

# Economy and Use of Environmental Resources

Tables on Environmental-Economic Accounting  
Part 4: Raw materials, Use of water, Waste water, Waste



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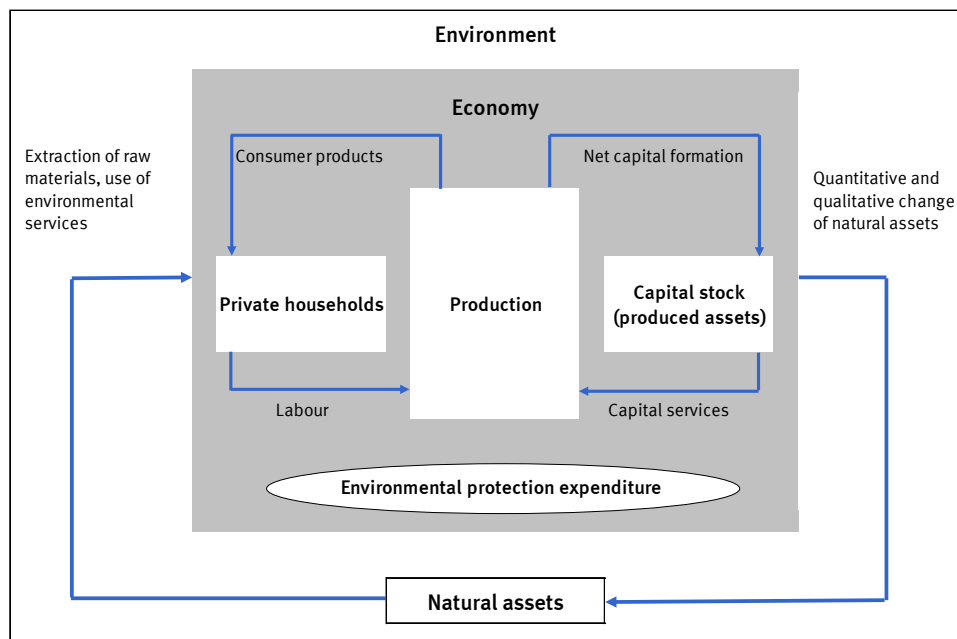
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# 1 Environmental-Economic Accounting of the Federal Statistical Office

Environmental-Economic Accounting (EEA) describes the **interrelationship between the economy and the environment**. For its economic activities, production and consumption an economy not only uses labour and produced assets but also natural assets. Natural assets include raw materials such as sources of energy, ores, other minerals and water as well as land that serves as a location for production, consumption and various leisure activities. These parts of natural assets are used directly. Other components of natural assets are ecosystems and other natural systems such as the atmosphere. They support economic activities by absorbing and eliminating residues and pollutants arising from production and consumption, such as atmospheric emissions, waste and effluent.

Figure 1 shows the interrelationship between economy<sup>1</sup> and environment. On the one hand natural assets are used as input for the economic process. On the other hand the economy discharges residues and pollutants.

Figure 1: Interrelationship economy environment



The use of natural assets – similar to the produced capital stock – generally involves depletion, which means that the burden or **impact on the environment** causes changes in its state and/or natural assets. On the one hand, these changes are of a quantitative nature (e.g. a decreasing amount of non-renewable raw materials); on the other, they have many qualitative aspects (deteriorating air quality due to emissions of pollutants, diminished biodiversity etc.). Attempts are being made to prevent these negative changes with targeted, appropriate environmental protection measures, such as by avoiding environmental burden (e.g. desulphurising flue gas) or remedying damage that has already been done (e.g. cleaning up polluted sites). The interdependencies between the economy and the environment therefore are not restricted to showing the burdens on the environment; in fact the pattern also includes changes to the state of

<sup>1</sup> Both are shown in simplified form in the diagram.

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the environment brought about by pollution and the steps taken to avoid it or repair the damage.

The EEA aims to describe all three forms of interdependence between economy and environment – environmental burden, the environmental state and environmental measures. The description of these interdependencies takes as its starting point the fact, mentioned above, that a national economy not only uses labour and capital but also nature. Therefore, the basic idea is to take the commonly accepted definition of a national economy and expand it by a "factor nature". The System of National Accounts (SNA) provides a comprehensive and systematic definition of economic activity. Principally, they show monetary transactions (flows) and assets using standardised classifications. EEA were conceived as a satellite system for the national accounts, the objective of which is to extend the presentation of the economic process by a depiction of the interrelationship between the economic system and the environment. The environmental flows and inventories are almost always presented in physical units. For example, air emissions are expressed in tonnes, energy consumption in Terajoules, area used for transport and settlement purposes (land use) in square metres.

An important feature is the full compatibility of both systems – the national accounts and the EEA. The underlying concepts, definitions, distinctions, and classifications in both systems match as far as this is logically sensible and possible. This also applies and particularly so for the economic classifications used in the EEA and the SNA. Because of these common concepts, definitions, distinctions and classifications the results of the EEA can be linked internally and to the identically categorised SNA data and they can be analysed jointly. Compatibility with the national accounts permits for example to relate the environmental parameters, which are mostly shown in physical units (such as in tonnes), to the economic indices (in euros). Of particular importance here are the data on the efficiency of environmental use, expressed as an arithmetical ratio of the figure of interest (such as raw materials consumption) to the gross value added (GVA) or to the gross domestic product (GDP). With regard to the details of calculating productivities and intensities see the notes on the tables in Part 1.

The concept underlying the EEA is to express the status quo and the change in natural assets in units of money, so as to be able to determine what is known as corrected macro-economic aggregates, such as the ecological domestic product. Particularly insofar as such evaluations do not assess the quantitative decrease of resources, but refer to qualitative changes of other components, they are problematic in many respects with regard to the methods used (valuation/aggregation problems, restricted knowledge about correlation between cause and effect and considerable regional differences). That is why such calculations tend not to be carried out by the Federal Statistical Office but by scientific research institutes. Consequently, when presenting environmental pollution and the state of the environment EEA of the Federal Statistical Office is restricted to physical data.

Environmental economic accounts and national accounts describe two dimensions of sustainable development – economy and environment – and their interrelationship. Therefore they provide an important and useful data base for political discussions concerning sustainability.

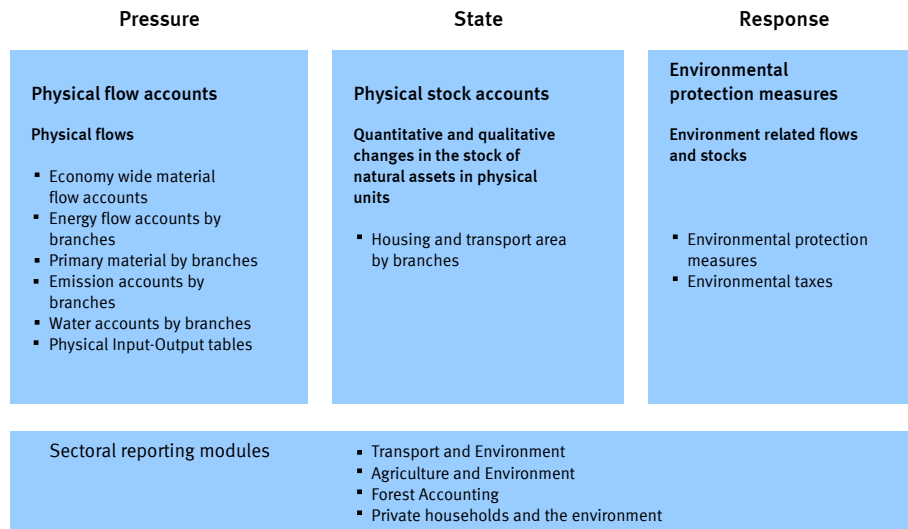
Figure 2 shows the different reporting **modules of the EEA** of the Federal Statistical Office. They reflect the internationally recognized pressure-state-response model, used to statistically show correlations between the environment and the economy. The **environmental pressures** reporting module shows the material flows listed behind it: the amount of raw materials extracted per year, the amount of pollutants emitted per year etc. This reporting module does not include produced goods or services, but raw materials extracted from nature and residual materials and hazardous substances emitted back into nature. The respective flows for each type of material are booked as

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consolidated quantities, in what is known as the material account, which charts the flows of material between a national economy and both the natural environment and the world's other national economies.

**Figure 2: Modules of German Environmental-Economic Accounting**



At present, the **state of the environment** reporting module of the German EEA only expresses the component of the natural capital presented by land area. Especially land use by housing and transport are in the focus of this reporting module. Looking at how much land area is used by which economic stakeholder, however, can not be realised for the time being. Landscapes and ecosystems form yet another essential component of the natural capital, which should principally be included by accounting. In Germany these aspect are dealt with by Agency for Nature Protection, not by environmental economic accounts. Displaying the stocks of mineral resources – a third aspect of the natural assets, which may be of great importance for countries rich in raw materials – has a fairly low priority as far as German EEA is concerned and has so far not been considered. A reporting module has so far only been developed for forest.

In the module **environmental protective measures**, components already included in the monetary transactions of the national accounts are shown separately and, as a rule, broken down further. Here, for example, environmentally relevant taxes, such as vehicle tax or fuel tax, are shown. Another important part of environmental protective measures consist of investment and ongoing expenditure for environmental protection in the government and manufacturing industry sectors, as well as privatised public enterprises. Contrary to the physical electric power accounts of the material and energy flow accounts and the physical asset accounts describing the state of the environment, the EEA shows the environmental protective measures in the form of monetary accounts.

The **sectoral reporting modules**, presently used for the transport, agriculture, forestry, and private households sectors, enable extending the EEA standard programme by single items for politically significant topics. For such sectors, these reporting modules provide a much more detailed picture of the complete range of interdependencies between the environment and the economy, across the EEA components mentioned above.

Typical of EEA is considering the environmental impact (removing raw materials, land use, services of the environment) of economic activities from two angles: the first question is to what extent an environmental factor enters the economic cycle or is adversely affected in production or consumption of private households. Apart from this it is however also important to know what quantities of environmental factors are being employed and for what final purpose. This second assessment not only assigns directly consumed factor components to a specific category of use (such as the consumption activities of private households), but also those quantities needed to manufacture all the goods consumed by the households (at all stages of the production process) and therefore consumed, as it were, "indirectly" by the households. This contrasting of **direct and indirect parameters** is comparable with the presentation of origin and use in the national accounts, and applies to numerous subjects of EEA.

"Upstream" indirect consumption cannot be derived from the accounting system directly. Allocation takes place through a model approach based on input-output tables (IOT). IOTs are central elements of the national accounts; they include details of the upstream interdependencies between the individual production sectors, to name just one example.

The concept of Environmental Economic Accounts was established and further developed at **international level** by the United Nations, in particular, and adopted in February 2012 as an international statistical standard "System of Integrated Environmental and Economic Accounting (SEEA Central Framework 2012)"<sup>2</sup>. In Germany substantial sections of the environmental economic accounts are drawn up based on these conceptual proposals in the SEEA.

<sup>2</sup> European Commission/Food and Agriculture Organisation/International Monetary Fund/Organisation for Economic Co-Operation and Development/ United Nations/World Bank (2012): System of Environmental-Economic Accounting – Central Framework, White cover publication, pre-edited text subject to official editing.

## 2 Overview on classification

### 2.1 Classification of homogeneous branches

No.	Branches	Classification of products by activity (CPA) in the European Community	
		Designation	No.
1	Products of agriculture, forestry and fishing	Products of agriculture, forestry and fishing	A
2	Products of agriculture, hunting and related services	Products of agriculture, hunting and related services	01
3	Products of forestry, logging and related services	Products of forestry, logging and related services	02
4	Fish and other fishing products; aquaculture products	Fish and other fishing products; aquaculture products; support services to fishing	03
5	Mining and quarrying	Mining and quarrying	B
6	Coal and lignite	Coal and lignite	05
7	Crude petroleum and natural gas	Crude petroleum and natural gas	06
8	Metal ores, other mining and quarrying products	Metal ores, other mining and quarrying products; mining support services	07 – 09
9	Manufactured products	Manufactured products	C
10	Food products; beverages; tobacco products	Food products; beverages; tobacco products	10 – 12
11	Textiles; wearing apparel; leather and related products	Textiles; wearing apparel; leather and related products	13 – 15
12	Wood and products of wood and cork, except furniture	Wood and products of wood and cork, except furniture; articles of straw and plaiting materials	16
13	Paper and paper products	Paper and paper products	17
14	Printing and recording services	Printing and recording services	18
15	Coke and refined petroleum products	Coke and refined petroleum products	19
16	Coke oven products	Coke oven products	19.1
17	Refined petroleum products	Refined petroleum products	19.2
18	Chemicals and chemical products	Chemicals and chemical products	20
19	Basic pharmaceutical products and pharmaceutical preparations	Basic pharmaceutical products and pharmaceutical preparations	21



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No.	Branches	Classification of products by activity (CPA) in the European Community	
		Designation	No.
20	Rubber and plastic products	Rubber and plastic products	22
21	Other non-metallic mineral products	Other non-metallic mineral products	23
22	Glass and glass products	Glass and glass products	23.1
23	Refractory products, cut, shaped and finished stone	Refractory products; clay building materials; other porcelain and ceramic products; cement, lime and plaster; articles of concrete, cement and plaster; cut, shaped and finished stone; other non-metallic mineral products	23.2 – 23.9
24	Basic metals	Basic metals	24
25	Basic iron and steel and ferro-alloys, other products of steel	Basic iron and steel and ferro-alloys; tubes, pipes, hollow profiles and related fittings of steel; other products of the first processing of steel	24.1 – 24.3
26	Basic precious and other non-ferrous metals	Basic precious and other non-ferrous metals	24.4
27	Casting services of metal	Casting services of metal	24.5
28	Fabricated metal products, except machinery and equipment	Fabricated metal products, except machinery and equipment	25
29	Computer, electronic and optical products	Computer, electronic and optical products	26
30	Electrical equipment	Electrical equipment	27
31	Machinery and equipment n. e. c.	Machinery and equipment n. e. c.	28
32	Motor vehicles, trailers and semi-trailers	Motor vehicles, trailers and semi-trailers	29
33	Other transport equipment	Other transport equipment	30
34	Furniture, other manufacture goods	Furniture, other manufacture goods	31 – 32
35	Repair and installation services of machinery and equipment	Repair and installation services of machinery and equipment	33
36	Electricity, gas, steam and air conditioning	Electricity, gas, steam and air conditioning	D
37	Electricity, transmission and distribution services, steam	Electricity, transmission and distribution services; steam and air conditioning supply services	35.1, 35.3

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No.	Branches	Classification of products by activity (CPA) in the European Community	
		Designation	No.
38	Manufactured gas	Manufacture gas; distribution services of gaseous fuels through mains	35.2
39	Water supply; sewerage, waste management and remediation services	Water supply; sewerage, waste management and remediation services	E
40	Natural water; water treatment and supply services	Natural water; water treatment and supply services	36
41	Sewerage services; waste collection and material recovery services	Sewerage services; waste collection and material recovery services	37 – 39
42	Sewerage services, sewerage sludge	Sewerage services, sewerage sludge	37
43	Waste collection, treatment and disposal services	Waste collection, treatment and disposal services; materials recovery services; remediation services and other waste management services	38 – 39
44	Constructions and construction works	Constructions and construction works	F
45	Building and building construction works	Building and building construction works	41 – 42
46	Specialised construction works	Specialised construction works	43
47	Wholesale and retail trade services; repair services of motor vehicles	Wholesale and retail trade services; repair services of motor vehicles and motorcycles	G
48	Wholesale and retail trade and repair services of motor vehicles	Wholesale and retail trade and repair services of motor vehicles and motorcycles	45
49	Wholesale trade services, except of motor vehicles and motorcycles	Wholesale trade services, except of motor vehicles and motorcycles	46
50	Retail trade services, except of motor vehicles and motorcycles	Retail trade services, except of motor vehicles and motorcycles	47
51	Transportation and storage services	Transportation and storage services	H
52	Passenger rail transport services, freight rail transport services	Passenger rail transport services, interurban; freight rail transport services	49.1 – 49.2
53	Other passenger land transport services, transport services via pipeline	Other passenger land transport services; freight transport services by road and removal services; transport services via pipeline	49.3 – 49.5

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No.	Branches	Classification of products by activity (CPA) in the European Community	
		Designation	No.
54	Water transport services	Water transport services	50
55	Air transport services	Air transport services	51
56	Warehousing and support services for transportation	Warehousing and support services for transportation	52
57	Postal and courier services	Postal and courier services	53
58	Accommodation and food services	Accommodation and food services	I
59	Information and communication services	Information and communication services	J
60	Financial and insurance services	Financial and insurance services	K
61	Real estate services	Real estate services	L
62	Professional, scientific and technical services	Professional, scientific and technical services	M
63	Administrative and support services	Administrative and support services	N
64	Public administration and defence services	Public administration and defence services	O
65	Education services	Education services	P
66	Human health and social work services	Human health and social work services	Q
67	Other services	Arts, entertainment and recreation services; other services; services of households as employers; undifferentiated goods and services produced by households for own use	R – T
68	<b>All homogeneous branches</b>	<b>All homogeneous branches</b>	

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### 2.2 Classification of industries

No.	Industries	Classification of economic activities, 2008 edition	
		Designation	No.
1	Agriculture, forestry and fishing	Agriculture, forestry and fishing	A
2	Crop and animal production, hunting and related services	Crop and animal production, hunting and related services	01
3	Forestry and logging	Forestry and logging	02
4	Fishing and aquaculture	Fishing and aquaculture	03
5	Mining and quarrying	Mining and quarrying	B
6	Mining of coal and lignite	Mining of coal and lignite	05
7	Extraction of crude petroleum and natural gas	Extraction of crude petroleum and natural gas	06
8	Mining of metal ores, other mining and quarrying	Mining of metal ores; other mining and quarrying; mining support service activities	07 – 09
9	Manufacturing	Manufacturing	C
10	Manufacture of food products, beverages and tobacco products	Manufacture of food products; manufacture of beverages and manufacture tobacco products	10 – 12
11	Manufacture of textiles, wearing apparel, leather	Manufacture of textiles; manufacture of wearing apparel; manufacture of leather and related products	13 – 15
12	Manufacture of wood and products of wood and cork, except furniture	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	16
13	Manufacture of paper and paper products	Manufacture of paper and paper products	17
14	Printing and reproduction of recorded media	Printing and reproduction of recorded media	18
15	Manufacture of coke and refined petroleum products	Manufacture of coke and refined petroleum products	19
16	Manufacture of coke oven products	Manufacture of coke oven products	19.1
17	Manufacture of refined petroleum products	Manufacture of refined petroleum products	19.2
18	Manufacture of chemicals and chemical products	Manufacture of chemicals and chemical products	20

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No.	Industries	Classification of economic activities, 2008 edition	
		Designation	No.
19	Manufacture of basic pharmaceutical products	Manufacture of basic pharmaceutical products and pharmaceutical preparations	21
20	Manufacture of rubber and plastic products	Manufacture of rubber and plastic products	22
21	Manufacture of other non-mineral products	Manufacture of other non-mineral products	23
22	Manufacture of glass and glass products	Manufacture of glass and glass products	23.1
23	Manufacture of refractory products, cutting, finishing of stone	Manufacture of refractory products; manufacture of clay building materials; manufacture of other porcelain and ceramic products; manufacture of cement, lime and plaster; manufacture of articles of concrete, cement and plaster; cutting, shaping and finishing of stone; manufacture of abrasive products and non-metallic mineral products n. e. c.	23.2 – 23.9
24	Manufacture of basic metals	Manufacture of basic metals	24
25	Iron and steel	Manufacture of basic iron and steel and ferro-alloys; manufacture of tubes, pipes, hollow profiles and related fittings of steel; manufacture of other products of first processing of steel	24.1 – 24.3
26	Manufacture of basic precious and non-ferrous metals	Manufacture of basic precious and other non-ferrous metals	24.4
27	Casting of metals	Casting of metals	24.5
28	Manufacture of fabricated metal products, except machinery	Manufacture of fabricated metal products, except machinery and equipment	25
29	Manufacture of computer, electronic and optical products	Manufacture of computer, electronic and optical products	26
30	Manufacture of electrical equipment	Manufacture of electrical equipment	27
31	Manufacture of machinery and equipment n. e. c.	Manufacture of machinery and equipment n. e. c.	28
32	Manufacture of motor vehicles, trailers and semi-trailers	Manufacture of motor vehicles, trailers and semi-trailers	29

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No.	Industries	Classification of economic activities, 2008 edition	
		Designation	No.
33	Manufacture of other transport equipment	Manufacture of other transport equipment	30
34	Manufacture of furniture; other manufacturing	Manufacture of furniture; other manufacturing	31 – 32
35	Repair and installation of machinery and equipment	Repair and installation of machinery and equipment	33
36	Electricity, gas, steam and air conditioning supply	Electricity, gas, steam and air conditioning	D
37	Electric power generation, transmission and distribution, steam	Electric power generation, transmission and distribution; steam and air conditioning supply	35.1/ 35.3
38	Manufacture of gas; distribution of gaseous fuels through mains	Manufacture of gas; distribution of gaseous fuels through mains	35.2
39	Water supply, sewerage, waste management and remediation activities	Water supply, sewerage, waste management and remediation activities	E
40	Water collection, treatment and supply	Water collection, treatment and supply	36
41	Sewerage, waste collection, treatment and disposal activities	Sewerage, waste collection, treatment and disposal activities; material recovery; remediation activities and other waste management services	37 – 39
42	Sewerage	Sewerage	37
43	Waste collection, treatment and disposal activities	Waste collection, treatment and disposal activities; material recovery; remediation activities and other waste management services	38 – 39
44	Construction	Construction	F
45	Construction of buildings, civil engineering	Construction of buildings, civil engineering	41 – 42
46	Specialised construction activities	Specialised construction activities	43
47	Wholesale and retail trade; repair of motor vehicles and motorcycles	Wholesale and retail trade; repair of motor vehicles and motorcycles	G
48	Wholesale and retail trade and repair of motor vehicles	Wholesale and retail trade and repair of motor vehicles and motorcycles	45
49	Wholesale trade, except of motor vehicles and motorcycles	Wholesale trade, except of motor vehicles and motorcycles	46

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No.	Industries	Classification of economic activities, 2008 edition	
		Designation	No.
50	Retail trade, except of motor vehicles and motorcycles	Retail trade, except of motor vehicles and motorcycles	47
51	Transportation and storage	Transportation and storage	H
52	Passenger rail transport, interurban; freight rail transport	Passenger rail transport, interurban; freight rail transport	49.1 – 49.2
53	Other passenger land transport; transport via pipeline	Other passenger land transport; freight transport by road and removal services; transport via pipeline	49.3 – 49.5
54	Water transport	Water transport	50
55	Air transport	Air transport	51
56	Warehousing and support activities for transportation	Warehousing and support activities for transportation	52
57	Postal and courier activities	Postal and courier activities	53
58	Accommodation and food service activities	Accommodation and food service activities	I
59	Information and communication	Information and communication	J
60	Financial and insurance activities	Financial and insurance activities	K
61	Real estate activities	Real estate activities	L
62	Professional, scientific and technical activities	Professional, scientific and technical activities	M
63	Administration and support service activities	Administration and support service activities	N
64	Public administration and defence; compulsory social security	Public administration and defence; compulsory social security	O
65	Education	Education	P
66	Human health and social work activities	Human health and social work activities	Q
67	Other service activities	Arts, entertainment and recreation; other service activities; activities of households and employers; undifferentiated goods and service producing activities of households for own use	R – T
68	<b>All industries</b>	<b>All industries</b>	

### 3 Abbreviations and symbols

#### Abbreviations – general

NH <sub>3</sub>	=	ammonia
CH <sub>4</sub>	=	methane
CO <sub>2</sub>	=	carbon dioxide
NO <sub>2</sub>	=	nitrogen dioxide
NO <sub>x</sub>	=	nitric oxides (= nitrogen dioxide + nitrogen monoxide)
N <sub>2</sub> O	=	nitrous oxide (= laughing gas)
NMVOG	=	volatile organic compounds (not including methane)
SO <sub>2</sub>	=	sulphur dioxide
SF <sub>6</sub>	=	sulphur hexafluoride
PFCs	=	perfluorocarbons
HFCs	=	hydrofluorocarbons
H <sub>2</sub> O	=	water
NE	=	Non-ferrous metals
No.	=	number
Incl.	=	including
EB	=	Energy balance
EEA	=	Environmental-Economic Accounting
SNA	=	System of National Accounts

#### Abbreviations – units of measure

Equ.	=	equivalent		
EUR	=	Euro		
J	=	Joule	1 J	= 1 watt seconds (Ws)
kJ	=	kilojoules	1 kJ	= 10 <sup>3</sup> J
MJ	=	megajoules	1 MJ	= 10 <sup>6</sup> J
GJ	=	gigajoules	1 GJ	= 10 <sup>9</sup> J
TJ	=	terajoules	1 TJ	= 10 <sup>12</sup> J



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PJ	=	petajoule	1 PJ	=	$10^{15}$ J
Kg	=	kilogram			
t	=	tonnes			
mn	=	million			
bn	=	billion			
MWh	=	megawatt hour			
h	=	hour			
m <sup>3</sup>	=	cubic metre			
%	=	per cent			
m <sup>2</sup>	=	square metre			
km <sup>2</sup>	=	square kilometre			
ha	=	hectare	1 ha	=	10 000 m <sup>2</sup>
t-km	=	ton-kilometre			
p-km	=	passenger-kilometre			
o. b.	=	without bark			

### Explanation of symbols

0	=	less than half of 1 in the last digit occupied, but more than zero
...	=	data will be available later
X	=	cell blocked for logical reasons
.	=	numerical value unknown or not to be disclosed
-	=	no figures or magnitude zero

Deviations in the totals may occur because of rounding off.

