

Economy and Use of Environmental Resources

Tables on Environmental-Economic Accounting
Part 6: Transport and the environment, Agriculture and the environment, Forest accounting



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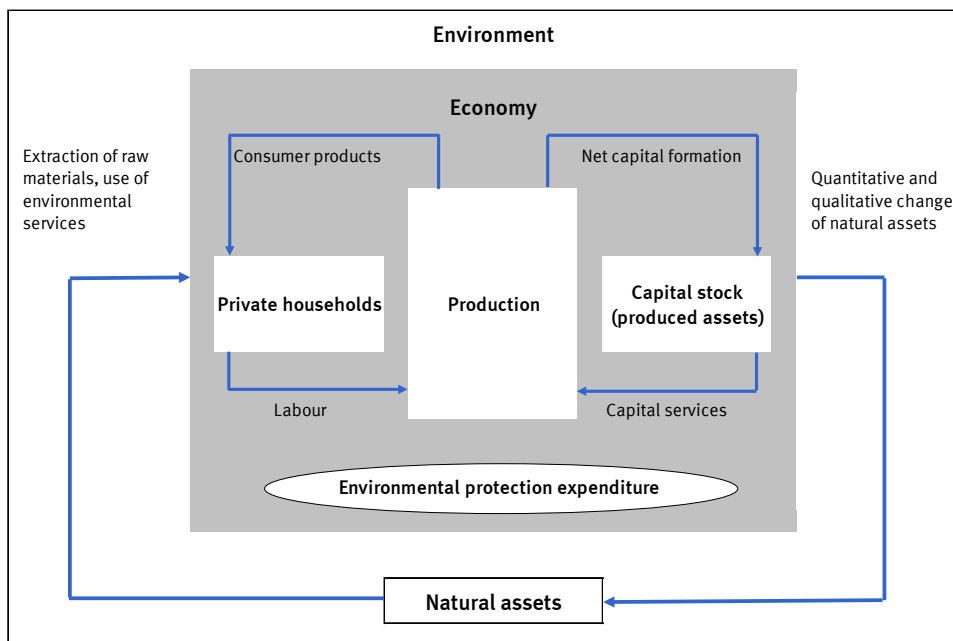
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1 Environmental-Economic Accounting of the Federal Statistical Office

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 economy¹ 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

1 Both are shown the 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.

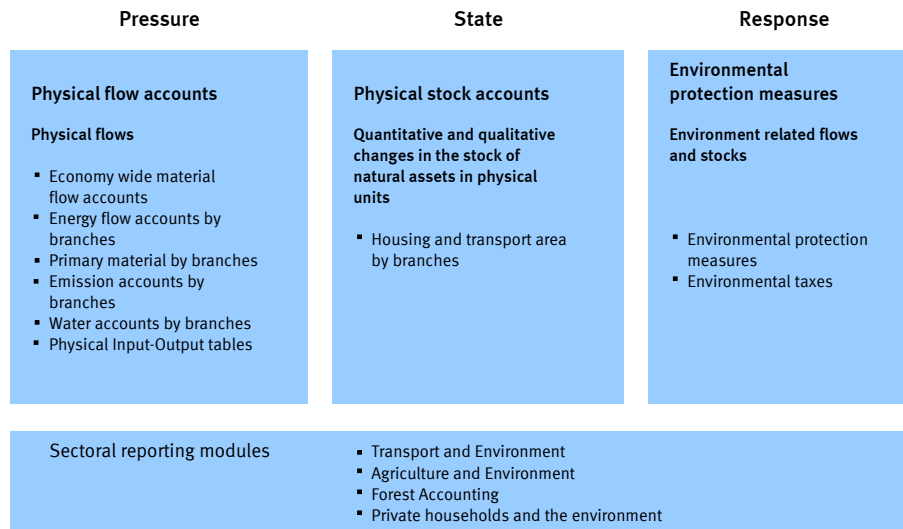
Environmental economic accounts and national accounts describe two dimensions of sustainable development – economy and environment – and their interrelationship. Therefore they provide an important and useful data base for political discussions concerning sustainability.

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.

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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)"². In Germany substantial sections of the environmental economic accounts are drawn up based on these conceptual proposals in the SEEA.

² 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	All homogeneous branches	All homogeneous branches	

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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	All industries	All industries	

3 Abbreviations and symbols

Abbreviations – general

NH ₃	=	ammonia
CH ₄	=	methane
CO ₂	=	carbon dioxide
NO ₂	=	nitrogen dioxide
NO _x	=	nitric oxides (= nitrogen dioxide + nitrogen monoxide)
N ₂ O	=	nitrous oxide (= laughing gas)
NMVOOC	=	volatile organic compounds (not including methane)
SO ₂	=	sulphur dioxide
SF ₆	=	sulphur hexafluoride
PFCs	=	perfluorocarbons
HFCs	=	hydrofluorocarbons
H ₂ 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 ³ J
MJ	=	megajoules	1 MJ	= 10 ⁶ J
GJ	=	gigajoules	1 GJ	= 10 ⁹ J
TJ	=	terajoules	1 TJ	= 10 ¹² 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 ³	=	cubic metre			
%	=	per cent			
m ²	=	square metre			
km ²	=	square kilometre			
ha	=	hectare	1 ha	=	10 000 m ²
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 11: Transport and the environment

Environmentally relevant data on transport (**table 11.1**) are taken from the publication "Transport in Figures 2013/2014" published by the German Institute of Economic Research (DIW) in Berlin, commissioned by the Federal Ministry of Transport, Building and Urban Development (BMVBS). The calculated intensity indicators result from division of performance of transport (goods transport and person transport) by Gross Domestic Product at fixed prices. Intensities of transport are also utilised as Sustainable Development Indicators and published in the report of the German Government related to the German Sustainable Development Strategy.

The tables 11.2 to 11.6 contain data related to road transport.

These are based on details on the average and annual mileage covered by road transport and fuel consumption by road transport as a whole, with breakdown by vehicle types and propulsion categories of diesel and Otto engines, published by the German Institute for Economic Research - DIW Berlin. The DIW also works out the average consumption per 100 kilometres of all diesel and Otto engines. At the same time it uses the stock of vehicles registered by the Kraftfahrt-Bundesamt (Federal Motor Transport Authority) in terms of vehicle owners and cubic capacity groups. It also takes account of the data provided by the *Kraftfahrt-Bundesamt* on road haulage transport operations (**table 11.4.6**). The data from the *Kraftfahrt-Bundesamt* is available in long time series up to 2012. The data from DIW up to 2012. These are published annually in the DIW publication "Weekly Report".

The data referred to was further processed within the Environmental-Economic Accounting, enabling information on mileages and fuel consumption by both privately used and commercially used vehicles to be determined. The data were calculated individually for Otto and diesel motors, in the case of private cars, broken down into six separate cubic capacity classes. Road transport data is shown in time series from 2002 to 2012. The years 1995 to 2001 were not calculated in line with the new classification of homogeneous branches (comparable with the Statistical Classification of Products by Activity [CPA] of the European Union [2008 Edition]). **Table 11.5.1** (Total energy consumption in road transport) is an exception to the rule. For this table, the results from the years 1995 to 2001 were recorded from the 2010 table volume in line with the new classification of sectors. Otherwise, results for the years prior 2001 are shown in the 2010 table volume. Classification into homogeneous branches in this chapter does not employ the usual classification into 68 sectors, but is summarised and broken down into 18 sectors. In addition, there is data on private households. Information on vehicle stocks and their keepers published by the Federal Motor Transport Authority (KBA) for the years 2002 to 2008 is classified to 18 owner categories. From 2009 onwards, the KBA changed this to 23 owner categories. This classification same about direct support of the above-mentioned Statistical Classification of Products (**table 11.2.1** and **11.2.2**).

The residents concept (national accounting concept) has been used in the tables, i. e. the transport mileage is calculated to include the mileage of residents abroad and to exclude the mileage of non-residents within the country (**tables 11.4**). The same applies to the tables for fuel consumption (**tables 11.5**). These include the fuel purchased by residents abroad and exclude domestic purchases by non-residents.

Table 11.5.1 contains a progressive calculation in the rows with the sequential numbers 22 to 27, up to the domestic concept (territorial concept, without biodiesel).

