608</b>	<b>518,748</b>	<b>495,088</b>
8	Male .....	155,395	147,140	137,063	159,954	174,523	177,152	195,656	183,746	182,177	174,500	181,401	199,781	212,553	224,519	276,925	250,175
9	Male (%).....	55.6	54.9	52.2	50.8	50.6	49.4	51.8	51.2	51.2	50.6	50.2	50.3	50.1	50.5	53.4	50.5
10	Female.....	124,236	120,806	125,344	155,002	170,307	181,794	181,848	175,124	173,899	170,467	180,058	197,019	211,720	220,089	241,823	244,913
11	Female (%).....	44.4	45.1	47.8	49.2	49.4	50.6	48.2	48.8	48.8	49.4	49.8	49.7	49.9	49.5	46.6	49.5
<b>Students starting a degree course as a national classification</b>		<b>in percent</b>															
12	<b>Total.....</b>	<b>25.5</b>	<b>25.9</b>	<b>26.8</b>	<b>33.5</b>	<b>36.1</b>	<b>37.1</b>	<b>38.9</b>	<b>37.1</b>	<b>37.0</b>	<b>35.7</b>	<b>37.1</b>	<b>40.3</b>	<b>43.3</b>	<b>46.0</b>	<b>55.6</b>	<b>54.6</b>
13	Male.....	26.6	26.9	26.6	33.4	35.9	35.9	39.5	37.2	37.1	35.5	36.6	39.9	42.5	45.3	57.9	53.6
14	Female.....	24.3	24.9	27.0	33.6	36.3	38.3	38.3	37.1	36.9	35.9	37.6	40.8	44.2	46.8	53.3	55.6

No.	Specification	1993	1994	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
School-leavers with a higher education entrance qualification		Number															
15	Total.....	290,201	291,360	307,772	347,616	343,463	361,509	369,064	386,905	399,372	415,126	434,513	441,804	449,044	458,362	506,467	500,957
	of which:																
16	Advanced technical college entrance qualification.....	75,668	75,047	72,869	89,932	100,395	108,192	113,830	123,396	128,710	129,662	131,865	131,706	134,609	142,480	146,451	144,280
15	Advanced technical college entrance qualification (%).....	26.1	25.8	23.7	25.9	29.2	29.9	30.8	31.9	32.2	31.2	30.3	29.8	30.0	31.1	28.9	28.8
16	General higher education entrance qualification.....	214,533	216,313	234,903	257,684	243,068	253,317	255,234	263,509	270,662	285,464	302,648	310,098	314,435	315,882	360,016	356,677
17	General higher education entrance qualification (%).....	73.9	74.2	76.3	74.1	70.8	70.1	69.2	68.1	67.8	68.8	69.7	70.2	70.0	68.9	71.1	71.2
18	Male.....	102,840	102,539	109,360	115,544	109,129	111,934	113,788	116,411	119,610	127,698	134,705	138,550	141,017	142,069	162,292	162,672
19	Male (%).....	47.9	47.4	46.6	44.8	44.9	44.2	44.6	44.2	44.2	44.7	44.5	44.7	44.8	45.0	45.1	45.6
20	Female.....	111,693	113,774	125,543	142,140	133,939	141,383	141,446	147,098	151,052	157,766	167,943	171,548	173,418	173,813	197,724	194,005
21	Female (%).....	52.1	52.6	53.4	55.2	55.1	55.8	55.4	55.8	55.8	55.3	55.5	55.3	55.2	55.0	54.9	54.4
Average age of first-year students <sup>4)</sup>		Year															
22	Total .....	22.6	22.6	22.5	22.1	22.2	22.2	22.1	22.1	22.0	21.9	21.9	21.9	21.9	22.0	21.7	21.8
23	Of which education entrance qualification from Germany.....	.	.	.	21.8	21.8	21.9	21.7	21.7	21.6	21.5	21.5	21.6	21.6	21.6	21.3	21.3
24	Male.....	.	.	.	22.2	22.2	22.3	22.0	22.1	21.9	21.9	21.8	21.9	21.9	21.9	21.4	21.4
25	Female.....	.	.	.	21.4	21.5	21.4	21.4	21.3	21.2	21.2	21.1	21.3	21.3	21.4	21.2	21.2
26	Of which education entrance qualification from abroad.....	.	.	.	24.0	23.9	23.9	23.8	23.8	23.8	23.9	23.8	23.8	23.8	23.9	23.8	23.7

1) Preliminary results.

2) Calculated according to OECD-methodology (ISCED 5A); expressed as a percentage of the population of the appropriate university-entrance age; involved are German and foreign students starting degree course, referring to the academic year starting in autumn; excluding universities of applied administrative sciences.

3) Calculated according to national classification, expressed as a percentage of the population of the appropriate university-entrance age; involved are German and foreign students starting a degree course, referring to the academic year starting in spring; universities of applied administrative sciences are included.

4) Calculation as to kind of higher education entrance qualification is given not until academic year of 1997.

Source: Statistisches Bundesamt (Federal Statistical Office), Schulstatistik (Statistics on schools of general education), Hochschulstatistik (University statistics)

#### 4. Further Information

In German: Statistisches Bundesamt: Hochschulen auf einen Blick

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

II. Quality of life  
Economic output

## 10 Gross domestic product per capita

### 1. Definition

Gross domestic product (GDP, price-adjusted, reference year 2005) per capita.

The population data refer to annual average as delineated in the national accounts (currently exclusively based on the 1987 census for the years starting in 1990).

### 2. Data on the time series of the indicator

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2013 <sup>1)</sup>
1	GDP (price-adjusted) per capita (Euro)..... <i>Specification: (1)= (2) / (3)</i>	23,419	24,112	26,272	26,620	26,577	26,465	26,779	26,974	28,006	28,957	29,322	27,896	29,058	30,018	30,174	30,251
2	GDP (price-adjusted, reference year = 2005) (Euro bn).....	1,873.2	1,969.0	2,159.2	2,191.9	2,192.1	2,183.9	2,209.3	2,224.4	2,306.7	2,382.1	2,407.9	2,284.0	2,375.7	2,454.8	2,471.8	2,482.4
3	Inhabitants (in 1,000).....	79,984	81,661	82,188	82,340	82,482	82,520	82,501	82,464	82,366	82,263	82,120	81,875	81,757	81,779	81,917	82,062

### 3. Supplementary data

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2010 <sup>1)</sup>
		1991 = 100															
4	GDP (price-adjusted).....	100	105.1	115.3	117.0	117.0	116.6	117.9	118.8	123.1	127.2	128.5	121.9	126.8	131.1	132.0	132.5
5	Inhabitants.....	100	102.1	102.8	102.9	103.1	103.2	103.1	103.1	103.0	102.8	102.7	102.4	102.2	102.2	102.4	102.6
6	GDP (price-adjusted) per capita.....	100	103.0	112.2	113.7	113.5	113.0	114.3	115.2	119.6	123.6	125.2	119.1	124.1	128.2	128.8	129.2
	Gross value added by industry (price-adjusted, chain volume index)	2005 = 100															
7	Agriculture, hunting and forestry; fishing .....	119.0	78.5	84.2	80.7	80.0	82.4	110.3	100	94.9	128.5	136.7	142.7	121.3	94.0	95.5	...
8	Industry .....	97.4	93.3	98.0	98.0	95.9	95.9	99.0	100	105.9	110.4	108.5	92.2	106.4	112.0	111.2	...
9	Manufacturing .....	90.6	83.8	93.2	94.9	92.6	93.9	97.7	100	109.0	114.5	111.4	88.4	106.2	115.9	115.1	...
10	Services .....	75.5	83.8	95.0	97.6	98.9	98.5	99.1	100	103.0	106.4	109.1	107.3	107.7	110.6	112.2	...
11	Public and private service provider .....	80.4	88.7	97.3	97.4	99.1	99.4	99.2	100	101.3	102.0	105.2	106.7	108.9	110.5	111.5	...

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>	2010 <sup>1)</sup>
Gross value added (price-adjusted, reference year = 2005)		Euro bn															
12	Agriculture, hunting and forestry; fishing .....	19.1	12.6	13.6	13.0	12.9	13.3	17.7	16.1	15.3	20.7	22.0	23.0	19.5	15.1	15.4	...
13	Industry .....	572.6	548.7	576.2	575.8	563.5	563.8	581.7	587.8	622.3	648.6	637.8	542.2	625.1	658.5	653.7	...
14	Manufacturing .....	400.3	370.3	411.7	419.3	409.1	414.7	431.7	441.8	481.7	505.7	492.3	390.5	469.1	511.8	508.3	...
15	Services .....	1,058.7	1,175.4	1,332.1	1,369.1	1,387.6	1,381.7	1,389.7	1,402.5	1,444.8	1,492.6	1,529.4	1,504.1	1,510.2	1,551.1	1,573.2	...
16	Public and private service provider .....	286.3	316.0	346.6	347.0	352.9	354.1	353.4	356.1	360.6	363.3	374.8	379.9	387.8	393.6	396.9	...
Gross domestic product (price-adjusted, chained) per capita		2005 = 100															
17	Former territory of the Federal Republic including Berlin.....	92.1	90.6	98.3	99.5	99.0	98.4	99.4	100	103.8	107.3	108.6	103.0	107.5	110.8	111.3	...
18	New Länder without Berlin.....	54.7	83.6	93.0	94.3	95.7	96.7	99.0	100	103.9	107.5	108.8	105.4	109.5	112.0	112.9	...
19	Germany.....	86.8	89.4	97.4	98.7	98.5	98.1	99.3	100	103.8	107.4	108.7	103.4	107.9	111.1	111.7	...
Gross domestic product at current prices per capita		Euro															
20	Former territory of the Federal Republic including Berlin.....	21,852	24,351	26,643	27,261	27,529	27,660	28,232	28,599	29,754	31,243	31,850	30,595	32,195	33,433	34,000	...
21	New Länder without Berlin.....	7,278	14,493	16,411	16,909	17,403	17,706	18,329	18,587	19,463	20,504	21,018	20,541	21,651	22,403	22,972	...
22	Germany.....	19,186	22,636	24,913	25,527	25,850	26,024	26,614	26,974	28,093	29,521	30,124	29,002	30,532	31,702	32,281	...

1) Preliminary results, February 2014.

Source: Statistisches Bundesamt (Federal Statistical Office), Volkswirtschaftliche Gesamtrechnungen (National Accounts), Inlandsproduktsberechnung, Detaillierte Jahresergebnisse, Fachserie 18 Reihe 1.4 und Reihe 1.1 (August 2013) und Reihe 1.2 (Vierteljahresergebnisse)  
Volkswirtschaftliche Gesamtrechnungen der Länder - Ergebnisse (R1B1) vom März 2013.

#### 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.

[http://www.vgrdl.de/Arbeitskreis\\_VGR/](http://www.vgrdl.de/Arbeitskreis_VGR/)

II. Quality of life  
Mobility

## 11a Intensity of goods transport

### 1. Definition

Intensity of goods transport = domestic goods transport performance (in tonne-kilometres) / gross domestic product (price-adjusted).