### Note

Since the release of the tables in 2011 homogeneous branches (WZ 2008) are presented in a break down comparable to the statistical classification of economic activities of the European Community. Until 2010, the tables were calculated according the WZ 1993 respectively on the basis of the WZ 2003.

The intensities are shown in the tables 2011 only for the years from 2000 onwards, as data on gross value added by homogeneous branches after the revision of the national accounts are available only as from the reference year 2000.

## General notes

### Chapter 5: Raw materials

Raw materials are materials occurring in the environment in an unprocessed manner. Here all raw materials being extracted from the domestic environment to be used within the economy and all imported raw materials are presented. Unit used is tonnes (t). This information is supplemented by data about the imports and exports of semi-finished and finished products.

Sources are production and foreign trade statistics, the statistics on agriculture, forestry and fisheries, various association statistics as well as additional information from ministries, institutions and other authorities. If specific information is not originally available in tonnes, it is converted.

The table on raw material equivalents (RME) shows the volume of first input and the final use of raw materials within the economy. This is computed by tracing back all goods and services used for consumption, investment or export to those raw materials that were originally used to create them. The physical unit is tonnes of raw material equivalents (t RME). Domestic extraction of raw materials is by definition in raw material equivalents.

### Chapter 6: Use of water

A variety of data sources are used to calculate the tables of water withdrawal from nature. The initial data for water withdrawal are taken largely from official statistics (statistics of water supply and disposal of waste water in mining and facturing and with thermal power plants for public supply, as well as statistics of public water supply and waste water disposal), the last year under report of which was 2010. In order to close gaps in data (for instance in agriculture and services), further data from the official statistics are used as well as from other sources, such as publications of academic institutes, associations and organisations.

### Chapter 7: Waste water

In the tables on waste water, the volumes of waste are determined by water withdrawal from nature. Both values differ largely by virtue of the items infiltration and rain water, evaporation and other losses.

Different data sources are used to calculate the tables of waste water. The initial data are largely taken from official statistics (statistics of water supply and waste water disposal in mining and manufacturing and with thermal power plants for public supply, as well as statistics of public water supply and waste water disposal), the latest year under report of which was 2010. In order to close data gaps (such as which agriculture and services), many other data are used from official, as well as from other sources, such as publications for instance of academic institutes, associations and organisations.

### Chapter 8: Waste

Waste includes all residues or other undesirable substances. It may be either solid or liquid (unless it is introduced into bodies of water and waste disposal installations) and pasty materials (all kind of mud) and collected gases. The survey also includes waste to be recycled as well as waste for disposal. The term waste in official statistics is in line with the definition in Article 3 of the German Act for Promoting Closed Substance Cycle Waste Management and Ensuring Environmentally Compatible Waste Disposal (*Gesetz zur Förderung der Kreislaufwirtschaft und Sicherung der umweltverträglichen*

*Beseitigung von Abfällen - KrW/AbfG*). Information relating to waste volumes is always provided in tonnes. The evidence provided in the result tables is shown in 1,000 tonnes. The waste quantities are always wet-quantities of waste.

The basis for kinds of waste recorded from reporting year 2002 is the European Waste Catalogue (now List of Wastes) in accordance with the German Waste Catalogue Ordinance (Ordinance implementing the European Waste Catalogue of 10 December 2001 – Federal Law Gazette I, page 3379).

The European List of Wastes is a waste catalogue harmonised throughout the European Union which regularly checked based on new findings and amended as necessary. It is subdivided into waste chapters, waste groups and waste categories. The different waste types are entirely defined through their codes (6-digits) and the chapters to whom they are belonging. For a precise detection, especially of the waste treatment outputs, a further specification by 8-digit codes can be undertaken. The waste classification used is primarily oriented towards waste sources (branches).

### **Waste balance sheet**

Section 6 of the German Environmental Statistics Act (*Umweltstatistikgesetz - UStatG*) stipulates that the Federal Statistical Office (Destatis) shall produce annual surveys in the form of balance sheets representing the amount, recycling and disposal of waste in accordance with Sections 3 to 5 of the Act. Detailed statistics from waste surveys are combined, using a computer model, to form the waste balance sheet.<sup>2</sup> The calculation has been carried out from reporting year 2006 in accordance with the so-called gross volume principle<sup>3</sup>. Based on the input of all registered waste disposal plants it summarises the waste volumes of any kind of waste generated domestically that is treated and disposed of. This is calculated from the input of the plants minus imports and plus exports. Waste flows subject to multiple treatments increase waste volumes to a certain extent. That is why re-treated waste that is already a product of one treatment is shown separately.

Further information on waste statistics can be found in the Internet under:

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

(navigation path: "Facts & Figures/Environment/Environmental surveys/Waste management").

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1 Annually published in fachserie 19 "Umwelt", Reihe 1 "Abfallentsorgung" of the Federal Statistical Office (available in German only).

2 Calculation of the waste volume up to and including 2005 is based on the so-called net input principle, i. e. the domestic output of waste recycling and disposal is deducted from the total input of waste disposal plants. The objective was to avoid that waste counted twice in case of multiple treatments.

## Glossary

### Raw materials

<b>Abiotic raw materials</b>	Abiotic raw materials are non-renewable raw materials. In contrast to the biotic raw materials, replicating in sustainable farming, once consumed abiotic materials is with a view to the livelihoods of future generations irretrievably lost. The collection of abiotic raw materials is carried out separately for used abiotic raw materials such as fuels, ores and other mineral resources including peat and by not used abiotic raw materials (lignite overburden, tailings of energy and mineral resources and soil extraction).
<b>Biotic raw materials</b>	Biotic raw materials are renewable, naturally occurring substances of animal and vegetable origin. The biotic raw materials are recorded separately for used biotic raw materials such as crop products from agriculture, biomass for animal feed, biomass from forestry (wood) and animals (fishing and hunting route) and by non-usable biotic resources (not recycled biomass from agriculture (e. g. as straw, cover crops) and fisheries (bycatch). Bred animals are no raw materials in the context of these calculations and are therefore not included.
<b>Exports (Special trade system)</b>	Exports of goods and services - merchandise trade comprise goods leaving the statistical territory of a country. In the general trade system, the definition of the statistical territory of a country coincides with its economic territory. In the special trade system, the definition of the statistical territory comprises only a particular part of the economic territory, mainly that part which coincides with the free circulation area for goods. The free circulation area is a part of the economic territory of a country within which goods may be disposed of without Customs restrictions.
<b>Imports</b>	Imports of goods and services (merchandise trade) are goods which add to the stock of material resources of a country by entering its economic territory. It is accounted for direct importation of goods into free circulation of the destination country, all imports into stock (customs warehouse) at the time of its incorporation, as well as inward and outward processing arrangements as a customs official authorized activity or by customs officials appropriated admission temporaire including mending. The special trade, representable for imports only to the Federal Republic of Germany, however, contains no imports in stock. Imports from warehouse for free circulation or inward processing are, however, included in the special trade.
<b>Primary materials</b>	In the material flow accounts the term primary materials comprises the material extracted from domestic environment and all imports regardless of their stage of manufacturing (raw materials, semi- and finished goods).
<b>Raw materials</b>	In Environmental-Economic Accounts (EEA) raw materials are those materials occurring unprocessed by humans in the natural environment.
<b>Raw material equivalents</b>	The raw material equivalents of imports and exports consist of all those material inputs that are needed in the production of traded goods (intermediate material consumption), plus the mass of the imports and exports themselves. RME are equivalent to all those raw materials that from the basis of an import or export, irrespective of the economy in which the resources are used in the production process.
<b>Raw material productivity</b>	Raw material productivity expresses how much gross domestic product (in euros, adjusted for price changes) is obtained per tonne of abiotic primary material. 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.
<b>Used extraction of raw materials</b>	The used extraction of raw materials is a position of the discharge side of the material flow accounts. It covers all abiotic and biotic raw materials which are taken from the domestic environment and enter into the production or consumption process of the economy or into export. These include fuels, ores and other mineral resources, plant biomass from agriculture, biomass from forestry (wood) and biomass of animals (sea and coastal fishing and hunting bag).

<b>Unused domestic extraction</b>	Unused Domestic Extraction includes all those materials that are extracted from the national environment but not used in the national economy , i.e.they remain in the environment. Examples are: unused material excavated during civil engineering work and construction, unused material extracted in mining, unused tree residues from felling or unused parts of harvested crops.
<b>Use of water / Waste water</b>	
<b>Cooling water</b>	Cooling water or cooling waste water is water which is used to absorb or remove heat from cooling processes. It is generally unpolluted.
<b>Groundwater</b>	Groundwater is water that can usually recovered from an underground formation.
<b>Infiltration</b>	Infiltration water is especially unwanted drainage into the sewage network.
<b>Spring water</b>	Spring water is natural groundwater discharge.
<b>Surface water</b>	Water which flows on the surface of a land mass, such as rivers, streams, lakes etc., as well as artificial watercourses such as water reservoirs.
<b>Treated waste water</b>	Waste water discharged from treatment plant. Treatment plants are urban waste water treatment plants or industrial waste water treatment plants.
<b>Waste water</b>	Waste water is used water, typically discarded into the sewage system. It contains matter and bacteria in solution or suspension.
<b>Waste water directly discharged</b>	Direct discharge of treated and untreated wastewater or unused water into surface water or into ground water.
<b>Waste water indirectly discharged</b>	Indirectly discharged wastewater is discharge of treated and untreated (including unused water) water into the public sewage system.
<b>Water discharged into nature</b>	Water discharged into nature includes direct and indirect water discharge of industries and private households as well as water losses, evaporation and rain and infiltration water.
<b>Water use</b>	The use of water by industry and private households in a region arises from the water abstraction from nature, plus the water received from the public water sectors or other industries and the deliveries of unused water to other units. In addition to the actual used water for production and consumption water use – according to the concept of Environmental-Economic Accounting – includes infiltration and rain water, water losses and evaporation as well as the unused water. At the macroeconomic level, the difference between water use and the abstraction of water from nature is the balance of imports and exports of water.
<b>Withdrawal of water from nature</b>	Withdrawal of water from nature is the direct abstraction of ground water, surface water or spring water and bank filtrate.
<b>Waste</b>	
<b>Construction and demolition waste</b>	More than 40 % of Construction and demolition wastes are dumped into former and meanwhile inactive mining tunnels and about 30 % is reused for construction purposes.
<b>Municipal waste</b>	Municipal wastes are wastes from households and similar wastes from commercial and industrial sources. Also separately collected fractions and packaging do belong to municipal waste. Municipal waste are further differentiated into "household waste" (food waste, bulky waste, etc.) and "other municipal wastes" (market waste, street sweepings, etc.).
<b>Other wastes</b>	All remaining wastes which don not belong to one of the categories "municipal waste", "construction and demolition waste", "rubble-waste" and waste from waste treatment and summarized under the position "Other waste".

**Waste from mining and treatment of mineral resources** This waste category contains waste types, which are generated during detection, exploitation, extraction and physical and/or chemical treatment of resources. Before all enterprises and productions units belonging to the sectors mining and waste disposal have to report on this topic.

**Waste from waste treatment installations** Wastes generated during waste treatment and dedicated for additional waste treatment are named secondary wastes. They are belonging to the waste chapter 19. These secondary wastes are registered as input into waste treatment facilities and do belong to the waste balance. Waste amounts from waste treatment facilities which are neither subject to further treatment nor to disposal are assumed to go for recycling.

**Table 5.1: Domestic extraction of raw materials (used) \*)**

1,000 tonnes

No.	Extraction	1994	1995	2000	2003
1	Domestic extraction (used).....	1,319,850	1,272,225	1,205,789	1,083,056
2	Abiotic raw materials (used).....	1,107,914	1,051,078	959,661	875,673
3	Energy sources.....	277,980	265,525	220,661	225,532
4	Hard coal.....	52,405	53,564	33,591	25,873
5	Brown coal (lignite).....	207,086	192,753	167,694	179,235
6	Crude oil.....	2,937	2,958	3,119	3,800
7	Natural gas, pit gas and petroleum gas.....	15,033	15,722	15,742	16,329
8	Other energy sources.....	519	528	515	296
9	Mineral raw materials.....	829,934	785,553	739,001	650,141
10	Ores.....	146	69	462	429
11	Iron ores.....	146	69	462	429
12	Non-ferrous ores.....	-	-	-	-
13	Other mineral raw materials.....	829,788	785,484	738,539	649,712
14	Construction minerals.....	765,934	727,015	679,201	590,749
15	Dimension stones.....	352	286	612	1,837
16	Limestone, anhydrit, chalk, dolomite and slate.....	66,640	71,865	75,916	64,922
17	Sand, gravel, crushed stones, clay and kaolin.....	322,521	200,683	170,656	150,446
18	Common clays (for brick making etc.) 1).....	374,374	451,266	429,195	369,928
19	Other construction minerals.....	2,047	2,916	2,823	3,615
20	Industrial minerals.....	63,854	58,470	59,338	58,963
21	Special sands and clays.....	16,797	17,983	15,390	14,372
22	Kaolin and other special clays.....	12,982	13,458	14,194	11,849
23	Minerals for chemistry and fertilization.....	11,498	8,381	8,239	8,346
24	Salts.....	14,787	12,956	14,612	16,089
25	Other industrial minerals.....	4,741	2,571	3,415	5,030
26	Peat for agricultural use.....	3,048	3,122	3,487	3,277
27	Biotic raw materials (used).....	211,936	221,147	246,127	207,383
28	Biomass from agriculture.....	194,912	204,025	221,375	183,280
29	Cereals.....	36,329	39,864	45,271	39,426
30	Pulses.....	242	303	471	453
31	Root crops.....	36,442	38,355	42,214	34,319
32	Industrial crops.....	3,243	3,255	3,690	3,744
33	Vegetables.....	2,175	2,352	2,937	2,807
34	Fruits.....	4,873	3,835	6,087	4,260
35	Straw.....	16,785	18,695	20,440	17,500
36	Intercrops.....	4,215	4,182	2,990	1,953
37	Turnip leaves.....	5,403	5,730	5,804	4,860
38	Fodder plants 2).....	84,656	86,847	90,928	73,343
39	Other crops.....	551	608	543	614
40	Biomass from forestry 3).....	16,802	16,877	24,503	23,794
41	Coniferous wood.....	12,406	11,619	18,487	17,573
42	Non-coniferous wood.....	4,387	5,250	6,004	6,209
43	Bark.....	8	8	12	12
44	Biomass from animals.....	222	245	249	309
45	Biomass from fishing.....	182	207	206	259
46	Marine fish catch 4).....	182	207	196	249
47	Inland water (freshwater) fish catch 5).....	-	-	11	11
48	Biomass from hunting.....	40	37	43	50

\*) Results partly preliminary.

1) Partially revised in comparison to the previous editions of this publication.

2) These include meadows, mowed pastures, alpine pastures, rough pasture. Mowing and grazing alternate at regular intervals with mowed pasture.

Rough pasture are areas only occasionally used for grazing.

3) Methodological differences compared to the results for forest accounting.

4) Including landings abroad.

5) Excl. aquaculture.

**Table 5.1: Domestic extraction of raw materials (used) \*)**

1,000 tonnes

2004	2005	2006	2007	2008	2009	2010	2011	2012	No.
1,109,292	1,075,228	1,095,376	1,103,626	1,084,833	1,041,196	1,015,043	1,108,779	1,077,650	1
854,825	827,634	861,063	841,352	821,480	773,261	765,829	826,992	796,918	2
226,859	220,882	215,657	219,045	209,050	199,106	196,064	202,062	208,744	3
25,872	24,907	20,882	21,532	17,172	13,766	12,900	12,059	10,770	4
181,926	177,907	176,324	180,414	175,326	169,859	169,403	176,595	185,432	5
3,514	3,573	3,514	3,415	3,054	2,800	2,511	2,679	2,621	6
15,265	14,203	14,617	13,361	13,220	12,380	10,899	10,335	9,440	7
282	292	320	323	278	300	351	396	480	8
627,966	606,752	645,405	622,307	612,430	574,156	569,764	624,930	588,175	9
412	362	426	434	463	368	394	489	451	10
412	362	426	434	463	368	394	489	451	11
-	-	-	-	-	-	-	-	-	12
627,554	606,390	644,979	621,873	611,967	573,788	569,371	624,441	587,724	13
565,743	543,778	580,780	559,796	552,071	516,163	505,186	560,249	528,267	14
1,840	1,890	2,053	1,828	1,018	627	560	594	1,170	15
65,471	62,734	66,649	69,209	67,174	57,506	60,109	63,631	62,312	16
142,266	132,559	139,404	132,853	132,801	123,773	120,274	135,729	127,788	17
352,591	342,982	368,874	351,245	348,301	332,665	322,422	357,823	335,027	18
3,574	3,613	3,799	4,660	2,776	1,591	1,821	2,473	1,970	19
61,811	62,612	64,200	62,077	59,896	57,625	64,185	64,191	59,456	20
14,183	13,380	13,784	14,200	13,941	11,770	12,418	13,600	13,015	21
11,747	11,400	11,739	12,161	11,442	11,277	12,084	12,062	11,396	22
8,817	8,852	9,090	9,272	8,696	5,226	7,814	8,333	8,118	23
18,382	19,033	19,545	15,661	15,310	18,938	19,664	17,417	14,845	24
5,361	6,590	6,746	7,364	7,430	7,308	9,313	9,839	9,051	25
3,321	3,357	3,295	3,419	3,078	3,106	2,892	2,940	3,032	26
254,468	247,594	234,313	262,274	263,353	267,935	249,214	281,786	280,732	27
228,881	220,708	204,202	226,130	236,519	244,688	222,975	252,515	253,340	28
51,097	45,980	43,475	40,632	50,105	49,748	44,039	41,920	45,396	29
528	406	337	221	179	213	222	216	200	30
40,912	37,507	31,272	37,412	34,892	38,063	33,874	41,704	38,610	31
5,390	5,164	5,435	5,411	5,252	6,403	5,787	3,969	4,927	32
3,216	3,105	3,107	3,332	3,420	3,610	3,291	3,532	3,768	33
5,104	4,520	4,940	5,417	5,075	5,374	4,238	4,735	4,768	34
23,160	20,525	19,750	18,100	22,165	22,430	19,480	17,905	17,905	35
1,930	1,855	2,190	2,238	2,233	2,211	2,169	2,154	2,154	36
4,873	4,525	3,706	4,529	4,428	4,966	4,416	5,574	5,218	37
92,083	96,567	89,399	108,232	108,199	111,095	104,933	130,284	129,891	38
587	554	590	607	572	574	526	521	504	39
25,286	26,572	29,800	35,813	26,514	22,986	25,955	28,993	27,130	40
19,126	20,244	22,043	27,913	18,923	16,381	18,738	19,254	17,771	41
6,147	6,314	7,742	7,882	7,578	6,593	7,204	9,725	9,347	42
13	14	15	18	13	12	13	14	13	43
301	314	311	330	319	262	284	279	262	44
251	263	271	279	259	212	227	232	200	45
240	253	261	268	247	199	214	222	191	46
11	11	10	12	12	13	13	10	9	47
50	51	39	51	60	50	57	47	62	48



Table 5.2: Imports by degree of processing <sup>\*)</sup>

1,000 tonnes

No.	Degree of processing	1994	1995	2000	2003
1	Total.....	463,150	463,592	520,990	541,785
2	Raw materials.....	277,263	274,978	305,517	319,278
3	Energy sources.....	172,460	169,575	194,532	224,791
4	Hard coal.....	15,483	15,074	23,324	28,847
5	Brown coal (lignite).....	2,623	2,132	1,812	49
6	Crude oil.....	107,579	100,549	105,137	111,404
7	Natural gas and petroleum gas.....	46,774	51,820	64,259	84,488
8	Other energy sources.....	1	0	0	3
9	Mineral raw materials.....	82,719	82,708	85,961	69,255
10	Ores.....	47,030	47,254	51,851	43,124
11	Iron ores.....	42,704	43,231	47,519	38,872
12	Non-ferrous ores.....	4,325	4,023	4,332	4,252
13	Bauxite.....	2,276	2,011	2,170	1,978
14	Copper ores.....	653	663	709	880
15	Other non-ferrous ores.....	1,396	1,348	1,453	1,394
16	Other mineral raw materials.....	35,689	35,455	34,110	26,132
17	Construction minerals.....	27,877	26,689	24,759	16,442
18	Raw and unbroken natural stones.....	537	521	599	590
19	Limestone and dolomit.....	2,622	2,688	3,821	3,515
20	Sand and gravel.....	2,356	2,566	3,049	1,388
21	Raw and broken natural stones, crude earth.....	22,086	20,675	17,127	10,788
22	Clay and other construction minerals.....	276	240	163	160
23	Industrial minerals.....	7,812	8,766	9,351	9,690
24	Special sands and clays.....	1,019	952	734	606
25	Kaolin and other special clays.....	1,084	1,104	1,251	1,192
26	Minerals of chemistry and fertilization.....	2,216	2,276	2,412	1,940
27	Salts.....	1,142	1,813	2,203	2,443
28	Other industrial minerals.....	2,064	2,263	2,075	2,712
29	Peat for agriculture use.....	286	358	676	797
30	Biomass.....	22,084	22,695	25,023	25,231
31	Biomass from agriculture.....	19,915	20,498	21,217	22,152
32	Biomass from forestry.....	1,305	1,321	2,931	2,164
33	Biomass from animals 1).....	864	876	875	914
34	Semi-manufactured products.....	105,624	105,625	112,250	109,015
35	out of energy sources.....	48,514	48,371	53,506	50,578
36	out of coals.....	3,251	3,427	6,521	7,865
37	out of crude oil.....	43,981	43,772	45,505	40,980
38	out of natural gas and other energy sources.....	1,282	1,171	1,481	1,734
39	out of mineral raw materials.....	37,457	38,046	36,006	32,727
40	out of ores.....	9,583	9,730	13,001	14,662
41	out of iron ores.....	5,383	5,330	7,477	8,532
42	out of non-ferrous ores.....	4,200	4,401	5,524	6,130
43	out of other mineral raw materials.....	27,875	28,316	23,005	18,065
44	out of construction minerals.....	1,983	2,012	2,783	1,641
45	out of industrial minerals.....	25,892	26,304	20,222	16,424
46	out of biomass.....	19,653	19,209	22,737	25,710
47	out of biomass from agriculture.....	7,750	7,989	9,210	10,048
48	out of biomass from forestry.....	9,819	9,422	10,771	11,532
49	out of biomass from animals 1).....	2,084	1,798	2,755	4,129
50	Finished products.....	80,263	82,988	103,224	113,493
51	predominantly from energy sources.....	15,532	15,873	20,263	22,916
52	mostly out of coals.....	-	-	-	-
53	mostly out of crude oil.....	15,475	15,830	20,200	22,868
54	mostly out of natural gas and other energy sources.....	57	43	63	48
55	mostly out of mineral raw materials.....	35,809	38,692	49,667	53,210
56	mostly out of ores.....	30,562	33,458	42,142	45,207
57	mostly out of iron ores.....	28,469	31,314	39,250	42,015
58	mostly out of non-ferrous ores.....	2,094	2,144	2,892	3,192
59	mostly out of other mineral raw materials.....	5,247	5,234	7,525	8,002
60	mostly out of construction minerals.....	435	464	492	478
61	mostly out of industrial minerals.....	4,812	4,770	7,033	7,524
62	mostly out of biomass.....	28,922	28,423	33,293	37,368
63	mostly out of biomass from agriculture.....	10,539	10,297	10,568	12,869
64	mostly out of biomass from forestry.....	14,316	14,075	18,534	20,101
65	mostly out of biomass from animals 1).....	4,067	4,051	4,191	4,397

<sup>\*)</sup> From 2001, imports and exports are collected acc. to SITC. A comparison of the figures with earlier results is hence only partially possible because of a change c  
Without imported waste for final disposal.

1) Including products from fish catch and from hunting and living working animals.