Tables 11.4 and **11.5** contain information on mileages and consumption by vehicles running on petrol and diesel, including biodiesel and bioethanol.

The German Institute for Economic Research (DIW) uses data from the freight transport statistics by the Federal Motor Transport Authority (KBA) as a source for mileages in lorry transport. According to the results of a research project "Evaluation und methodische Weiterentwicklung der Güterverkehrsstatistik" (Evaluation and methodical further development of the freight transport statistics), the mileages are clearly under recorded in the Federal Motor Transport Authority statistics (certain purposes of a trip, such as trips to workshops, etc. are not recorded). However, as these trips also require fuel, a special position "unassigned consumption" is provided by the German Institute for Economic Research for the consumption of diesel fuels in road transport, which contains these (estimated) amounts of consumption. The aim is to archive a calculation of consumption that is consistent with fuel sales.

In the present Environmental-Economic Accounting table volume, this "**unassigned consumption**" is allocated to lorries. The supplement occurs in the production sector "Transportation and storage services".

The data on carbon dioxide emissions (table 11.6) is calculated from the tables on fuel consumption with the help of emissions factors from the Federal Environment Agency for petrol, diesel and biodiesel fuels. Emissions by vehicles running on natural gas or liquefied petroleum gas are also calculated. Additional tables for CO₂ emissions by road transport are presented in part 3, chapter 4 "Air emissions" of the EEA-Table-Report. Here the most important data source is the TREMOD-data base on (Transport Emissions model), which has been established behalf of UBA for Kyoto protocol reporting.

Chapter 12: Agriculture and the environment

The data on direct **energy consumption** of production processes used in agriculture were calculated using the RAUMIS model. The basic data stem from the *Statistisches Jahrbuch* (statistical yearbook) of the Federal Ministry of Food and Agriculture (BMEL), which lists the following categories of energy consumption for the 1990s (up to the financial year 1997/98), in physical and monetary units: Petropetroleum/diesel, heating fuels, electrical power, natural gas. Within the EEA, the data in financial years (FY) are assigned to the calendar year (CY) directly following the financial year (e. g. the FY 1991/92 to the CY 1992), as intermediate inputs largely pertain to the products of the next year. Since the year 2000, the balance includes only the total monetary expenses for fuels and lubricants, heating oil, electric power and natural gas¹. The means that the model will be validated for the physical units of the 1990s and consistency accounting can only be done for monetary values for current years. Monetary data correspond to categories and values used in the Economic Accounts for Agriculture.

Normative data of the Association for Technology and Structures in Agriculture (KTBL) do not suffice for a specific attribution of energy consumption in agriculture to individual production process. An investigation into the operational costs for energy (power, heating fuels, fuels and lubricants) and a stratification of the businesses according to their specialisation enable an improved attribution of expenditure including transport activities. Monetary units were converted into physical dimensions using the price index per unit of the relevant year, which is published as part of the *Fachserie 17* of the Federal Statistical Office - Price indices agriculture and forestry.

Data base on air emission (ammonia, methane etc.) is a Report on Methods and data (RMD) 2012.² The calculation of ammonia emissions arising from animal husbandry are also based on a project on agricultural emissions run by the Federal Ministry of Food and Agriculture and the Federal Environment Agency (Döhler et al. 2002). Methane is predominantly stemming from animal husbandry and is calculated after a simple assessment method from IPCC (Intergovernmental Panel on Climate Change) with refer to animal figures and management procedures. By performing the calculation on emissions from agriculture for the report (RMD) three institutions are involved in cooperation which are the 'Thünen-Institute', the 'Kuratorium für Technik und Bauwesen in der Landwirtschaft' and the Federal Statistical Office.

A monetary input-output table is used to calculate **economic parameters, resource consumption and emissions** caused by the production of **agricultural end products**. Monetary and in part physical interrelationships are also described by referring to products and services (input side) and by the sale of products (output side) as well as within the agricultural sector. The base matrix of the agricultural sector has the same agricultural production process in the first column and in the header so that it forms intra-agricultural links. Linking the production processes with the production supplying sectors and the sectors being supplied enables the all monetary interdependencies to be displayed and an inverse matrix to be drawn up. Based on this inverse matrix the multiplication of two matrices is carried out (inverse matrix of the monetary input-output tables and the matrix in physical units of the relevant production process) to determine the cumulative use of resources and burden.

1 Statistisches Jahrbuch über Ernährung, Landwirtschaft und Forsten (Statistical yearbook on nutrition, agriculture and forestry), Federal Ministry of Food, Agriculture and Consumer Protection (BMELV), ID-No. 313 0900 "Ausgaben der Landwirtschaft für Treib-, Schmier- und Brennstoffe, elektrischen Strom und Erdgas" (spending in agriculture on motor and heating fuels, lubricants, electrical power and natural gas). Since 2000 the calculation method for the entered position has been based on monetary data from the BMELV's testing network of agricultural businesses.

2 Haenel, H.-D. et al. (2012): Berechnung von gas- und partikelförmigen Emissionen aus der deutschen Landwirtschaft 1990 - 2010. Report zu Methoden und Daten (RMD) Berichterstattung 2012. Sonderheft 356, Landbauforschung, Braunschweig.

The basic monetary data comes from national agricultural accounting and is calculated in the relevant prices (not price-adjusted). The former *Zentrale Markt- und Preisberichtsstelle für Erzeugnisse der Land-, Forst- und Ernährungswirtschaft GmbH (ZMP)* supplied production prices for agricultural products while the Association for Technology and Structures in Agriculture (KTBL) mainly provides standard data for individual production process. Most technical data is provided by the Federal Ministry of Food, Agriculture and Consumer Protection in the *Statistisches Jahrbuch über Ernährung, Landwirtschaft und Forsten* (Statistical Yearbook on Nutrition, Agriculture and Forests), published annually. Furthermore the technical literature provides extensive basic information, which serves to estimate ratios burden placed on the environment from upstream activities in other sectors etc.

Chapter 13: Forest accounting

The Forest Accounts in the Environmental-Economic Accounting specifically tackle the forestry and observe it from a variety of perspectives in line with the interest of Environmental-Economic Accounting. The structure of the Forest Accounts is based on the manual on Integrated Environmental and Economic Accounting for Forests - IEEAF (European Commission, 2002), which was drafted on the basis of the portrayal method at European level. The concept serves the goal of supplementing the economic data on forestry in the Forestry and National Accounts, using ecological and where possible also social data. At the same time, this was also to provide a framework for a satellite system of forest accounts.

Both federal forest inventories with the key years 1987 and 2002, and the Forest Fund Data Storage (*Waldfonds*) with the reference year 1993, are used as a physical database for information on the balance of forest area, on the wood supply, on the monetary value of the wood supply and on the carbon content of wood biomass and in the forest ecosystem. Economic data are derived from the testoperating network of the Federal Ministry of Food and Agriculture and from the Forest Accounts, as well as from the National Accounts. Furthermore, documents from official statistics (for instance on foreign trade in raw wood or on production statistics), and various surveys and reports by associations on individual aspects, are used as a reference, as are own estimates and calculations of the ThünenInstitute of International Forestry and Forest Economics. The database for results on forest damage is based on the national and transnational forest damage reports of the UNECE/EU.

Most of the results are available for the period 1993 to 2013. Data given for 2013 are preliminary with the exception of data on forest damages. Data on 2012 are final. Some tables present data starting with the year 2000, 2001 or 2006.

Various reports on the methods of forest accounting in Germany are available on the website of www.destatis.de in German language.