The term transport covers any conveyance of items and all supplementary domestic services (including air transport and local transport of German lorries up to 50 km).

In addition to the freight transport performance, energy efficiency is considered (absolute energy consumption and energy consumption per tonne-kilometre).

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011 <sup>1)</sup>	2012 <sup>1)</sup>
<b>1999 = 100</b>															
1	<b>Intensity of goods transport.....</b> <i>Specification: (1)= (2) / (3)</i>	<b>100</b>	<b>99.8</b>	<b>99.1</b>	<b>99.2</b>	<b>104.5</b>	<b>109.0</b>	<b>109.9</b>	<b>114.0</b>	<b>115.1</b>	<b>114.6</b>	<b>107.8</b>	<b>111.4</b>	<b>110.5</b>	<b>108.0</b>
2	Goods transport performance 2) .....	100	102.9	103.7	103.8	108.9	114.9	116.7	125.5	130.9	131.7	117.6	126.4	129.4	127.4
3	Gross domestic product (price-adjusted).....	100	103.1	104.6	104.6	104.2	105.4	106.2	110.1	113.7	114.9	109.0	113.4	117.2	118.0
4	Energy consumption.....	100	100.1	100.7	100.5	101.5	103.1	100.5	105.7	108.6	107.4	97.9	103.0	104.9	102.8
5	Energy consumption per tonne-kilometre.....	100	97.2	97.1	96.8	93.0	89.6	86.0	83.8	82.5	81.1	83.1	81.2	80.6	80.3

### 3. Supplementary data

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011 <sup>1)</sup>	2012 <sup>1)</sup>
bn tonne kilometre															
6	Goods transport performance 2) .....	496.9	511.3	515.3	515.8	541.4	571.1	580.0	623.7	650.5	654.3	584.2	627.9	643.1	633.2
bn megajoules															
7	Energy consumption.....	639.0	639.5	643.4	642.5	648.7	658.8	641.9	675.4	693.9	686.3	625.7	658.1	670.4	656.8
MJ/tkm															
8	Energy consumption per tonne-kilometre.....	1.33	1.29	1.29	1.29	1.24	1.19	1.14	1.11	1.10	1.08	1.10	1.08	1.07	1.07
9	Energy consumption – road traffic.....	1.66	1.64	1.62	1.62	1.52	1.48	1.42	1.38	1.36	1.34	1.36	1.34	1.32	1.32
10	Energy consumption – rail transport.....	0.58	0.52	0.53	0.49	0.47	0.45	0.46	0.44	0.42	0.40	0.39	0.38	0.37	0.37
11	Energy consumption – inland water transport.....	0.49	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.47	0.47	0.47	0.46	0.47	0.47
12	Energy consumption – air transport.....	11.71	11.73	11.66	11.39	11.32	10.86	11.09	11.00	x	x	x	x	x	x



No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011 <sup>1)</sup>	2012 <sup>1)</sup>
bn tonne kilometre															
13	Goods transport performance from abroad total.....	–	2,537.7	2,426.6	2,500.6	2,535.5	2,750.3	2,774.0	3,036.0	3,193.1	3,101.0	2,691.0	3,031.0	x	x
14	Imports.....	–	1,916.0	1,841.5	1,868.3	1,875.3	2,064.4	2,046.1	2,234.9	2,397.3	2,286.0	1,898.0	2,170.0	x	x
15	Exports.....	–	621.6	585.0	632.2	660.2	685.9	728.0	801.1	795.8	815.0	793.0	861.0	x	x
mn tonnes															
16	Transported tonnes abroad total.....	–	870.4	857.4	875.5	922.4	976.2	989.5	1,055.7	1,081.6	1,072.0	945.0	1,032.0	1,064.0	x
17	Imports.....	–	554.5	538.8	543.9	574.7	594.9	599.1	640.3	648.1	647.0	574.0	632.0	653.0	x
18	Exports.....	–	315.9	318.7	331.6	347.7	381.3	390.4	415.4	433.5	425.0	371.0	400.0	411.0	x
1999 = 100															
19	Goods transport performance 2) .....	100	102.9	103.7	103.8	108.9	114.9	116.7	125.5	130.9	131.7	117.6	126.4	129.4	127.4
20	Energy consumption.....	100	100.1	100.7	100.5	101.5	103.1	100.5	105.7	108.6	107.4	97.9	103.0	104.9	102.8
21	Energy consumption per tonne-kilometre.....	100	97.2	97.1	96.8	93.0	89.6	86.0	83.8	82.5	81.1	83.1	81.2	80.6	80.3
22	Energy consumption – road traffic.....	100	98.7	97.7	97.6	91.9	89.2	85.3	83.0	82.0	80.6	81.8	80.6	79.5	79.4
23	Energy consumption – rail transport.....	100	90.7	91.3	85.1	81.4	78.4	79.7	75.9	72.0	69.3	68.1	66.6	63.8	64.7
24	Energy consumption – inland water transport.....	100	100.3	100.3	100.3	100.3	100.2	99.2	98.2	97.2	96.2	95.7	95.1	95.4	95.6
25	Energy consumption – air transport.....	100	100.2	99.6	97.3	96.7	92.7	94.7	93.9	x	x	x	x	x	x

1) Some values estimated.

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

Source: Bundesministerium für Verkehr und digitale Infrastruktur (Federal Ministry of Transport and digital Infrastructure [editor]): Verkehr in Zahlen (Transport in figures), 2013/2014  
Umweltbundesamt (Federal Environment Agency), TREMOD 5.41  
Statistisches Bundesamt (Federal Statistical Office)

#### 4. Further Information

In German: Bundesministerium für Verkehr und digitale Infrastruktur (Hrsg.): Verkehr in Zahlen, Ausgabe 2013/2014

II. Quality of life  
Mobility

## 11b Intensity of passenger transport

### 1. Definition

Intensity of passenger transport = passenger transport performance (in passenger kilometres) / gross domestic product (price-adjusted).

The term transport covers any conveyance of persons and all supplementary domestic services (including air transport).

In addition to the passenger transport performance, energy efficiency is considered (absolute energy consumption and energy consumption per passenger-kilometre).

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
1999 = 100															
1	Intensity of passenger transport..... <i>Specification: (1)= (2) / (3)</i>	100	96.0	96.5	96.6	96.8	97.9	97.0	94.5	91.8	91.5	97.1	93.3	91.3	91.0
2	Passenger transport performance 2).....	100	98.9	101.0	101.0	100.9	103.3	102.9	104.0	104.4	105.2	105.8	105.7	107.0	107.4
3	Gross domestic product (price-adjusted).....	100	103.1	104.6	104.6	104.2	105.4	106.2	110.1	113.7	114.9	109.0	113.4	117.2	118.0
4	Energy consumption.....	100	99.7	100.9	100.8	99.7	100.9	99.0	98.5	98.0	96.7	96.9	95.1	95.3	93.7
5	Energy consumption per passenger-kilometre.....	100	100.8	99.9	99.7	98.9	97.7	96.2	94.7	93.9	91.9	91.6	89.9	89.0	87.3

### 3. Supplementary data

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
bn passenger kilometres															
6	Passenger transport performance 2).....	1,056.5	1,045.1	1,066.7	1,067.6	1,066.1	1,091.2	1,087.6	1,099.0	1,102.6	1,111.4	1,117.9	1,117.2	1,130.5	1,134.2
7	Individual motorised traffic.....	866.7	849.6	872.0	880.3	875.6	887.1	875.7	882.6	883.4	888.5	898.7	902.4	912.4	913.2
8	Rail transport.....	73.8	75.4	75.8	70.8	71.3	72.9	76.8	79.0	79.1	82.5	82.3	83.9	85.1	88.4
9	Public road transport 3).....	76.2	77.3	77.0	75.7	75.8	82.8	82.5	81.8	81.3	79.6	78.6	78.1	77.7	76.4
10	Air transport (territorial concept).....	8.9	9.5	9.0	8.7	9.1	9.3	9.5	9.9	10.6	11.0	10.6	10.7	10.6	10.3

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012 <sup>1)</sup>
11	Individual motorised traffic..... for purposes:	866.7	849.6	872.0	880.3	875.6	887.1	875.7	882.6	883.4	888.5	898.7	902.4	912.4	913.2
12	Commuting.....	–	–	–	170.5	166.7	171.7	167.5	168.7	172.0	172.3	174.8	175.9	179.0	...
13	Education.....	–	–	–	17.2	17.3	17.7	17.5	17.4	17.2	17.0	17.5	17.5	18.0	...
14	Business.....	–	–	–	116.3	113.6	114.6	114.8	116.8	119.8	123.5	125.2	127.3	129.4	...
15	Shopping.....	–	–	–	163.1	162.7	166.2	164.2	163.7	160.6	159.6	161.2	160.8	161.9	...
16	Recreation.....	–	–	–	306.9	308.9	313.2	311.3	314.7	311.0	313.6	317.6	319.2	323.8	...
17	Conveyance of others.....	–	–	–	55.4	54.9	55.7	54.7	54.8	53.3	55.7	56.0	55.4	55.3	...
18	Holiday.....	–	–	–	50.9	51.5	48.1	45.6	46.6	49.6	46.8	46.4	46.3	45.0	...
1999 = 100															
19	Passenger transport performance .....	100	98.9	101.0	101.0	100.9	103.3	102.9	104.0	104.4	105.2	105.8	105.7	107.0	107.4
20	Individual motorised traffic.....	100	98.0	100.6	101.6	101.0	102.4	101.0	101.8	101.9	102.5	103.7	104.1	105.3	105.4
21	Rail transport.....	100	102.2	102.7	96.0	96.6	98.8	104.1	107.0	107.2	111.8	111.5	113.7	115.3	119.8
22	Public road transport 3).....	100	101.5	101.0	99.4	99.5	108.7	108.3	107.3	106.7	104.5	103.2	102.5	102.0	100.3
23	Air transport (territorial concept).....	100	106.6	101.3	97.8	102.6	103.8	106.5	110.8	119.1	122.8	118.5	120.0	119.4	115.5

1) Some values estimated.

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

3) 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), 2013/2014  
Umweltbundesamt (Federal Environment Agency), TREMOD 5.41  
Statistisches Bundesamt (Federal Statistical Office)

#### 4. Further Information

In German: Bundesministerium für Verkehr und digitale Infrastruktur (Hrsg.): Verkehr in Zahlen, Ausgabe 2013/2014

II. Quality of life  
Mobility

## 11c,d Share of rail transport and inland freight water transport<sup>1)</sup>

### 1. Definition

Share of rail transport (11c) as well as share of inland freight water transport (11d) in the total domestic goods transport performance excluding local haulage by German lorries up to 50 km.