**Table 5.2: Imports by degree of processing <sup>\*)</sup>**

1,000 tonnes

2004	2005	2006	2007	2008	2009	2010	2011	2012	No.
560,399	561,811	599,500	605,521	604,444	536,647	589,872	613,004	600,942	1
325,113	326,420	337,102	336,140	337,487	304,052	322,811	334,210	335,161	2
224,390	227,715	232,577	224,642	228,084	213,183	214,058	222,254	230,105	3
34,285	34,825	39,521	43,082	41,675	35,125	39,367	42,786	43,761	4
15	10	10	48	61	38	39	42	29	5
112,675	114,561	109,504	105,518	105,779	97,387	91,292	87,949	92,762	6
77,414	78,317	83,542	75,993	80,570	80,633	83,358	91,476	93,552	7
1	2	2	1	0	0	1	1	1	8
76,668	72,541	76,192	80,006	78,026	57,332	73,438	76,083	68,808	9
51,166	47,025	49,599	52,253	51,165	33,580	47,850	47,127	44,394	10
46,402	41,994	44,878	46,268	45,407	29,054	43,221	42,003	38,943	11
4,763	5,031	4,721	5,985	5,758	4,526	4,628	5,124	5,450	12
2,147	2,461	2,148	3,184	3,009	2,122	2,021	2,437	2,776	13
1,142	1,149	1,149	1,316	1,095	1,254	1,121	1,136	1,244	14
1,474	1,421	1,424	1,485	1,654	1,151	1,486	1,551	1,430	15
25,502	25,516	26,593	27,753	26,861	23,752	25,588	28,956	24,414	16
15,964	16,334	16,346	17,187	17,311	16,172	15,830	17,854	15,114	17
431	247	260	365	343	253	303	392	319	18
3,264	4,017	4,110	4,125	3,103	2,612	3,192	3,156	2,931	19
1,232	1,085	899	1,119	1,177	1,193	1,450	1,449	1,546	20
10,875	10,829	10,843	11,297	12,488	11,970	10,694	12,570	10,089	21
162	156	234	281	200	143	191	288	228	22
9,538	9,182	10,247	10,566	9,550	7,580	9,758	11,101	9,300	23
599	619	1,097	1,070	880	657	576	641	551	24
1,245	1,261	1,378	1,360	1,247	1,098	1,235	1,262	1,180	25
2,310	2,010	2,222	2,379	2,010	1,359	2,017	2,619	2,467	26
2,636	2,672	2,692	2,514	2,352	1,992	2,985	3,534	2,282	27
2,183	2,209	1,970	2,252	2,054	1,713	2,085	2,203	1,986	28
565	412	888	991	1,008	761	859	843	834	29
24,056	26,164	28,332	31,491	31,378	33,537	35,316	35,873	36,249	30
21,039	22,215	23,612	25,970	26,944	28,115	27,507	28,531	29,391	31
1,953	2,763	3,404	4,073	2,969	3,763	6,081	5,736	5,231	32
1,063	1,186	1,316	1,448	1,465	1,658	1,728	1,605	1,627	33
115,552	113,669	121,984	119,401	122,096	111,220	127,073	131,092	123,610	34
53,346	52,281	54,729	48,090	52,760	51,250	57,240	56,759	52,141	35
8,854	5,630	6,218	5,882	5,456	3,440	4,860	4,858	3,580	36
42,742	44,714	46,450	40,178	44,930	45,702	49,850	49,363	45,990	37
1,750	1,938	2,061	2,030	2,374	2,108	2,529	2,538	2,571	38
35,040	34,064	36,924	38,596	37,391	29,763	36,622	39,344	36,472	39
17,444	17,217	19,425	21,138	20,204	13,266	17,958	20,164	18,073	40
11,237	10,977	12,185	13,689	13,195	7,885	11,047	12,952	11,137	41
6,207	6,240	7,240	7,450	7,008	5,381	6,911	7,212	6,936	42
17,596	16,847	17,499	17,458	17,187	16,497	18,665	19,180	18,398	43
1,459	1,564	1,687	1,836	1,579	1,373	1,220	1,346	1,421	44
16,137	15,282	15,811	15,621	15,608	15,124	17,444	17,834	16,978	45
27,166	27,324	30,331	32,716	31,945	30,207	33,211	34,989	34,998	46
10,642	10,693	11,556	12,023	12,513	12,182	13,028	14,198	14,490	47
12,664	12,683	14,304	15,935	14,541	13,250	15,334	15,632	15,410	48
3,860	3,947	4,471	4,758	4,891	4,775	4,849	5,159	5,098	49
119,734	121,722	140,414	149,979	144,861	121,375	139,987	147,702	142,171	50
24,670	25,198	28,391	30,297	29,116	25,622	29,299	30,469	29,802	51
-	-	-	-	-	-	-	-	-	52
24,623	25,151	28,341	30,278	29,112	25,620	29,260	30,425	29,760	53
47	47	50	19	4	2	39	44	42	54
56,754	57,108	68,732	74,847	73,039	55,378	68,130	73,807	69,544	55
48,229	48,375	59,073	64,446	62,179	45,908	57,214	62,541	58,993	56
44,879	45,014	55,250	60,324	58,263	42,753	53,232	58,147	54,776	57
3,350	3,361	3,823	4,122	3,917	3,155	3,983	4,393	4,217	58
8,526	8,733	9,659	10,401	10,860	9,470	10,915	11,266	10,551	59
590	642	717	775	742	700	782	973	801	60
7,935	8,091	8,942	9,626	10,118	8,769	10,133	10,293	9,750	61
38,309	39,416	43,290	44,835	42,705	40,376	42,559	43,426	42,824	62
13,287	14,155	16,134	16,324	15,715	15,609	15,699	15,861	15,510	63
20,496	20,444	22,191	23,303	21,690	19,457	21,510	22,090	21,763	64
4,526	4,816	4,966	5,208	5,300	5,310	5,350	5,476	5,551	65

**Table 5.3: Exports by degree of processing <sup>\*)</sup>**

1,000 tonnes

No.	Degree of processing	1994	1995	2000	2003
1	Total.....	223,181	224,702	289,245	318,465
2	Raw materials.....	55,297	55,933	74,396	77,931
3	Energy sources.....	4,967	7,222	13,424	19,777
4	Hard coal.....	2,025	1,736	279	195
5	Brown coal (lignite).....	333	404	220	146
6	Crude oil.....	1,076	488	313	1,664
7	Natural gas and petroleum gas.....	1,534	4,593	12,611	17,772
8	Other energy sources.....	0	0	0	0
9	Mineral raw materials.....	34,879	32,249	38,096	39,347
10	Ores.....	171	174	215	153
11	Iron ores.....	98	65	22	11
12	Non-ferrous ores.....	73	109	193	142
13	Bauxite.....	29	30	41	27
14	Copper ores.....	0	22	26	49
15	Other non-ferrous ores.....	44	56	127	66
16	Other mineral raw materials.....	34,708	32,076	37,881	39,193
17	Construction minerals.....	24,735	23,153	27,533	26,368
18	Raw and unbroken natural stones.....	275	230	197	231
19	Limestone and dolomit.....	597	801	423	907
20	Sand and gravel.....	7,652	6,871	9,448	8,967
21	Raw and broken natural stones, crude earth.....	13,421	12,440	14,547	13,951
22	Clay and other construction minerals.....	2,789	2,811	2,918	2,311
23	Industrial minerals.....	9,973	8,923	10,348	12,825
24	Special sands and clays.....	735	730	1,113	2,010
25	Kaolin and other special clays.....	677	510	584	630
26	Minerals of chemistry and fertilization.....	1,945	1,918	2,366	2,231
27	Salts.....	2,840	2,698	2,894	3,698
28	Other industrial minerals.....	1,646	1,141	896	1,786
29	Peat for agriculture use.....	2,131	1,926	2,495	2,471
30	Biomass.....	15,450	16,461	22,876	18,808
31	Biomass from agriculture.....	11,341	12,277	17,526	14,187
32	Biomass from forestry.....	3,645	3,690	4,698	4,015
33	Biomass from animals 1).....	465	495	652	605
34	Semi-manufactured products.....	86,064	83,525	98,623	109,485
35	out of energy sources.....	23,814	21,536	26,945	28,383
36	out of coals.....	1,673	829	426	390
37	out of crude oil.....	21,217	19,852	25,414	26,949
38	out of natural gas and other energy sources.....	924	856	1,105	1,044
39	out of mineral raw materials.....	43,588	41,830	46,107	55,030
40	out of ores.....	14,982	13,776	14,737	14,945
41	out of iron ores.....	12,420	11,312	11,981	12,092
42	out of non-ferrous ores.....	2,561	2,463	2,756	2,853
43	out of other mineral raw materials.....	28,607	28,055	31,370	40,085
44	out of construction minerals.....	1,289	1,235	1,556	2,043
45	out of industrial minerals.....	27,317	26,820	29,814	38,042
46	out of biomass.....	18,662	20,158	25,570	26,072
47	out of biomass from agriculture.....	8,554	8,672	10,416	11,138
48	out of biomass from forestry.....	5,739	6,841	9,130	8,852
49	out of biomass from animals 1).....	4,369	4,645	6,024	6,083
50	Finished products.....	81,819	85,244	116,226	131,050
51	predominantly from energy sources.....	20,648	20,906	26,753	30,386
52	mostly out of coals.....	-	-	-	-
53	mostly out of crude oil.....	20,582	20,874	26,741	30,381
54	mostly out of natural gas and other energy sources.....	66	32	12	5
55	mostly out of mineral raw materials.....	42,288	44,588	61,724	68,052
56	mostly out of ores.....	36,763	38,926	52,537	57,604
57	mostly out of iron ores.....	34,513	36,404	48,841	53,582
58	mostly out of non-ferrous ores.....	2,250	2,522	3,695	4,022
59	mostly out of other mineral raw materials.....	5,525	5,662	9,188	10,448
60	mostly out of construction minerals.....	35	31	47	58
61	mostly out of industrial minerals.....	5,490	5,631	9,140	10,390
62	mostly out of biomass.....	18,883	19,750	27,749	32,612
63	mostly out of biomass from agriculture.....	5,437	5,933	7,018	7,750
64	mostly out of biomass from forestry.....	10,801	11,233	17,333	21,042
65	mostly out of biomass from animals 1).....	2,645	2,584	3,398	3,819

<sup>\*)</sup> From 2001, imports and exports are collected acc. to SITC. A comparison of the figures with earlier results is hence only partially possible because of a change of concept.

1) Including products from fish catch and from hunting and living working animals.

**Table 5.3: Exports by degree of processing <sup>\*)</sup>**

1,000 tonnes

2004	2005	2006	2007	2008	2009	2010	2011	2012	No.
349,498	357,022	379,632	396,152	388,026	338,476	365,296	378,449	377,073	1
80,525	78,087	82,008	83,603	85,371	78,050	80,496	86,792	84,570	2
22,421	15,120	11,412	11,096	11,459	9,907	14,996	21,705	25,649	3
185	252	305	427	567	400	277	217	276	4
16	0	28	141	533	523	696	789	1,134	5
1,253	935	350	280	40	266	343	284	175	6
20,967	13,933	10,730	10,249	10,318	8,717	13,680	20,415	24,064	7
-	0	0	0	0	0	0	0	0	8
40,796	41,488	48,047	51,024	53,150	46,562	44,498	46,319	40,130	9
158	147	158	185	166	137	192	259	319	10
16	12	22	41	43	10	29	71	47	11
142	135	137	144	124	127	163	188	271	12
48	33	33	37	36	16	28	26	35	13
50	46	54	62	48	71	52	55	57	14
44	56	50	45	40	40	83	106	179	15
40,638	41,340	47,889	50,839	52,983	46,425	44,306	46,060	39,812	16
28,242	28,977	34,350	37,299	39,531	34,084	32,207	34,323	29,713	17
341	417	379	477	482	456	467	527	387	18
1,134	1,322	1,535	1,630	1,598	1,418	1,694	1,664	1,483	19
8,151	8,205	10,437	11,318	11,252	9,740	8,841	9,721	8,286	20
16,053	16,447	19,231	21,252	23,550	20,222	18,913	19,907	17,074	21
2,562	2,585	2,767	2,623	2,649	2,248	2,292	2,505	2,482	22
12,396	12,364	13,539	13,540	13,453	12,341	12,099	11,736	10,099	23
2,078	1,955	2,077	3,473	3,103	3,257	2,246	1,982	1,778	24
583	583	697	745	695	552	569	615	531	25
2,064	2,149	2,030	2,031	1,837	1,601	1,609	1,868	1,699	26
3,207	3,733	3,948	2,787	2,800	2,756	3,114	2,737	2,207	27
1,727	1,553	2,161	1,953	2,527	2,081	2,298	2,293	1,799	28
2,737	2,392	2,627	2,551	2,490	2,093	2,263	2,242	2,084	29
17,308	21,480	22,548	21,483	20,762	21,582	21,002	18,769	18,791	30
11,739	14,724	15,329	14,292	14,883	17,299	16,837	14,469	14,690	31
4,817	5,933	6,430	6,408	5,078	3,379	3,226	3,259	3,031	32
752	823	790	783	801	904	940	1,042	1,069	33
123,377	130,108	134,665	141,651	131,714	116,652	120,392	121,826	123,424	34
34,964	37,626	39,949	41,463	38,634	31,769	27,723	27,737	33,463	35
265	201	267	988	820	731	851	797	879	36
33,504	36,323	38,667	39,385	36,689	30,171	26,154	26,294	31,986	37
1,195	1,103	1,015	1,090	1,124	867	717	646	598	38
59,519	61,796	61,920	65,820	57,382	49,673	55,776	56,447	53,120	39
15,959	15,227	16,731	18,148	17,776	14,984	18,939	20,024	18,816	40
13,430	12,618	13,915	15,279	14,787	11,890	15,593	16,503	15,327	41
2,529	2,609	2,816	2,868	2,990	3,095	3,346	3,521	3,489	42
43,560	46,569	45,188	47,673	39,606	34,689	36,837	36,424	34,304	43
2,771	3,285	3,312	3,721	4,220	3,644	2,993	3,565	3,670	44
40,789	43,283	41,876	43,951	35,386	31,045	33,844	32,859	30,634	45
28,894	30,685	32,797	34,368	35,698	35,210	36,893	37,642	36,841	46
11,798	13,147	13,552	13,203	14,361	15,438	16,993	16,861	17,272	47
10,556	11,238	12,974	14,794	14,443	12,742	12,622	13,435	12,324	48
6,540	6,301	6,271	6,372	6,895	7,030	7,278	7,346	7,245	49
145,596	148,827	162,959	170,898	170,941	143,774	164,408	169,831	169,078	50
33,665	34,736	36,951	38,805	33,646	34,688	37,974	37,952	38,215	51
-	-	-	-	-	-	-	-	-	52
33,660	34,731	36,946	38,801	33,646	34,687	37,973	37,951	38,214	53
5	4	5	4	-	1	1	1	1	54
76,391	75,766	85,710	90,072	92,585	68,851	82,464	89,221	87,703	55
65,073	64,092	72,733	76,447	79,044	57,397	68,608	74,967	74,178	56
60,731	59,728	67,789	71,354	73,973	53,400	64,109	69,915	69,318	57
4,342	4,364	4,944	5,094	5,072	3,997	4,499	5,052	4,859	58
11,317	11,673	12,978	13,625	13,541	11,454	13,856	14,254	13,526	59
64	68	82	94	99	89	92	109	105	60
11,253	11,605	12,896	13,531	13,442	11,365	13,764	14,145	13,421	61
35,540	38,326	40,297	42,021	44,710	40,235	43,970	42,657	43,160	62
7,988	8,456	8,498	8,328	9,489	8,364	9,102	8,501	9,491	63
23,295	25,182	26,784	28,249	28,808	25,389	27,863	26,790	26,197	64
4,256	4,687	5,015	5,444	6,413	6,482	7,005	7,366	7,472	65

**Table 5.4: Supply and use of raw material equivalents (RME) by raw material categories 2010**

mn tonnes

No.	Raw materials	First appearance (RMI) <sup>1)</sup> respectively final use							
		Total	Supply		Final use				
			Domestic extraction	Imports <sub>RME</sub> <sup>3)</sup>	Domestic (RMC) <sup>2)</sup>				Exports <sub>RME</sub> <sup>3)</sup>
					Total	including:			
				Consumption <sup>4)</sup>		Gross fixed capital formation in machinery, equipment	Gross fixed capital formation in construction		
1	Total.....	2,716	1,004	1,712	1,236	777	99	575	1,479
2	Total abiotic.....	2,285	755	1,530	983	527	94	558	1,301
3	Ores 5).....	826	0	826	44	92	60	34	782
4	Iron ores and manganese ore.....	231	0	230	11	34	24	16	220
5	Non-ferrous metal ores.....	595	–	595	33	58	36	18	562
	including:								
6	Copper ores.....	214	–	214	25	22	14	9	189
7	Aluminium ores (bauxite).....	38	–	38	8	5	3	2	30
8	Fossil fuels 6).....	755	199	556	410	345	25	27	345
9	Lignite 7).....	203	172	30	110	97	6	8	92
10	Hard coal.....	165	13	152	96	82	8	6	69
11	Crude oil, natural gas liquids, LNG.....	215	3	211	110	87	5	8	105
12	Natural gas.....	172	11	162	94	78	6	5	78
13	Other mineral raw materials 8).....	704	556	148	529	91	9	496	175
14	Mineral fertilisers 9).....	21	7	14	7	6	0	1	14
15	Chemical Minerals 10).....	24	10	14	11	5	1	4	13
16	Sodium chloride.....	50	20	30	16	13	1	1	34
17	Silicia sands 11).....	22	12	9	9	6	1	4	12
18	limestone 12), gypsum 13).....	125	79	47	78	23	4	53	47
19	Sand 14), gravel, crushed natural stones.....	440	413	27	397	34	2	427	43
20	ashlars.....	1	1	1	1	0	0	1	1
21	Clays 15).....	21	14	7	11	4	0	6	10
22	Biomass.....	431	249	181	253	250	5	18	178
23	from agriculture.....	353	223	130	223	222	2	3	130
24	from forestry.....	76	26	50	29	27	3	15	47
25	from fishery 16) and hunting.....	1	0	1	1	1	0	0	0

1) Raw Material Input.

2) Raw Material Consumption.

3) Raw Material Equivalents.

4) Consumption of private households, NPISHs and government.

5) Ores incl. Gangue but without as accompanying sands.

6) Incl. For non-energy use.

7) Incl. peat.

8) Excl. Excavated soil..

9) Phosphates, potash and kieserite.

10) Incl. Sulfur and other mineral raw materials n.o.s.

11) Excl. Mineral sands used for metal production (see ores).

12) Incl. Dolostone.

13) Incl. anhydride and chalk.

14) Excl. Silica sand and other special sands.

15) Incl. bentonite and kaolin.

16) Wild fish catch and other aquatic (incl. Mussels from aquaculture).

**Table 6.1: Water flow between nature and economy - homogeneous branches and private households**mn m<sup>3</sup>

No.	Specification	Water distribution	Waste water disposal	Other homogeneous branches	Private households	Total
<b>1995</b>						
1	Water withdrawal from nature.....	6,455	5,008	37,321	47	48,831
2	Infiltration and rainwater.....		5,008			5,008
3	Ground water, surface water etc.....	6,455		37,321	47	43,823
4	+ Water received.....	-5,620	10	2,336	3,266	-8
5	= Water use.....	835	5,018	39,657	3,313	48,823
6	+/- Water incorporated into, minus water removed from other materials.....			329	-148	181
7	= Water discharge into nature.....	835	5,018	39,329	3,461	48,642
8	Infiltration and rainwater.....		4,993			4,993
9	Losses.....	711				711
10	Evaporation.....		1	1,897	285	2,183
11	Waste water.....	124	24	37,432	3,176	40,756
12	Waste water indirectly discharged.....	124	24	1,590	2,930	4,667
13	Waste water directly discharged.....			35,842	246	36,088
14	Treated waste water.....			1,246	246	1,493
15	Untreated waste water.....			34,596		34,596
16	Cooling waste water.....			32,282		32,282
17	Other waste water.....			2,314		2,314
<b>1998</b>						
18	Water withdrawal from nature.....	6,253	4,750	34,758	46	45,807
19	Infiltration and rainwater.....		4,750			4,750
20	Ground water, surface water etc.....	6,253		34,758	46	41,057
21	+ Water received.....	-5,521	9	2,301	3,204	-7
22	= Water use.....	732	4,759	37,059	3,250	45,800
23	+/- Water incorporated into, minus water removed from other materials.....			319	-154	165
24	= Water discharge into nature.....	732	4,759	36,740	3,404	45,635
25	Infiltration and rainwater.....		4,734			4,734
26	Losses.....	600				600
27	Evaporation.....		1	1,462	153	1,616
28	Waste water.....	132	24	35,278	3,251	38,684
29	Waste water indirectly discharged.....	132	24	1,527	3,047	4,729
30	Waste water directly discharged.....			33,751	204	33,955
31	Treated waste water.....			945	204	1,149
32	Untreated waste water.....			32,806		32,806
33	Cooling waste water.....			30,711		30,711
34	Other waste water.....			2,095		2,095
<b>2001</b>						
35	Water withdrawal from nature.....	6,137	5,235	32,502	26	43,899
36	Infiltration and rainwater.....		5,235			5,235
37	Ground water, surface water etc.....	6,137		32,502	26	38,665
38	+ Water received.....	-5,474	9	2,259	3,198	-7
39	= Water use.....	663	5,244	34,761	3,224	43,892
40	+/- Water incorporated into, minus water removed from other materials.....			314	-150	165
41	= Water discharge into nature.....	663	5,244	34,447	3,374	43,727
42	Infiltration and rainwater.....		5,219			5,219
43	Losses.....	530				530
44	Evaporation.....		1	1,582	99	1,682
45	Waste water.....	133	23	32,865	3,275	36,296
46	Waste water indirectly discharged.....	133	23	1,541	3,095	4,792
47	Waste water directly discharged.....			31,324	180	31,504
48	Treated waste water.....			895	180	1,075
49	Untreated waste water.....			30,429		30,429
50	Cooling waste water.....			28,568		28,568
51	Other waste water.....			1,861		1,861
<b>2004</b>						
52	Water withdrawal from nature.....	6,235	4,221	30,053	28	40,537
53	Infiltration and rainwater.....		4,221			4,221
54	Ground water, surface water etc.....	6,235		30,053	28	36,316
55	+ Water received.....	-5,594	7	2,397	3,182	-9
56	= Water use.....	641	4,228	32,450	3,209	40,528
57	+/- Water incorporated into, minus water removed from other materials.....			296	-156	140
58	= Water discharge into nature.....	641	4,228	32,154	3,365	40,388
59	Infiltration and rainwater.....		4,206			4,206
60	Losses.....	495				495
61	Evaporation.....		1	1,595	98	1,694
62	Waste water.....	145	21	30,559	3,267	33,992
63	Waste water indirectly discharged.....	145	21	1,522	3,081	4,770
64	Waste water directly discharged.....			29,036	186	29,222
65	Treated waste water.....			913	186	1,099
66	Untreated waste water.....			28,124		28,124
67	Cooling waste water.....			25,965		25,965
68	Other waste water.....			2,159		2,159

**Table 6.1: Water flow between nature and economy - homogeneous branches and private households**mn m<sup>3</sup>

No.	Specification	Water distribution	Waste water disposal	Other homogeneous branches	Private households	Total
<b>2007</b>						
69	Water withdrawal from nature.....	5,972	4,872	26,875	28	37,747
70	Infiltration and rainwater.....		4,872			4,872
71	Ground water, surface water etc.....	5,972		26,875	28	32,875
72	+ Water received.....	-5,360	10	2,275	3,075	-1
73	= Water use.....	612	4,882	29,149	3,103	37,746
74	+/- Water incorporated into, minus water removed from other materials.....			292	-173	120
75	= Water discharge into nature.....	612	4,882	28,856	3,276	37,626
76	Infiltration and rainwater.....		4,857			4,857
77	Losses.....	462				462
78	Evaporation.....		1	1,738	94	1,834
79	Waste water.....	150	24	27,118	3,182	30,473
80	Waste water indirectly discharged.....	150	24	1,548	2,979	4,701
81	Waste water directly discharged.....			25,570	203	25,772
82	Treated waste water.....			924	203	1,127
83	Untreated waste water.....			24,645		24,645
84	Cooling waste water.....			22,491		22,491
85	Other waste water.....			2,154		2,154
<b>2010<sup>1)</sup></b>						
86	Water withdrawal from nature.....	5,640	4,972	27,469	23	38,104
87	Infiltration and rainwater.....		4,972			4,972
88	Ground water, surface water etc.....	5,640		27,469	23	33,132
89	+ Water received.....	-5,020	5	2,032	2,981	-1
90	= Water use.....	620	4,977	29,501	3,004	38,103
91	+/- Water incorporated into, minus water removed from other materials.....			332	-173	159
92	= Water discharge into nature.....	620	4,977	29,210	3,177	37,984
93	Infiltration and rainwater.....		4,977			4,977
94	Losses.....	475				475
95	Evaporation.....		2	1,718	91	1,811
96	Waste water.....	145	18	27,492	3,086	30,741
97	Waste water indirectly discharged.....	145	18	1,263	2,884	4,310
98	Waste water directly discharged.....			26,230	202	26,431
99	Treated waste water.....			864	202	1,066
100	Untreated waste water.....			25,366		25,366
101	Cooling waste water.....			23,261		23,261
102	Other waste water.....			2,105		2,105
<b>2010 gegenüber 2001 in Prozent</b>						
103	Water withdrawal from nature.....	- 8.1	- 5.0	- 15.5	- 10.0	- 13.2
104	Infiltration and rainwater.....	-	- 5.0	-	-	- 5.0
105	Ground water, surface water etc.....	- 8.1	-	- 15.5	- 10.0	- 14.3
106	+ Water received.....	- 8.3	- 40.4	- 10.0	- 6.8	- 86.3
107	= Water use.....	- 6.5	- 5.1	- 15.1	- 6.8	- 13.2
108	+/- Water incorporated into, minus water removed from other materials.....	-	-	5.6	15.4	- 3.4
109	= Water discharge into nature.....	- 6.5	- 5.1	- 15.2	- 5.8	- 13.1
110	Infiltration and rainwater.....	-	- 4.6	-	-	- 4.6
111	Losses.....	- 10.3	-	-	-	- 10.3
112	Evaporation.....	-	90.0	8.6	- 7.9	7.7
113	Waste water.....	8.4	- 22.2	- 16.3	- 5.8	- 15.3
114	Waste water indirectly discharged.....	8.4	- 22.2	- 18.0	- 6.8	- 10.1
115	Waste water directly discharged.....	-	-	- 16.3	12.3	- 16.1
116	Treated waste water.....	-	-	- 3.5	12.3	- 0.9
117	Untreated waste water.....	-	-	- 16.6	-	- 16.6
118	Cooling waste water.....	-	-	- 18.6	-	- 18.6
119	Other waste water.....	-	-	13.1	-	13.1
<b>2010 gegenüber 2001 absolut</b>						
120	Water withdrawal from nature.....	- 497	- 263	- 5 033	- 3	- 5 795
121	Infiltration and rainwater.....	-	- 263	-	-	- 263
122	Ground water, surface water etc.....	- 497	-	- 5 033	- 3	- 5 533
123	+ Water received.....	454	- 4	- 227	- 217	6
124	= Water use.....	- 43	- 266	- 5 260	- 220	- 5 789
125	+/- Water incorporated into, minus water removed from other materials.....	-	-	17	- 23	- 6
126	= Water discharge into nature.....	- 43	- 266	- 5 237	- 197	- 5 743
127	Infiltration and rainwater.....	-	- 242	-	-	- 242
128	Losses.....	- 54	-	-	-	- 54
129	Evaporation.....	-	1	136	- 8	129
130	Waste water.....	11	- 5	- 5 373	- 189	- 5 556
131	Waste water indirectly discharged.....	11	- 5	- 278	- 211	- 483
132	Waste water directly discharged.....	-	-	- 5 095	22	- 5 073
133	Treated waste water.....	-	-	- 31	22	- 9
134	Untreated waste water.....	-	-	- 5 063	-	- 5 063
135	Cooling waste water.....	-	-	- 5 307	-	- 5 307
136	Other waste water.....	-	-	244	-	244

1) Preliminary results.