Glossary

Transport and the environment

CO₂ emissionen	The anthropogenic emission of carbon dioxide (CO ₂) is seen as dominant reason for climate change. It results before all from the combustion of fossil fuels.
Intensity of goods transport	Intensity of goods transport = domestic goods transport performance (in tonne-kilometres) / gross domestic product (price-adjusted). The term transport covers any conveyance of items and all supplementary domestic services (including air transport and local transport by German lorries up to 50 km).
Intensity of passenger transport	Intensity of passenger transport = passenger transport performance (in passenger kilometres) / gross domestic product (price-adjusted). The term transport covers any conveyance of persons and all supplementary domestic services (including air transport).
Passenger transport services	Passenger transport services are measured in person-kilometres (Pkm). There the number of persons transported is multiplied with the transport distance in kilometres (km).
Share of rail transport and inland freight water transport	Share of rail transport as well as share of inland freight water transport in the total domestic goods transport performance excluding local haulage by German lorries up to 50 km.
Transport	Transport within the Environmental Economic Accounting comprises motorized traffic of persons and goods via land, rivers, sea and air. The usage of mobile vehicles at work like tractors, diggers and forklifts are not included in transport but rather are part of production activities. On the other hand all trips with passenger cars and motor bikes are assigned to transport.
Transport performance	Transport performance is measured in tonne-kilometres (tkm). Within the compilations the volume of transported products in tonnes (t) are multiplied with the transport distance in kilometres (km).

Agriculture and the environment

AkE	AKE (Arbeitskraft-Einheit in der Stunde) unit is used for better comparison of the working force in agriculture. Working force is calculated as units of work per product by full time employment. Part time employment is converted in fulltime employment. The work force of a fulltime worker between 16 and 64 years old is counted as 1,0 AkE, up to 15 years old on as 0,3 AkE, without considering work in housekeeping or external affairs.
Ammonia	Ammonia is a quantitative important emission from agriculture, causing acidification and eutrophication of soil and water bodies. The agricultural input into the environment is mainly coming from farm animals (manure) and the application of mineral fertilizers.
Methane	Methane is one of the six green house gases defined by the Kyoto-Protocol. Regarding a timespan of 100 years this gas is able to cause the climate change as 21 times more effective as carbon dioxide, so that one 1 kg methane is corresponding to 21 kg CO ₂ . Methane is occurring by the anaerobic degradation of organic material by microorganisms (e.g. on paddy fields, in the stomach of ruminant animals like cattle, sheep or goat) or by the storage of manure. The change from solid manure to liquid manure in the technique of animal husbandry as well as less grazing days on pastures tends to result in more emission from methane. On the other hand emissions are reduced by more efficiency like raising animal products per unit and reducing animal stocks.

Forest accounting

Biomass of timber	Comprises living and dead trees and bushes, from those the overground biomass (wood, bark, branches, twigs) as well as roots. Excluded are foliage and needles. The biomass of wood is used as reference figure for the balance of carbon dioxide.
Change of forest area/Clearing	Area withdrawn from forest use, which change is subject to approval in Germany. Just like forestation area a consistent statistical reporting on altered forest area is missing.
Forestation area	Formerly otherwise used area now planted by forest plants to produce timber. Generally this takes place on agricultural land. Such new forestation has to be authorized in Germany, but is not registered for the whole country.
Gross increment	The gain wood mass by natural growth processes, corresponding to the biological production of the forest enterprises. Gross increment results from the increase of the inventoried trees with a diameter of at least 7 centimetre (including bark) at breast height and including those trees which pass this limit in the timespan of the reporting period.
Natural stock reduction	Loss of forest area by natural events. This kind of reduction rarely occurs in Germany because of a legal duty to afforestation.
Other changes (area balance)	Changes of the area, which do not occur because of human intervention. This position includes succession, natural reduce of stocks and other changes of forest area.
Other changes (timber store)	In this position all other reduction of timber storage are recorded, which are not booked in the category timber removal, especially the not used wooden biomass from landscape care. Over this not used timber because of natural mortality and loss of store because of catastrophes during the reporting period are booked here (e.g. by forest fire, floods or avalanches).
Removal of timber	Volume of all trees being cut and transported out of the forest during the reporting period (living or dead). This comprises trees being cut in the period before, but being taken out of the forest first in the running period as well as trees, which were taken out during the reporting period because they died or were damaged by natural events.
Revaluation	Change of the monetary value of timber stocks, which do not occur because of volume changes but because of the change of prices between the beginning and the end of the reporting period.
Succession	Increase of area because of natural forest growth by areas not used by forestry before. Due to insufficient data the succession area is deducted as a result of differences between given parameters.

Table 11.1: Indicators of the national strategy for sustainability relevant to transport and the environment

No.	Specification	Definition	Unit	1995	2000	2001
Transport relevant figures						
1	Passenger transport intensity		2005 = 100	105	99	99
2	Passenger transport intensity.....	(3b) : (14)	bn pass-km/EUR bn	0.4975	0.4679	0.4697
	Total passenger transport performance of land transport			978.5	1,002.3	1,024.8
3a	(territorial concept) 1).....		bn pass-km			
3b	Total passenger transport performance of transport 1).....		bn pass-km	1,011.0	1,045.1	1,066.7
4	Intensity of goods transport		2005 =100	84	91	90
5	Intensity of goods transport.....	(6) : (14)	bn t-km/EUR bn	0.2122	0.2289	0.2269
	Total goods transport performance of land transport					
6	(territorial concept) 2).....		bn t-km	431.3	511.3	515.3
7	Share of railway transports in providing goods transport 3)	1992 bis 1998 (8) : (11) 1999 bis 2010 (8) : (9)	%	16	17	17
	Total goods transport performance of railway transport					
8	(territorial concept) 3).....		bn t-km	70.5	82.7	81.0
	Total domestic goods transport performance of land transport not					
9	including local transport (territorial concept) 4).....	(11) - (10)	bn t-km	.	481.5	486.8
10	Local transport (territorial concept) 5).....		bn t-km	.	29.8	28.4
	Total goods transport performance of domestic land transport					
11	(territorial concept) 2).....		bn t-km	431.3	511.3	515.3
12	Share of inland water transport in providing good transport 3)	1992 bis 1998 (13) : (11) 1999 bis 2010 (13) : (9)	%	15	14	13
13	Total goods transport performance of inland shipping (territorial concept).....		bn t-km	64.0	66.5	64.8
14	Gross domestic product in 2005 prices.....		EUR bn	2,032	2,233	2,271
15	Gross domestic product, price-adjusted, chain index.....		2005 = 100	88.4	97.2	98.8
16	Gross domestic product in current prices.....		EUR bn	1,898	2,114	2,177

1) Source: Verkehr in Zahlen (transport in figures) 2010/2011; Editor: Federal Ministry of Transport, Building and Urban Development.

2) Land transport includes the following modes of transport: transport by railway, sea/inland waterway, road transport affairs and services and crude oil transport via pipeline; source: Verkehr in Zahlen (transport in figures) 2010/2011.

3) Starting 1999 transport by rail is balanced by double gross method (primary and secondary packing (container itself) are included in transport loading; there by the comparability of the freight transport by road indicator is only restricted possible.

4) Excluding of local traffic (less than 50 km) by german trucks; source: Verkehr in Zahlen (transport in figures) 2010/2011.

5) Local traffic (less than 50 km) by german trucks without cabotage (national transport to foreign carriers estimated 3.7 bn t-km for 2005).

Table 11.1: Indicators of the national strategy for sustainability relevant to transport and the environment

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	No.
99	100	101	100	97	95	94	101	97	94	94	1
0.4703	0.4727	0.4782	0.4733	0.4612	0.4481	0.4469	0.4764	0.4574	0.4468	0.4466	2
1,026.8	1,022.8	1,042.8	1,035.0	1,043.4	1,043.8	1,050.7	1,059.6	1,064.4	1,075.2	1,078.0	3a
1,068.1	1,066.1	1,091.2	1,087.6	1,099.0	1,102.6	1,111.4	1,117.9	1,117.2	1,130.5	1,134.2	3b
90	95	99	100	104	105	104	99	102	101	99	4
0.2271	0.2401	0.2503	0.2524	0.2617	0.2643	0.2631	0.2489	0.2570	0.2541	0.2493	5
515.8	541.4	571.1	580.0	623.7	650.5	654.3	584.2	627.9	643.1	633.2	6
17	17	17	17	18	18	18	17	18	18	18	7
81.1	85.1	91.9	95.4	107.0	114.6	115.7	95.8	107.3	113.3	110.1	8
489.8	515.6	545.2	554.4	596.5	622.6	625.2	557.4	601.3	613.7	604.4	9
26.0	25.8	26.0	25.6	27.2	28.0	29.2	26.8	26.5	29.3	28.8	10
515.8	541.4	571.1	580.0	623.7	650.5	654.3	584.2	627.9	643.1	633.2	11
13	11	12	12	11	10	10	10	10	9	10	12
64.2	58.2	63.7	64.1	64.0	64.7	64.1	55.5	62.3	55.0	58.5	13
2,271	2,255	2,282	2,298	2,383	2,461	2,487	2,347	2,443	2,530	2,540	14
98.9	98.1	99.3	100.0	103.7	107.1	108.2	102.1	106.3	110.1	110.5	15
2,206	2,217	2,268	2,298	2,390	2,510	2,558	2,457	2,576	2,699	2,750	16