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011 <sup>2)</sup>	2012 <sup>2)</sup>
		in percent													
1	Share of rail transport in goods transport performance.....	16.5	17.2	16.6	16.6	16.5	16.9	17.2	17.9	18.4	18.5	17.2	17.8	18.5	18.2
2	Share of inland freight water transport in goods transport performance.....	13.5	13.8	13.3	13.1	11.3	11.7	11.6	10.7	10.4	10.2	10.0	10.4	9.0	9.7

### 3. Supplementary data

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011 <sup>2)</sup>	2012 <sup>2)</sup>
		bn tonne kilometres													
3	Goods transport performance without local transport (territorial concept).....	465.1	481.5	486.8	489.8	515.6	545.2	554.4	596.5	622.6	625.2	557.4	601.3	613.7	604.4
4	Goods transport performance of rail transport (territorial concept).....	76.8	82.7	81.0	81.1	85.1	91.9	95.4	107.0	114.6	115.7	95.8	107.3	113.3	110.1
5	Goods transport performance of inland water transport (territorial concept).....	62.7	66.5	64.8	64.2	58.2	63.7	64.1	64.0	64.7	64.1	55.5	62.3	55.0	58.5
		1999 = 100													
6	Goods transport performance without local transport (territorial concept).....	100	103.5	104.7	105.3	110.9	117.2	119.2	128.3	133.9	134.4	119.8	129.3	132.0	129.9
7	Goods transport performance of rail transport (territorial concept).....	100	107.7	105.5	105.6	110.8	119.7	124.2	139.3	149.2	150.6	124.8	139.7	147.5	143.3
8	Goods transport performance of inland water transport (territorial concept).....	100	106.0	103.4	102.4	92.8	101.6	102.2	102.0	103.2	102.2	88.5	99.3	87.8	93.3

1) Excluding local haulage by German lorries (up to 50 km).

2) Some values estimated.

Source: Bundesministerium für Verkehr und digitale Infrastruktur (Federal Ministry of Transport and digital Infrastructure [editor]): Verkehr in Zahlen (Transport in figures), 2013/2014

### 4. Further Information

In German: Bundesministerium für Verkehr und digitale Infrastruktur (Hrsg.): Verkehr in Zahlen, Ausgabe 2013/2014

## II. Quality of life

## Farming

## 12a Nitrogen surplus

## 1. Definition

Nitrogen surplus in kilogram per hectare land used for agriculture, calculated from nitrogen input (from fertilisers, atmospheric deposition, biological nitrogen fixation, seed and plant material, feedstuff from domestic production and from imports) minus nitrogen output (through crop and animal market products leaving the agricultural sector). The overall balance is calculated on the basis of the "farmer-gate-model". Nitrogen flows in the domestic cycle – with the exception of domestic feed production – are not shown. The moving three-year average is calculated from the total balance of the given year, the previous year and the following year.

## 2. Data on the time series of the indicator

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Nitrogen surpluses in Germany in kg per ha agricultural land	kg/ha														
1	Moving three-year average 1).....	–	114	112	111	108	106	104	103	104	104	95	93	96	101	...
2	Year 2).....	148	118	119	105	110	110	98	104	108	101	104	82	94	111	98

## 3. Supplementary data

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Balance of nitrogen input and output for agricultural land <sup>3)</sup>	kg/ha														
3	Fertiliser.....	123.81	106.04	120.84	111.29	108.88	108.65	111.00	108.00	108.78	97.75	110.26	95.31	97.31	110.23	102.48
4	Mineral fertiliser.....	121.49	103.17	118.09	108.46	105.60	105.16	107.42	104.43	105.33	94.38	106.80	91.83	93.95	106.86	98.44
5	Farmyard manure.....	2.32	2.87	2.75	2.83	3.28	3.49	3.58	3.57	3.45	3.37	3.46	3.48	3.36	3.37	4.04
6	Atmospheric deposition (NOx).....	10.40	10.40	9.00	9.40	9.30	7.70	7.73	7.29	7.55	7.17	7.43	7.43	7.43	7.43	7.43
7	Biological N-fixation.....	14.42	13.19	13.19	13.42	13.25	13.13	12.94	13.13	13.12	12.76	12.46	12.51	13.10	13.23	13.18
8	Seeds.....	1.68	1.31	1.53	1.45	1.48	1.46	1.51	1.47	1.35	1.31	1.36	1.39	1.34	1.30	1.42
9	Animal feed (territorial concept).....	36.22	36.06	36.68	37.94	36.06	34.76	39.96	41.81	42.20	41.39	43.12	43.85	41.40	38.08	38.91
10	Feeding stuff from plants.....	9.27	10.47	10.52	10.48	11.09	10.74	12.50	12.65	14.03	14.99	13.32	16.80	15.49	13.88	13.60
11	Feeding stuff from animals.....	3.95	3.47	2.07	0.90	0.91	0.87	0.82	0.81	0.78	0.82	0.83	0.84	0.84	0.87	0.91
12	Primary feeding stuff as market products.....	23.00	22.12	24.10	26.56	24.05	23.14	26.64	28.35	27.39	25.59	28.96	26.22	25.07	23.33	24.40
13	Animal feed (imports)).....	27.04	24.24	21.89	21.00	23.21	21.39	20.21	21.27	20.27	23.75	22.66	18.56	23.52	26.95	25.71
14	Input.....	213.57	191.24	203.13	194.51	192.18	187.09	193.36	192.98	193.27	184.14	197.29	179.05	184.11	197.22	189.13

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
15	Through crop.....	49.09	54.46	63.77	69.24	61.95	56.50	74.03	67.36	64.54	61.80	71.65	74.15	67.04	61.89	66.58
16	Cereals.....	38.25	42.24	49.13	53.82	47.32	42.91	55.82	50.42	48.05	44.77	55.27	54.96	49.63	46.97	50.11
17	Legumes.....	0.47	0.65	1.01	1.38	1.03	0.98	1.27	0.99	0.82	0.55	0.47	0.56	0.58	0.56	0.54
18	Root crops.....	5.85	4.71	5.65	4.98	5.14	4.55	5.56	5.06	4.26	5.07	4.80	5.18	4.54	5.68	5.28
19	Industrial crops (e. g. oilaginous fruit).....	3.98	6.26	7.22	8.35	7.76	7.35	10.59	10.13	10.72	10.67	10.37	12.68	11.58	7.93	9.87
20	Other field crops.....	0.54	0.61	0.76	0.71	0.70	0.71	0.74	0.76	0.69	0.73	0.74	0.77	0.71	0.75	0.78
21	Animal market products.....	16.11	19.03	20.28	20.48	20.63	20.80	21.04	21.22	21.18	21.81	22.11	22.55	23.39	24.09	24.18
22	Meat.....	8.29	9.31	10.43	10.67	10.90	10.93	11.29	11.41	11.49	12.00	12.20	12.55	13.19	13.54	13.43
23	Other animal products.....	7.82	9.73	9.86	9.81	9.73	9.87	9.76	9.81	9.69	9.81	9.90	10.00	10.20	10.55	10.75
24	Output.....	65.20	73.49	84.06	89.72	82.58	77.30	95.08	88.58	85.72	83.61	93.76	96.70	90.43	85.97	90.76
25	Balance.....	148	118	119	105	110	110	98	104	108	101	104	82	94	111	98

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

2) Data for 1990 partly uncertain, for 2012 partly preliminary.

3) 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 tables, differences may occur in the subtotals.

Source: Institut für Pflanzenbau und Bodenkunde (Federal Research Centre for Cultivated Plants), Julius Kühn-Institut (JKI) and Institut für Landschaftsökologie und Ressourcenmanagement (ILR), Universität Gießen (Institute for Landscape Ecology and Resources Management, University of Gießen)

#### 4. Further Information

In German: Bundesministerium für Ernährung und Landwirtschaft (BMEL): Statistik und Berichte, Nährstoffbilanz insgesamt 1990-2012

[berichte.bmelv-statistik.de/MBT-0111260-0000.xls](http://berichte.bmelv-statistik.de/MBT-0111260-0000.xls)

II. Quality of life  
Farming

## 12b Organic farming

### 1. Definition

Farmland used for organic farming subject to the control procedure of the EU regulations on organic farming (EC Regulation No. 834/2007 and provisions concerning its implementation in EC Regulation No. 889/2008), as a proportion of all the farmland in Germany. It includes both the areas completely devoted to organic farming as well as those still under conversion. The results of official statistics are used. For methodological reasons (among other things data collection thresholds, time of survey) they differ slightly from the data provided annually by the Federal Office for Agriculture and Food.

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001 <sup>1)</sup>	2002	2003	2004	2005 <sup>1)</sup>	2006	2007	2008	2009	2010 <sup>2) 3)</sup>	2011	2012 <sup>1)</sup>
		in percent													
1	Land use for organic farming as proportion of total farming land.....	2.9	–	3.6	–	4.3	–	4.6	–	5.1	–	–	5.6	–	5.8

### 3. Supplementary data

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Land use for organic farming <sup>2) 4)</sup>	hectare													
2	Total.....	489,093	–	606,531	–	731,177	–	782,475	–	861,161	–	–	941,480	–	960,200
	Main types of land use in the organically producing farms	hectare													
3	Arable land .....	252,834	–	293,466	–	348,795	–	377,596	–	411,551	–	–	427,600	–	412,800
4	Other lands 3) .....	7,159	–	7,820	–	8,422	–	9,175	–	10,938	–	–	44,253	–	36,400
5	Permanent grassland 3) .....	229,100	–	305,245	–	373,960	–	395,704	–	438,672	–	–	469,627	–	511,000
	Main types of land use in the organically producing farms in % of the land used for organic farming	in percent													
6	Arable land .....	51.7	–	48.4	–	47.7	–	48.3	–	47.8	–	–	45.4	–	43.0
7	Other lands 3) .....	1.5	–	1.3	–	1.2	–	1.2	–	1.3	–	–	4.7	–	3.8
8	Permanent grassland 3) .....	46.8	–	50.3	–	51.1	–	50.6	–	50.9	–	–	49.9	–	53.2

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Agriculturally used area	thousand hectare													
9	Total .....	17,151.6	-	16,977.6	-	17,008.0	-	17,035.2	-	16,954.3	-	-	16,704.0	-	16,667.3
	Main types of land use in the whole agriculturally used area	thousand hectare													
10	Arable land .....	11,821.5	-	11,779.6	-	11,826.9	-	11,903.3	-	11,877.0	-	-	11,846.6	-	11,834.0
11	Other lands 3) .....	216.3	-	214.3	-	212.8	-	202.9	-	202.5	-	-	413.4	-	401.3
12	Permanent grassland 3) .....	5,113.8	-	4,983.7	-	4,968.3	-	4,929.0	-	4,874.7	-	-	4,443.9	-	4,432.0
	Main types of land use in the whole agriculturally used area in % of the agriculturally used area	in percent													
13	Arable land .....	68.9	-	69.4	-	69.5	-	69.9	-	70.1	-	-	70.9	-	71.0
14	Other lands 3) .....	1.3	-	1.3	-	1.3	-	1.2	-	1.2	-	-	2.5	-	2.4
15	Permanent grassland 3) .....	29.8	-	29.4	-	29.2	-	28.9	-	28.8	-	-	26.6	-	26.6
	Average size of farms <sup>2)</sup>	hectare													
16	Organic farms .....	51.1	-	52.2	-	52.7	-	57.7	-	59.5	-	-	56.9	-	...
17	Former territory of the Federal Republic of Germany .....	31.9	-	33.5	-	34.1	-	37.4	-	39.5	-	-	41.9	-	...
18	New Länder .....	190.9	-	185.9	-	185.8	-	182.3	-	179.2	-	-	166.8	-	...
19	Farms in total .....	36.3	-	38.1	-	40.4	-	42.9	-	45.3	-	-	55.8	-	...
20	Former territory of the Federal Republic of Germany .....	26.1	-	27.1	-	29.3	-	31.2	-	33.1	-	-	40.6	-	...
21	New Länder 5) .....	184.4	-	182.4	-	184.6	-	188.2	-	185	-	-	226.8	-	...
	Land use for organic farming (EU 27)	thousand hectare													
22	Total (with a certificate as well as under conversion) 6).....	-	-	-	-	-	-	6,475.8	6,881.7	7,268.8	7,790.6	8,549.0	9,179.9	9,613.5	...
		in percent													
23	Total (with a certificate as well as under conversion) 6).....	-	-	-	-	-	-	3.6	3.7	4.0	4.4	4.7	5.2	5.5	5.8

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

4) Until 2007 the total agricultural used area by organic farms is given, since 2010 only the agricultural used area by organic farming.