Table 6.2: Domestic water use

mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	916	467	467	425	397	461
2	01	Products of agriculture, hunting and related services.....	916	467	467	425	395	461
3	02	Products of forestry, logging and related services.....	-	-	-	-	1	0
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	0	0
5	B	Mining and quarrying.....	2,191	1,950	1,509	1,736	1,728	1,590
6	05	Coal and lignite.....	1,567	1,393	1,024	1,332	1,306	1,231
7	06	Crude petroleum and natural gas.....	34	4	3	4	3	3
8	07-09	Metal ores, other mining and quarrying products.....	590	553	482	400	419	356
9	C	Manufactured products.....	5,852	5,753	5,606	5,826	5,436	5,046
10	10-12	Food products, beverages, tobacco products.....	546	538	532	480	531	457
11	13-15	Textiles, wearing apparel, leather and related products.....	78	60	56	42	38	38
12	16	Wood and products of wood and cork, except furniture.....	17	24	19	16	15	12
13	17	Paper and paper products.....	441	356	374	395	433	429
14	18	Printing and recording services.....	10	11	12	12	12	8
15	19	Coke and refined petroleum products.....	276	232	201	193	192	204
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	3,215	3,253	3,365	3,605	3,172	2,758
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	65
20	22	Rubber and plastic products.....	96	109	101	91	72	65
21	23	Other non-metallic mineral products.....	209	191	173	175	162	181
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	659	684	488	495	524	509
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	49	50	49	52	45	37
29	26	Computer, electronic and optical products.....	61	59	77	77	71	47
30	27	Electrical equipment.....	34	32	21	16	25	15
31	28	Machinery and equipment n.e.c.....	53	48	49	94	55	47
32	29	Motor vehicles, trailers and semi-trailers.....	81	88	69	63	62	104
33	30	Other transport equipment.....	17	13	15	15	22	17
34	31-32	Furniture, other manufactured goods.....	8	8	5	6	4	7
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0	1	46
36	D (35)	Electricity, gas, steam and air conditioning.....	30,017	28,239	26,554	23,851	21,006	21,750
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	5,853	5,491	5,907	4,869	5,494	5,601
40	36	Natural water; water treatment and supply services.....	835	732	663	641	612	620
41	37-39	Sewerage services; waste collection and materials recovery services.....	5,018	4,759	5,244	4,228	4,882	4,981
42	37	Sewerage services, sewerage sludge.....	5,018	4,759	5,244	4,228	4,882	4,977
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.	4
44	F	Constructions and construction works.....	56	50	48	39	37	39
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	63	54	55	54	55	50
48	45	Wholesale and retail trade and repair services of motor vehicles.....	31	22	23	24	25	21
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	11	11	10	10	9	10
50	47	Retail trade services; except of motor vehicles and motorcycles.....	21	21	21	21	20	19
51	H	Transportation and storage services.....	47	42	36	37	37	39
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline....	.	.	.	.	.	25
54	50	Water transport services.....	3	3	2	2	2	2
55	51	Air transport services.....	5	5	5	5	6	6
56	52	Warehousing and support services for transportation.....	3	3	3	4	4	4
57	53	Postal and courier services.....	4	3	3	3	3	2
58	I	Accommodation and food services.....	68	69	72	71	91	116
59	J	Information and communication services.....	6	6	7	8	5	34
60	K	Financial and insurance services.....	10	9	9	9	11	8
61	L	Real estate services.....	2	2	2	3	3	3
62	M	Professional, scientific and technical services.....	17	19	20	15	16	19
63	N	Administrative and support services.....	13	14	16	14	15	16
64	O	Public administration and defence services.....	59	57	41	41	32	34
65	P	Education services.....	87	86	84	85	85	86
66	Q	Human health and social work services.....	108	103	104	103	67	68
67	R-T	Other services.....	144	138	131	132	128	138
68		<b>All homogeneous branches.....</b>	<b>45,510</b>	<b>42,550</b>	<b>40,668</b>	<b>37,319</b>	<b>34,643</b>	<b>35,099</b>
69		<b>Private households.....</b>	<b>3,313</b>	<b>3,250</b>	<b>3,224</b>	<b>3,209</b>	<b>3,103</b>	<b>3,004</b>
70		<b>All homogeneous branches and private households.....</b>	<b>48,823</b>	<b>45,800</b>	<b>43,892</b>	<b>40,528</b>	<b>37,746</b>	<b>38,103</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.



**Table 6.3: Domestic water use**

1995 = 100

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	100	51	51	46	43	50
2	01	Products of agriculture, hunting and related services.....	100	51	51	46	43	50
3	02	Products of forestry, logging and related services.....	-	-	-	-	-	-
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	100	89	69	79	79	73
6	05	Coal and lignite.....	100	89	65	85	83	79
7	06	Crude petroleum and natural gas.....	100	11	8	11	8	9
8	07-09	Metal ores, other mining and quarrying products.....	-	-	-	-	-	60
9	C	Manufactured products.....	100	98	96	100	93	86
10	10-12	Food products, beverages, tobacco products.....	100	98	97	88	97	84
11	13-15	Textiles, wearing apparel, leather and related products.....	100	76	72	53	49	48
12	16	Wood and products of wood and cork, except furniture.....	100	137	112	93	86	68
13	17	Paper and paper products.....	100	81	85	90	98	97
14	18	Printing and recording services.....	100	108	125	123	116	83
15	19	Coke and refined petroleum products.....	100	84	73	70	69	74
16	19.1	Coke oven products.....	-	-	-	-	-	-
17	19.2	Refined petroleum products.....	-	-	-	-	-	-
18	20	Chemicals and chemical products 3).....	100	101	105	112	99	86
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	-	-	-	-	-	-
20	22	Rubber and plastic products.....	100	113	105	94	75	67
21	23	Other non-metallic mineral products.....	100	92	83	84	78	87
22	23.1	Glass and glass products.....	-	-	-	-	-	-
23	23.2-9	Refractory products, cut, shaped and finished stone.....	-	-	-	-	-	-
24	24	Basic metals.....	100	104	74	75	79	77
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	-	-	-	-	-	-
26	24.4	Basic precious and other non-ferrous metals.....	-	-	-	-	-	-
27	24.5	Casting services of metals.....	-	-	-	-	-	-
28	25	Fabricated metal products, except machinery and equipment.....	100	103	100	107	92	76
29	26	Computer, electronic and optical products.....	100	95	124	125	116	76
30	27	Electrical equipment.....	100	95	62	47	73	43
31	28	Machinery and equipment n.e.c.....	100	90	92	177	103	88
32	29	Motor vehicles, trailers and semi-trailers.....	100	108	84	78	77	128
33	30	Other transport equipment.....	100	74	88	84	128	100
34	31-32	Furniture, other manufactured goods.....	100	99	58	70	53	88
35	33	Repair and installation services of machinery and equipment.....	-	-	-	-	-	-
36	D (35)	Electricity, gas, steam and air conditioning.....	100	94	88	79	70	72
37	35.1/.3	Electricity, transmission and distribution services, steam.....	-	-	-	-	-	-
38	35.2	Manufactured gas.....	-	-	-	-	-	-
39	E	Water supply; sewerage, waste management and remediation services.....	100	94	101	83	94	96
40	36	Natural water; water treatment and supply services.....	100	88	79	77	73	74
41	37-39	Sewerage services; waste collection and materials recovery services.....	100	95	105	84	97	99
42	37	Sewerage services, sewerage sludge.....	100	95	105	84	97	99
43	38-39	Waste collection, treatment and disposal services.....	-	-	-	-	-	-
44	F	Constructions and construction works.....	100	89	86	68	66	69
45	41-42	Building and building construction works.....	-	-	-	-	-	-
46	43	Specialised construction works.....	-	-	-	-	-	-
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	100	85	87	87	87	80
48	45	Wholesale and retail trade and repair services of motor vehicles.....	100	71	75	77	82	69
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	100	97	95	89	84	90
50	47	Retail trade services; except of motor vehicles and motorcycles.....	100	100	100	99	95	91
51	H	Transportation and storage services.....	100	88	76	77	78	82
52	49.1-2	Passenger rail transport services, freight rail transport services.....	-	-	-	-	-	-
53	49.3-5	Other passenger land transport services, transport services via pipeline....	-	-	-	-	-	-
54	50	Water transport services.....	100	84	67	67	68	68
55	51	Air transport services.....	100	104	97	111	121	123
56	52	Warehousing and support services for transportation.....	100	104	111	122	125	117
57	53	Postal and courier services.....	100	82	78	80	78	60
58	I	Accommodation and food services.....	100	100	106	104	133	169
59	J	Information and communication services.....	100	94	105	131	87	545
60	K	Financial and insurance services.....	100	97	95	94	118	87
61	L	Real estate services.....	100	115	122	135	137	126
62	M	Professional, scientific and technical services.....	100	108	115	86	91	110
63	N	Administrative and support services.....	100	109	119	109	115	120
64	O	Public administration and defence services.....	100	97	70	69	55	58
65	P	Education services.....	100	99	97	98	98	99
66	Q	Human health and social work services.....	100	96	96	95	62	63
67	R-T	Other services.....	100	96	91	92	89	96
68		<b>All homogeneous branches.....</b>	<b>100</b>	<b>93</b>	<b>89</b>	<b>82</b>	<b>76</b>	<b>77</b>
69		<b>Private households.....</b>	<b>100</b>	<b>98</b>	<b>97</b>	<b>97</b>	<b>94</b>	<b>91</b>
70		<b>All homogeneous branches and private households.....</b>	<b>100</b>	<b>94</b>	<b>90</b>	<b>83</b>	<b>77</b>	<b>78</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 6.4: Domestic water use**  
percentage of total

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	1.9	1.0	1.1	1.0	1.1	1.2
2	01	Products of agriculture, hunting and related services.....	1.9	1.0	1.1	1.0	1.0	1.2
3	02	Products of forestry, logging and related services.....	-	-	-	-	0.0	0.0
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	0.0	0.0
5	B	Mining and quarrying.....	4.5	4.3	3.4	4.3	4.6	4.2
6	05	Coal and lignite.....	3.2	3.0	2.3	3.3	3.5	3.2
7	06	Crude petroleum and natural gas.....	0.1	0.0	0.0	0.0	0.0	0.0
8	07-09	Metal ores, other mining and quarrying products.....	1.2	1.2	1.1	1.0	1.1	0.9
9	C	Manufactured products.....	12.0	12.6	12.8	14.4	14.4	13.2
10	10-12	Food products, beverages, tobacco products.....	1.1	1.2	1.2	1.2	1.4	1.2
11	13-15	Textiles, wearing apparel, leather and related products.....	0.2	0.1	0.1	0.1	0.1	0.1
12	16	Wood and products of wood and cork, except furniture.....	0.0	0.1	0.0	0.0	0.0	0.0
13	17	Paper and paper products.....	0.9	0.8	0.9	1.0	1.1	1.1
14	18	Printing and recording services.....	0.0	0.0	0.0	0.0	0.0	0.0
15	19	Coke and refined petroleum products.....	0.6	0.5	0.5	0.5	0.5	0.5
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	6.6	7.1	7.7	8.9	8.4	7.2
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	0.2
20	22	Rubber and plastic products.....	0.2	0.2	0.2	0.2	0.2	0.2
21	23	Other non-metallic mineral products.....	0.4	0.4	0.4	0.4	0.4	0.5
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	1.4	1.5	1.1	1.2	1.4	1.3
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	0.1	0.1	0.1	0.1	0.1	0.1
29	26	Computer, electronic and optical products.....	0.1	0.1	0.2	0.2	0.2	0.1
30	27	Electrical equipment.....	0.1	0.1	0.0	0.0	0.1	0.0
31	28	Machinery and equipment n.e.c.....	0.1	0.1	0.1	0.2	0.1	0.1
32	29	Motor vehicles, trailers and semi-trailers.....	0.2	0.2	0.2	0.2	0.2	0.3
33	30	Other transport equipment.....	0.0	0.0	0.0	0.0	0.1	0.0
34	31-32	Furniture, other manufactured goods.....	0.0	0.0	0.0	0.0	0.0	0.0
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0.0	0.0	0.1
36	D (35)	Electricity, gas, steam and air conditioning.....	61.5	61.7	60.5	58.9	55.7	57.1
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	12.0	12.0	13.5	12.0	14.6	14.7
40	36	Natural water; water treatment and supply services.....	1.7	1.6	1.5	1.6	1.6	1.6
41	37-39	Sewerage services; waste collection and materials recovery services.....	10.3	10.4	11.9	10.4	12.9	13.1
42	37	Sewerage services, sewerage sludge.....	10.3	10.4	11.9	10.4	12.9	13.1
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.	0.0
44	F	Constructions and construction works.....	0.1	0.1	0.1	0.1	0.1	0.1
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	0.1	0.1	0.1	0.1	0.1	0.1
48	45	Wholesale and retail trade and repair services of motor vehicles.....	0.1	0.0	0.1	0.1	0.1	0.1
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	0.0	0.0	0.0	0.0	0.0	0.0
50	47	Retail trade services; except of motor vehicles and motorcycles.....	0.0	0.0	0.0	0.1	0.1	0.1
51	H	Transportation and storage services.....	0.1	0.1	0.1	0.1	0.1	0.1
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline....	.	.	.	.	.	0.1
54	50	Water transport services.....	0.0	0.0	0.0	0.0	0.0	0.0
55	51	Air transport services.....	0.0	0.0	0.0	0.0	0.0	0.0
56	52	Warehousing and support services for transportation.....	0.0	0.0	0.0	0.0	0.0	0.0
57	53	Postal and courier services.....	0.0	0.0	0.0	0.0	0.0	0.0
58	I	Accommodation and food services.....	0.1	0.2	0.2	0.2	0.2	0.3
59	J	Information and communication services.....	0.0	0.0	0.0	0.0	0.0	0.1
60	K	Financial and insurance services.....	0.0	0.0	0.0	0.0	0.0	0.0
61	L	Real estate services.....	0.0	0.0	0.0	0.0	0.0	0.0
62	M	Professional, scientific and technical services.....	0.0	0.0	0.0	0.0	0.0	0.0
63	N	Administrative and support services.....	0.0	0.0	0.0	0.0	0.0	0.0
64	O	Public administration and defence services.....	0.1	0.1	0.1	0.1	0.1	0.1
65	P	Education services.....	0.2	0.2	0.2	0.2	0.2	0.2
66	Q	Human health and social work services.....	0.2	0.2	0.2	0.3	0.2	0.2
67	R-T	Other services.....	0.3	0.3	0.3	0.3	0.3	0.4
68		<b>All homogeneous branches.....</b>	<b>93.2</b>	<b>92.9</b>	<b>92.7</b>	<b>92.1</b>	<b>91.8</b>	<b>92.1</b>
69		<b>Private households.....</b>	<b>6.8</b>	<b>7.1</b>	<b>7.3</b>	<b>7.9</b>	<b>8.2</b>	<b>7.9</b>
70		<b>All homogeneous branches and private households.....</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 6.5: Withdrawal of water from nature**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	764	309	309	273	262	324
2	01	Products of agriculture, hunting and related services.....	764	309	309	273	261	323
3	02	Products of forestry, logging and related services.....	-	-	-	-	1	0
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	0	0
5	B	Mining and quarrying.....	2,071	1,865	1,469	1,694	1,692	1,563
6	05	Coal and lignite.....	1,453	1,312	987	1,293	1,274	1,208
7	06	Crude petroleum and natural gas.....	33	3	2	3	2	1
8	07-09	Metal ores, other mining and quarrying products.....	586	550	480	398	416	353
9	C	Manufactured products.....	4,698	4,636	4,527	4,637	4,297	4,150
10	10-12	Food products, beverages, tobacco products.....	317	297	300	289	289	288
11	13-15	Textiles, wearing apparel, leather and related products.....	57	47	42	30	26	20
12	16	Wood and products of wood and cork, except furniture.....	11	12	10	7	8	6
13	17	Paper and paper products.....	389	329	355	366	405	399
14	18	Printing and recording services.....	6	6	7	8	8	5
15	19	Coke and refined petroleum products.....	234	207	159	150	142	151
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	2,741	2,750	2,860	2,962	2,600	2,387
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	34
20	22	Rubber and plastic products.....	78	85	74	66	48	46
21	23	Other non-metallic mineral products.....	144	142	130	133	126	143
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	533	575	409	413	450	435
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	26	26	26	28	26	20
29	26	Computer, electronic and optical products.....	44	41	55	55	51	31
30	27	Electrical equipment.....	15	14	13	9	13	9
31	28	Machinery and equipment n.e.c.....	31	31	33	73	43	34
32	29	Motor vehicles, trailers and semi-trailers.....	58	61	43	36	41	87
33	30	Other transport equipment.....	11	7	10	9	18	15
34	31-32	Furniture, other manufactured goods.....	4	4	3	3	3	2
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0	1	38
36	D (35)	Electricity, gas, steam and air conditioning.....	29,717	27,883	26,144	23,402	20,579	21,381
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	11,463	11,003	11,372	10,456	10,844	10,612
40	36	Natural water; water treatment and supply services.....	6,455	6,253	6,137	6,235	5,972	5,640
41	37-39	Sewerage services; waste collection and materials recovery services.....	5,008	4,750	5,235	4,221	4,872	4,972
42	37	Sewerage services, sewerage sludge.....	5,008	4,750	5,235	4,221	4,872	4,972
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.	-
44	F	Constructions and construction works.....	35	32	31	25	24	25
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	-	-	-	-	-	-
48	45	Wholesale and retail trade and repair services of motor vehicles.....	-	-	-	-	-	-
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
50	47	Retail trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
51	H	Transportation and storage services.....	3	3	2	2	2	2
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline....	.	.	.	.	.	2
54	50	Water transport services.....	-	-	-	-	-	-
55	51	Air transport services.....	-	-	-	-	-	-
56	52	Warehousing and support services for transportation.....	-	-	-	-	-	-
57	53	Postal and courier services.....	-	-	-	-	-	-
58	I	Accommodation and food services.....	-	-	-	-	-	-
59	J	Information and communication services.....	-	-	-	-	-	-
60	K	Financial and insurance services.....	-	-	-	-	-	-
61	L	Real estate services.....	-	-	-	-	-	-
62	M	Professional, scientific and technical services.....	-	-	-	-	-	-
63	N	Administrative and support services.....	-	-	-	-	-	-
64	O	Public administration and defence services.....	6	6	3	3	3	3
65	P	Education services.....	-	-	-	-	-	-
66	Q	Human health and social work services.....	3	2	2	2	2	2
67	R-T	Other services.....	23	22	15	15	13	20
68		<b>All homogeneous branches.....</b>	<b>48,784</b>	<b>45,761</b>	<b>43,874</b>	<b>40,509</b>	<b>37,719</b>	<b>38,081</b>
69		Private households.....	47	46	26	28	28	23
70		<b>All homogeneous branches and private households.....</b>	<b>48,831</b>	<b>45,807</b>	<b>43,899</b>	<b>40,537</b>	<b>37,747</b>	<b>38,104</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 6.6: Water received**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	152	158	158	152	134	137
2	01	Products of agriculture, hunting and related services.....	152	158	158	152	134	137
3	02	Products of forestry, logging and related services.....	-	-	-	-	0	-
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	0	0
5	B	Mining and quarrying.....	120	85	40	41	36	27
6	05	Coal and lignite.....	115	81	37	39	33	23
7	06	Crude petroleum and natural gas.....	1	1	1	1	1	2
8	07-09	Metal ores, other mining and quarrying products.....	4	3	2	2	3	2
9	C	Manufactured products.....	1,153	1,117	1,079	1,190	1,139	896
10	10-12	Food products, beverages, tobacco products.....	230	241	233	191	242	169
11	13-15	Textiles, wearing apparel, leather and related products.....	22	13	14	12	13	18
12	16	Wood and products of wood and cork, except furniture.....	6	11	10	9	7	6
13	17	Paper and paper products.....	52	27	18	29	28	30
14	18	Printing and recording services.....	4	5	5	5	4	3
15	19	Coke and refined petroleum products.....	43	25	43	43	49	53
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	473	503	505	643	572	370
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	32
20	22	Rubber and plastic products.....	19	24	27	25	24	19
21	23	Other non-metallic mineral products.....	64	49	43	42	36	38
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	126	109	80	83	73	74
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	23	24	22	24	19	18
29	26	Computer, electronic and optical products.....	18	17	22	22	21	16
30	27	Electrical equipment.....	19	18	8	6	11	5
31	28	Machinery and equipment n.e.c.....	22	17	16	21	12	13
32	29	Motor vehicles, trailers and semi-trailers.....	24	27	26	27	21	17
33	30	Other transport equipment.....	7	6	6	6	5	3
34	31-32	Furniture, other manufactured goods.....	4	4	2	2	2	5
35	33	Repair and installation services of machinery and equipment.....	-	-	-	-	0	9
36	D (35)	Electricity, gas, steam and air conditioning.....	300	356	410	449	427	370
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	-5,610	-5,512	-5,465	-5,587	-5,351	-5,011
40	36	Natural water; water treatment and supply services.....	-5,620	-5,521	-5,474	-5,594	-5,360	-5,020
41	37-39	Sewerage services; waste collection and materials recovery services.....	10	9	9	7	10	9
42	37	Sewerage services, sewerage sludge.....	10	9	9	7	10	5
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.	4
44	F	Constructions and construction works.....	21	18	17	14	13	14
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	63	54	55	54	55	50
48	45	Wholesale and retail trade and repair services of motor vehicles.....	31	22	23	24	25	21
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	11	11	10	10	9	10
50	47	Retail trade services; except of motor vehicles and motorcycles.....	21	21	21	21	20	19
51	H	Transportation and storage services.....	44	39	34	35	35	37
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline....	.	.	.	.	.	23
54	50	Water transport services.....	3	3	2	2	2	2
55	51	Air transport services.....	5	5	5	5	6	6
56	52	Warehousing and support services for transportation.....	3	3	3	4	4	4
57	53	Postal and courier services.....	4	3	3	3	3	2
58	I	Accommodation and food services.....	68	69	72	71	91	116
59	J	Information and communication services.....	6	6	7	8	5	34
60	K	Financial and insurance services.....	10	9	9	9	11	8
61	L	Real estate services.....	2	2	2	3	3	3
62	M	Professional, scientific and technical services.....	17	19	20	15	16	19
63	N	Administrative and support services.....	13	14	16	14	15	16
64	O	Public administration and defence services.....	53	51	38	37	29	31
65	P	Education services.....	87	86	84	85	85	86
66	Q	Human health and social work services.....	105	101	101	101	65	66
67	R-T	Other services.....	121	116	117	117	115	118
68		<b>All homogeneous branches.....</b>	<b>-3,274</b>	<b>-3,211</b>	<b>-3,206</b>	<b>-3,191</b>	<b>-3,076</b>	<b>-2,982</b>
69		<b>Private households.....</b>	<b>3,266</b>	<b>3,204</b>	<b>3,198</b>	<b>3,182</b>	<b>3,075</b>	<b>2,981</b>
70		<b>All homogeneous branches and private households.....</b>	<b>-8</b>	<b>-7</b>	<b>-7</b>	<b>-9</b>	<b>-1</b>	<b>-1</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 6.7: Water intensity - use of water per gross value added, price-adjusted**