Table 11.2.1: Stocks, vehicle mileages, fuel consumption and CO₂ emissions of cars

No.	Specification	2005	2010	2011	2012	2012 as against 2005	2012 as against 2011	Annual change in	
								2012 as against 2005	2012 as against 2011
		1000				percent			
1	Total stock	45,634	41,811	42,396	42,858	93.9	101.1	-0.6	1.1
2	Stock of diesel cars.....	9,593	11,267	11,891	12,579	131.1	105.8	3.1	5.8
3	Stock of gasoline cars.....	36,041	30,544	30,505	30,279	84.0	99.3	-1.6	-0.7
4	Stock of private households.....	41,265	37,799	38,261	38,621	93.6	100.9	-0.6	0.9
5	Stock of cars > 1,600 ccm (cubic inch).....	19,554	17,556	17,601	17,487	89.4	99.4	-1.1	-0.6
6	Share on total stock	47	46	46	45	-	-	-	-
7	Stock of diesel cars.....	7,207	8,711	9,203	9,779	135.7	106.3	3.6	6.3
8	Stock of gasoline cars.....	34,058	29,088	29,059	28,842	84.7	99.3	-1.5	-0.7
		1,000 km							
9	Average vehicle mileage total.....	12.7	14.0	14.1	13.9	109.9	99.0	1.0	-1.0
10	Vehicle mileage of diesel cars.....	19.5	21.1	20.7	20.6	106.1	99.6	0.6	-0.4
11	Vehicle mileage of gasoline cars.....	10.9	11.4	11.5	11.1	102.4	97.1	0.2	-2.9
12	Average vehicle mileage of private households.....	11.8	12.9	12.9	12.7	108.3	98.7	0.8	-1.3
13	Vehicle mileage of diesel cars.....	17.2	18.8	18.3	18.3	106.5	99.8	0.6	-0.2
14	Vehicle mileage of gasoline cars.....	10.6	11.2	11.2	10.8	102.2	97.0	0.2	-3.0
		mn km							
15	Vehicle mileages total.....	577,778	587,116	595,881	596,203	103.2	100.1	0.3	0.1
16	Vehicle mileage of diesel cars.....	186,721	237,700	246,580	259,698	139.1	105.3	3.9	5.3
17	Vehicle mileage of gasoline cars.....	391,058	349,416	349,301	336,506	86.1	96.3	-1.4	-3.7
18	Vehicle mileages of private households.....	485,213	488,135	493,762	491,809	101.4	99.6	0.1	-0.4
19	Vehicle mileage of diesel cars.....	123,980	163,438	168,840	179,082	144.4	106.1	4.4	6.1
20	Vehicle mileage of gasoline cars.....	361,233	324,697	324,922	312,727	86.6	96.2	-1.3	-3.8
		litre / 100 km							
21	Specific consumption.....	7.8	7.5	7.4	7.3	93.7	98.7	-0.6	-1.3
22	Specific consumption of diesel cars.....	7.1	6.8	6.8	6.8	95.9	100.0	-0.4	0.0
23	Specific consumption of gasoline cars.....	8.6	8.0	7.9	7.9	92.2	100.0	-0.8	0.0
		mn litres							
24	Total consumption.....	45,260	43,873	44,318	43,781	96.7	98.8	-0.3	-1.2
25	Consumption of diesel cars.....	12,740	16,149	16,613	17,499	137.4	105.3	3.7	5.3
26	Consumption of gasoline cars.....	32,520	27,724	27,705	26,283	80.8	94.9	-1.9	-5.1
27	Consumption of private households.....	38,237	36,700	37,001	36,367	95.1	98.3	-0.5	-1.7
28	Consumption of diesel cars.....	8,378	11,025	11,306	12,003	143.3	106.2	4.3	6.2
29	Consumption of gasoline cars.....	29,859	25,675	25,695	24,365	81.6	94.8	-1.8	-5.2
		1,000 tonnes							
30	Total consumption.....	35,030	34,278	34,651	34,324	98.0	99.1	-0.2	-0.9
31	Consumption of diesel cars.....	10,634	13,480	13,867	14,607	137.4	105.3	3.7	5.3
32	Consumption of gasoline cars.....	24,396	20,798	20,784	19,717	80.8	94.9	-1.9	-5.1
33	Consumption of private households.....	31,390	30,001	30,221	29,736	94.7	98.4	-0.5	-1.6
34	Consumption of diesel cars.....	6,993	9,203	9,437	10,019	143.3	106.2	4.3	6.2
35	Consumption of gasoline cars.....	24,396	20,798	20,784	19,717	80.8	94.9	-1.9	-5.1
		1,000 tonnes CO ₂							
36	CO₂ emissions of total cars.....	107,842	103,174	104,344	103,135	95.6	98.8	-0.4	-1.2
37	CO ₂ emissions of diesel cars.....	31,849	40,173	41,516	43,826	137.6	105.6	3.8	5.6
38	CO ₂ emissions of gasoline cars.....	75,993	63,001	62,828	59,309	78.0	94.4	-2.2	-5.6
39	CO₂ emissions of cars of private households.....	93,137	87,967	88,778	87,525	94.0	98.6	-0.6	-1.4
40	CO ₂ emissions of diesel cars.....	22,476	29,200	30,101	32,024	142.5	106.4	4.2	6.4
41	CO ₂ emissions of gasoline cars.....	70,362	58,766	58,677	55,500	78.9	94.6	-2.1	-5.4

*) Residents concept.

1) Vehicle fleet from 2007 onwards without vehicles temporarily deregistered.

Therefore fleet data and figures for average mileage of vehicles are not comparable over time.

2) Including vehicles with "other engines" but without gas-driven vehicles.

3) In line with the consumption approach mileage and fuel consumption of rented cars are attributed to private households. For consistency reasons the corresponding number of rented vehicles is attributed to private households also. Mileage and fuel consumption of company cars privately used are not included.

Table 11.2.2: Stocks, vehicle mileages, fuel consumption and CO₂ emissions of lorries^{*)}

No.	Specification	Unit	2005	2010	2011	2012	2012 as against 2005	2012 as against 2011	Annual change in	
									2012 as against 2005	2012 as against 2011
									percent	
1	Total stock.....	1,000	2,761	2,596	2,687	2,734	99	102	-0.1	1.7
2	Average vehicle mileage total.....	1,000 km per lorry	26.3	29.6	29.5	28.9	110	98	1.0	-1.9
3	Vehicle mileage total.....	mn km	72,494	76,924	79,224	79,099	109	100	0.9	-0.2
4	Specific fuel consumption.....	litre / 100 km	24.7	24.4	23.9	23.5	95	98	-0.5	-1.6
5	Total fuel consumption.....	mn litres	17,926	18,743	18,944	18,618	104	98	0.4	-1.7
6	Total fuel consumption.....	1,000 tonnes	14,937	15,627	15,795	15,523	104	98	0.4	-1.7
7	CO ₂ emissions of total lorries.....	1,000 tonnes CO ₂	46,765	49,156	49,705	48,887	105	98	0.5	-1.6

*) Lorries include: lorries, trucks and trailers and light duty vehicles.