5) By 1999 including Berlin-Ost; from 2001 excluding Berlin.

6) Some values estimated by Eurostat. Source: Eurostat, December 2013.

#### 4. Further Information

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

Eurostat ([http://epp.eurostat.ec.europa.eu/portal/page/portal/organic\\_farming/introduction](http://epp.eurostat.ec.europa.eu/portal/page/portal/organic_farming/introduction))



II. Quality of life  
Air pollution

## 13 Air pollution

### 1. Definition

The following substances or substance classes are considered to be air pollutants for the purpose of this indicator: sulphur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), ammonia (NH<sub>3</sub>), non-methane volatile organic compounds (NMVOC). Unweighted average of the indices of the four air pollutants referred to.

### 2. Data on the time series of the indicator

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1990 = 100																
1	<b>Total air pollutants 1).....</b> <i>Specification: (1)= unweighted average from (2+3+4+5)</i>	<b>100</b>	<b>62.8</b>	<b>52.4</b>	<b>51.0</b>	<b>49.0</b>	<b>47.7</b>	<b>46.7</b>	<b>45.4</b>	<b>45.2</b>	<b>43.8</b>	<b>42.8</b>	<b>41.3</b>	<b>41.6</b>	<b>41.3</b>	<b>40.4</b>
2	Sulphur dioxide (SO <sub>2</sub> ) .....	100	32.3	12.1	11.7	10.4	9.9	9.2	8.7	8.9	8.6	8.6	7.7	8.1	8.0	8.1
3	Nitrogen oxides (NO <sub>x</sub> ).....	100	75.5	66.7	64.0	61.2	59.3	56.9	54.3	54.0	51.3	48.7	45.3	46.1	44.8	44.1
4	Ammonia (NH <sub>3</sub> ).....	100	85.7	86.0	87.0	85.1	84.4	83.3	82.1	81.5	81.2	81.3	82.3	78.7	80.3	78.2
5	Non-methane volatile organic compounds (NMVOC).....	100	57.7	44.7	41.4	39.4	37.2	37.5	36.6	36.3	34.2	32.5	29.7	33.4	32.0	31.1

### 3. Supplementary data

No.	Specification	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
thousand tonnes																
6	Sulphur dioxide (SO <sub>2</sub> ) .....	5,282.6	1,704.8	637.8	616.3	550.8	522.4	484.7	460.4	470.6	453.9	454.2	406.6	430.4	423.8	427.1
7	Nitrogen oxides (NO <sub>x</sub> ).....	2,877.0	2,171.6	1,919.2	1,841.1	1,761.1	1,705.7	1,638.4	1,563.4	1,553.8	1,476.7	1,402.1	1,303.3	1,324.9	1,289.1	1,269.3
8	Ammonia (NH <sub>3</sub> ).....	697.2	597.6	599.7	606.9	593.0	588.6	580.7	572.2	568.1	566.1	566.9	574.1	548.5	560.1	545.4
9	Non-methane volatile organic compounds (NMVOC).....	3,065.8	1,767.6	1,370.9	1,269.7	1,207.7	1,141.1	1,151.2	1,122.5	1,111.7	1,049.3	995.9	910.2	1,022.7	979.6	952.0

1) Average index of measurement data.

Source: Umweltbundesamt (Federal Environment Agency) 2014: Nationale Trendtabellen für die deutsche Berichterstattung atmosphärischer Emissionen, Stand 25.01.2014  
Because of technical reasons slight differences to the officially reported emission inventories might occur.

### 4. Further Information

In English: Economy and Use of Environmental Resources, Tables on Environmental-Economic Accounting ([www.destatis.de](http://www.destatis.de/EN/Publications/Specialized%20publications/Environmental-Economic%20Accounting/Tables%20on%20EEA)\EN\Publications\Specialized publications\Environmental-Economic Accounting\Tables on EEA)

In German: Umweltnutzung und Wirtschaft, Bericht (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

In German: Umweltnutzung und Wirtschaft, Tabellen (aktuellste Fassung) ([www.destatis.de](http://www.destatis.de) unter Publikationen\Thematische Veröffentlichungen\Umwelt\Umweltökonomische Gesamtrechnungen)

[www.umweltbundesamt.de](http://www.umweltbundesamt.de)

II. Quality of life  
Health and nutrition

## 14a,b Premature mortality

### 1. Definition

Cases of death in the male (14a) and female (14b) under 65-year-old population in relation to 100,000 inhabitants of the standardised population (of 1987) under 65 years, including those younger than one year. The calculation takes account the fact through demographic change in Germany there is an ever increasing number of people older than 65 and provides a comparable time serie over the years.

### 2. Data on the time series of the indicator

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		Deaths per 100,000 population below the age of 65 <sup>1)</sup>														
1	Men.....	381	343	290	281	277	274	260	255	247	242	238	234	230	224	217
2	Women.....	200	181	158	154	153	150	145	144	141	139	139	137	135	135	130

### 3. Supplementary data

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Deaths per 100,000 population below the age of 65 <sup>1)</sup>															
3	Total.....	295	267	228	222	219	216	206	203	197	194	192	189	186	183	177
	Selected causes of death															
		in percent														
4	Diseases of the circulatory system.....	26.7	25.3	23.2	23.3	23.0	22.8	22.3	22.2	22.0	22.0	20.9	20.7	20.2	19.6	19.8
5	Neoplasms.....	31.8	33.2	35.2	35.3	35.6	35.5	36.1	36.3	36.8	36.6	37.1	36.8	36.6	37.1	37.2
6	Diseases of the respiratory system.....	3.4	3.4	3.2	3.2	3.4	3.6	3.5	3.6	3.5	3.8	3.8	4.1	4.0	4.2	3.9
7	Diseases of the digestive system.....	8.2	8.3	8.4	8.3	8.4	8.3	8.3	8.2	8.0	7.7	7.8	7.5	7.6	7.4	7.3
8	Fatalities of external causes.....	13.6	12.9	12.9	12.9	12.8	12.6	12.3	11.9	11.6	11.3	11.3	11.2	11.4	11.3	11.1
	Health expenditure															
		Euro mn														
9	Total expenditure on health .....	–	186,951	212,841	220,788	228,664	234,488	234,256	240,431	246,137	254,433	264,798	279,060	288,340	293,585	300,437
10	Investments .....	–	7,248	8,292	8,938	9,208	8,923	8,858	9,155	8,740	8,704	9,315	10,169	10,093	9,835	10,015
11	Total current expenditure on health .....	–	179,704	204,548	211,851	219,456	225,565	225,398	231,276	237,397	245,729	255,483	268,890	278,247	283,751	290,422
12	Health prevention and public health services .....	–	7,399	7,444	7,814	8,181	8,642	8,739	8,883	9,210	10,108	10,642	10,995	10,989	10,736	10,857
13	Medical services .....	–	51,408	57,059	58,862	60,364	62,174	63,838	64,105	66,273	68,756	71,742	76,069	78,998	81,549	83,442
14	Nursing and therapeutic services .....	–	43,554	52,175	53,400	55,600	56,536	56,700	57,591	58,787	59,937	62,104	65,795	68,742	70,879	73,484
15	Food and lodging .....	–	15,885	16,400	16,568	16,930	17,129	17,200	17,668	18,361	18,569	19,112	20,035	20,232	20,845	21,471
16	Health care goods .....	–	48,705	56,716	59,900	62,144	64,162	62,310	65,976	67,664	70,993	73,864	76,852	79,215	79,299	80,454
17	Patient transport and emergency rescue .....	–	2,844	3,423	3,584	3,802	3,954	3,698	3,961	4,064	4,230	4,513	4,838	4,983	5,292	5,533
18	Administrative services .....	–	9,908	11,332	11,723	12,435	12,968	12,913	13,092	13,039	13,136	13,506	14,308	15,089	15,151	15,181

No.	Specification	1991	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
19	Per inhabitant (Euro) .....	–	2,290	2,590	2,680	2,770	2,840	2,840	2,920	2,990	3,090	3,220	3,410	3,530	3,660	3,740
20	Share in the gross domestic product (%) .....	–	10.1	10.4	10.5	10.7	10.9	10.7	10.8	10.6	10.5	10.7	11.8	11.6	11.2	11.3

No.	Specification	1990-1992	1994-1996	1999-2001	2000-2002	2001-2003	2002-2004	2003-2005	2004-2006	2005-2007	2006-2008	2007-2009	2008-2010	2009-2011
	Average life expectancy for newborns <sup>2)</sup>	years												
21	Male .....	72.9	73.3	75.1	75.4	75.6	75.9	76.2	76.6	76.9	77.2	77.3	77.5	77.7
22	Female .....	79.3	79.7	81.1	81.2	81.3	81.6	81.8	82.1	82.3	82.4	82.4	82.6	82.7

1) Standardised according to German population of 1987; including 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.

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

#### 4. Further Information

In German: Gesundheitsberichterstattung (GBE) ([www.gbe-bund.de](http://www.gbe-bund.de))

II. Quality of life  
Health and nutrition

## 14c,d Smoking rates amongst young people and adults

### 1. Definition

Proportion of polled 12- to 17-year olds (proportion of adolescents who smoke, 14c) and the proportion of polled 15-year olds and older (proportion of adults who smoke, 14d), who answered the questions in the microcensus on smoking behaviour and occasionally or regularly smoke.