Index 2000=100

No.	CPA <sup>1)</sup>	Homogeneous branches	2000	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	100	90	91	97	126
2	01	Products of agriculture, hunting and related services.....	100	89	93	102	133
3	02	Products of forestry, logging and related services.....	.	.	.	.	.
4	03	Fish and other fishing products; aquaculture products.....	.	.	.	.	.
5	B	Mining and quarrying.....	100	96	129	103	78
6	05	Coal and lignite.....	.	.	.	.	.
7	06	Crude petroleum and natural gas.....	100	84	111	72	102
8	07-09	Metal ores, other mining and quarrying products.....	100	124	125	108	77
9	C	Manufactured products.....	100	91	92	76	75
10	10-12	Food products, beverages, tobacco products.....	100	93	83	95	82
11	13-15	Textiles, wearing apparel, leather and related products.....	100	81	69	66	78
12	16	Wood and products of wood and cork, except furniture.....	100	87	75	67	62
13	17	Paper and paper products.....	100	102	114	119	140
14	18	Printing and recording services.....	100	120	139	135	111
15	19	Coke and refined petroleum products.....	100	77	70	77	74
16	19.1	Coke oven products.....	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	100	90	89	72	62
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.
20	22	Rubber and plastic products.....	100	92	78	59	53
21	23	Other non-metallic mineral products.....	100	108	122	103	131
22	23.1	Glass and glass products.....	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.
24	24	Basic metals.....	100	88	83	65	96
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	100	91	102	73	65
29	26	Computer, electronic and optical products.....	100	136	113	87	70
30	27	Electrical equipment.....	100	107	77	120	64
31	28	Machinery and equipment n.e.c.....	100	107	.	96	89
32	29	Motor vehicles, trailers and semi-trailers.....	100	84	73	59	104
33	30	Other transport equipment.....	100	93	108	129	88
34	31-32	Furniture, other manufactured goods.....	100	77	99	66	107
35	33	Repair and installation services of machinery and equipment.....	.	.	.	.	.
36	D (35)	Electricity, gas, steam and air conditioning.....	100	99	69	49	43
37	35.1/3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	100	106	82	86	88
40	36	Natural water; water treatment and supply services.....	100	97	94	89	101
41	37-39	Sewerage services; waste collection and materials recovery services.....	100	108	81	84	83
42	37	Sewerage services, sewerage sludge.....	.	.	.	.	.
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.
44	F	Constructions and construction works.....	100	105	96	89	82
45	41-42	Building and building construction works.....	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	100	97	99	92	96
48	45	Wholesale and retail trade and repair services of motor vehicles.....	100	96	89	94	100
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	100	91	87	69	86
50	47	Retail trade services; except of motor vehicles and motorcycles.....	100	101	108	107	107
51	H	Transportation and storage services.....	100	91	91	82	88
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.
53	49.3-5	Other passenger land transport services, transport services via pipeline...	.	.	.	.	.
54	50	Water transport services.....	.	.	.	.	.
55	51	Air transport services.....	.	.	.	.	.
56	52	Warehousing and support services for transportation.....	100	96	83	72	75
57	53	Postal and courier services.....	100	101	108	112	103
58	I	Accommodation and food services.....	100	100	102	119	156
59	J	Information and communication services.....	100	97	129	80	.
60	K	Financial and insurance services.....	100	101	79	116	79
61	L	Real estate services.....	100	98	106	96	86
62	M	Professional, scientific and technical services.....	100	100	79	74	97
63	N	Administrative and support services.....	100	102	88	78	85
64	O	Public administration and defence services.....	100	85	84	66	66
65	P	Education services.....	100	98	95	93	90
66	Q	Human health and social work services.....	100	98	90	56	51
67	R-T	Other services.....	100	97	94	85	89
68		<b>All homogeneous branches.....</b>	<b>100</b>	<b>96</b>	<b>87</b>	<b>74</b>	<b>76</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 6.8: Withdrawal of water from nature**mn m<sup>3</sup>

No.	NACE rev.2 Code <sup>1)</sup>	Industries	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Agriculture, forestry and fishing.....	764	309	309	273	262	325
2	01	Crop and animal production, hunting and related services.....	764	309	309	273	261	325
3	02	Forestry and logging.....	-	-	-	-	1	0
4	03	Fishing and aquaculture.....	-	-	-	-	0	0
5	B	Mining and quarrying.....	3,208	2,869	2,520	2,426	2,434	2,189
6	05	Mining of coal and lignite.....	2,527	2,296	2,035	2,025	2,015	1,835
7	06	Extraction of crude petroleum and natural gas.....	33	3	2	3	3	1
8	07-09	Mining of metal ores, other mining and quarrying.....	648	569	483	398	416	354
9	C	Manufacturing.....	6,041	5,818	5,374	5,412	4,958	4,660
10	10-12	Manufacture of food products, beverages and tobacco products.....	324	304	310	299	298	291
11	13-15	Manufacture of textiles, wearing apparel, leather and related products.....	196	177	43	31	26	20
12	16	Manufacture of wood and products of wood and cork, except furniture.....	17	13	12	8	8	6
13	17	Manufacture of paper and paper products.....	691	583	522	522	504	486
14	18	Printing and reproduction of recorded media.....	6	6	7	8	8	5
15	19	Manufacture of coke and refined petroleum products.....	264	214	180	168	155	165
16	19.1	Manufacture of coke oven products.....	.	.	.	.	.	.
17	19.2	Manufacture of refined petroleum products.....	.	.	.	.	.	.
18	20	Manufacture of chemicals and chemical products 3).....	3,108	3,271	3,200	3,251	2,888	2,545
19	21	Manufacture of basic pharmaceutical products.....	.	.	.	.	.	35
20	22	Manufacture of rubber and plastic products.....	81	87	80	69	50	47
21	23	Manufacture of other non-metallic mineral products.....	146	143	132	135	127	144
22	23.1	Manufacture of glass and glass products.....	.	.	.	.	.	.
23	23.2	Manufacture of refractory products, cutting, finishing of stone.....	.	.	.	.	.	.
24	24	Manufacture of basic metals.....	940	829	695	692	681	675
25	24.1-3	Iron and steel.....	.	.	.	.	.	.
26	24.4	Manufacture of basic precious and non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting of metals.....	.	.	.	.	.	.
28	25	Manufacture of fabricated metal products, except machinery.....	29	27	28	30	27	21
29	26	Manufacture of computer, electronic and optical products.....	45	42	58	57	52	32
30	27	Manufacture of electrical equipment.....	15	14	13	10	14	10
31	28	Manufacture of machinery and equipment n.e.c.....	38	33	36	76	53	35
32	29	Manufacture of motor vehicles, trailers and semi-trailers.....	126	62	45	44	44	89
33	30	Manufacture of other transport equipment.....	11	8	10	9	19	15
34	31-32	Manufacture of furniture, other manufacturing.....	5	4	3	3	3	3
35	33	Repair and installation of machinery and equipment.....	-	-	-	-	1	38
36	D (35)	Electricity, gas, steam and air conditioning supply.....	27,800	26,372	24,837	22,470	19,748	20,656
37	35.1/3	Electric power generation, transmission and distribution, steam.....	.	.	.	.	.	20,587
38	35.2	Manufacture of gas; distribution of gaseous fuels through mains.....	.	.	.	.	.	69
39	E	Water supply; sewerage, waste management and remediation activities.....	10,900	10,327	10,780	9,881	10,271	10,198
40	36	Water collection, treatment and supply.....	5,892	5,578	5,546	5,660	5,399	5,226
41	37-39	Sewerage, waste collection, treatment and disposal activities.....	5,008	4,750	5,235	4,221	4,872	4,972
42	37	Sewerage.....	5,008	4,750	5,235	4,221	4,872	4,972
43	38-39	Waste collection, treatment and disposal activities.....	.	.	.	.	.	-
44	F	Construction.....	35	32	31	25	24	25
45	41-42	Construction of buildings, civil engineering.....	.	.	.	.	.	.
46	43	Specialised construction activities.....	.	.	.	.	.	.
47	G	Wholesale and retail trade; repair of motor vehicles and motorcycles.....	-	-	-	-	-	-
48	45	Wholesale and retail trade and repair of motor vehicles.....	-	-	-	-	-	-
49	46	Wholesale trade; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
50	47	Retail trade; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
51	H	Transportation and storage.....	3	3	2	2	2	2
52	49.1-2	Passenger rail transport, interurban, freight rail transport.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport, transport via pipeline.....	.	.	.	.	.	2
54	50	Water transport.....	-	-	-	-	-	-
55	51	Air transport.....	-	-	-	-	-	-
56	52	Warehousing and support activities for transportation.....	-	-	-	-	-	-
57	53	Postal and courier activities.....	-	-	-	-	-	-
58	I	Accommodation and food service activities.....	-	-	-	-	-	-
59	J	Information and communication.....	-	-	-	-	-	-
60	K	Financial and insurance activities.....	-	-	-	-	-	-
61	L	Real estate activities.....	-	-	-	-	-	-
62	M	Professional, scientific and technical activities.....	-	-	-	-	-	-
63	N	Administrative and support service activities.....	-	-	-	-	-	-
64	O	Public administration and defence; compulsory social security.....	6	6	3	3	3	3
65	P	Education.....	-	-	-	-	-	-
66	Q	Human health and social work activities.....	3	2	2	2	2	2
67	R-t	Other service activities.....	23	22	15	15	13	20
68		<b>All industries.....</b>	<b>48,784</b>	<b>45,761</b>	<b>43,874</b>	<b>40,509</b>	<b>37,719</b>	<b>38,081</b>
69		Private households (domestic consumption).....	47	46	26	28	28	23
70		<b>All industries and private households (residents concept).....</b>	<b>48,831</b>	<b>45,807</b>	<b>43,899</b>	<b>40,537</b>	<b>37,747</b>	<b>38,104</b>

1) Classification of economic activities, 2008 edition.

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

Table 6.9: Water received

mn m<sup>3</sup>

No.	NACE rev.2 Code <sup>1)</sup>	Industries	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Agriculture, forestry and fishing.....	152	158	158	152	134	136
2	01	Crop and animal production, hunting and related services.....	152	158	158	152	134	136
3	02	Forestry and logging.....	-	-	-	-	0	-
4	03	Fishing and aquaculture.....	-	-	-	-	0	0
5	B	Mining and quarrying.....	-202	-193	-273	-247	-247	-246
6	05	Mining of coal and lignite.....	-204	-195	-273	-250	-250	-250
7	06	Extraction of crude petroleum and natural gas.....	1	1	1	1	1	2
8	07-09	Mining of metal ores, other mining and quarrying.....	1	1	-1	2	3	2
9	C	Manufacturing.....	912	720	801	903	848	757
10	10-12	Manufacture of food products, beverages and tobacco products.....	228	238	228	184	235	168
11	13-15	Manufacture of textiles, wearing apparel, leather and related products.....	21	12	14	11	12	18
12	16	Manufacture of wood and products of wood and cork, except furniture.....	6	11	9	8	7	6
13	17	Manufacture of paper and paper products.....	44	18	18	18	24	26
14	18	Printing and reproduction of recorded media.....	4	5	5	5	4	3
15	19	Manufacture of coke and refined petroleum products.....	32	24	41	42	47	50
16	19.1	Manufacture of coke oven products.....	.	.	.	.	.	.
17	19.2	Manufacture of refined petroleum products.....	.	.	.	.	.	.
18	20	Manufacture of chemicals and chemical products 3).....	334	193	288	426	342	273
19	21	Manufacture of basic pharmaceutical products.....	.	.	.	.	.	31
20	22	Manufacture of rubber and plastic products.....	17	22	25	23	24	19
21	23	Manufacture of other non-metallic mineral products.....	63	47	41	41	35	37
22	23.1	Manufacture of glass and glass products.....	.	.	.	.	.	.
23	23.2	Manufacture of refractory products, cutting, finishing of stone.....	.	.	.	.	.	.
24	24	Manufacture of basic metals.....	52	41	39	49	45	46
25	24.1-3	Iron and steel.....	.	.	.	.	.	.
26	24.4	Manufacture of basic precious and non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting of metals.....	.	.	.	.	.	.
28	25	Manufacture of fabricated metal products, except machinery.....	22	24	22	24	18	17
29	26	Manufacture of computer, electronic and optical products.....	17	17	19	20	19	14
30	27	Manufacture of electrical equipment.....	19	18	7	6	11	5
31	28	Manufacture of machinery and equipment n.e.c.....	21	15	13	18	2	12
32	29	Manufacture of motor vehicles, trailers and semi-trailers.....	23	26	24	20	18	15
33	30	Manufacture of other transport equipment.....	6	5	6	6	3	3
34	31-32	Manufacture of furniture, other manufacturing.....	4	4	2	2	2	5
35	33	Repair and installation of machinery and equipment.....	-	-	-	-	0	9
36	D (35)	Electricity, gas, steam and air conditioning supply.....	300	356	410	449	427	370
37	35.1/3	Electric power generation, transmission and distribution, steam.....	.	.	.	.	.	370
38	35.2	Manufacture of gas; distribution of gaseous fuels through mains.....	.	.	.	.	.	0
39	E	Water supply; sewerage, waste management and remediation activities.....	-5,047	-4,836	-4,873	-5,012	-4,777	-4,597
40	36	Water collection, treatment and supply.....	-5,057	-4,846	-4,882	-5,019	-4,787	-4,606
41	37-39	Sewerage, waste collection, treatment and disposal activities.....	10	9	9	7	10	9
42	37	Sewerage.....	10	9	9	7	10	5
43	38-39	Waste collection, treatment and disposal activities.....	.	.	.	.	.	4
44	F	Construction.....	21	18	17	14	13	14
45	41-42	Construction of buildings, civil engineering.....	.	.	.	.	.	.
46	43	Specialised construction activities.....	.	.	.	.	.	.
47	G	Wholesale and retail trade; repair of motor vehicles and motorcycles.....	63	54	55	54	55	50
48	45	Wholesale and retail trade and repair of motor vehicles.....	31	22	23	24	25	21
49	46	Wholesale trade; except of motor vehicles and motorcycles.....	11	11	10	10	9	10
50	47	Retail trade; except of motor vehicles and motorcycles.....	21	21	21	21	20	19
51	H	Transportation and storage.....	44	39	34	35	35	37
52	49.1-2	Passenger rail transport, interurban, freight rail transport.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport, transport via pipeline.....	.	.	.	.	.	23
54	50	Water transport.....	3	3	2	2	2	2
55	51	Air transport.....	5	5	5	5	6	6
56	52	Warehousing and support activities for transportation.....	3	3	3	4	4	4
57	53	Postal and courier activities.....	4	3	3	3	3	2
58	I	Accommodation and food service activities.....	68	69	72	71	91	116
59	J	Information and communication.....	6	6	7	8	5	34
60	K	Financial and insurance activities.....	10	9	9	9	11	8
61	L	Real estate activities.....	2	2	2	3	3	3
62	M	Professional, scientific and technical activities.....	17	19	20	15	16	19
63	N	Administrative and support service activities.....	13	14	16	14	15	16
64	O	Public administration and defence; compulsory social security.....	53	51	38	37	29	31
65	P	Education.....	87	86	84	85	85	86
66	Q	Human health and social work activities.....	105	101	101	101	65	66
67	R-t	Other service activities.....	121	116	117	117	115	118
68		<b>All industries.....</b>	<b>-3,274</b>	<b>-3,211</b>	<b>-3,206</b>	<b>-3,191</b>	<b>-3,076</b>	<b>-2,982</b>
69		<b>Private households (domestic consumption).....</b>	<b>3,266</b>	<b>3,204</b>	<b>3,198</b>	<b>3,182</b>	<b>3,075</b>	<b>2,981</b>
70		<b>All industries and private households (residents concept).....</b>	<b>-8</b>	<b>-7</b>	<b>-7</b>	<b>-9</b>	<b>-1</b>	<b>-1</b>

1) Classification of economic activities, 2008 edition.

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 6.10: Use of water**mn m<sup>3</sup>

No.	NACE rev.2 Code <sup>1)</sup>	Industries	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Agriculture, forestry and fishing.....	916	467	467	425	397	461
2	01	Crop and animal production, hunting and related services.....	916	467	467	425	395	461
3	02	Forestry and logging.....	-	-	-	-	1	0
4	03	Fishing and aquaculture.....	-	-	-	-	0	0
5	B	Mining and quarrying.....	3,006	2,676	2,247	2,179	2,188	1,944
6	05	Mining of coal and lignite.....	2,323	2,102	1,762	1,775	1,765	1,585
7	06	Extraction of crude petroleum and natural gas.....	34	4	3	4	4	3
8	07-09	Mining of metal ores, other mining and quarrying.....	650	570	482	400	419	356
9	C	Manufacturing.....	6,954	6,538	6,174	6,315	5,806	5,417
10	10-12	Manufacture of food products, beverages and tobacco products.....	551	543	537	484	533	458
11	13-15	Manufacture of textiles, wearing apparel, leather and related products.....	217	189	57	42	38	38
12	16	Manufacture of wood and products of wood and cork, except furniture.....	23	24	21	16	15	12
13	17	Manufacture of paper and paper products.....	735	602	540	541	528	512
14	18	Printing and reproduction of recorded media.....	10	11	12	12	12	8
15	19	Manufacture of coke and refined petroleum products.....	296	238	221	210	202	215
16	19.1	Manufacture of coke oven products.....	.	.	.	.	.	.
17	19.2	Manufacture of refined petroleum products.....	.	.	.	.	.	.
18	20	Manufacture of chemicals and chemical products 3).....	3,442	3,464	3,488	3,676	3,230	2,818
19	21	Manufacture of basic pharmaceutical products.....	.	.	.	.	.	66
20	22	Manufacture of rubber and plastic products.....	98	109	105	92	73	66
21	23	Manufacture of other non-metallic mineral products.....	209	191	173	176	162	181
22	23.1	Manufacture of glass and glass products.....	.	.	.	.	.	.
23	23.2	Manufacture of refractory products, cutting, finishing of stone.....	.	.	.	.	.	.
24	24	Manufacture of basic metals.....	992	870	734	742	726	721
25	24.1-3	Iron and steel.....	.	.	.	.	.	.
26	24.4	Manufacture of basic precious and non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting of metals.....	.	.	.	.	.	.
28	25	Manufacture of fabricated metal products, except machinery.....	51	51	50	54	46	38
29	26	Manufacture of computer, electronic and optical products.....	62	59	77	77	72	47
30	27	Manufacture of electrical equipment.....	34	32	21	16	25	15
31	28	Manufacture of machinery and equipment n.e.c.....	59	49	49	94	55	47
32	29	Manufacture of motor vehicles, trailers and semi-trailers.....	149	88	69	63	62	104
33	30	Manufacture of other transport equipment.....	17	13	15	15	22	17
34	31-32	Manufacture of furniture, other manufacturing.....	9	8	5	6	4	7
35	33	Repair and installation of machinery and equipment.....	-	-	-	-	1	47
36	D (35)	Electricity, gas, steam and air conditioning supply.....	28,100	26,728	25,247	22,919	20,176	21,026
37	35.1/3	Electric power generation, transmission and distribution, steam.....	.	.	.	.	.	20,957
38	35.2	Manufacture of gas; distribution of gaseous fuels through mains.....	.	.	.	.	.	69
39	E	Water supply; sewerage, waste management and remediation activities.....	5,853	5,491	5,907	4,869	5,494	5,601
40	36	Water collection, treatment and supply.....	835	732	663	641	612	620
41	37-39	Sewerage, waste collection, treatment and disposal activities.....	5,018	4,759	5,244	4,228	4,882	4,981
42	37	Sewerage.....	5,018	4,759	5,244	4,228	4,882	4,977
43	38-39	Waste collection, treatment and disposal activities.....	-	-	-	-	-	4
44	F	Construction.....	56	50	48	39	37	39
45	41-42	Construction of buildings, civil engineering.....	.	.	.	.	.	.
46	43	Specialised construction activities.....	.	.	.	.	.	.
47	G	Wholesale and retail trade; repair of motor vehicles and motorcycles.....	63	54	55	54	55	50
48	45	Wholesale and retail trade and repair of motor vehicles.....	31	22	23	24	25	21
49	46	Wholesale trade; except of motor vehicles and motorcycles.....	11	11	10	10	9	10
50	47	Retail trade; except of motor vehicles and motorcycles.....	21	21	21	21	20	19
51	H	Transportation and storage.....	47	42	36	37	37	39
52	49.1-2	Passenger rail transport, interurban, freight rail transport.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport, transport via pipeline.....	.	.	.	.	.	25
54	50	Water transport.....	3	3	2	2	2	2
55	51	Air transport.....	5	5	5	5	6	6
56	52	Warehousing and support activities for transportation.....	3	3	3	4	4	4
57	53	Postal and courier activities.....	4	3	3	3	3	2
58	I	Accommodation and food service activities.....	68	69	72	71	91	116
59	J	Information and communication.....	6	6	7	8	5	34
60	K	Financial and insurance activities.....	10	9	9	9	11	8
61	L	Real estate activities.....	2	2	2	3	3	3
62	M	Professional, scientific and technical activities.....	17	19	20	15	16	19
63	N	Administrative and support service activities.....	13	14	16	14	15	16
64	O	Public administration and defence; compulsory social security.....	59	57	41	41	32	34
65	P	Education.....	87	86	84	85	85	86
66	Q	Human health and social work activities.....	108	103	104	103	67	68
67	R-t	Other service activities.....	144	138	131	132	128	138
68		<b>All industries.....</b>	<b>45,510</b>	<b>42,550</b>	<b>40,668</b>	<b>37,319</b>	<b>34,643</b>	<b>35,099</b>
69		Private households (domestic consumption).....	3,313	3,250	3,224	3,209	3,103	3,004
70		<b>All industries and private households (residents concept).....</b>	<b>48,823</b>	<b>45,800</b>	<b>43,892</b>	<b>40,528</b>	<b>37,746</b>	<b>38,103</b>

1) Classification of economic activities, 2008 edition.

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.