Table 11.3.1: Stocks by vehicle categories and sectors, motor gasoline^{*)}

1,000

No.	No. (KBA)	Owner categories	Total	Cars	Other traction engine ¹⁾	Light duty vehicles	Motorcycles ²⁾	Other
01.01.2005								
1	1	Agriculture, hunting and forestry.....	49,715	33,003	11,321	1,687	3,045	659
2	2	Fishing.....	123	112	-	8	3	-
3	3	Mining and quarrying.....	6,061	5,283	-	471	119	188
4	4	Manufacturing.....	301,193	277,144	97	12,699	9,370	1,884
5	5	Electricity, gas and water supply.....	23,592	18,789	24	4,091	123	565
6	6	Construction work.....	111,575	93,909	48	13,154	2,768	1,695
7	7	Wholesale and retail trade; repair of motor vehicles.....	525,347	478,553	145	11,452	31,618	3,579
8	8	Hotel and restaurant industries.....	34,671	32,402	24	1,321	830	94
9	9	Transport, storage and communication.....	72,871	64,673	48	2,050	4,310	1,789
10	10	Financial intermediation.....	27,781	27,099	24	228	430	-
11	11	Real estate, renting and business activities.....	92,213	85,599	48	2,173	3,451	942
12	111	including: rental services of passenger cars.....	160,363	158,929	-	136	921	377
13	12	Public administration and defence.....	92,380	68,218	411	7,016	4,020	12,714
14	13	Education.....	2,366	1,354	-	30	982	-
15	14	Health and social work.....	72,200	68,378	24	874	1,888	1,036
16	15	Other community, social and personal services.....	902,568	816,934	556	42,129	30,328	12,620
17	16	Extra-territorial organizations and bodies.....	3,373	3,272	-	67	34	-
18	17	Employees and economically inactive population.....	37,952,942	34,040,351	11,418	114,773	3,730,457	55,944
19	18	Unknown.....	34,529	29,888	-	424	4,123	94
20		All branches.....	40,465,864	36,303,890	24,190	214,783	3,828,820	94,181
01.01.2007								
21	1	Agriculture, hunting and forestry.....	46,078	27,139	13,995	1,339	2,964	641
22	2	Fishing.....	161	141	-	11	9	-
23	3	Mining and quarrying.....	4,281	3,657	-	372	101	151
24	4	Manufacturing.....	259,011	239,059	131	9,944	8,405	1,471
25	5	Electricity, gas and water supply.....	22,138	17,145	33	4,298	134	528
26	6	Construction work.....	90,444	75,992	66	10,253	2,700	1,434
27	7	Wholesale and retail trade; repair of motor vehicles.....	492,923	443,544	197	10,098	36,405	2,679
28	8	Hotel and restaurant industries.....	29,430	27,426	33	1,144	789	38
29	9	Transport, storage and communication.....	62,208	54,257	66	2,268	4,221	1,396
30	10	Financial intermediation.....	20,250	19,572	-	201	439	38
31	11	Real estate, renting and business activities.....	86,206	80,017	66	2,304	3,253	566
32	111	including: rental services of passenger cars.....	154,261	153,356	-	87	705	113
33	12	Public administration and defence.....	84,330	60,957	558	6,729	4,276	11,809
34	13	Education.....	2,820	1,510	-	46	1,264	-
35	14	Health and social work.....	74,638	71,461	33	958	1,884	302
36	15	Other community, social and personal services.....	841,680	760,562	788	38,162	32,320	9,848
37	16	Extra-territorial organizations and bodies.....	2,818	2,673	-	65	42	38
38	17	Employees and economically inactive population.....	37,682,540	33,686,198	16,885	107,095	3,865,721	6,640
39	18	Unknown.....	29,376	24,887	-	275	4,176	38
40		All branches.....	39,985,591	35,749,553	32,851	195,649	3,969,808	37,730
01.01.2009³⁾								
41	1	Agriculture, forestry and fishing.....	29,914	19,716	6,065	1,013	2,607	513
42	2	Mining and quarrying.....	2,850	2,358	7	292	81	112
43	3	Manufacturing.....	193,322	180,233	67	7,586	4,410	1,026
44	4	Electricity, gas, steam and air conditioning supply.....	13,331	9,919	8	3,095	92	217
45	5	Water supply; sewerage, waste management.....	14,587	10,405	22	2,562	212	1,386
46	6	Construction.....	69,800	58,493	43	7,641	2,567	1,056
47	7	Wholesale and retail trade; repair of motor vehicles.....	332,356	305,402	68	7,949	16,916	2,021
48	8	Transportation and storage.....	41,788	35,494	39	2,042	3,419	794
49	9	Hotel and restaurant industries.....	23,899	22,158	12	982	718	29
50	10	Information and communication.....	5,204	4,637	1	407	90	70
51	11	Financial and insurance activities.....	14,996	14,405	5	194	371	21
52	12	Real estate activities.....	-	-	-	-	-	-
53	13	Professional, scientific and technical activities.....	352	333	0	9	9	1
54	14	Administrative and support service activities.....	68,255	63,368	23	2,306	2,192	366
55	15	Rental services of vehicles.....	81,448	80,846	1	83	420	98
56	16	Public administration and defence.....	65,063	45,601	246	5,950	3,902	9,364
57	17	Education.....	3,004	1,683	1	52	1,263	5
58	18	Human health and social work activities.....	74,786	71,624	15	1,078	1,784	285
59	19	Arts, entertainment and recreation services.....	10,183	7,478	14	325	2,302	64
60	20	Other service activities.....	674,655	609,780	293	31,977	26,297	6,309
61	21	Extra-territorial organizations and bodies.....	2,470	2,327	1	77	40	25
62	22	Employees and economically inactive population.....	33,152,572	29,469,413	6,696	85,942	3,586,081	4,440
63	23	Unknown.....	18,032	15,057	3	125	2,817	30
64		All branches.....	34,892,868	31,030,730	13,628	161,687	3,658,590	28,233