### 2. Data on the time series of the indicator

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Smoking rate</b>		<b>in percent</b>													
1	Adolescents (12 to 17 years) 1).....	-	-	28	-	23	24	20	-	18	15	-	13	12	12
2	Total (15 years and older) 2).....	28	-	-	-	27	-	27	-	-	-	26	-	-	-
3	Men (15 years and older) 2).....	36	-	-	-	33	-	32	-	-	-	31	-	-	-
4	Women (15 years and older) 2).....	21	-	-	-	22	-	22	-	-	-	21	-	-	-

### 3. Supplementary data

No.	Spezifikation	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Proportion of persons who smoke of those polled		in percent													
5	Total (15 years and older) 2).....	28.3	-	-	-	27.4	-	27.2	-	-	-	25.7	-	-	-
6	Of which: regular.....	24.3	-	-	-	24.3	-	23.2	-	-	-	21.9	-	-	-
7	Occasionally.....	4.0	-	-	-	3.2	-	4.0	-	-	-	3.8	-	-	-
8	Men (15 years and older) 2).....	35.6	-	-	-	33.2	-	32.2	-	-	-	30.5	-	-	-
9	Of which: regular.....	31.3	-	-	-	29.8	-	27.9	-	-	-	26.4	-	-	-
10	Occasionally.....	4.3	-	-	-	3.4	-	4.3	-	-	-	4.1	-	-	-
11	Women (15 years and older) 2).....	21.5	-	-	-	22.1	-	22.4	-	-	-	21.2	-	-	-
12	Of which: regular.....	17.8	-	-	-	19.1	-	18.8	-	-	-	17.6	-	-	-
13	Occasionally.....	3.7	-	-	-	3.0	-	3.7	-	-	-	3.5	-	-	-
14	Adolescents (12 to 17 years) 1).....	-	-	28.0	-	22.9	23.0	20.0	-	18.0	15.4	-	12.9	11.7	12.0
15	Of which: male.....	-	-	27.0	-	22.0	24.0	21.0	-	18.0	15.0	-	14.2	...	...
16	female.....	-	-	28.0	-	23.2	23.0	19.0	-	17.0	16.0	-	11.5	...	...

No.	Spezifikation	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Fatalities by cancer which can be provoked from smoking <sup>3)</sup>		number													
17	Total .....	38,935	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
18	Men.....	30,454	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
19	Women.....	8,481	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
		in percent of fatalities													
20	Total .....	4.4	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
21	Men.....	7.4	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
22	Women.....	1.8	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
Average age deceased		years													
23	Off all deceased .....	74.6	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
24	Of deceased by canter which can be provoked from smoking 3).....	68.2	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

1) Polls from 1993, 1997, 2001, 2003 - 2005, 2007, 2008, 2010 - 2012 are available.

2) With refer to residents who answered the questions concerning the smoking behavior. Polls from 1992, 1995, 1999, 2003, 2005, 2009 are available. (The results of the 2013 microcensus are not yet incorporated.)

3) Lung, laryngeal and tracheal cancer.

Source: Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus), Question on health problems (Data for total)

Bundeszentrale für gesundheitliche Aufklärung (Federal Centre of Health Education) – „Die Drogenaffinität Jugendlicher in Deutschland“ (1993 – 2001, 2004, 2008 [published May 2009]) (Data for adolescents, 12 to 17 years)

Bundeszentrale für gesundheitliche Aufklärung (Federal Centre of Health Education) – „Rauchfrei, Förderung des Nichtrauchens bei Jugendlichen“ (2003, 2005, 2007) (Data for adolescents, 12 to 17 years)

Bundeszentrale für gesundheitliche Aufklärung (Federal Centre of Health Education): Der Tabakkonsum Jugendlicher und junger Erwachsener in Deutschland 2012 (Juni 2013). Kurzfassung: [www.bzga.de/forschung/studien-untersuchungen/studien/suchtpraevention/](http://www.bzga.de/forschung/studien-untersuchungen/studien/suchtpraevention/)

Statistisches Bundesamt (Federal Statistical Office), Todesursachenstatistik (Causes of death statistics)

#### 4. Further information

In German: Gesundheitsberichterstattung (GBE) ([www.gbe-bund.de](http://www.gbe-bund.de))

II. Quality of life  
Health and nutrition

## 14e Proportion of adults suffering from obesity

### 1. Definition

Proportion of obese adults (18 years and older), who have answered the questions on body weight and height and have a BMI (body mass index) of 30 and above, in the population of the same age. The BMI is calculated from the ratio of body weight in kilograms to height in metres squared. People with a BMI of 30+ are classified as obese according to the classification of the World Health Organisation (WHO). Age and gender are not taken into consideration.

### 2. Data on the time series of the indicator

No.	Specification	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
		in percent										
1	Total of obese people 1) .....	11.5	-	-	-	12.9	-	13.6	-	-	-	14.7
2	Obese men.....	12.1	-	-	-	13.6	-	14.4	-	-	-	15.7
3	Obese women.....	11.0	-	-	-	12.3	-	12.8	-	-	-	13.8

### 3. Supplementary data

No.	Specification	2009											
		Total				Men				Women			
		of which with a body mass index from ... to under ...				of which with a body mass index from ... to under ...				of which with 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 <sup>1)</sup>	in percent <sup>1)</sup>											
4	Total.....	2.1	46.5	36.7	14.7	0.7	39.2	44.4	15.7	3.4	53.7	29.1	13.8
	at age from ... to under ... years												
5	18 - 20 .....	8.4	73.9	14.4	3.3	4.8	73.4	17.9	3.8	12.5	74.5	10.3	2.6
6	20 - 25 .....	5.8	70.7	18.6	4.9	2.6	68.8	23.3	5.4	9.4	72.9	13.4	4.3
7	25 - 30 .....	3.7	64.6	24.4	7.3	1.0	59.2	31.9	7.9	6.6	70.5	16.2	6.7
8	30 - 35 .....	2.6	57.3	30.2	9.8	0.6	48.1	39.8	11.5	4.8	67.1	20.0	8.0
9	35 - 40 .....	2.0	52.6	33.7	11.7	0.4	41.6	44.5	13.6	3.7	64.2	22.3	9.7
10	40 - 45 .....	1.6	50.5	35.3	12.6	0.3	39.3	45.9	14.5	2.9	62.9	23.6	10.5

No.	Specification	2009											
		Total				Men				Women			
		of which with a body mass index from ... to under ...				of which with a body mass index from ... to under ...				of which with 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
11	45 - 50 .....	1.4	45.9	38.0	14.7	0.4	34.7	47.9	17.1	2.4	57.8	27.5	12.3
12	50 - 55 .....	1.2	41.9	39.8	17.1	0.4	31.8	48.8	19.0	2.1	52.2	30.5	15.2
13	55 - 60 .....	1.2	36.5	42.0	20.4	0.4	28.5	49.5	21.6	1.9	44.6	34.4	19.1
14	60 - 65 .....	0.9	34.1	44.2	20.8	/	26.4	51.1	22.3	1.4	41.8	37.4	19.3
15	65 - 70 .....	1.0	33.9	44.7	20.4	0.3	26.8	51.6	21.3	1.6	40.5	38.3	19.7
16	70 - 75 .....	0.9	31.2	46.6	21.3	0.3	25.8	52.9	21.0	1.3	36.1	40.9	21.6
17	75 and over .....	2.0	39.1	42.7	16.2	0.8	34.0	49.7	15.5	2.8	42.4	38.2	16.6

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. (The results of the 2013 microcensus are not yet incorporated.)

#### 4. Further Information

Robert-Koch-Institut: Kinder- und Jugendgesundheitssurvey

II. Quality of life  
Crime

## 15 Criminal offences

### 1. Definition

Number of criminal offences reported each year to the police and recorded in the Police Crime Statistics (Polizeiliche Kriminalstatistik) per 100,000 inhabitants (frequency).  
The population figure is given by projecting the 2012 population and does not yet incorporate the results of the 2011 census.

### 2. Data on the time series of the indicator

No.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		Reported cases per 100,000 population														
1	Offence rate.....	8,337	8,179	7,625	7,736	7,894	7,963	8,037	7,747	7,647	7,635	7,437	7,383	7,253	7,328	7,327

### 3. Supplementary data

No.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		Reported cases in 1,000														
2	Burglaries in home (435*) 1).....	227	211	140	134	130	123	124	110	106	109	108	114	121	133	144
3	Share of total crime (%)..... <i>Specification: (3) = (2) / (8) * 100</i>	3.4	3.2	2.2	2.1	2.0	1.9	1.9	1.7	1.7	1.7	1.8	1.9	2.0	2.2	2.4
4	Bodily injuri (2220) 1).....	88	96	117	120	127	133	140	147	151	155	151	149	143	139	136
5	Share of total crime (%)..... <i>Specification: (5) = (4) / (8) * 100</i>	1.3	1.4	1.9	1.9	2.0	2.0	2.1	2.3	2.4	2.5	2.5	2.5	2.4	2.3	2.3
6	Fraud accounted (5100) 1).....	528	623	771	793	788	876	942	950	954	913	888	956	968	935	959
7	Share of total crime (%)..... <i>Specification: (7) = (6) / (8) * 100</i>	7.8	9.3	12.3	12.5	12.1	13.3	14.2	14.9	15.1	14.5	14.5	15.8	16.3	15.6	16.0
8	Total crime (total offences).....	6,751	6,669	6,265	6,364	6,507	6,572	6,633	6,392	6,304	6,285	6,114	6,054	5,933	5,991	5,997



No.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		1993 = 100														
9	Burglaries in home (435*) 1).....	100	93.0	61.7	58.9	57.3	54.3	54.7	48.3	46.7	48.1	47.7	50.1	53.4	58.4	63.5
10	Bodily injuri (2220) 1).....	100	109.1	133.2	137.1	144.6	151.1	159.2	167.6	171.9	176.4	172.3	170.1	162.8	158.4	155.0
11	Fraud accounted (5100) 1).....	100	117.9	146.0	150.1	149.2	165.8	178.2	179.8	180.6	172.8	168.0	180.9	183.2	176.9	181.4
12	Total crime (total offences).....	100	98.8	92.8	94.3	96.4	97.4	98.3	94.7	93.4	93.1	90.6	89.7	87.9	88.7	88.8

1) Code of the Police Crime Statistics.

Source: Bundeskriminalamt (Federal Criminal Police Office), 2013, Polizeiliche Kriminalstatistik (Police Crime Statistics) 2012

#### 4. Further Information

III. Social cohesion  
Employment

## 16a, b Employment rate

### 1. Definition

Share of the persons employed between 15 and 64 years (16a), and 55 and 64 years (16b) in the total population of the respective age group.

The population data are taken from the microcensus, the results of the 2011 census are not yet incorporated. The working population consists of people who, during the week under survey, engaged in some kind of activity for at least one hour for which they received compensation, or did not work because they were absent from their workplace temporarily.