**Table 7.1: Waste water**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	31	30	30	22	21	21
2	01	Products of agriculture, hunting and related services.....	31	30	30	22	21	21
3	02	Products of forestry, logging and related services.....	-	-	-	-	0	0
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	2,148	1,870	1,474	1,696	1,678	1,535
6	05	Coal and lignite.....	1,556	1,356	1,021	1,320	1,291	1,206
7	06	Crude petroleum and natural gas.....	5	3	2	3	2	2
8	07-09	Metal ores, other mining and quarrying products.....	587	510	451	374	385	327
9	C	Manufactured products.....	5,403	5,363	5,103	5,381	5,039	4,624
10	10-12	Food products, beverages, tobacco products.....	445	420	418	391	410	372
11	13-15	Textiles, wearing apparel, leather and related products.....	73	56	48	35	28	22
12	16	Wood and products of wood and cork, except furniture.....	12	17	10	7	7	4
13	17	Paper and paper products.....	416	315	339	362	392	381
14	18	Printing and recording services.....	8	9	9	9	8	5
15	19	Coke and refined petroleum products.....	210	198	112	157	146	147
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	3,135	3,241	3,290	3,528	3,165	2,750
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	39
20	22	Rubber and plastic products.....	83	95	86	77	54	51
21	23	Other non-metallic mineral products.....	149	148	131	141	127	136
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	604	606	422	408	444	429
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	40	40	28	40	37	29
29	26	Computer, electronic and optical products.....	57	55	74	74	67	43
30	27	Electrical equipment.....	30	28	18	13	18	13
31	28	Machinery and equipment n.e.c.....	48	43	43	66	54	41
32	29	Motor vehicles, trailers and semi-trailers.....	72	75	56	55	57	100
33	30	Other transport equipment.....	16	12	15	14	21	16
34	31-32	Furniture, other manufactured goods.....	6	6	4	4	3	5
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0	1	40
36	D (35)	Electricity, gas, steam and air conditioning.....	29,271	27,462	25,720	22,933	19,876	20,754
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	148	156	157	166	174	165
40	36	Natural water; water treatment and supply services.....	124	132	133	145	150	145
41	37-39	Sewerage services; waste collection and materials recovery services.....	24	24	23	21	24	20
42	37	Sewerage services, sewerage sludge.....	24	24	23	21	24	18
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.	2
44	F	Constructions and construction works.....	55	49	47	38	37	38
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	58	50	51	51	51	47
48	45	Wholesale and retail trade and repair services of motor vehicles.....	27	20	21	21	23	19
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	11	10	10	9	9	9
50	47	Retail trade services; except of motor vehicles and motorcycles.....	20	20	20	20	19	18
51	H	Transportation and storage services.....	42	37	29	33	33	35
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline.....	.	.	.	.	.	23
54	50	Water transport services.....	2	1	1	1	1	1
55	51	Air transport services.....	4	5	1	5	5	6
56	52	Warehousing and support services for transportation.....	3	3	3	3	4	3
57	53	Postal and courier services.....	4	3	3	3	3	2
58	I	Accommodation and food services.....	63	64	67	66	84	107
59	J	Information and communication services.....	6	5	6	7	5	31
60	K	Financial and insurance services.....	9	8	8	8	10	8
61	L	Real estate services.....	2	2	2	3	3	2
62	M	Professional, scientific and technical services.....	16	17	18	14	15	18
63	N	Administrative and support services.....	12	13	15	14	14	15
64	O	Public administration and defence services.....	36	34	28	27	20	21
65	P	Education services.....	81	80	78	79	79	80
66	Q	Human health and social work services.....	100	96	96	96	62	63
67	R-T	Other services.....	100	96	93	92	92	92
68		<b>All homogeneous branches.....</b>	<b>37,579</b>	<b>35,433</b>	<b>33,022</b>	<b>30,725</b>	<b>27,292</b>	<b>27,655</b>
69		<b>Private households.....</b>	<b>3,176</b>	<b>3,251</b>	<b>3,275</b>	<b>3,267</b>	<b>3,182</b>	<b>3,086</b>
70		<b>All homogeneous branches and private households.....</b>	<b>40,756</b>	<b>38,684</b>	<b>36,296</b>	<b>33,992</b>	<b>30,473</b>	<b>30,741</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.2: Waste water**

1995 = 100

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	100	97	97	71	67	69
2	01	Products of agriculture, hunting and related services.....	100	97	97	71	67	69
3	02	Products of forestry, logging and related services.....	-	-	-	-	-	-
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	100	87	69	79	78	71
6	05	Coal and lignite.....	100	87	66	85	83	77
7	06	Crude petroleum and natural gas.....	100	65	47	52	32	48
8	07-09	Metal ores, other mining and quarrying products.....	100	87	77	64	66	56
9	C	Manufactured products.....	100	99	94	100	93	86
10	10-12	Food products, beverages, tobacco products.....	100	94	94	88	92	84
11	13-15	Textiles, wearing apparel, leather and related products.....	100	77	65	49	39	31
12	16	Wood and products of wood and cork, except furniture.....	100	143	86	57	59	33
13	17	Paper and paper products.....	100	76	81	87	94	92
14	18	Printing and recording services.....	100	118	116	114	111	70
15	19	Coke and refined petroleum products.....	100	94	53	74	69	70
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	100	103	105	113	101	88
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	.
20	22	Rubber and plastic products.....	100	115	104	92	65	62
21	23	Other non-metallic mineral products.....	100	99	87	95	85	91
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	100	100	70	68	73	71
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	100	101	71	101	92	73
29	26	Computer, electronic and optical products.....	100	96	129	129	117	75
30	27	Electrical equipment.....	100	95	59	45	61	45
31	28	Machinery and equipment n.e.c.....	100	90	91	138	114	86
32	29	Motor vehicles, trailers and semi-trailers.....	100	103	78	76	79	137
33	30	Other transport equipment.....	100	74	91	85	130	99
34	31-32	Furniture, other manufactured goods.....	100	99	61	68	54	88
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0	0	0
36	D (35)	Electricity, gas, steam and air conditioning.....	100	94	88	78	68	71
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	100	105	106	113	118	112
40	36	Natural water; water treatment and supply services.....	100	106	108	117	121	117
41	37-39	Sewerage services; waste collection and materials recovery services.....	100	100	98	88	102	86
42	37	Sewerage services, sewerage sludge.....	100	100	98	88	102	76
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.	.
44	F	Constructions and construction works.....	100	89	86	68	66	69
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	100	86	87	87	87	81
48	45	Wholesale and retail trade and repair services of motor vehicles.....	100	71	75	78	82	69
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	100	97	95	89	84	89
50	47	Retail trade services; except of motor vehicles and motorcycles.....	100	100	100	99	95	91
51	H	Transportation and storage services.....	100	88	70	79	78	84
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline....	.	.	.	.	.	.
54	50	Water transport services.....	100	84	68	67	68	70
55	51	Air transport services.....	100	104	28	120	115	133
56	52	Warehousing and support services for transportation.....	100	104	111	122	125	117
57	53	Postal and courier services.....	100	82	78	80	78	60
58	I	Accommodation and food services.....	100	101	106	104	133	169
59	J	Information and communication services.....	100	93	103	122	86	538
60	K	Financial and insurance services.....	100	97	96	94	122	88
61	L	Real estate services.....	100	115	122	135	137	126
62	M	Professional, scientific and technical services.....	100	109	116	87	92	112
63	N	Administrative and support services.....	100	109	119	110	117	124
64	O	Public administration and defence services.....	100	96	77	76	56	60
65	P	Education services.....	100	99	97	98	98	99
66	Q	Human health and social work services.....	100	96	96	96	62	63
67	R-T	Other services.....	100	96	93	93	92	92
68		<b>All homogeneous branches.....</b>	<b>100</b>	<b>94</b>	<b>88</b>	<b>82</b>	<b>73</b>	<b>74</b>
69		<b>Private households.....</b>	<b>100</b>	<b>102</b>	<b>103</b>	<b>103</b>	<b>100</b>	<b>97</b>
70		<b>All homogeneous branches and private households.....</b>	<b>100</b>	<b>95</b>	<b>89</b>	<b>83</b>	<b>75</b>	<b>75</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.3: Waste water**  
percentage of total

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	0.1	0.1	0.1	0.1	0.1	0.1
2	01	Products of agriculture, hunting and related services.....	0.1	0.1	0.1	0.1	0.1	0.1
3	02	Products of forestry, logging and related services.....	-	-	-	-	0.0	0.0
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	5.3	4.8	4.1	5.0	5.5	5.0
6	05	Coal and lignite.....	3.8	3.5	2.8	3.9	4.2	3.9
7	06	Crude petroleum and natural gas.....	0.0	0.0	0.0	0.0	0.0	0.0
8	07-09	Metal ores, other mining and quarrying products.....	1.4	1.3	1.2	1.1	1.3	1.1
9	C	Manufactured products.....	13.3	13.9	14.1	15.8	16.5	15.0
10	10-12	Food products, beverages, tobacco products.....	1.1	1.1	1.2	1.2	1.3	1.2
11	13-15	Textiles, wearing apparel, leather and related products.....	0.2	0.1	0.1	0.1	0.1	0.1
12	16	Wood and products of wood and cork, except furniture.....	0.0	0.0	0.0	0.0	0.0	0.0
13	17	Paper and paper products.....	1.0	0.8	0.9	1.1	1.3	1.2
14	18	Printing and recording services.....	0.0	0.0	0.0	0.0	0.0	0.0
15	19	Coke and refined petroleum products.....	0.5	0.5	0.3	0.5	0.5	0.5
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	7.7	8.4	9.1	10.4	10.4	8.9
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	0.1
20	22	Rubber and plastic products.....	0.2	0.2	0.2	0.2	0.2	0.2
21	23	Other non-metallic mineral products.....	0.4	0.4	0.4	0.4	0.4	0.4
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	1.5	1.6	1.2	1.2	1.5	1.4
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	0.1	0.1	0.1	0.1	0.1	0.1
29	26	Computer, electronic and optical products.....	0.1	0.1	0.2	0.2	0.2	0.1
30	27	Electrical equipment.....	0.1	0.1	0.0	0.0	0.1	0.0
31	28	Machinery and equipment n.e.c.....	0.1	0.1	0.1	0.2	0.2	0.1
32	29	Motor vehicles, trailers and semi-trailers.....	0.2	0.2	0.2	0.2	0.2	0.3
33	30	Other transport equipment.....	0.0	0.0	0.0	0.0	0.1	0.1
34	31-32	Furniture, other manufactured goods.....	0.0	0.0	0.0	0.0	0.0	0.0
35	33	Repair and installation services of machinery and equipment.....	-	-	-	-0.0	0.0	0.1
36	D (35)	Electricity, gas, steam and air conditioning.....	71.8	71.0	70.9	67.5	65.2	67.5
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	0.4	0.4	0.4	0.5	0.6	0.5
40	36	Natural water; water treatment and supply services.....	0.3	0.3	0.4	0.4	0.5	0.5
41	37-39	Sewerage services; waste collection and materials recovery services.....	0.1	0.1	0.1	0.1	0.1	0.1
42	37	Sewerage services, sewerage sludge.....	0.1	0.1	0.1	0.1	0.1	0.1
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.	0.0
44	F	Constructions and construction works.....	0.1	0.1	0.1	0.1	0.1	0.1
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	0.1	0.1	0.1	0.1	0.2	0.2
48	45	Wholesale and retail trade and repair services of motor vehicles.....	0.1	0.1	0.1	0.1	0.1	0.1
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	0.0	0.0	0.0	0.0	0.0	0.0
50	47	Retail trade services; except of motor vehicles and motorcycles.....	0.0	0.1	0.1	0.1	0.1	0.1
51	H	Transportation and storage services.....	0.1	0.1	0.1	0.1	0.1	0.1
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline....	.	.	.	.	.	0.1
54	50	Water transport services.....	0.0	0.0	0.0	0.0	0.0	0.0
55	51	Air transport services.....	0.0	0.0	0.0	0.0	0.0	0.0
56	52	Warehousing and support services for transportation.....	0.0	0.0	0.0	0.0	0.0	0.0
57	53	Postal and courier services.....	0.0	0.0	0.0	0.0	0.0	0.0
58	I	Accommodation and food services.....	0.2	0.2	0.2	0.2	0.3	0.3
59	J	Information and communication services.....	0.0	0.0	0.0	0.0	0.0	0.1
60	K	Financial and insurance services.....	0.0	0.0	0.0	0.0	0.0	0.0
61	L	Real estate services.....	0.0	0.0	0.0	0.0	0.0	0.0
62	M	Professional, scientific and technical services.....	0.0	0.0	0.1	0.0	0.0	0.1
63	N	Administrative and support services.....	0.0	0.0	0.0	0.0	0.0	0.0
64	O	Public administration and defence services.....	0.1	0.1	0.1	0.1	0.1	0.1
65	P	Education services.....	0.2	0.2	0.2	0.2	0.3	0.3
66	Q	Human health and social work services.....	0.2	0.2	0.3	0.3	0.2	0.2
67	R-T	Other services.....	0.2	0.2	0.3	0.3	0.3	0.3
68		<b>All homogeneous branches.....</b>	<b>92.2</b>	<b>91.6</b>	<b>91.0</b>	<b>90.4</b>	<b>89.6</b>	<b>90.0</b>
69		<b>Private households.....</b>	<b>7.8</b>	<b>8.4</b>	<b>9.0</b>	<b>9.6</b>	<b>10.4</b>	<b>10.0</b>
70		<b>All homogeneous branches and private households.....</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.4: Waste water intensity - waste water per gross value added, price-adjusted**

Index 2000=100

No.	CPA <sup>1)</sup>	Homogeneous branches	2000	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	100	90	73	79	91
2	01	Products of agriculture, hunting and related services.....	100	89	74	84	96
3	02	Products of forestry, logging and related services.....	.	.	.	.	.
4	03	Fish and other fishing products; aquaculture products.....	.	.	.	.	.
5	B	Mining and quarrying.....	100	97	131	104	78
6	05	Coal and lignite.....	.	.	.	.	.
7	06	Crude petroleum and natural gas.....	100	84	89	50	95
8	07-09	Metal ores, other mining and quarrying products.....	100	128	129	110	78
9	C	Manufactured products.....	100	90	93	76	74
10	10-12	Food products, beverages, tobacco products.....	100	93	87	93	85
11	13-15	Textiles, wearing apparel, leather and related products.....	100	104	89	74	69
12	16	Wood and products of wood and cork, except furniture.....	100	85	58	59	38
13	17	Paper and paper products.....	100	104	117	122	140
14	18	Printing and recording services.....	100	99	116	115	84
15	19	Coke and refined petroleum products.....	100	67	88	91	83
16	19.1	Coke oven products.....	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	100	89	89	73	63
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.
20	22	Rubber and plastic products.....	100	90	76	51	48
21	23	Other non-metallic mineral products.....	100	108	131	107	130
22	23.1	Glass and glass products.....	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.
24	24	Basic metals.....	100	81	72	58	85
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	100	88	130	99	84
29	26	Computer, electronic and optical products.....	100	139	115	87	68
30	27	Electrical equipment.....	100	107	76	104	68
31	28	Machinery and equipment n.e.c.....	100	108	.	107	89
32	29	Motor vehicles, trailers and semi-trailers.....	100	84	77	66	121
33	30	Other transport equipment.....	100	90	102	122	81
34	31-32	Furniture, other manufactured goods.....	100	79	93	65	104
35	33	Repair and installation services of machinery and equipment.....	.	.	.	.	.
36	D (35)	Electricity, gas, steam and air conditioning.....	100	99	69	49	42
37	35.1/3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	100	104	104	100	95
40	36	Natural water; water treatment and supply services.....	100	101	110	113	122
41	37-39	Sewerage services; waste collection and materials recovery services.....	100	104	86	90	74
42	37	Sewerage services, sewerage sludge.....	.	.	.	.	.
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.
44	F	Constructions and construction works.....	100	105	96	89	82
45	41-42	Building and building construction works.....	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	100	97	99	92	96
48	45	Wholesale and retail trade and repair services of motor vehicles.....	100	96	89	94	99
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	100	91	87	69	86
50	47	Retail trade services; except of motor vehicles and motorcycles.....	100	101	108	107	106
51	H	Transportation and storage services.....	100	87	98	86	94
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.
53	49.3-5	Other passenger land transport services, transport services via pipeline...	.	.	.	.	.
54	50	Water transport services.....	.	.	.	.	.
55	51	Air transport services.....	.	.	.	.	.
56	52	Warehousing and support services for transportation.....	100	96	83	72	75
57	53	Postal and courier services.....	100	101	108	112	103
58	I	Accommodation and food services.....	100	100	102	119	155
59	J	Information and communication services.....	100	97	121	80	.
60	K	Financial and insurance services.....	100	101	79	120	79
61	L	Real estate services.....	100	98	106	96	86
62	M	Professional, scientific and technical services.....	100	100	80	75	99
63	N	Administrative and support services.....	100	102	89	79	88
64	O	Public administration and defence services.....	100	90	90	65	66
65	P	Education services.....	100	98	95	93	90
66	Q	Human health and social work services.....	100	98	91	55	50
67	R-T	Other services.....	100	97	93	87	84
68		<b>All homogeneous branches.....</b>	<b>100</b>	<b>95</b>	<b>87</b>	<b>72</b>	<b>73</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.5: Waste water discharged into nature**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	626	187	193	169	145	210
2	01	Products of agriculture, hunting and related services.....	626	187	193	169	143	210
3	02	Products of forestry, logging and related services.....	-	-	-	-	1	0
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	0	0
5	B	Mining and quarrying.....	2,191	1,950	1,509	1,736	1,727	1,590
6	05	Coal and lignite.....	1,567	1,393	1,024	1,332	1,306	1,231
7	06	Crude petroleum and natural gas.....	34	4	3	4	2	3
8	07-09	Metal ores, other mining and quarrying products.....	590	553	482	400	419	356
9	C	Manufactured products.....	5,813	5,714	5,566	5,786	5,396	5,006
10	10-12	Food products, beverages, tobacco products.....	507	498	492	440	491	417
11	13-15	Textiles, wearing apparel, leather and related products.....	78	60	56	42	38	38
12	16	Wood and products of wood and cork, except furniture.....	17	24	19	16	15	12
13	17	Paper and paper products.....	441	356	374	395	433	429
14	18	Printing and recording services.....	10	11	12	12	12	8
15	19	Coke and refined petroleum products.....	276	232	201	193	192	204
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	3,215	3,253	3,365	3,605	3,172	2,758
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	65
20	22	Rubber and plastic products.....	96	109	101	91	72	65
21	23	Other non-metallic mineral products.....	209	191	173	175	162	181
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	659	684	488	495	524	509
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	49	50	49	52	45	37
29	26	Computer, electronic and optical products.....	61	59	77	77	71	47
30	27	Electrical equipment.....	34	32	21	16	25	15
31	28	Machinery and equipment n.e.c.....	53	48	49	94	55	47
32	29	Motor vehicles, trailers and semi-trailers.....	81	88	69	63	62	104
33	30	Other transport equipment.....	17	13	15	15	22	17
34	31-32	Furniture, other manufactured goods.....	8	8	5	6	4	7
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0	1	46
36	D (35)	Electricity, gas, steam and air conditioning.....	30,017	28,239	26,554	23,851	21,006	21,750
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	5,853	5,491	5,907	4,869	5,494	5,601
40	36	Natural water; water treatment and supply services.....	835	732	663	641	612	620
41	37-39	Sewerage services; waste collection and materials recovery services.....	5,018	4,759	5,244	4,228	4,882	4,981
42	37	Sewerage services, sewerage sludge.....	5,018	4,759	5,244	4,228	4,882	4,977
43	38-39	Waste collection, treatment and disposal services.....	.	.	.	.	.	4
44	F	Constructions and construction works.....	56	50	48	39	37	39
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	63	54	55	54	55	50
48	45	Wholesale and retail trade and repair services of motor vehicles.....	31	22	23	24	25	21
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	11	11	10	10	9	10
50	47	Retail trade services; except of motor vehicles and motorcycles.....	21	21	21	21	20	19
51	H	Transportation and storage services.....	47	42	36	37	37	39
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline.....	.	.	.	.	.	25
54	50	Water transport services.....	3	3	2	2	2	2
55	51	Air transport services.....	5	5	5	5	6	6
56	52	Warehousing and support services for transportation.....	3	3	3	4	4	4
57	53	Postal and courier services.....	4	3	3	3	3	2
58	I	Accommodation and food services.....	68	69	72	71	91	116
59	J	Information and communication services.....	6	6	7	8	5	34
60	K	Financial and insurance services.....	10	9	9	9	11	8
61	L	Real estate services.....	2	2	2	3	3	3
62	M	Professional, scientific and technical services.....	17	19	20	15	16	19
63	N	Administrative and support services.....	13	14	16	14	15	16
64	O	Public administration and defence services.....	59	57	41	41	32	34
65	P	Education services.....	87	86	84	85	85	86
66	Q	Human health and social work services.....	108	103	104	103	67	68
67	R-T	Other services.....	144	138	131	132	128	138
68		<b>All homogeneous branches.....</b>	<b>45,181</b>	<b>42,231</b>	<b>40,354</b>	<b>37,022</b>	<b>34,350</b>	<b>34,807</b>
69		<b>Private households.....</b>	<b>3,461</b>	<b>3,404</b>	<b>3,374</b>	<b>3,365</b>	<b>3,276</b>	<b>3,177</b>
70		<b>All homogeneous branches and private households.....</b>	<b>48,642</b>	<b>45,635</b>	<b>43,727</b>	<b>40,388</b>	<b>37,626</b>	<b>37,984</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.6: Waste water directly discharged**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	-	-	-	-	-	-
2	01	Products of agriculture, hunting and related services.....	-	-	-	-	-	-
3	02	Products of forestry, logging and related services.....	-	-	-	-	-	-
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	2,064	1,841	1,466	1,670	1,658	1,527
6	05	Coal and lignite.....	1,479	1,338	1,015	1,295	1,276	1,202
7	06	Crude petroleum and natural gas.....	5	3	2	2	2	2
8	07-09	Metal ores, other mining and quarrying products.....	581	500	449	373	380	323
9	C	Manufactured products.....	4,557	4,529	4,230	4,517	4,200	3,965
10	10-12	Food products, beverages, tobacco products.....	226	217	220	222	213	216
11	13-15	Textiles, wearing apparel, leather and related products.....	15	13	7	5	5	4
12	16	Wood and products of wood and cork, except furniture.....	8	12	6	4	4	2
13	17	Paper and paper products.....	338	255	279	306	328	334
14	18	Printing and recording services.....	4	5	5	6	6	3
15	19	Coke and refined petroleum products.....	174	187	99	133	128	133
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	2,915	2,934	2,916	3,137	2,773	2,461
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	33
20	22	Rubber and plastic products.....	66	75	65	58	42	42
21	23	Other non-metallic mineral products.....	112	114	103	114	105	113
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	541	551	377	362	413	404
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	21	22	19	23	23	18
29	26	Computer, electronic and optical products.....	39	37	52	49	50	29
30	27	Electrical equipment.....	12	19	12	9	13	9
31	28	Machinery and equipment n.e.c.....	24	26	26	48	40	30
32	29	Motor vehicles, trailers and semi-trailers.....	48	51	33	32	37	83
33	30	Other transport equipment.....	10	7	10	9	17	14
34	31-32	Furniture, other manufactured goods.....	2	3	2	2	2	2
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0	0	34
36	D (35)	Electricity, gas, steam and air conditioning.....	29,221	27,381	25,628	22,849	19,711	20,737
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	-	-	-	-	-	-
40	36	Natural water; water treatment and supply services.....	-	-	-	-	-	-
41	37-39	Sewerage services; waste collection and materials recovery services.....	-	-	-	-	-	-
42	37	Sewerage services, sewerage sludge.....	-	-	-	-	-	-
43	38-39	Waste collection, treatment and disposal services.....	-	-	-	-	-	-
44	F	Constructions and construction works.....	-	-	-	-	-	-
45	41-42	Building and building construction works.....	-	-	-	-	-	-
46	43	Specialised construction works.....	-	-	-	-	-	-
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	-	-	-	-	-	-
48	45	Wholesale and retail trade and repair services of motor vehicles.....	-	-	-	-	-	-
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
50	47	Retail trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
51	H	Transportation and storage services.....	-	-	-	-	-	-
52	49.1-2	Passenger rail transport services, freight rail transport services.....	-	-	-	-	-	-
53	49.3-5	Other passenger land transport services, transport services via pipeline.....	-	-	-	-	-	-
54	50	Water transport services.....	-	-	-	-	-	-
55	51	Air transport services.....	-	-	-	-	-	-
56	52	Warehousing and support services for transportation.....	-	-	-	-	-	-
57	53	Postal and courier services.....	-	-	-	-	-	-
58	I	Accommodation and food services.....	-	-	-	-	-	-
59	J	Information and communication services.....	-	-	-	-	-	-
60	K	Financial and insurance services.....	-	-	-	-	-	-
61	L	Real estate services.....	-	-	-	-	-	-
62	M	Professional, scientific and technical services.....	-	-	-	-	-	-
63	N	Administrative and support services.....	-	-	-	-	-	-
64	O	Public administration and defence services.....	-	-	-	-	-	-
65	P	Education services.....	-	-	-	-	-	-
66	Q	Human health and social work services.....	-	-	-	-	-	-
67	R-T	Other services.....	-	-	-	-	-	-
68		<b>All homogeneous branches.....</b>	<b>35,842</b>	<b>33,751</b>	<b>31,324</b>	<b>29,036</b>	<b>25,570</b>	<b>26,230</b>
69		<b>Private households.....</b>	<b>246</b>	<b>204</b>	<b>180</b>	<b>186</b>	<b>203</b>	<b>202</b>
70		<b>All homogeneous branches and private households.....</b>	<b>36,088</b>	<b>33,955</b>	<b>31,504</b>	<b>29,222</b>	<b>25,772</b>	<b>26,431</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.7: Waste water indirectly discharged**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	31	30	30	22	21	21
2	01	Products of agriculture, hunting and related services.....	31	30	30	22	21	21
3	02	Products of forestry, logging and related services.....	-	-	-	-	0	0
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	84	29	8	26	20	7
6	05	Coal and lignite.....	77	19	6	25	15	3
7	06	Crude petroleum and natural gas.....	0	0	0	0	-	0
8	07-09	Metal ores, other mining and quarrying products.....	6	10	1	1	5	4
9	C	Manufactured products.....	846	835	873	864	839	659
10	10-12	Food products, beverages, tobacco products.....	218	203	199	170	196	156
11	13-15	Textiles, wearing apparel, leather and related products.....	58	43	41	31	23	18
12	16	Wood and products of wood and cork, except furniture.....	4	5	4	3	3	2
13	17	Paper and paper products.....	77	59	59	56	64	47
14	18	Printing and recording services.....	4	4	4	3	2	2
15	19	Coke and refined petroleum products.....	36	11	13	24	17	14
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	220	307	374	390	391	289
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	5
20	22	Rubber and plastic products.....	17	20	21	19	12	9
21	23	Other non-metallic mineral products.....	37	34	28	27	22	23
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	64	55	45	46	30	25
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	19	18	9	18	14	12
29	26	Computer, electronic and optical products.....	18	18	22	25	17	13
30	27	Electrical equipment.....	18	9	6	5	6	4
31	28	Machinery and equipment n.e.c.....	23	17	18	18	14	11
32	29	Motor vehicles, trailers and semi-trailers.....	25	23	23	23	20	17
33	30	Other transport equipment.....	6	5	5	5	4	2
34	31-32	Furniture, other manufactured goods.....	4	3	2	2	1	3
35	33	Repair and installation services of machinery and equipment.....	-	-	-	-	1	6
36	D (35)	Electricity, gas, steam and air conditioning.....	50	81	92	84	164	16
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	148	156	157	166	174	165
40	36	Natural water; water treatment and supply services.....	124	132	133	145	150	145
41	37-39	Sewerage services; waste collection and materials recovery services.....	24	24	23	21	24	20
42	37	Sewerage services, sewerage sludge.....	24	24	23	21	24	18
43	38-39	Waste collection, treatment and disposal services.....	-	-	-	-	-	2
44	F	Constructions and construction works.....	55	49	47	38	37	38
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	58	50	51	51	51	47
48	45	Wholesale and retail trade and repair services of motor vehicles.....	27	20	21	21	23	19
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	11	10	10	9	9	9
50	47	Retail trade services; except of motor vehicles and motorcycles.....	20	20	20	20	19	18
51	H	Transportation and storage services.....	42	37	29	33	33	35
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline.....	.	.	.	.	.	23
54	50	Water transport services.....	2	1	1	1	1	1
55	51	Air transport services.....	4	5	1	5	5	6
56	52	Warehousing and support services for transportation.....	3	3	3	3	4	3
57	53	Postal and courier services.....	4	3	3	3	3	2
58	I	Accommodation and food services.....	63	64	67	66	84	107
59	J	Information and communication services.....	6	5	6	7	5	31
60	K	Financial and insurance services.....	9	8	8	8	10	8
61	L	Real estate services.....	2	2	2	3	3	2
62	M	Professional, scientific and technical services.....	16	17	18	14	15	18
63	N	Administrative and support services.....	12	13	15	14	14	15
64	O	Public administration and defence services.....	36	34	28	27	20	21
65	P	Education services.....	81	80	78	79	79	80
66	Q	Human health and social work services.....	100	96	96	96	62	63
67	R-T	Other services.....	100	96	93	92	92	92
68		<b>All homogeneous branches.....</b>	<b>1,737</b>	<b>1,682</b>	<b>1,697</b>	<b>1,689</b>	<b>1,722</b>	<b>1,426</b>
69		<b>Private households.....</b>	<b>2,930</b>	<b>3,047</b>	<b>3,095</b>	<b>3,081</b>	<b>2,979</b>	<b>2,884</b>
70		<b>All homogeneous branches and private households.....</b>	<b>4,667</b>	<b>4,729</b>	<b>4,792</b>	<b>4,770</b>	<b>4,701</b>	<b>4,310</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.8: Waste water directly discharged with treatment**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	-	-	-	-	-	-
2	01	Products of agriculture, hunting and related services.....	-	-	-	-	-	-
3	02	Products of forestry, logging and related services.....	-	-	-	-	-	-
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	99	53	43	55	38	24
6	05	Coal and lignite.....	67	38	28	31	9	4
7	06	Crude petroleum and natural gas.....	0	0	0	-	0	-
8	07-09	Metal ores, other mining and quarrying products.....	32	15	15	23	29	20
9	C	Manufactured products.....	1,147	892	852	818	740	699
10	10-12	Food products, beverages, tobacco products.....	57	52	58	58	65	62
11	13-15	Textiles, wearing apparel, leather and related products.....	5	5	4	3	3	3
12	16	Wood and products of wood and cork, except furniture.....	0	0	0	0	2	0
13	17	Paper and paper products.....	227	225	223	243	234	224
14	18	Printing and recording services.....	-	-	-	-	0	-
15	19	Coke and refined petroleum products.....	81	33	37	28	31	32
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	514	488	431	393	310	282
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	8
20	22	Rubber and plastic products.....	7	5	3	1	0	1
21	23	Other non-metallic mineral products.....	11	6	8	5	5	6
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	231	64	75	74	74	68
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	2	2	1	2	4	3
29	26	Computer, electronic and optical products.....	1	0	1	1	1	1
30	27	Electrical equipment.....	1	1	1	0	1	1
31	28	Machinery and equipment n.e.c.....	1	1	1	1	1	1
32	29	Motor vehicles, trailers and semi-trailers.....	9	9	9	8	9	7
33	30	Other transport equipment.....	1	0	0	0	0	0
34	31-32	Furniture, other manufactured goods.....	0	0	0	0	0	0
35	33	Repair and installation services of machinery and equipment.....	-	-	-	-	0	1
36	D (35)	Electricity, gas, steam and air conditioning.....	-	-	-	41	146	141
37	35.1/.3	Electricity, transmission and distribution services, steam.....	-	-	-	.	.	.
38	35.2	Manufactured gas.....	-	-	-	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	-	-	-	-	-	-
40	36	Natural water; water treatment and supply services.....	-	-	-	-	-	-
41	37-39	Sewerage services; waste collection and materials recovery services.....	-	-	-	-	-	-
42	37	Sewerage services, sewerage sludge.....	-	-	-	-	-	-
43	38-39	Waste collection, treatment and disposal services.....	-	-	-	-	-	-
44	F	Constructions and construction works.....	-	-	-	-	-	-
45	41-42	Building and building construction works.....	-	-	-	-	-	-
46	43	Specialised construction works.....	-	-	-	-	-	-
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	-	-	-	-	-	-
48	45	Wholesale and retail trade and repair services of motor vehicles.....	-	-	-	-	-	-
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
50	47	Retail trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
51	H	Transportation and storage services.....	-	-	-	-	-	-
52	49.1-2	Passenger rail transport services, freight rail transport services.....	-	-	-	-	-	-
53	49.3-5	Other passenger land transport services, transport services via pipeline.....	-	-	-	-	-	-
54	50	Water transport services.....	-	-	-	-	-	-
55	51	Air transport services.....	-	-	-	-	-	-
56	52	Warehousing and support services for transportation.....	-	-	-	-	-	-
57	53	Postal and courier services.....	-	-	-	-	-	-
58	I	Accommodation and food services.....	-	-	-	-	-	-
59	J	Information and communication services.....	-	-	-	-	-	-
60	K	Financial and insurance services.....	-	-	-	-	-	-
61	L	Real estate services.....	-	-	-	-	-	-
62	M	Professional, scientific and technical services.....	-	-	-	-	-	-
63	N	Administrative and support services.....	-	-	-	-	-	-
64	O	Public administration and defence services.....	-	-	-	-	-	-
65	P	Education services.....	-	-	-	-	-	-
66	Q	Human health and social work services.....	-	-	-	-	-	-
67	R-T	Other services.....	-	-	-	-	-	-
68		<b>All homogeneous branches.....</b>	<b>1,246</b>	<b>945</b>	<b>895</b>	<b>913</b>	<b>924</b>	<b>864</b>
69		<b>Private households.....</b>	<b>246</b>	<b>204</b>	<b>180</b>	<b>186</b>	<b>203</b>	<b>202</b>
70		<b>All homogeneous branches and private households.....</b>	<b>1,493</b>	<b>1,149</b>	<b>1,075</b>	<b>1,099</b>	<b>1,127</b>	<b>1,066</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.