Table 11.3.1: Stocks by vehicle categories and sectors, motor gasoline^{*)}

1,000

No.	No. (KBA)	Owner categories	Total	Cars	Other traction engine ¹⁾	Light duty vehicles	Motorcycles ²⁾	Other
01.01.2010								
65	1	Agriculture, forestry and fishing.....	27,610	17,497	6,094	939	2,564	516
66	2	Mining and quarrying.....	2,512	2,073	7	254	76	103
67	3	Manufacturing.....	182,267	169,421	68	7,265	4,551	962
68	4	Electricity, gas, steam and air conditioning supply.....	14,362	10,505	9	3,522	121	205
69	5	Water supply; sewerage, waste management.....	13,856	9,901	23	2,429	221	1,282
70	6	Construction.....	67,398	56,350	45	7,402	2,594	1,007
71	7	Wholesale and retail trade; repair of motor vehicles.....	310,480	284,852	72	7,931	15,731	1,895
72	8	Transportation and storage.....	40,000	33,677	41	2,107	3,423	752
73	9	Hotel and restaurant industries.....	23,370	21,607	12	992	730	29
74	10	Information and communication.....	5,529	4,970	1	414	93	52
75	11	Financial and insurance activities.....	15,238	14,630	5	193	391	19
76	12	Real estate activities.....	911	857	0	43	8	3
77	13	Professional, scientific and technical activities.....	1,896	1,827	0	29	38	2
78	14	Administrative and support service activities.....	65,722	60,615	26	2,516	2,198	367
79	15	Rental services of vehicles.....	85,458	84,845	1	95	424	93
80	16	Public administration and defence.....	64,289	45,075	251	6,102	3,957	8,904
81	17	Education.....	3,558	2,095	1	62	1,395	5
82	18	Human health and social work activities.....	80,204	76,881	16	1,193	1,821	293
83	19	Arts, entertainment and recreation services.....	9,717	7,256	14	310	2,074	63
84	20	Other service activities.....	647,175	582,535	301	31,459	27,043	5,837
85	21	Extra-territorial organizations and bodies.....	2,625	2,454	2	98	37	34
86	22	Employees and economically inactive population.....	33,191,661	29,406,018	7,270	85,251	3,688,892	4,230
87	23	Unknown.....	50,968	23,713	6	23,040	4,179	30
88		All branches.....	34,906,808	30,919,654	14,264	183,646	3,762,561	26,683
01.01.2011								
89	1	Agriculture, forestry and fishing.....	26,820	16,291	6,552	928	2,535	514
90	2	Mining and quarrying.....	2,275	1,878	7	224	76	90
91	3	Manufacturing.....	198,580	185,617	78	7,094	4,890	901
92	4	Electricity, gas, steam and air conditioning supply.....	15,785	11,473	11	3,932	183	187
93	5	Water supply; sewerage, waste management.....	12,961	9,225	25	2,347	221	1,143
94	6	Construction.....	67,415	56,449	51	7,296	2,674	944
95	7	Wholesale and retail trade; repair of motor vehicles.....	343,269	318,016	83	7,971	15,422	1,777
96	8	Transportation and storage.....	39,230	33,026	47	2,165	3,308	684
97	9	Hotel and restaurant industries.....	23,954	22,125	13	1,023	765	28
98	10	Information and communication.....	8,368	7,718	1	421	184	44
99	11	Financial and insurance activities.....	16,373	15,703	5	205	443	17
100	12	Real estate activities.....	3,800	3,498	2	210	65	25
101	13	Professional, scientific and technical activities.....	7,612	7,305	0	84	217	5
102	14	Administrative and support service activities.....	73,158	66,875	35	2,896	2,870	482
103	15	Rental services of vehicles.....	92,822	92,219	2	94	416	91
104	16	Public administration and defence.....	60,751	42,007	275	6,193	3,964	8,312
105	17	Education.....	4,109	2,469	1	77	1,556	6
106	18	Human health and social work activities.....	87,608	84,089	18	1,311	1,863	327
107	19	Arts, entertainment and recreation services.....	9,533	7,295	15	333	1,835	55
108	20	Other service activities.....	601,442	539,707	327	29,922	26,275	5,210
109	21	Extra-territorial organizations and bodies.....	3,069	2,824	4	128	49	64
110	22	Employees and economically inactive population.....	33,335,632	29,484,818	8,465	84,189	3,754,245	3,915
111	23	Unknown.....	28,516	24,043	7	178	4,254	35
112		All branches.....	35,063,082	31,034,670	16,026	159,221	3,828,310	24,855
01.01.2012								
113	1	Agriculture, forestry and fishing.....	26,924	15,246	7,792	863	2,497	526
114	2	Mining and quarrying.....	1,977	1,621	8	192	73	83
115	3	Manufacturing.....	209,029	196,498	99	6,725	4,862	845
116	4	Electricity, gas, steam and air conditioning supply.....	16,912	12,474	15	4,011	232	180
117	5	Water supply; sewerage, waste management.....	12,080	8,563	29	2,210	230	1,048
118	6	Construction.....	67,696	56,801	65	7,040	2,878	912
119	7	Wholesale and retail trade; repair of motor vehicles.....	349,477	324,443	111	7,591	15,659	1,672
120	8	Transportation and storage.....	37,758	32,177	59	1,767	3,111	644
121	9	Hotel and restaurant industries.....	24,356	22,503	16	1,029	781	27
122	10	Information and communication.....	10,148	9,443	2	415	249	40
123	11	Financial and insurance activities.....	16,998	16,278	6	216	482	16
124	12	Real estate activities.....	6,468	5,930	3	372	135	28
125	13	Professional, scientific and technical activities.....	13,390	12,815	1	137	429	8
126	14	Administrative and support service activities.....	76,726	69,866	50	3,139	3,174	497
127	15	Rental services of vehicles.....	84,815	84,165	3	71	485	92
128	16	Public administration and defence.....	58,428	40,265	334	6,029	4,033	7,768
129	17	Education.....	4,656	2,807	2	80	1,761	6
130	18	Human health and social work activities.....	93,351	89,774	23	1,348	1,884	322
131	19	Arts, entertainment and recreation services.....	9,278	7,207	19	314	1,687	51
132	20	Other service activities.....	570,748	511,809	407	27,924	25,875	4,734
133	21	Extra-territorial organizations and bodies.....	3,337	3,051	6	144	55	81
134	22	Employees and economically inactive population.....	33,423,978	29,493,139	10,894	81,816	3,834,470	3,659
135	23	Unknown.....	22,510	18,821	6	129	3,515	39
136		All branches.....	35,141,039	31,035,696	19,949	153,562	3,908,557	23,275

*) Source: National vehicle registration office (Kraftfahrtbundesamt), figures from the beginning of the year (first of January).

1) Drawing vehicles without semitrailers and agriculture trucks.

2) Without mopeds.

3) New classification of vehicle owners since January 2009.

Table 11.3.2: Stocks by vehicle categories and sectors, gas-diesel oil^{*)}

1,000

No.	No. (KBA)	Owner categories	Total	Cars	Trucks	Semi-trailer trucks ¹⁾	Other traction engine ²⁾	Light duty vehicles	Buses ¹⁾	Other
01.01.2005										
1	1	Agriculture, hunting and forestry.....	883,157	28,520	12,799	1,135	820,114	20,490	99	4,217
2	2	Fishing.....	466	188	122	5	-	149	2	-
3	3	Mining and quarrying.....	19,925	8,644	5,334	1,092	-	4,837	18	1,205
4	4	Manufacturing.....	564,833	383,986	52,080	6,923	7,010	114,276	558	12,049
5	5	Electricity, gas and water supply.....	41,723	16,508	4,097	126	1,752	18,193	1,047	3,615
6	6	Construction work.....	392,153	145,018	71,001	5,687	3,505	166,876	66	10,844
7	7	Wholesale and retail trade; repair of motor vehicles.....	673,983	440,443	80,624	18,033	10,514	121,402	2,967	22,894
8	8	Hotel and restaurant industries.....	24,568	16,600	992	73	1,752	5,106	45	602
9	9	Transport, storage and communication.....	467,174	141,758	103,642	86,032	3,505	81,303	50,934	11,447
10	10	Financial intermediation.....	31,374	28,228	507	61	1,752	763	63	-
11	11	Real estate, renting and business activities.....	130,402	93,838	7,167	1,783	3,505	23,282	827	6,025
12	111	including: rental services of passenger cars.....	257,951	208,632	14,320	4,768	-	30,063	168	2,410
13	12	Public administration and defence.....	155,058	64,732	21,398	160	29,790	37,057	1,921	81,333
14	13	Education.....	3,351	3,033	90	12	-	193	23	-
15	14	Health and social work.....	48,948	40,994	1,353	28	1,752	4,618	203	6,627
16	15	Other community, social and personal services.....	1,564,197	909,970	179,225	36,712	40,305	379,046	18,939	80,730
17	16	Extra-territorial organizations and bodies.....	3,608	3,189	125	11	-	266	17	-
18	17	Employees and economically inactive population.....	8,181,884	6,531,720	130,336	22,673	827,123	662,647	7,385	357,863
19	18	Unknown.....	7,491	5,635	599	50	-	981	226	602
20		All branches.....	13,452,247	9,071,636	685,811	185,364	1,752,380	1,671,548	85,508	602,463
01.01.2007										
21	1	Agriculture, hunting and forestry.....	816,400	26,760	11,234	1,271	753,049	19,776	121	4,189
22	2	Fishing.....	565	240	131	7	-	185	2	-
23	3	Mining and quarrying.....	18,655	7,867	4,500	985	-	4,294	23	986
24	4	Manufacturing.....	608,395	424,515	48,262	7,064	7,071	111,322	550	9,611
25	5	Electricity, gas and water supply.....	49,171	18,561	4,009	113	1,768	20,222	1,048	3,450
26	6	Construction work.....	393,636	147,728	64,535	5,840	3,535	162,571	62	9,364
27	7	Wholesale and retail trade; repair of motor vehicles.....	709,860	462,348	75,741	18,173	10,606	122,581	2,914	17,497
28	8	Hotel and restaurant industries.....	26,411	17,987	975	48	1,768	5,346	41	246
29	9	Transport, storage and communication.....	498,250	158,476	98,334	94,156	3,535	85,703	48,928	9,118
30	10	Financial intermediation.....	37,108	35,566	388	39	-	817	52	246
31	11	Real estate, renting and business activities.....	153,275	107,192	8,192	2,340	3,535	27,416	903	3,696
32	111	including: rental services of passenger cars.....	294,842	239,851	15,883	6,383	-	31,813	173	739
33	12	Public administration and defence.....	248,463	80,160	21,214	149	30,051	38,033	1,723	77,133
34	13	Education.....	4,161	3,722	107	9	-	284	39	-
35	14	Health and social work.....	70,359	59,181	1,598	38	1,768	5,552	251	1,971
36	15	Other community, social and personal services.....	1,837,863	1,090,983	175,271	40,304	42,425	405,475	19,086	64,318
37	16	Extra-territorial organizations and bodies.....	2,208	1,452	156	12	-	326	16	246
38	17	Employees and economically inactive population.....	9,748,504	7,930,774	126,123	23,286	908,609	708,900	7,441	43,372
39	18	Unknown.....	8,361	6,741	423	55	-	720	176	246
40		All branches.....	15,526,488	10,820,104	657,076	200,272	1,767,721	1,751,336	83,549	246,430
01.01.2009³⁾										
41	1	Agriculture, forestry and fishing.....	307,551	22,542	3,802	1,236	252,996	22,720	63	4,192
42	2	Mining and quarrying.....	14,923	6,583	1,754	530	284	4,829	29	914
43	3	Manufacturing.....	541,272	377,298	19,892	6,580	2,782	125,920	413	8,386
44	4	Electricity, gas, steam and air conditioning supply.....	36,025	16,095	674	68	338	16,637	437	1,776
45	5	Water supply; sewerage, waste management.....	57,392	15,497	8,820	1,361	932	18,761	699	11,323
46	6	Construction.....	356,471	139,583	24,098	4,598	1,787	177,717	61	8,627
47	7	Wholesale and retail trade; repair of motor vehicles.....	569,870	360,226	35,005	15,850	2,821	137,342	2,110	16,516
48	8	Transportation and storage.....	402,896	114,836	58,400	84,970	1,630	90,369	46,200	6,491
49	9	Hotel and restaurant industries.....	24,738	17,832	291	46	501	5,784	44	240
50	10	Information and communication.....	43,873	31,832	464	239	31	10,637	100	569
51	11	Financial and insurance activities.....	37,827	36,259	182	22	206	962	28	168
52	12	Real estate activities.....	-	-	-	0	-	-	-	-
53	13	Professional, scientific and technical activities.....	700	607	4	0	2	82	-	5
54	14	Administrative and support service activities.....	135,879	93,158	3,752	2,108	949	32,059	863	2,990
55	15	Rental services of vehicles.....	178,615	132,565	3,767	5,754	54	35,502	171	802
56	16	Public administration and defence.....	220,151	77,930	8,123	153	10,253	45,923	1,252	76,517
57	17	Education.....	4,716	4,102	66	16	28	424	36	43
58	18	Human health and social work activities.....	76,503	65,058	396	34	610	7,824	253	2,328
59	19	Arts, entertainment and recreation services.....	14,953	10,947	252	229	579	2,299	120	527
60	20	Other service activities.....	1,717,243	1,060,192	68,309	33,982	12,201	474,476	16,530	51,553
61	21	Extra-territorial organizations and bodies.....	2,198	1,405	60	10	49	450	18	206
62	22	Employees and economically inactive population.....	8,774,544	7,698,558	35,466	19,069	279,304	700,065	5,802	36,280
63	23	Unknown.....	8,323	7,268	94	28	108	536	41	248
64		All branches.....	13,526,665	10,290,373	273,671	176,883	568,447	1,911,318	75,270	230,703