### 2. Data on the time series of the indicator

No.	Age from ... to ...	Specification	1993	1995	2000	2001	2002	2003	2004	2005 <sup>1)</sup>	2006	2007	2008	2009	2010 <sup>2)</sup>	2011	2012
			Employment rate in percent														
1	15 - 64 years	Total.....	65.1	64.6	65.4	65.8	65.4	64.9	64.3	65.4	67.1	68.9	70.0	70.2	71.0	72.4	72.6
2		Of which: men.....	75.0	73.9	72.8	72.7	71.9	70.9	70.1	71.2	72.7	74.5	75.7	75.3	75.9	77.1	77.3
3		Women.....	54.9	55.1	57.7	58.8	58.8	58.8	58.4	59.5	61.4	63.1	64.2	65.1	66.0	67.5	67.8
4	55 - 64 years	Total.....	35.4	37.7	37.5	37.8	38.7	39.4	41.2	45.4	48.0	51.2	53.6	55.9	57.5	59.6	61.2
5		Of which: men.....	47.4	48.4	46.3	46.4	47.3	47.9	49.4	53.4	55.9	59.2	61.5	63.5	64.7	66.6	68.1
6		Women.....	23.7	27.2	28.7	29.2	30.1	31.0	33.2	37.6	40.2	43.3	45.9	48.5	50.4	52.9	54.6

### 3. Supplementary data

No.	Age from ... to ...	Specification	1993	1995	2000	2001	2002	2003	2004	2005 <sup>1)</sup>	2006	2007	2008	2009	2010 <sup>2)</sup>	2011	2012
			Employment rate in percent														
7	15 - 24 years	Total.....	53.0	49.0	47.5	47.8	45.9	44.7	42.5	42.5	44.0	45.8	47.1	46.4	46.7	48.0	46.5
8		Of which: men.....	55.7	52.5	51.1	50.8	48.6	47.0	44.8	44.8	46.2	48.1	49.6	48.5	48.9	50.0	48.4
9		Women.....	50.0	45.3	43.7	44.7	43.0	42.4	40.0	40.1	41.5	43.4	44.5	44.3	44.5	46.0	44.5
10	25 - 54 years	Total.....	76.7	76.8	79.2	79.4	78.8	78.0	77.0	77.2	78.7	80.1	80.8	80.7	81.3	82.6	83.0
11		Of which: men.....	87.8	87.0	87.2	86.7	85.5	84.2	83.0	83.5	84.6	86.2	86.8	85.9	86.3	87.4	87.8
12		Women.....	65.3	66.1	71.0	71.8	71.9	71.7	70.9	70.9	72.6	74.0	74.7	75.3	76.3	77.7	78.1

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

2) From 2010: Definition of the employment status adjusted to international provisions (modified treatment of persons who are absent from their workplace for more than three months). This slightly affects the comparability over time.

Source: Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus)  
Statistical Office of the European Communities, Labour force survey, 2012

No.	Specification	1993	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Persons in employment in 1,000																
13	Total.....	36,380	36,048	36,604	36,816	36,536	36,172	35,659	36,566	37,344	38,163	38,734	38,662	38,938	39,869	40,161
14	Of which: men.....	21,296	20,939	20,680	20,629	20,336	19,996	19,681	20,135	20,477	20,890	21,188	20,972	21,049	21,499	21,670
15	Women.....	15,084	15,109	15,924	16,187	16,200	16,176	15,978	16,432	16,867	17,272	17,546	17,690	17,892	18,370	18,490
16	Total full-time employment.....	30,897	30,184	29,488	29,324	28,893	28,271	27,720	27,818	27,719	28,245	28,753	28,606	28,768	29,270	29,454
17	Of which: men.....	20,685	20,188	19,596	19,493	19,152	18,717	18,381	18,576	18,569	18,924	19,218	18,949	19,015	19,287	19,390
18	Women.....	10,212	9,996	9,893	9,831	9,741	9,554	9,339	9,242	9,149	9,321	9,536	9,656	9,755	9,983	10,064
19	Total part-time employment.....	5,483	5,864	7,115	7,492	7,643	7,901	7,939	8,748	9,625	9,918	9,981	10,057	10,171	10,599	10,706
20	Of which: men.....	611	751	1,084	1,136	1,184	1,279	1,301	1,558	1,907	1,967	1,971	2,023	2,036	2,212	2,280
21	Women.....	4,873	5,113	6,031	6,355	6,459	6,622	6,639	7,190	7,718	7,951	8,010	8,034	8,134	8,387	8,427

Source: Statistisches Bundesamt (Federal Statistical Office), Mikrozensus (Microcensus)

#### 4. Further Information

## III. Social cohesion

## Prospects for families

## 17a,b All-day care provision for children

## 1. Definition

Share of children in all-day care (more than seven hours without publicly funded care in private homes) as percentage of all children from the respective age groups:

0- to 2-year-olds (17a) as well as 3- to 5-year-olds (17b). Data of survey: 1 March.

Data on population (by age groups) are based on updating of former census results.

The results of the 2011 census are not yet incorporated.

## 2. Data on the time series of the indicator

No.	Specification	2006	2007	2008	2009	2010	2011	2012	2013
		in percent							
1	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
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

## 3. Supplementary data

No.	Specification	2006		2007		2008		2009		2010		2011		2012		2013	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
	Children in institutional all-day care	Children aged 0- to 2-years in institutional all-day care															
3	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	17,831	6.6	19,889	7.3
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	22,445	7.1	25,451	7.9
5	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	25,615	26.1	27,235	27.1
6	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	18,511	32.2	19,073	33.0
7	Bremen.....	436	2.7	583	3.6	747	4.6	828	5.1	1,020	6.2	1,390	8.5	1,590	9.8	1,771	10.9
8	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	9,416	19.0	10,020	19.9
9	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	17,738	11.4	19,984	12.8
10	Mecklenburg-Vorpommern (Mecklenburg-West-Pomeria).....	6,937	18.1	7,095	18.7	7,433	19.7	8,474	22.1	9,325	24.0	9,927	25.1	10,937	27.9	11,648	29.9
11	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	11,193	5.9	13,425	7.1
12	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	30,222	6.9	33,238	7.6
13	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	11,084	11.7	12,122	12.7
14	Saarland.....	859	3.8	1,012	4.5	1,270	5.8	1,609	7.4	2,021	9.5	2,439	11.5	2,857	13.5	3,427	16.2
15	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	33,134	31.9	34,225	32.6
16	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	18,964	36.9	19,504	38.1
17	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	4,755	7.1	5,632	8.4
18	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	21,427	41.4	22,613	43.1
19	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	257,719	12.7	279,257	13.7
20	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	129,131	8.0	144,959	8.9
21	New Länder without 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	102,973	33.9	107,063	35.1

No.	Specification	2006		2007		2008		2009		2010		2011		2012		2013	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Children in institutional all-day care		Children aged 3- to 5-years in institutional all-day care															
22	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	45,204	16.1	49,582	17.6
23	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	87,583	26.9	94,918	29.1
24	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	53,311	58.1	56,336	59.5
25	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	34,705	58.6	36,476	60.4
26	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	4,256	26.4	4,858	30.0
27	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	17,943	37.9	19,541	41.0
28	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	65,006	41.3	69,785	44.2
29	Mecklenburg-Vorpommern (Mecklenburg-West-Pomeria).....	17,640	46.1	18,426	48.5	19,665	51.6	20,691	54.8	20,983	55.9	21,791	58.0	23,792	61.6	25,087	63.8
30	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	37,516	18.8	42,437	21.4
31	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	171,870	37.8	179,586	39.7
32	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	44,003	44.7	45,654	46.6
33	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	7,548	34.8	8,408	39.1
34	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	76,853	76.2	80,185	77.9
35	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	32,660	63.4	33,879	65.0
36	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	15,294	21.3	17,232	24.1
37	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	44,467	87.4	45,582	88.1
38	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	762,011	36.9	809,546	39.1
39	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	496,223	29.6	532,001	31.8
40	New Länder without 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	212,477	70.6	221,209	72.2

No.	Specification	2002	2006	2007	2008	2009	2010	2011	2012	2013
		Number								
41	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	167,766
42	Children aged 6- to 13-years in part-time care .....	—	660,466	668,111	656,821	650,952	643,993	640,535	618,331	614,159
43	Full-time pupils 1) in general education schools.....	873,935	1,484,462	1,718,740	1,923,805	2,106,520	2,152,088	2,317,928	...	...
44	Including: primary schools.....	133,506	399,666	499,591	566,103	625,518	646,868	731,704	...	...
		in percent								
45	Full-time pupils 1) in general education schools.....	9.8	17.6	20.9	24.1	26.9	28.1	30.6	...	...
46	Including: primary schools.....	4.2	12.7	16.2	18.9	21.5	22.8	26.2	...	...
		number								
47	Live births.....	719,250	672,724	684,862	682,514	665,126	677,947	662,685	673,544	...

1) Information by the conference of the ministers of education (Kultusministerkonferenz).

Source: Statistisches Bundesamt (Federal Statistical Office), 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: Statistisches Bundesamt: Kindertagesbetreuung regional - Ein Vergleich aller 402 Kreise in Deutschland - 2013

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

III. Social cohesion  
Equal opportunities

## 18 Gender pay gap

### 1. Definition

Difference between average gross hourly wages of women and men expressed as percentage of men's earnings.

### 2. Data on the time series of the indicator

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
		in percent														
1	Difference between average gross hourly wages of women and men in percent of men's earnings 1).....	21	21	21	22	23	23	22	23	23	23	23	22	22	22	22

### 3. Supplementary data

No.	Specification	2010			2011			2012			2013		
		Men	Women	Share of women <sup>2)</sup>	Men	Women	Share of women <sup>2)</sup>	Men	Women	Share of women <sup>2)</sup>	Men	Women	Share of women <sup>2)</sup>
		Euro		in %	Euro		in %	Euro		in %	Euro		in %
	Average gross monthly earnings of employees by selected economic sectors including:												
2	Health and social work.....	3,883	2,784	77.4	4,000	2,861	77.4	4,122	2,931	77.5	4,204	2,992	77.6
3	Clothing industry.....	3,764	2,365	74.9	3,864	2,412	74.7	3,727	2,410	75.3	3,849	2,537	73.6
4	Retail sales.....	2,809	2,211	71.5	2,828	2,242	71.1	3,050	2,323	70.0	2,956	2,323	70.2
5	Mechanical engineering.....	3,636	3,002	17.4	3,835	3,157	17.3	3,954	3,277	16.4	4,055	3,388	16.2
6	Vehicle manufacturing.....	3,948	3,335	13.7	4,153	3,512	13.8	4,277	3,566	14.9	4,414	3,734	14.8
7	Construction work.....	2,690	2,532	15.4	2,784	2,615	15.5	2,882	2,647	14.8	2,859	2,749	11.6

1) Because of changes to the applied method made in 2002 and 2006, the gender pay gap probably rose by one percentage point in each of these years.

2) Share of women in employed persons.

Source: Statistisches Bundesamt (Federal Statistical Office), 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/EN/Publications/STATmagazin/EarningsLabourCosts/2013\\_03/2013\\_03GenderPayGap.html](http://www.destatis.de/EN/Publications/STATmagazin/EarningsLabourCosts/2013_03/2013_03GenderPayGap.html)

III. Social cohesion  
Integration

## 19 Foreign school leavers with a school leaving certificate

### 1. Definition

Share of foreign school leavers from general schools with school leaving certificates (at least the *Hauptschule* certificate) in all foreign school leavers in the year under review.