**Table 7.9: Waste water directly discharged without treatment**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	-	-	-	-	-	-
2	01	Products of agriculture, hunting and related services.....	-	-	-	-	-	-
3	02	Products of forestry, logging and related services.....	-	-	-	-	-	-
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	1,965	1,788	1,424	1,615	1,620	1,503
6	05	Coal and lignite.....	1,412	1,299	988	1,263	1,267	1,198
7	06	Crude petroleum and natural gas.....	5	3	2	2	1	2
8	07-09	Metal ores, other mining and quarrying products.....	549	486	434	350	351	302
9	C	Manufactured products.....	3,410	3,637	3,377	3,700	3,460	3,266
10	10-12	Food products, beverages, tobacco products.....	169	165	161	163	148	153
11	13-15	Textiles, wearing apparel, leather and related products.....	10	9	2	2	2	1
12	16	Wood and products of wood and cork, except furniture.....	8	12	6	4	2	2
13	17	Paper and paper products.....	112	30	57	63	94	111
14	18	Printing and recording services.....	4	5	5	6	6	3
15	19	Coke and refined petroleum products.....	93	154	62	105	97	101
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	2,401	2,446	2,484	2,744	2,464	2,179
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	25
20	22	Rubber and plastic products.....	60	70	62	56	42	41
21	23	Other non-metallic mineral products.....	102	108	95	109	100	107
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	310	486	302	288	339	336
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	18	20	18	20	18	15
29	26	Computer, electronic and optical products.....	39	36	51	48	49	29
30	27	Electrical equipment.....	11	19	11	8	12	8
31	28	Machinery and equipment n.e.c.....	23	25	25	48	39	29
32	29	Motor vehicles, trailers and semi-trailers.....	38	43	25	24	28	76
33	30	Other transport equipment.....	10	7	9	8	17	14
34	31-32	Furniture, other manufactured goods.....	2	3	2	2	2	2
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0	0	33
36	D (35)	Electricity, gas, steam and air conditioning.....	29,221	27,381	25,628	22,808	19,565	20,597
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	-	-	-	-	-	-
40	36	Natural water; water treatment and supply services.....	-	-	-	-	-	-
41	37-39	Sewerage services; waste collection and materials recovery services.....	-	-	-	-	-	-
42	37	Sewerage services, sewerage sludge.....	-	-	-	-	-	-
43	38-39	Waste collection, treatment and disposal services.....	-	-	-	-	-	-
44	F	Constructions and construction works.....	-	-	-	-	-	-
45	41-42	Building and building construction works.....	-	-	-	-	-	-
46	43	Specialised construction works.....	-	-	-	-	-	-
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	-	-	-	-	-	-
48	45	Wholesale and retail trade and repair services of motor vehicles.....	-	-	-	-	-	-
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
50	47	Retail trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
51	H	Transportation and storage services.....	-	-	-	-	-	-
52	49.1-2	Passenger rail transport services, freight rail transport services.....	-	-	-	-	-	-
53	49.3-5	Other passenger land transport services, transport services via pipeline...	-	-	-	-	-	-
54	50	Water transport services.....	-	-	-	-	-	-
55	51	Air transport services.....	-	-	-	-	-	-
56	52	Warehousing and support services for transportation.....	-	-	-	-	-	-
57	53	Postal and courier services.....	-	-	-	-	-	-
58	I	Accommodation and food services.....	-	-	-	-	-	-
59	J	Information and communication services.....	-	-	-	-	-	-
60	K	Financial and insurance services.....	-	-	-	-	-	-
61	L	Real estate services.....	-	-	-	-	-	-
62	M	Professional, scientific and technical services.....	-	-	-	-	-	-
63	N	Administrative and support services.....	-	-	-	-	-	-
64	O	Public administration and defence services.....	-	-	-	-	-	-
65	P	Education services.....	-	-	-	-	-	-
66	Q	Human health and social work services.....	-	-	-	-	-	-
67	R-T	Other services.....	-	-	-	-	-	-
68		<b>All homogeneous branches.....</b>	<b>34,596</b>	<b>32,806</b>	<b>30,429</b>	<b>28,124</b>	<b>24,645</b>	<b>25,366</b>
69		Private households.....	-	-	-	-	-	-
70		<b>All homogeneous branches and private households.....</b>	<b>34,596</b>	<b>32,806</b>	<b>30,429</b>	<b>28,124</b>	<b>24,645</b>	<b>25,366</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.10: Evaporation and other losses**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	595	157	163	147	124	189
2	01	Products of agriculture, hunting and related services.....	595	157	163	147	123	188
3	02	Products of forestry, logging and related services.....	-	-	-	-	1	0
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	0	0
5	B	Mining and quarrying.....	44	80	35	39	49	55
6	05	Coal and lignite.....	12	37	3	12	15	25
7	06	Crude petroleum and natural gas.....	29	1	1	1	0	1
8	07-09	Metal ores, other mining and quarrying products.....	3	43	31	26	34	29
9	C	Manufactured products.....	410	350	463	405	356	382
10	10-12	Food products, beverages, tobacco products.....	63	78	74	49	81	45
11	13-15	Textiles, wearing apparel, leather and related products.....	6	3	9	6	10	16
12	16	Wood and products of wood and cork, except furniture.....	5	7	9	9	8	8
13	17	Paper and paper products.....	25	41	35	32	40	48
14	18	Printing and recording services.....	2	2	4	3	3	3
15	19	Coke and refined petroleum products.....	66	34	89	36	46	57
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	80	12	75	78	7	7
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	27
20	22	Rubber and plastic products.....	13	14	15	14	18	14
21	23	Other non-metallic mineral products.....	59	43	42	33	35	45
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	55	78	66	88	80	81
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	9	10	20	12	8	8
29	26	Computer, electronic and optical products.....	4	4	3	3	4	4
30	27	Electrical equipment.....	4	4	3	2	6	1
31	28	Machinery and equipment n.e.c.....	6	5	6	28	1	6
32	29	Motor vehicles, trailers and semi-trailers.....	9	13	12	8	5	4
33	30	Other transport equipment.....	1	1	0	1	1	1
34	31-32	Furniture, other manufactured goods.....	2	2	1	2	1	2
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0	0	7
36	D (35)	Electricity, gas, steam and air conditioning.....	746	777	833	918	1,131	997
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	1	1	1	1	1	4
40	36	Natural water; water treatment and supply services.....	-	-	-	-	-	-
41	37-39	Sewerage services; waste collection and materials recovery services.....	1	1	1	1	1	4
42	37	Sewerage services, sewerage sludge.....	1	1	1	1	1	2
43	38-39	Waste collection, treatment and disposal services.....	-	-	-	-	-	1
44	F	Constructions and construction works.....	1	1	1	1	1	1
45	41-42	Building and building construction works.....	.	.	.	.	.	.
46	43	Specialised construction works.....	.	.	.	.	.	.
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	5	4	4	4	4	4
48	45	Wholesale and retail trade and repair services of motor vehicles.....	3	2	2	2	3	2
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	0	0	0	0	0	0
50	47	Retail trade services; except of motor vehicles and motorcycles.....	1	1	1	1	1	1
51	H	Transportation and storage services.....	5	5	7	3	4	4
52	49.1-2	Passenger rail transport services, freight rail transport services.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport services, transport services via pipeline.....	.	.	.	.	.	2
54	50	Water transport services.....	2	1	1	1	1	1
55	51	Air transport services.....	0	0	3	0	1	0
56	52	Warehousing and support services for transportation.....	0	0	0	0	0	0
57	53	Postal and courier services.....	0	0	0	0	0	0
58	I	Accommodation and food services.....	5	5	5	5	7	9
59	J	Information and communication services.....	1	1	1	1	1	4
60	K	Financial and insurance services.....	1	1	1	1	1	1
61	L	Real estate services.....	0	0	0	0	0	0
62	M	Professional, scientific and technical services.....	1	1	2	1	1	1
63	N	Administrative and support services.....	1	1	1	1	1	1
64	O	Public administration and defence services.....	23	23	13	13	12	12
65	P	Education services.....	7	6	6	6	6	6
66	Q	Human health and social work services.....	8	8	8	7	5	5
67	R-T	Other services.....	44	42	39	40	36	46
68		<b>All homogeneous branches.....</b>	<b>1,898</b>	<b>1,463</b>	<b>1,583</b>	<b>1,596</b>	<b>1,739</b>	<b>1,720</b>
69		<b>Private households.....</b>	<b>285</b>	<b>153</b>	<b>99</b>	<b>98</b>	<b>94</b>	<b>91</b>
70		<b>All homogeneous branches and private households.....</b>	<b>2,183</b>	<b>1,616</b>	<b>1,682</b>	<b>1,694</b>	<b>1,834</b>	<b>1,811</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.11: Cooling waste water**mn m<sup>3</sup>

No.	CPA <sup>1)</sup>	Homogeneous branches	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Products of agriculture, forestry and fishing.....	-	-	-	-	-	-
2	01	Products of agriculture, hunting and related services.....	-	-	-	-	-	-
3	02	Products of forestry, logging and related services.....	-	-	-	-	-	-
4	03	Fish and other fishing products; aquaculture products.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	87	64	89	360	352	258
6	05	Coal and lignite.....	39	56	70	354	346	255
7	06	Crude petroleum and natural gas.....	1	0	0	0	0	0
8	07-09	Metal ores, other mining and quarrying products.....	48	8	19	5	6	3
9	C	Manufactured products.....	2,974	3,265	2,851	2,861	2,990	2,876
10	10-12	Food products, beverages, tobacco products.....	139	148	150	150	139	145
11	13-15	Textiles, wearing apparel, leather and related products.....	9	7	2	2	1	1
12	16	Wood and products of wood and cork, except furniture.....	6	10	4	3	2	2
13	17	Paper and paper products.....	106	28	56	60	89	104
14	18	Printing and recording services.....	4	5	5	6	6	3
15	19	Coke and refined petroleum products.....	81	146	54	100	93	94
16	19.1	Coke oven products.....	.	.	.	.	.	.
17	19.2	Refined petroleum products.....	.	.	.	.	.	.
18	20	Chemicals and chemical products 3).....	2,161	2,253	2,132	2,118	2,195	2,043
19	21	Basic pharmaceutical products and pharmaceutical preparations.....	.	.	.	.	.	25
20	22	Rubber and plastic products.....	59	69	61	55	38	38
21	23	Other non-metallic mineral products.....	23	17	15	19	16	17
22	23.1	Glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Refractory products, cut, shaped and finished stone.....	.	.	.	.	.	.
24	24	Basic metals.....	261	451	251	235	293	293
25	24.1-3	Basic iron and steel and ferro-alloys, other products of steel.....	.	.	.	.	.	.
26	24.4	Basic precious and other non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting services of metals.....	.	.	.	.	.	.
28	25	Fabricated metal products, except machinery and equipment.....	17	17	17	16	14	13
29	26	Computer, electronic and optical products.....	39	35	49	46	48	28
30	27	Electrical equipment.....	10	17	10	8	11	8
31	28	Machinery and equipment n.e.c.....	16	16	17	15	15	22
32	29	Motor vehicles, trailers and semi-trailers.....	35	37	21	19	23	19
33	30	Other transport equipment.....	6	5	6	6	5	7
34	31-32	Furniture, other manufactured goods.....	2	3	2	2	2	1
35	33	Repair and installation services of machinery and equipment.....	-	-	-	0	0	13
36	D (35)	Electricity, gas, steam and air conditioning.....	29,221	27,381	25,628	22,744	19,149	20,127
37	35.1/.3	Electricity, transmission and distribution services, steam.....	.	.	.	.	.	.
38	35.2	Manufactured gas.....	.	.	.	.	.	.
39	E	Water supply; sewerage, waste management and remediation services.....	-	-	-	-	-	-
40	36	Natural water; water treatment and supply services.....	-	-	-	-	-	-
41	37-39	Sewerage services; waste collection and materials recovery services.....	-	-	-	-	-	-
42	37	Sewerage services, sewerage sludge.....	-	-	-	-	-	-
43	38-39	Waste collection, treatment and disposal services.....	-	-	-	-	-	-
44	F	Constructions and construction works.....	-	-	-	-	-	-
45	41-42	Building and building construction works.....	-	-	-	-	-	-
46	43	Specialised construction works.....	-	-	-	-	-	-
47	G	Wholesale and retail trade services; repair services of motor vehicles.....	-	-	-	-	-	-
48	45	Wholesale and retail trade and repair services of motor vehicles.....	-	-	-	-	-	-
49	46	Wholesale trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
50	47	Retail trade services; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
51	H	Transportation and storage services.....	-	-	-	-	-	-
52	49.1-2	Passenger rail transport services, freight rail transport services.....	-	-	-	-	-	-
53	49.3-5	Other passenger land transport services, transport services via pipeline.....	-	-	-	-	-	-
54	50	Water transport services.....	-	-	-	-	-	-
55	51	Air transport services.....	-	-	-	-	-	-
56	52	Warehousing and support services for transportation.....	-	-	-	-	-	-
57	53	Postal and courier services.....	-	-	-	-	-	-
58	I	Accommodation and food services.....	-	-	-	-	-	-
59	J	Information and communication services.....	-	-	-	-	-	-
60	K	Financial and insurance services.....	-	-	-	-	-	-
61	L	Real estate services.....	-	-	-	-	-	-
62	M	Professional, scientific and technical services.....	-	-	-	-	-	-
63	N	Administrative and support services.....	-	-	-	-	-	-
64	O	Public administration and defence services.....	-	-	-	-	-	-
65	P	Education services.....	-	-	-	-	-	-
66	Q	Human health and social work services.....	-	-	-	-	-	-
67	R-T	Other services.....	-	-	-	-	-	-
69		<b>All homogeneous branches.....</b>	<b>32,282</b>	<b>30,711</b>	<b>28,568</b>	<b>25,965</b>	<b>22,491</b>	<b>23,261</b>
70		Private households.....	-	-	-	-	-	-
71		<b>All homogeneous branches and private households.....</b>	<b>32,282</b>	<b>30,711</b>	<b>28,568</b>	<b>25,965</b>	<b>22,491</b>	<b>23,261</b>

1) Statistical classification of products by activity (CPA) of the European Union (2008 edition).

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.12: Waste water discharged into nature**mn m<sup>3</sup>

No.	NACE rev.2 Code <sup>1)</sup>	Industries	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Agriculture, forestry and fishing.....	626	187	193	169	145	210
2	01	Crop and animal production, hunting and related services.....	626	187	193	169	143	210
3	02	Forestry and logging.....	-	-	-	-	1	0
4	03	Fishing and aquaculture.....	-	-	-	-	0	0
5	B	Mining and quarrying.....	3,006	2,676	2,247	2,179	2,187	1,944
6	05	Mining of coal and lignite.....	2,323	2,102	1,762	1,775	1,765	1,585
7	06	Extraction of crude petroleum and natural gas.....	34	4	3	4	2	3
8	07-09	Mining of metal ores, other mining and quarrying.....	650	570	482	400	419	356
9	C	Manufacturing.....	6,915	6,499	6,134	6,274	5,766	5,377
10	10-12	Manufacture of food products, beverages and tobacco products.....	512	503	497	443	492	418
11	13-15	Manufacture of textiles, wearing apparel, leather and related products.....	217	189	57	42	38	38
12	16	Manufacture of wood and products of wood and cork, except furniture.....	23	24	21	16	15	12
13	17	Manufacture of paper and paper products.....	735	602	540	541	528	512
14	18	Printing and reproduction of recorded media.....	10	11	12	12	12	8
15	19	Manufacture of coke and refined petroleum products.....	296	238	221	210	202	215
16	19.1	Manufacture of coke oven products.....	.	.	.	.	.	.
17	19.2	Manufacture of refined petroleum products.....	.	.	.	.	.	.
18	20	Manufacture of chemicals and chemical products 3).....	3,442	3,464	3,488	3,676	3,230	2,818
19	21	Manufacture of basic pharmaceutical products.....	.	.	.	.	.	66
20	22	Manufacture of rubber and plastic products.....	98	109	105	92	73	66
21	23	Manufacture of other non-metallic mineral products.....	209	191	173	176	162	181
22	23.1	Manufacture of glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Manufacture of refractory products, cutting, finishing of stone.....	.	.	.	.	.	.
24	24	Manufacture of basic metals.....	992	870	734	742	726	721
25	24.1-3	Iron and steel.....	.	.	.	.	.	.
26	24.4	Manufacture of basic precious and non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting of metals.....	.	.	.	.	.	.
28	25	Manufacture of fabricated metal products, except machinery.....	51	51	50	54	46	38
29	26	Manufacture of computer, electronic and optical products.....	62	59	77	77	72	47
30	27	Manufacture of electrical equipment.....	34	32	21	16	25	15
31	28	Manufacture of machinery and equipment n.e.c.....	59	49	49	94	55	47
32	29	Manufacture of motor vehicles, trailers and semi-trailers.....	149	88	69	63	62	104
33	30	Manufacture of other transport equipment.....	17	13	15	15	22	17
34	31-32	Manufacture of furniture, other manufacturing.....	9	8	5	6	4	7
35	33	Repair and installation of machinery and equipment.....	-	-	-	-	1	47
36	D (35)	Electricity, gas, steam and air conditioning supply.....	28,100	26,728	25,247	22,919	20,176	21,026
37	35.1/.3	Electric power generation, transmission and distribution, steam.....	.	.	.	.	.	20,957
38	35.2	Manufacture of gas; distribution of gaseous fuels through mains.....	.	.	.	.	.	69
39	E	Water supply; sewerage, waste management and remediation activities.....	5,853	5,491	5,907	4,869	5,494	5,601
40	36	Water collection, treatment and supply.....	835	732	663	641	612	620
41	37-39	Sewerage, waste collection, treatment and disposal activities.....	5,018	4,759	5,244	4,228	4,882	4,981
42	37	Sewerage.....	5,018	4,759	5,244	4,228	4,882	4,977
43	38-39	Waste collection, treatment and disposal activities.....	-	-	-	-	-	4
44	F	Construction.....	56	50	48	39	37	39
45	41-42	Construction of buildings, civil engineering.....	.	.	.	.	.	.
46	43	Specialised construction activities.....	.	.	.	.	.	.
47	G	Wholesale and retail trade; repair of motor vehicles and motorcycles.....	63	54	55	54	55	50
48	45	Wholesale and retail trade and repair of motor vehicles.....	31	22	23	24	25	21
49	46	Wholesale trade; except of motor vehicles and motorcycles.....	11	11	10	10	9	10
50	47	Retail trade; except of motor vehicles and motorcycles.....	21	21	21	21	20	19
51	H	Transportation and storage.....	47	42	36	37	37	39
52	49.1-2	Passenger rail transport, interurban, freight rail transport.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport, transport via pipeline.....	.	.	.	.	.	25
54	50	Water transport.....	3	3	2	2	2	2
55	51	Air transport.....	5	5	5	5	6	6
56	52	Warehousing and support activities for transportation.....	3	3	3	4	4	4
57	53	Postal and courier activities.....	4	3	3	3	3	2
58	I	Accommodation and food service activities.....	68	69	72	71	91	116
59	J	Information and communication.....	6	6	7	8	5	34
60	K	Financial and insurance activities.....	10	9	9	9	11	8
61	L	Real estate activities.....	2	2	2	3	3	3
62	M	Professional, scientific and technical activities.....	17	19	20	15	16	19
63	N	Administrative and support service activities.....	13	14	16	14	15	16
64	O	Public administration and defence; compulsory social security.....	59	57	41	41	32	34
65	P	Education.....	87	86	84	85	85	86
66	Q	Human health and social work activities.....	108	103	104	103	67	68
67	R-T	Other service activities.....	144	138	131	132	128	138
68		<b>All industries.....</b>	<b>45,181</b>	<b>42,231</b>	<b>40,354</b>	<b>37,022</b>	<b>34,350</b>	<b>34,807</b>
69		Private households (domestic consumption).....	3,461	3,404	3,374	3,365	3,276	3,177
70		<b>All industries and private households (residents concept).....</b>	<b>48,642</b>	<b>45,635</b>	<b>43,727</b>	<b>40,388</b>	<b>37,625</b>	<b>37,984</b>

1) Classification of economic activities, 2008 edition.