Table 11.3.2: Stocks by vehicle categories and sectors, gas-diesel oil^{*)}

1,000

No.	No. (KBA)	Owner categories	Total	Cars	Trucks	Semi-trailer trucks ¹⁾	Other traction engine ²⁾	Light duty vehicles	Buses ¹⁾	Other
01.01.2010										
65	1	Agriculture, forestry and fishing.....	295,984	22,403	3,851	1,361	240,896	22,884	55	4,534
66	2	Mining and quarrying.....	14,384	6,298	1,675	537	263	4,681	28	902
67	3	Manufacturing.....	559,879	393,697	20,213	6,426	2,697	127,968	428	8,450
68	4	Electricity, gas, steam and air conditioning supply.....	40,350	18,023	801	84	357	18,838	442	1,805
69	5	Water supply; sewerage, waste management.....	58,000	15,681	9,175	1,378	895	18,971	634	11,266
70	6	Construction.....	367,915	143,861	24,930	4,851	1,771	183,578	71	8,853
71	7	Wholesale and retail trade; repair of motor vehicles.....	555,391	346,601	34,313	15,172	2,835	137,792	2,030	16,648
72	8	Transportation and storage.....	401,761	112,643	58,002	83,333	1,637	91,944	47,596	6,607
73	9	Hotel and restaurant industries.....	26,114	18,750	295	54	463	6,249	46	257
74	10	Information and communication.....	46,603	35,310	406	193	33	10,117	91	453
75	11	Financial and insurance activities.....	40,422	38,839	168	27	195	1,018	12	163
76	12	Real estate activities.....	1,347	986	8	7	9	314	-	23
77	13	Professional, scientific and technical activities.....	3,410	3,012	6	8	7	362	2	13
78	14	Administrative and support service activities.....	141,632	96,360	4,050	2,056	1,018	34,029	891	3,228
79	15	Rental services of vehicles.....	138,840	98,024	3,459	4,971	56	31,321	192	817
80	16	Public administration and defence.....	227,111	82,055	8,463	161	9,918	47,081	1,189	78,244
81	17	Education.....	5,501	4,771	89	21	31	502	41	45
82	18	Human health and social work activities.....	83,699	71,076	449	35	615	8,680	268	2,575
83	19	Arts, entertainment and recreation services.....	15,491	11,362	263	253	559	2,377	122	555
84	20	Other service activities.....	1,702,935	1,047,734	67,109	31,667	11,884	476,854	16,394	51,292
85	21	Extra-territorial organizations and bodies.....	2,819	1,740	84	13	79	579	22	302
86	22	Employees and economically inactive population.....	9,347,271	8,239,129	36,270	18,263	287,381	723,225	5,830	37,173
87	23	Unknown.....	10,954	9,518	122	40	225	734	49	266
88		All branches.....	14,087,812	10,817,873	274,201	170,911	563,825	1,950,098	76,433	234,471
01.01.2011										
89	1	Agriculture, forestry and fishing.....	283,453	22,803	3,725	1,483	227,805	23,010	41	4,586
90	2	Mining and quarrying.....	13,666	5,929	1,567	549	243	4,434	32	912
91	3	Manufacturing.....	580,756	405,653	20,817	7,070	2,716	135,403	551	8,546
92	4	Electricity, gas, steam and air conditioning supply.....	47,249	20,898	835	104	365	22,746	475	1,825
93	5	Water supply; sewerage, waste management.....	58,584	15,757	9,553	1,332	859	19,149	539	11,395
94	6	Construction.....	385,032	151,174	24,243	4,927	1,785	193,875	74	8,954
95	7	Wholesale and retail trade; repair of motor vehicles.....	573,904	355,738	34,917	16,991	2,891	144,625	1,904	16,838
96	8	Transportation and storage.....	413,538	113,271	59,357	88,097	1,625	95,903	48,603	6,682
97	9	Hotel and restaurant industries.....	27,918	20,006	287	54	449	6,819	43	260
98	10	Information and communication.....	55,799	44,348	381	188	44	10,302	78	458
99	11	Financial and insurance activities.....	43,786	41,971	160	33	175	1,278	4	165
100	12	Real estate activities.....	5,632	4,022	39	17	69	1,462	-	23
101	13	Professional, scientific and technical activities.....	13,325	11,945	33	15	14	1,303	2	14
102	14	Administrative and support service activities.....	172,142	116,332	5,057	2,743	1,212	42,387	1,146	3,264
103	15	Rental services of vehicles.....	145,535	101,242	3,452	5,511	71	34,238	195	826
104	16	Public administration and defence.....	233,316	86,432	8,559	175	9,564	48,311	1,138	79,137
105	17	Education.....	6,684	5,814	96	22	39	613	54	46
106	18	Human health and social work activities.....	92,350	78,728	465	44	631	9,613	264	2,605
107	19	Arts, entertainment and recreation services.....	16,128	11,849	230	273	534	2,550	131	561
108	20	Other service activities.....	1,628,372	989,654	63,456	30,304	11,383	466,320	15,377	51,878
109	21	Extra-territorial organizations and bodies.....	3,933	2,454	113	22	140	874	25	305
110	22	Employees and economically inactive population.....	9,784,718	8,650,503	34,990	18,050	294,314	743,527	5,737	37,597
111	23	Unknown.....	11,903	10,257	151	46	231	899	50	269
112		All branches.....	14,597,722	11,266,780	272,483	178,050	557,157	2,009,641	76,463	237,148
01.01.2012										
113	1	Agriculture, forestry and fishing.....	268,167	23,317	4,320	1,640	214,476	19,369	46	4,998
114	2	Mining and quarrying.....	12,012	5,845	1,010	592	228	3,428	32	877
115	3	Manufacturing.....	599,742	437,210	21,819	7,810	2,719	120,828	588	8,768
116	4	Electricity, gas, steam and air conditioning supply.....	53,261	23,697	1,880	119	405	24,791	554	1,815
117	5	Water supply; sewerage, waste management.....	49,588	16,316	3,975	1,379	809	15,481	504	11,124
118	6	Construction.....	388,731	161,615	25,465	5,312	1,785	185,301	67	9,186
119	7	Wholesale and retail trade; repair of motor vehicles.....	585,061	389,816	26,935	18,175	3,057	127,929	1,861	17,288
120	8	Transportation and storage.....	369,533	117,990	19,424	92,114	1,632	82,974	48,744	6,655
121	9	Hotel and restaurant industries.....	30,056	21,814	575	52	450	6,848	48	269
122	10	Information and communication.....	62,923	52,066	437	163	48	9,710	70	428
123	11	Financial and insurance activities.....	48,826	46,353	118	37	172	1,979	4	164
124	12	Real estate activities.....	9,647	6,858	202	22	87	2,238	1	239
125	13	Professional, scientific and technical activities.....	24,697	22,366	118	28	18	2,113	2	52
126	14	Administrative and support service activities.....	201,028	135,534	5,542	8,275	1,364	44,277	1,350	4,686
127	15	Rental services of vehicles.....	165,970	122,246	7,944	5,186	75	29,436	198	885
128	16	Public administration and defence.....	229,757	88,692	11,204	185	9,185	38,511	1,122	80,858
129	17	Education.....	7,588	6,722	104	22	42	585	56	57
130	18	Human health and social work activities.....	100,140	85,435	1,575	58	635	8,996	264	3,177
131	19	Arts, entertainment and recreation services.....	16,498	12,357	472	264	533	2,197	139	536
132	20	Other service activities.....	1,543,582	970,445	63,857	30,224	11,193	402,490	14,684	50,688
133	21	Extra-territorial organizations and bodies.....	5,050	3,074	239	28	177	886	27	619
134	22	Employees and economically inactive population.....	10,257,677	9,130,459	61,643	17,786	299,872	704,291	5,541	38,086
135	23	Unknown.....	12,947	11,472	205	36	154	665	77	338
136		All branches.....	15,042,483	11,891,699	259,063	189,507	549,117	1,835,323	75,979	241,795