### 2. Data on the time series of the indicator

No.	Specification	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		in percent													
1	Share of foreign school leavers with a school leaving certificate.....	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
	of which:														
2	Foreign school leavers with Hauptschule leaving certificate.....	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
3	Foreign school leavers with Realschule 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
4	Foreigners with university or university applied sciences entrance certification.....	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
5	Share of german school leavers with a school leaving certificate.....	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

### 3. Supplementary data

No.	Specification	1996	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		in percent													
5	Share of german school leavers with a school leaving certificate.....	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
	davon:														
6	German citizens with Hauptschule leaving certificate.....	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
7	German citizens with Realschule 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
8	German citizens with university or university applied sciences entrance certification.....	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

No.	Specification	2006								
		School leavers			of which					
					German citizens			Foreign citizens		
		total	male	female	total	male	female	total	male	female
		Number								
9	School leavers.....	969,598	495,349	474,249	882,669	450,133	432,536	86,929	45,216	41,713
10	Without any school leaving certificate .....	75,897	47,857	28,040	61,331	38,905	22,426	14,566	8,952	5,614
11	With Hauptschule leaving certificate .....	237,247	136,985	100,262	201,014	117,593	83,421	36,233	19,392	16,841
12	With Realschule leaving certificate .....	398,176	196,690	201,486	371,434	183,916	187,518	26,742	12,774	13,968
13	With entrance qualification for a university of applied sciences ...	14,260	6,677	7,583	12,977	6,129	6,848	1,283	548	735
14	With general university entrance qualification .....	244,018	107,140	136,878	235,913	103,590	132,323	8,105	3,550	4,555

No.	Specification	2 008								
		School leavers			of which					
					German citizens			Foreign citizens		
		total	male	female	total	male	female	total	male	female
		Number								
	School leavers.....	929,454	470,861	458,593	842,466	426,453	416,013	86,988	44,408	42,580
15	Without any school leaving certificate .....	64,918	39,872	25,046	51,906	32,002	19,904	13,012	7,870	5,142
16	With Hauptschule leaving certificate .....	210,307	120,597	89,710	175,346	101,862	73,484	34,961	18,735	16,226
17	With Realschule leaving certificate .....	373,500	186,666	186,834	345,144	173,452	171,692	28,356	13,214	15,142
18	With entrance qualification for a university of applied sciences ...	14,179	6,538	7,641	12,820	5,966	6,854	1,359	572	787
19	With general university entrance qualification .....	266,550	117,188	149,362	257,250	113,171	144,079	9,300	4,017	5,283

No.	Specification	2 009								
		School leavers			of which					
					German citizens			Foreign citizens		
		total	male	female	total	male	female	total	male	female
		Number								
20	School leavers.....	893,560	450,769	442,791	809,769	408,067	401,702	83,791	42,702	41,089
21	Without any school leaving certificate .....	58,354	35,505	22,849	46,752	28,610	18,142	11,602	6,895	4,707
22	With Hauptschule leaving certificate .....	191,956	110,085	81,871	159,375	92,726	66,649	32,581	17,359	15,222
23	With Realschule leaving certificate .....	361,380	179,888	181,492	332,561	166,083	166,478	28,819	13,805	15,014
24	With entrance qualification for a university of applied sciences ...	13,312	6,383	6,929	12,053	5,809	6,244	1,259	574	685
25	With general university entrance qualification .....	268,558	118,908	149,650	259,028	114,839	144,189	9,530	4,069	5,461



No.	Specification	2 010								
		School leavers			of which					
					German citizens			Foreign citizens		
		total	male	female	total	male	female	total	male	female
Number										
20	School leavers.....	865,316	438,204	427,112	782,873	396,525	386,348	82,443	41,679	40,764
21	Without any school leaving certificate .....	53,058	32,351	20,707	42,498	26,085	16,413	10,560	6,266	4,294
22	With Hauptschule leaving certificate .....	179,753	103,904	75,849	148,765	87,264	61,501	30,988	16,640	14,348
23	With Realschule leaving certificate .....	350,856	176,425	174,431	321,481	162,571	158,910	29,375	13,854	15,521
24	With entrance qualification for a university of applied sciences ...	13,455	6,406	7,049	12,167	5,819	6,348	1,288	587	701
25	With general university entrance qualification .....	268,194	119,118	149,076	257,962	114,786	143,176	10,232	4,332	5,900

No.	Specification	2 011								
		School leavers			of which					
					German citizens			Foreign citizens		
		total	male	female	total	male	female	total	male	female
Number										
20	School leavers.....	882,913	445,008	437,905	802,361	404,003	398,358	80,552	41,005	39,547
21	Without any school leaving certificate .....	49,560	29,874	19,686	40,072	24,205	15,867	9,488	5,669	3,819
22	With Hauptschule leaving certificate .....	168,660	97,595	71,065	140,005	81,978	58,027	28,655	15,617	13,038
23	With Realschule leaving certificate .....	339,758	172,048	167,710	310,818	158,143	152,675	28,940	13,905	15,035
24	With entrance qualification for a university of applied sciences ...	13,769	6,525	7,244	12,516	5,959	6,557	1,253	566	687
25	With general university entrance qualification .....	311,166	138,966	172,200	298,950	133,718	165,232	12,216	5,248	6,968

No.	Specification	2 012								
		School leavers			of which					
					German citizens			Foreign citizens		
		total	male	female	total	male	female	total	male	female
Number										
20	School leavers.....	868,790	439,463	429,327	790,253	399,700	390,553	78,537	39,763	38,774
21	Without any school leaving certificate .....	47,648	28,731	18,917	38,706	23,437	15,269	8,942	5,294	3,648
22	With Hauptschule leaving certificate .....	157,498	91,714	65,784	131,535	77,432	54,103	25,963	14,282	11,681
23	With Realschule leaving certificate .....	344,527	174,100	170,427	314,886	159,885	155,001	29,641	14,215	15,426
24	With entrance qualification for a university of applied sciences ...	13,945	6,649	7,296	12,658	6,068	6,590	1,287	581	706
25	With general university entrance qualification .....	305,172	138,269	166,903	292,468	132,878	159,590	12,704	5,391	7,313

No.	Specification	2000		2001		2002		2003		2004		2005		2006	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
26	Foreign citizens in Germany..... including:	7,267,568	8.8	7,318,263	8.9	7,347,951	8.9	7,341,820	8.9	7,287,980	8.8	7,289,149	8.8	7,255,949	8.8
27	Foreign citizens in general schools	950,486	9.5	955,718	9.7	961,381	9.8	962,835	9.9	951,314	9.9	929,531	9.8	897,740	9.6
28	Foreign citizens in vocational schools.....	204,828	7.6	200,445	7.4	194,328	7.2	192,808	7.1	191,384	6.9	188,538	6.8	186,827	6.7

No.	Specification	2007		2008		2009		2010		2011		2012	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
26	Foreign citizens in Germany..... including:	7,255,395	8.8	7,185,921	8.8	7,130,100	8.7	7,199,000	8.8	6,328,000 1)	7.9 1)	6,628,000 1)	8.2 1)
27	Foreign citizens in general schools	852,663	9.3	805,979	8.9	766,121	8.6	727,030	8.3	665,960	7.7	627,995	7.3
28	Foreign citizens in vocational schools.....	189,339	6.8	195,972	7.0	202,418	7.3	205,844	7.7	206,468	7.9	206,769	8.1

1) From 2011 onward data are based on updating of 2011 census results.

Source: Statistisches Bundesamt (Federal Statistical Office), Schulstatistik (Statistics on schools of general education), Bevölkerungsstatistik (Demographic statistics)

#### 4. Further Information

In German: Statistisches Bundesamt: Allgemeinbildende Schulen, Fachserie 11, Reihe 1

In German: Statistisches Bundesamt: Berufliche Schulen, Fachserie 11, Reihe 2

In German: Statistisches Bundesamt: Bevölkerung und Erwerbstätigkeit, Fachserie 1, Reihe 1.3

In German: Konsortium Bildungsberichterstattung: Bildung in Deutschland 2012

In German: Daniela Nold: Sozioökonomischer Status von Schülerinnen und Schülern 2008 - Ergebnisse des Mikrozensus, in: Statistisches Bundesamt, Wirtschaft und Statistik 2/2010, S. 138 ff.

## IV. International responsibility

## Development cooperation

## 20 Share of expenditure for official development assistance in gross national income

## 1. Definition

Share of the expenditure for Official Development Assistance (ODA) in gross national income.

ODA mainly includes expenditure for financial and technical cooperation with developing countries as well as contributions to multilateral institutions for development cooperation (such as the United Nations, European Union, World Bank, regional development banks). Furthermore, waivers of debt as well as costs for specific development assistance provided in the donor country, such as cost of studies for students from developing countries or expenditure for development-specific research are attributable to ODA. The data are taken from the yearly report to the Development Assistance Committee of the OECD.

## 2. Data on the time series of the indicator

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		in percent													
1	Share of expenditure for ODA in gross national income..... <i>Specification: (1)= (2) / (3)</i>	0.31	0.27	0.27	0.27	0.28	0.28	0.36	0.36	0.37	0.38	0.35	0.39	0.39	0.37
		Euro bn													
2	Expenditure for official development assistance (ODA).....	5.5	5.5	5.6	5.6	6.0	6.1	8.1	8.3	9.0	9.7	8.7	9.8	10.1	10.1
3	Gross national income (GNI) 1).....	1,791.8	2,020.3	2,065.6	2,108.8	2,118.2	2,196.7	2,251.2	2,335.0	2,447.4	2,531.9	2,444.0	2,535.3	2,620.4	2,707.9

## 3. Supplementary data

No.	Specification	2006	2007	2008	2009	2010	2011	2012
	Donor countries with highest expenditure for ODA (ranking according to 2012)	US-\$ bn						
4	USA.....	23.53	21.79	26.44	28.83	30.35	30.92	30.69
5	Great Britain.....	12.46	9.85	11.50	11.28	13.05	13.83	13.89
6	Germany.....	10.43	12.29	13.98	12.08	12.99	14.09	12.94
7	France.....	10.60	9.88	10.91	12.60	12.92	13.00	12.03
8	Japan.....	11.14	7.70	9.60	9.47	11.06	10.83	10.60
9	Canada.....	3.68	4.08	4.79	4.00	5.21	5.46	5.65
10	Netherlands.....	5.45	6.22	6.99	6.43	6.36	6.34	5.52
11	Australia.....	2.12	2.67	2.95	2.76	3.83	4.98	5.40
12	Sweden.....	3.95	4.34	4.73	4.55	4.53	5.60	5.24
13	Norway.....	2.95	3.73	4.01	4.08	4.37	4.76	4.75