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.13: Waste water**mn m<sup>3</sup>

No.	NACE rev.2 Code <sup>1)</sup>	Industries	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Agriculture, forestry and fishing.....	31	30	30	22	21	21
2	01	Crop and animal production, hunting and related services.....	31	30	30	22	21	21
3	02	Forestry and logging.....	-	-	-	-	0	0
4	03	Fishing and aquaculture.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	2,922	2,559	2,176	2,118	2,115	1,871
6	05	Mining of coal and lignite.....	2,273	2,029	1,723	1,741	1,728	1,542
7	06	Extraction of crude petroleum and natural gas.....	5	3	2	3	2	2
8	07-09	Mining of metal ores, other mining and quarrying.....	644	526	451	374	385	327
9	C	Manufacturing.....	6,450	6,110	5,642	5,845	5,391	4,976
10	10-12	Manufacture of food products, beverages and tobacco products.....	449	425	423	395	411	373
11	13-15	Manufacture of textiles, wearing apparel, leather and related products.....	204	179	48	35	28	22
12	16	Manufacture of wood and products of wood and cork, except furniture.....	18	17	12	7	7	4
13	17	Manufacture of paper and paper products.....	695	548	497	501	483	460
14	18	Printing and reproduction of recorded media.....	8	9	9	9	8	5
15	19	Manufacture of coke and refined petroleum products.....	229	204	131	173	156	158
16	19.1	Manufacture of coke oven products.....	.	.	.	.	.	.
17	19.2	Manufacture of refined petroleum products.....	.	.	.	.	.	.
18	20	Manufacture of chemicals and chemical products 3).....	3,351	3,441	3,406	3,595	3,220	2,808
19	21	Manufacture of basic pharmaceutical products.....	.	.	.	.	.	40
20	22	Manufacture of rubber and plastic products.....	84	96	89	78	55	52
21	23	Manufacture of other non-metallic mineral products.....	150	148	131	142	127	136
22	23.1	Manufacture of glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Manufacture of refractory products, cutting, finishing of stone.....	.	.	.	.	.	.
24	24	Manufacture of basic metals.....	920	783	656	642	636	629
25	24.1-3	Iron and steel.....	.	.	.	.	.	.
26	24.4	Manufacture of basic precious and non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting of metals.....	.	.	.	.	.	.
28	25	Manufacture of fabricated metal products, except machinery.....	42	40	30	42	38	30
29	26	Manufacture of computer, electronic and optical products.....	57	55	74	74	67	43
30	27	Manufacture of electrical equipment.....	30	28	18	13	18	13
31	28	Manufacture of machinery and equipment n.e.c.....	53	43	43	66	54	41
32	29	Manufacture of motor vehicles, trailers and semi-trailers.....	136	75	57	55	57	100
33	30	Manufacture of other transport equipment.....	16	12	15	14	21	16
34	31-32	Manufacture of furniture, other manufacturing.....	7	6	4	4	3	5
35	33	Repair and installation of machinery and equipment.....	-	-	-	-	1	40
36	D (35)	Electricity, gas, steam and air conditioning supply.....	27,450	26,027	24,479	22,048	19,087	20,065
37	35.1/3	Electric power generation, transmission and distribution, steam.....	.	.	.	.	.	20,021
38	35.2	Manufacture of gas; distribution of gaseous fuels through mains.....	.	.	.	.	.	45
39	E	Water supply; sewerage, waste management and remediation activities.....	148	156	157	166	174	165
40	36	Water collection, treatment and supply.....	124	132	133	145	150	145
41	37-39	Sewerage, waste collection, treatment and disposal activities.....	24	24	23	21	24	20
42	37	Sewerage.....	24	24	23	21	24	18
43	38-39	Waste collection, treatment and disposal activities.....	-	-	-	-	-	2
44	F	Construction.....	55	49	47	38	37	38
45	41-42	Construction of buildings, civil engineering.....	.	.	.	.	.	.
46	43	Specialised construction activities.....	.	.	.	.	.	.
47	G	Wholesale and retail trade; repair of motor vehicles and motorcycles.....	58	50	51	51	51	47
48	45	Wholesale and retail trade and repair of motor vehicles.....	27	20	21	21	23	19
49	46	Wholesale trade; except of motor vehicles and motorcycles.....	11	10	10	9	9	9
50	47	Retail trade; except of motor vehicles and motorcycles.....	20	20	20	20	19	18
51	H	Transportation and storage.....	42	37	29	33	33	35
52	49.1-2	Passenger rail transport, interurban, freight rail transport.....	.	.	.	.	.	-
53	49.3-5	Other passenger land transport, transport via pipeline.....	.	.	.	.	.	23
54	50	Water transport.....	2	1	1	1	1	1
55	51	Air transport.....	4	5	1	5	5	6
56	52	Warehousing and support activities for transportation.....	3	3	3	3	4	3
57	53	Postal and courier activities.....	4	3	3	3	3	2
58	I	Accommodation and food service activities.....	63	64	67	66	84	107
59	J	Information and communication.....	6	5	6	7	5	31
60	K	Financial and insurance activities.....	9	8	8	8	10	8
61	L	Real estate activities.....	2	2	2	3	3	2
62	M	Professional, scientific and technical activities.....	16	17	18	14	15	18
63	N	Administrative and support service activities.....	12	13	15	14	14	15
64	O	Public administration and defence; compulsory social security.....	36	34	28	27	20	21
65	P	Education.....	81	80	78	79	79	80
66	Q	Human health and social work activities.....	100	96	96	96	62	63
67	R-T	Other service activities.....	100	96	93	92	92	92
68	93	.....	52	51	50	50	50	43
		<b>All industries.....</b>						
69		Private households (domestic consumption).....	37,579	35,433	33,022	30,725	27,292	27,655
70		<b>All industries and private households (residents concept).....</b>	<b>3,176</b>	<b>3,251</b>	<b>3,275</b>	<b>3,267</b>	<b>3,182</b>	<b>3,086</b>
71		<b>Alle Wirtschaftsbereiche und Private Haushalte (VGR-Konzept).....</b>	<b>40,756</b>	<b>38,684</b>	<b>36,296</b>	<b>33,992</b>	<b>30,473</b>	<b>30,741</b>

1) Classification of economic activities, 2008 edition.

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 7.14: Cooling waste water**mn m<sup>3</sup>

No.	NACE rev.2 Code <sup>1)</sup>	Industries	1995	1998	2001	2004	2007	2010 <sup>2)</sup>
1	A	Agriculture, forestry and fishing.....	-	-	-	-	-	-
2	01	Crop and animal production, hunting and related services.....	-	-	-	-	-	-
3	02	Forestry and logging.....	-	-	-	-	-	-
4	03	Fishing and aquaculture.....	-	-	-	-	-	-
5	B	Mining and quarrying.....	862	753	790	781	789	594
6	05	Mining of coal and lignite.....	756	729	771	776	782	591
7	06	Extraction of crude petroleum and natural gas.....	1	0	0	0	1	0
8	07-09	Mining of metal ores, other mining and quarrying.....	105	24	19	5	6	4
9	C	Manufacturing.....	4,020	4,012	3,391	3,325	3,342	3,228
10	10-12	Manufacture of food products, beverages and tobacco products.....	144	153	154	153	140	146
11	13-15	Manufacture of textiles, wearing apparel, leather and related products.....	141	130	2	2	2	1
12	16	Manufacture of wood and products of wood and cork, except furniture.....	11	10	6	3	2	2
13	17	Manufacture of paper and paper products.....	385	262	213	199	179	182
14	18	Printing and reproduction of recorded media.....	4	5	5	6	6	3
15	19	Manufacture of coke and refined petroleum products.....	100	152	73	116	103	105
16	19.1	Manufacture of coke oven products.....	.	.	.	.	.	.
17	19.2	Manufacture of refined petroleum products.....	.	.	.	.	.	.
18	20	Manufacture of chemicals and chemical products 3).....	2,377	2,454	2,249	2,186	2,250	2,101
19	21	Manufacture of basic pharmaceutical products.....	.	.	.	.	.	26
20	22	Manufacture of rubber and plastic products.....	60	69	64	57	39	39
21	23	Manufacture of other non-metallic mineral products.....	24	17	16	20	16	17
22	23.1	Manufacture of glass and glass products.....	.	.	.	.	.	.
23	23.2-9	Manufacture of refractory products, cutting, finishing of stone.....	.	.	.	.	.	.
24	24	Manufacture of basic metals.....	577	628	485	469	486	494
25	24.1-3	Iron and steel.....	.	.	.	.	.	.
26	24.4	Manufacture of basic precious and non-ferrous metals.....	.	.	.	.	.	.
27	24.5	Casting of metals.....	.	.	.	.	.	.
28	25	Manufacture of fabricated metal products, except machinery.....	19	18	18	18	15	14
29	26	Manufacture of computer, electronic and optical products.....	39	35	49	46	48	28
30	27	Manufacture of electrical equipment.....	10	17	10	8	11	8
31	28	Manufacture of machinery and equipment n.e.c.....	21	17	17	15	15	22
32	29	Manufacture of motor vehicles, trailers and semi-trailers.....	99	37	21	19	23	19
33	30	Manufacture of other transport equipment.....	6	5	6	6	5	7
34	31-32	Manufacture of furniture, other manufacturing.....	3	3	2	2	2	1
35	33	Repair and installation of machinery and equipment.....	-	-	-	-	0	14
36	D (35)	Electricity, gas, steam and air conditioning supply.....	27,400	25,946	24,387	21,859	18,360	19,439
37	35.1/3	Electric power generation, transmission and distribution, steam.....	.	.	.	.	.	19,438
38	35.2	Manufacture of gas; distribution of gaseous fuels through mains.....	.	.	.	.	.	1
39	E	Water supply; sewerage, waste management and remediation activities.....	-	-	-	-	-	-
40	36	Water collection, treatment and supply.....	-	-	-	-	-	-
41	37-39	Sewerage, waste collection, treatment and disposal activities.....	-	-	-	-	-	-
42	37	Sewerage.....	-	-	-	-	-	-
43	38-39	Waste collection, treatment and disposal activities.....	-	-	-	-	-	-
44	F	Construction.....	-	-	-	-	-	-
45	41-42	Construction of buildings, civil engineering.....	-	-	-	-	-	-
46	43	Specialised construction activities.....	-	-	-	-	-	-
47	G	Wholesale and retail trade; repair of motor vehicles and motorcycles.....	-	-	-	-	-	-
48	45	Wholesale and retail trade and repair of motor vehicles .....	-	-	-	-	-	-
49	46	Wholesale trade; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
50	47	Retail trade; except of motor vehicles and motorcycles.....	-	-	-	-	-	-
51	H	Transportation and storage.....	-	-	-	-	-	-
52	49.1-2	Passenger rail transport, interurban, freight rail transport.....	-	-	-	-	-	-
53	49.3-5	Other passenger land transport, transport via pipeline.....	-	-	-	-	-	-
54	50	Water transport.....	-	-	-	-	-	-
55	51	Air transport.....	-	-	-	-	-	-
56	52	Warehousing and support activities for transportation.....	-	-	-	-	-	-
57	53	Postal and courier activities.....	-	-	-	-	-	-
58	I	Accommodation and food service activities.....	-	-	-	-	-	-
59	J	Information and communication.....	-	-	-	-	-	-
60	K	Financial and insurance activities.....	-	-	-	-	-	-
61	L	Real estate activities.....	-	-	-	-	-	-
62	M	Professional, scientific and technical activities.....	-	-	-	-	-	-
63	N	Administrative and support service activities.....	-	-	-	-	-	-
64	O	Public administration and defence; compulsory social security.....	-	-	-	-	-	-
65	P	Education.....	-	-	-	-	-	-
66	Q	Human health and social work activities.....	-	-	-	-	-	-
67	R-T	Other service activities.....	-	-	-	-	-	-
68		<b>All industries.....</b>	<b>32,282</b>	<b>30,711</b>	<b>28,568</b>	<b>25,965</b>	<b>22,491</b>	<b>23,261</b>
69		Private households (domestic consumption).....	-	-	-	-	-	-
70		<b>All industries and private households (residents concept).....</b>	<b>32,282</b>	<b>30,711</b>	<b>28,568</b>	<b>25,965</b>	<b>22,491</b>	<b>23,261</b>

1) Classification of economic activities, 2008 edition.

2) Preliminary results.

3) Until 2007 including basic pharmaceutical products and pharmaceutical preparations.

**Table 8.1: Amount of waste<sup>\*)</sup>**

1,000 tonnes

No.	Specification	1996	1999 <sup>1)</sup>	2000	2001	2002 <sup>1)</sup>
1	<b>Municipal waste, total.....</b>	.	<b>49,695</b>	<b>50,132</b>	<b>49,397</b>	<b>52,772</b>
2	hazardous waste.....	.	42	47	26	240
3	non-hazardous waste.....	44,390	49,653	50,085	49,371	52,532
4	<b>Typical household municipal waste 2).....</b>	.	<b>36,240</b>	<b>37,667</b>	<b>36,285</b>	<b>46,660</b>
	of which					
5	hazardous waste.....	.	42	47	26	240
6	non-hazardous waste.....	35,129	36,198	37,620	36,259	46,420
	of which					
7	Domestic and similar waste, collected by public waste collection.....	19,875	17,173	18,030	16,466	17,090
8	Bulky waste.....	3,003	3,021	2,568	2,676	2,933
9	Waste from the bio-bin.....	2,413	3,189	3,531	3,753	3,465
10	Garden and park waste, biodegradable.....	.	.	.	.	4,163
11	Other separately collected fractions of waste.....	9,838	12,815	13,491	13,364	18,769
12	Glass.....	.	3,543	3,443	3,152	3,106
13	Paper, paperboard, cardboard.....	.	6,944	7,263	7,550	8,590
14	Mixed packaging / recyclables.....	.	1,719	1,894	1,870	5,654
15	Discarded electrical and electronic equipment.....	.	401	476	458	105
16	Other (composite materials, metals, textiles, etc.).....	.	208	414	334	1,313
17	<b>Other municipal waste 2).....</b>	.	<b>13,455</b>	<b>12,465</b>	<b>13,112</b>	<b>6,112</b>
	of which					
18	hazardous waste.....	.	0	0	0	0
19	non-hazardous waste.....	9,262	13,455	12,465	13,112	6,112
	of which					
20	Commercial waste similar to domestic waste, collected by non-public waste collection.....	5,317	7,028	5,255	6,638	4,308
21	Street cleaning residues, garden and park waste (soil and stones) 3).....	3,880	5,062	5,060	4,933	943
22	Biodegradable kitchen and canteen waste.....	.	.	.	.	485
23	Market waste.....	65	56	71	71	76
24	Fluorescent tubes and other mercury-containing waste.....	.	.	.	.	0
25	Other separately collected fractions.....	.	1,309	2,079	1,471	299
26	<b>Waste resulting from mining and treatment of mineral resources 4).....</b>	<b>54,308</b>	<b>52,251</b>	<b>48,187</b>	<b>49,187</b>	<b>45,461</b>
27	hazardous waste.....	.	.	.	.	.
28	non-hazardous waste.....	.	.	.	.	.
29	<b>Construction and demolition waste.....</b>	.	<b>258,690</b>	<b>260,687</b>	<b>251,322</b>	<b>240,812</b>
30	hazardous waste.....	.	6,313	6,987	7,662	9,949
31	non-hazardous waste.....	231,480	252,377	253,700	243,660	230,863
	of which					
32	Soil (incl. Excavated soil from contaminated sites), stones and dredging spoil.....	.	.	.	.	148,252
33	hazardous waste.....	.	.	.	.	6,274
34	non-hazardous waste.....	126,233	161,306	161,349	149,602	141,978
35	Concrete, bricks, tiles and ceramics.....	.	.	.	.	.
36	Bituminous mixtures, coal tar and tarred products.....	.	.	.	.	.
37	Other construction and demolition wastes.....	.	.	.	.	.
38	<b>Other wastes (in particular of manufacturing and other economic activities).....</b>	.	<b>44,426</b>	<b>47,657</b>	<b>45,314</b>	<b>42,218</b>
39	hazardous waste.....	.	7,152	7,903	8,141	9,448
40	non-hazardous waste.....	43,012	37,274	39,754	37,173	32,770
41	<b>Net amount, together.....</b>	<b>385,318</b>	<b>405,062</b>	<b>406,663</b>	<b>395,222</b>	<b>381,262</b>
42	hazardous waste.....	12,128	13,507	14,937	15,830	19,636
43	non-hazardous waste.....	373,190	391,555	391,726	379,392	361,626
44	<b>Waste of waste treatment plants 5) (secondary waste).....</b>	.	.	.	.	.
45	hazardous waste.....	.	.	.	.	.
46	non-hazardous waste.....	.	.	.	.	.
47	<b>Gross amount, total.....</b>	.	.	.	.	.
48	hazardous waste.....	.	.	.	.	.
49	non-hazardous waste.....	.	.	.	.	.

\*) Until 2005 calculation based on net principle. Since 2006 calculation according to the gross principle; please see explanation concerning the waste balance.

1) Changeover to more recent catalogue of waste types (LAGA until 1998, EWC from 1999, European List of Wastes from 2002).

2) Until 2003 the following allocations of fractions only for non-hazardous waste.

3) Until 2001 including biodegradable garden and park waste. From 2002, non-biodegradable garden and park waste have been allocated to order municipal waste while biodegradable garden and park waste have been classified under domestic waste.

4) Since 2009 all wastes of Chapter 01 of the European List of Wastes (ELW).

5) Without waste of waste water treatment plants (ELW 1908) and secondary waste used as raw materials / products that leave the process of waste management. Since 2009 additionally without wastes from the preparation of water intended for human consumption or water for industrial use (ELW 1909), wastes from soil and groundwater remediation (ELW 1913).

**Table 8.1: Amount of waste<sup>\*)</sup>**

1,000 tonnes

2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	No.
49,622	48,434	46,555	46,426	47,887	48,367	48,466	49,237	50,237	49,759	1
274	290	337	393	391	464	546	572	512	571	2
49,348	48,144	46,218	46,033	47,496	47,903	47,921	48,665	49,725	49,188	3
43,931	43,149	41,412	40,827	41,750	43,215	43,230	43,556	44,045	44,188	4
263	271	320	356	372	442	516	481	441	495	5
43,668	42,878	41,092	40,472	41,378	42,772	42,715	43,074	43,604	43,694	6
15,824	15,558	13,912	14,260	13,753	14,236	14,558	14,358	14,027	13,989	7
2,608	2,589	2,167	2,247	2,335	2,458	2,441	2,442	2,428	2,398	8
3,447	3,661	3,776	3,757	3,743	3,897	3,882	3,764	4,016	3,944	9
3,845	4,172	3,924	4,044	4,509	4,421	4,607	4,964	5,045	5,305	10
17,944	17,170	17,633	16,520	17,410	18,204	17,742	18,027	18,528	18,553	11
3,289	3,100	3,572	1,929	2,233	2,480	2,442	2,523	2,595	2,392	12
8,419	7,740	7,895	8,080	8,121	8,528	8,088	8,000	8,131	8,098	13
4,929	4,734	4,601	4,532	4,975	4,885	5,000	5,141	5,367	5,462	14
104	263	291	409	396	469	605	586	591	623	15
1,204	1,333	1,274	1,570	1,685	1,842	1,607	1,777	1,843	1,978	16
5,691	5,284	5,143	5,598	6,138	5,152	5,236	5,681	6,193	5,571	17
12	19	17	37	20	21	30	90	71	77	18
5,679	5,265	5,126	5,561	6,118	5,131	5,206	5,590	6,122	5,494	19
4,122	3,443	3,730	3,821	4,313	3,621	3,494	3,797	4,244	3,836	20
879	1,026	728	967	973	796	846	894	979	789	21
354	578	476	603	668	535	694	726	728	688	22
83	96	88	76	72	84	64	63	53	70	23
12	13	13	14	13	14	14	18	14	14	24
240	128	109	118	100	103	124	183	175	173	25
46,689	50,452	52,308	41,954	42,891	39,295	27,541	36,883	34,667	30,318	26
.	.	.	.	.	.	.	63	25	106	27
.	.	.	.	.	.	.	36,820	34,643	30,212	28
223,389	187,478	184,919	197,735	201,842	200,517	195,021	193,318	199,479	199,303	29
9,643	8,919	8,744	9,013	8,731	8,489	7,691	6,758	7,412	7,327	30
213,746	178,559	176,175	188,722	193,111	192,028	187,330	186,560	192,067	191,976	31
135,804	108,118	106,830	110,447	112,700	111,216	107,917	108,360	112,387	112,559	32
5,537	5,920	5,339	4,440	4,100	3,901	3,352	2,643	2,829	2,754	33
130,267	102,198	101,491	106,007	108,600	107,315	104,565	105,716	109,558	109,805	34
.	.	.	.	.	.	.	53,743	54,359	52,250	35
.	.	.	.	.	.	.	16,450	16,848	18,088	36
.	.	.	.	.	.	.	14,765	15,885	16,406	37
46,712	53,005	48,094	54,785	58,491	56,423	51,265	53,255	58,390	54,218	38
9,598	9,192	9,376	9,123	9,653	9,641	8,945	9,047	9,044	8,938	39
37,114	43,813	38,718	45,662	48,838	46,782	42,320	44,209	49,346	45,280	40
366,412	339,368	331,876	340,899	351,111	344,602	322,293	332,693	342,774	333,598	41
19,515	18,401	18,457	18,529	18,775	18,594	17,316	16,440	16,993	16,942	42
346,897	320,967	313,419	322,370	332,336	326,008	304,978	316,254	325,782	316,656	43
.	.	.	32,006	35,835	38,216	37,094	40,318	43,916	46,978	44
.	.	.	4,678	4,981	5,190	4,966	5,388	6,170	6,743	45
.	.	.	27,329	30,853	33,026	32,127	34,929	37,746	40,235	46
.	.	.	372,906	386,946	382,818	359,387	373,011	386,690	380,576	47
.	.	.	23,207	23,756	23,784	22,282	21,828	23,163	23,686	48
.	.	.	349,699	363,189	359,034	337,105	351,183	363,528	356,891	49