No.	Specification	2006	2007	2008	2009	2010	2011	2012
Donor countries with highest shares of ODA in GNI (ranking according to 2012)		in percent						
14	Luxembourg.....	0.89	0.92	0.97	1.04	1.05	0.97	1.00
15	Sweden.....	1.02	0.93	0.98	1.12	0.97	1.02	0.97
16	Norway.....	0.89	0.95	0.89	1.06	1.05	0.96	0.93
17	Denmark.....	0.80	0.81	0.82	0.88	0.91	0.85	0.83
18	Netherlands.....	0.81	0.81	0.80	0.82	0.81	0.75	0.71
19	Great Britain.....	0.51	0.36	0.43	0.51	0.57	0.56	0.56
20	Finland.....	0.40	0.39	0.44	0.54	0.55	0.53	0.53
21	Belgium.....	0.50	0.43	0.48	0.55	0.64	0.54	0.47
22	Ireland.....	0.54	0.55	0.59	0.54	0.52	0.51	0.47
23	Switzerland.....	0.38	0.37	0.42	0.44	0.39	0.46	0.47

No.	Specification	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		in percent										
24	Official development assistance by sectors.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Bilateral.....	62.5	59.8	50.7	73.9	67.4	64.7	64.8	58.8	62.0	61.7	66.3
26	Subsidies.....	73.3	69.8	59.9	81.8	72.6	65.8	67.2	55.9	53.3	53.2	64.1
27	Technical cooperation.....	33.4	33.9	33.0	28.4	29.9	28.7	29.9	37.4	34.5	33.3	38.6
28	Subsidies of financial cooperation.....	10.5	8.9	8.5	8.1	7.3	7.6	8.2	10.4	10.5	9.0	9.9
29	Development-oriented food aid.....	0.4	0.4	0.3	0.2	0.2	0.4	0.4	0.5	0.4	0.5	0.9
30	Emergency and refugee aid.....	4.2	2.7	2.7	3.3	3.4	2.3	2.2	3.1	2.6	3.0	3.0
31	Waivers of debt.....	19.5	19.7	10.8	38.7	28.9	24.4	23.5	1.2	1.3	3.2	6.6
32	Administrative expenses.....	4.6	3.5	3.3	2.0	2.2	2.1	2.1	2.4	3.0	3.1	3.8
33	Other.....	0.6	0.8	1.3	0.9	0.7	0.3	0.9	0.9	1.1	1.1	1.2
34	Loan/participation.....	-10.8	-10.0	-9.2	-7.9	-5.2	-1.1	-2.4	2.9	8.8	8.6	2.3
35	Multilateral.....	37.5	40.2	49.3	26.1	32.6	35.3	35.2	41.2	38.0	38.3	33.7
36	Subsidies and payment by capital shares.....	37.5	40.2	49.3	26.1	32.6	35.3	35.2	41.2	38.0	38.3	33.7
37	United Nations.....	8.2	3.9	4.3	2.0	2.1	2.2	2.1	3.0	2.7	2.6	2.6
38	European Union.....	23.6	23.6	25.0	21.9	20.6	20.0	20.1	23.9	22.5	19.2	18.8
39	World Bank.....	0.4	7.2	15.2	0.0	5.7	8.9	8.1	8.5	5.9	10.1	6.1
40	Regional development banks.....	3.7	2.2	2.3	0.5	2.9	1.5	1.9	2.3	2.3	2.2	2.4
41	Other.....	1.5	3.3	2.5	1.8	1.3	2.7	2.9	3.5	4.5	4.1	3.7

1) Therefore diverging from SNA results. GNI as of May of the following year.

Source: Statistisches Bundesamt (Federal Statistical Office), Statistik der Entwicklungszusammenarbeit (Statistics for development assistance)  
Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung (Federal Ministry for Economic Cooperation 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, yearly call over [www.oecd.org](http://www.oecd.org)

## IV. International responsibility

## Opening markets

## 21 German imports from developing countries

## 1. Definition

Value of the imports from developing countries into Germany excluding imports from the so-called advanced developing countries, but including the European developing countries, such as Albania, Belarus or Turkey. The classification of developing countries is based on the DAC List of Aid Recipients prepared by the Development Assistance Committee of the OECD.

## 2. Data on the time series of the indicator

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		Euro bn													
1	German imports from developing countries.....	40.9	70.0	71.5	70.9	73.8	87.5	104.3	126.6	140.2	152.0	128.4	167.8	187.1	185.3
	of which:														
2	From ACP countries including the least developed ACP countries 1).....	4.2	6.1	7.0	6.5	6.6	6.1	6.9	9.3	10.2	11.1	8.7	10.9	14.6	13.7
3	From other developing countries.....	36.7	63.9	64.5	64.4	67.2	81.3	97.4	117.3	130.0	140.9	119.7	156.9	172.5	171.6

## 3. Supplementary data

No.	Specification	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
		Euro bn													
4	Total german imports.....	339.6	538.3	542.8	518.5	534.5	575.4	628.1	734.0	769.9	805.8	664.6	797.1	902.5	905.9
5	Including: from developing countries.....	40.9	70.0	71.5	70.9	73.8	87.5	104.3	126.6	140.2	152.0	128.4	167.8	187.1	185.3
6	In Africa.....	5.9	9.2	9.2	8.6	8.4	11.1	13.8	16.7	16.5	20.7	14.2	17.0	21.9	24.1
7	In Central and South America.....	7.6	10.1	10.0	9.4	10.1	11.4	13.9	18.0	21.3	23.3	17.7	21.9	26.3	24.8
8	In Asia.....	19.9	40.2	41.0	41.5	46.4	55.1	64.8	78.1	86.9	93.1	84.1	113.9	121.6	119.0
9	Including: China.....	8.2	18.6	19.9	21.3	25.7	32.8	40.8	50.0	56.4	60.8	56.7	77.3	79.5	78.5
10	In Oceania.....	0.2	0.2	0.2	0.1	0.3	0.3	0.4	0.6	0.9	0.4	0.3	0.3	0.4	0.4
11	In Europe.....	7.1	10.4	11.0	11.2	8.7	9.6	11.5	13.1	14.6	14.5	12.1	14.7	16.9	16.9
		in percent													
12	Total german imports.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
13	Including: from developing countries.....	12.0	13.0	13.2	13.7	13.8	15.2	16.6	17.2	18.2	18.9	19.3	21.1	20.7	20.5
14	In Africa.....	1.7	1.7	1.7	1.7	1.6	1.9	2.2	2.3	2.1	2.6	2.1	2.1	2.4	2.7
15	In Central and South America.....	2.3	1.9	1.8	1.8	1.9	2.0	2.2	2.5	2.8	2.9	2.7	2.8	2.9	2.7
16	In Asia.....	5.9	7.5	7.6	8.0	8.7	9.6	10.3	10.6	11.3	11.6	12.7	14.3	13.5	13.1
17	Including: China.....	2.4	3.4	3.7	4.1	4.8	5.7	6.5	6.8	7.3	7.5	8.5	9.7	8.8	8.7
18	In Oceania.....	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
19	In Europe.....	2.1	1.9	2.0	2.2	1.6	1.7	1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.9

No.	Specification	2012	
		Imports from developing countries	Share in total imports
		Euro mn	in percent
	German imports from developing countries by groups of goods according to production statistics		
20	Products of agriculture and hunting.....	10,350.8	37.1
21	Products of forestry.....	66.8	10.2
22	Fish and products of fishing.....	28.3	5.9
23	Coal and lignite.....	908.2	19.7
24	Crude petroleum and natural gas.....	20,257.0	20.7
25	Metal ores.....	5,882.0	70.9
26	Other mining and quarrying products.....	355.0	22.8
27	Food products.....	8,070.2	20.4
28	Beverages.....	284.8	5.4
29	Tabacco products.....	53.8	5.0
30	Textiles.....	3,949.4	40.2
31	Wearing apparel.....	19,374.3	74.7
32	Leather and related products.....	5,844.8	60.6
33	Wood and products of wood and cork, except furniture; articles of straw.....	1,046.1	19.3
34	Pulp, paper and paperboard.....	1,169.3	8.1
35	Coke and refined petroleum products.....	1,123.8	3.8
36	Chemicals and chemical products.....	6,268.2	8.6
37	Pharmaceuticals and pharmaceutical products.....	1,666.3	4.3
38	Rubber and plastic products.....	3,834.1	15.0
39	Glass, non-refractory ceramic goods, treated stone and earth.....	1,768.1	20.2
40	Basic metals.....	6,015.5	10.8
41	Fabricated metal products.....	4,856.0	20.1
42	Office machinery and computers.....	38,277.7	42.7
43	Electrical machinery and apparatus.....	11,025.2	25.2
44	Machinery and equipment.....	10,997.4	16.0
45	Motor vehicles, trailers and semi-trailers.....	7,068.7	8.6
46	Other transport equipment.....	3,659.2	10.1
47	Furniture.....	2,466.8	25.3
48	Electricity.....	0.0	0.0
49	Other goods.....	8,641.7	13.3
50	Total.....	185,309.5	20.5

1) ACP = Africa, the Caribbean and the Pacific Area..

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

#### 4. Further Information

List of abbreviations

General

ACP	Africa, the Caribbean and the Pacific Area
AGEB	Working Group on Energy Balances (Arbeitsgemeinschaft Energiebilanzen)
AK VGRdL	National accounts working group of the Länder (Arbeitskreis Volkswirtschaftliche Gesamtrechnungen der Länder)
BfN	Federal Agency for Nature Conservation (Bundesamt für Naturschutz)
BMI	Body mass index
BZgA	Federal Centre for Health Education (Bundeszentrale für gesundheitliche Aufklärung)
DAC	Development Assistance Committee
EG	European Communities (Europäische Gemeinschaften)
ESA	European System of Accunts (Europäisches System Volkswirtschaftlicher Gesamtrechnungen [ESVG])
EU	European Union
GDP	Gross domestic product
GNI	Gross national income
ISCED	International Standard Classifikation of Education
ODA	Official Development Assistance
OECD	Organisation for Economic Co-operation and Development
R&D	Research and Development
SS	Summer semester
TREMOD	Transport emissions estimation model
UGR	Environmental-Economic Accounting (EEA)
UMTS	Universal Mobile Telecommunications System
UNFCCC	United Nations Framework Convention on Climate Change
VGR	National accounts
WHO	World Health Organization
WS	Winter semester
ZES	Central system of Emissions (Zentrales System Emissionen)
ZSW	Centre of solar Energy and Hydrogen Research Baden-Württemberg (Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg)

CH <sub>4</sub>	Methane
CO <sub>2</sub>	Carbon dioxide
FKW / PFC	Perfluorocarbons
H-FKW / HFCs	Partly halogenated hydrofluorocarbons
NH <sub>3</sub>	Ammonia
NMVOC	Non-methane volatile organic compounds
NO <sub>x</sub>	Nitrogen oxides
N <sub>2</sub> O	Nitrous oxide
SF <sub>6</sub>	Sulphur hexafluoride
SO <sub>2</sub>	Sulphur dioxide

Measures

ha	hectare
kg	kilogram
km	kilometre
km <sup>2</sup>	square kilometre
m <sup>2</sup>	square metre
MJ	megajoules
tkm	tonne kilometre
bn	billion
mn	million

Explanation of symbols

0	=	less than half of one in the last digit occupied, but more than zero
–	=	no figures or magnitude zero
...	=	data will be available later
.	=	numercial value unknow or not to be disclosed
x	=	cell blocked for logical reasons