*) Source: National vehicle registration office (Kraftfahrtbundesamt), figures from the beginning of the year (first of January).

1) Including petrol propulsion types and other propulsion types.

2) Drawing vehicles without semitrailers and agriculture trucks.

3) New classification of vehicle owners since January 2009.

Table 11.4.1: Vehicle mileages in road transport total^{*)}

mn km

No.	CPA ¹⁾	Homogeneous branches	2002	2003
1	A	Products of agriculture, forestry and fishing.....	5,195	5,184
2	B	Mining and quarrying.....	701	604
3	C	Manufactured products.....	18,056	17,565
4	D	Electricity, gas, steam and air conditioning.....	838	884
5	E	Water supply; sewerage, waste management and remediation services.....	8,786	8,205
6	F	Constructions and construction works.....	11,562	10,686
7	G	Wholesale and retail trade services; repair services of motor vehicles and motorcycles.....	28,155	27,323
8	H	Transportation and storage services.....	27,355	28,018
9	I	Accommodation and food services.....	1,245	1,158
10	J	Information and Communication services.....	7,947	7,764
11	K	Financial and insurance services.....	1,081	1,089
12	L	Real estate services.....	2,112	2,472
13	M	Professional, scientific and technical services.....	24,228	22,298
14	N	Administrative and support services.....	1,373	1,764
15	O	Public administration and defence services; compulsory social security services.....	4,438	4,530
16	P	Education services.....	362	366
17	Q	Human health and social work services.....	652	3,659
18	R-T	Other services.....	13,287	12,326
19		All homogeneous branches.....	157,373	155,895
20		Private households.....	529,819	526,320
21		All homogeneous branches and private households (residents concept) 4).....	687,192	682,215

*) Including kilometrage under utilization of petrol, bio-ethanol, gasoline and bio-gasoline; excluding kilometrage with "other engines" but without gas-driven vehicles.

1) Statistical Classification of Products by Activity (CPA) of the European Union (2008 Edition).

2) New classification of keeper categories from 01.01.2009 onwards.

3) Preliminary results.

4) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

Table 11.4.1: Vehicle mileages in road transport total^{*)}

mn km

2004	2005	2006	2007	2008 ²⁾	2009 ²⁾	2010	2011 ³⁾	2012 ³⁾	No.
5,271	5,327	5,466	5,524	5,567	5,773	5,864	6,139	6,321	1
591	523	518	464	438	402	402	382	389	2
18,254	17,651	18,773	18,172	17,442	17,585	18,493	19,604	20,310	3
1,001	987	1,066	1,083	1,191	1,110	1,278	1,474	1,581	4
8,357	8,324	9,509	9,657	9,982	9,724	9,235	9,104	8,743	5
10,275	9,512	9,660	9,382	9,453	9,329	9,722	10,579	11,063	6
28,449	27,770	28,970	28,540	26,993	25,580	26,981	28,205	28,816	7
29,528	30,001	31,777	32,834	32,960	32,630	33,471	34,591	34,341	8
1,155	1,060	1,091	1,019	1,064	1,083	1,158	1,223	1,279	9
7,840	7,597	7,633	7,404	7,683	6,468	6,484	6,575	6,525	10
1,144	1,115	1,233	1,180	1,219	1,297	1,419	1,554	1,655	11
2,796	2,876	3,170	3,038	3,063	3,404	3,522	3,617	3,718	12
22,303	22,211	24,526	24,533	26,044	26,324	25,688	25,387	25,414	13
1,963	1,857	1,248	1,674	1,766	1,245	1,426	1,563	1,684	14
4,550	4,585	4,613	4,538	4,613	4,757	4,864	4,750	4,767	15
397	405	443	449	483	466	510	537	560	16
1,935	3,190	1,058	2,461	2,745	3,102	3,430	3,675	3,882	17
12,541	12,004	12,980	12,974	13,859	13,497	13,044	12,773	12,637	18
158,351	156,994	163,732	164,927	166,563	163,777	166,991	171,732	173,685	19
538,047	526,902	522,563	523,157	515,915	523,185	525,068	532,035	530,743	20
696,398	683,897	686,295	688,084	682,478	686,963	692,059	703,767	704,428	21

Table 11.4.2: Vehicle mileages by vehicle categories by homogeneous branches - motor gasoline vehicles^{*)}
mn km

No.	CPA ¹⁾	Homogeneous branches	Total	Cars	Trailers and buses	Light duty vehicles	Motor-cycles	Other
2002								
1	A	Products of agriculture, forestry and fishing.....	552	477	28	27	14	5
2	B	Mining and quarrying.....	152	141	0	8	1	2
3	C	Manufactured products.....	5,636	5,343	0	221	50	21
4	D	Electricity, gas, steam and air conditioning.....	245	206	0	34	0	4
5	E	Water supply; sewerage, waste management and remediation services.....	1,648	1,562	0	61	12	13
6	F	Constructions and construction works.....	2,271	2,001	0	238	13	19
7	G	Wholesale and retail trade services; repair services of motor vehicles	8,732	8,033	0	526	136	36
8	H	Transportation and storage services.....	1,700	995	1	676	13	15
9	I	Accommodation and food services.....	700	673	0	22	4	1
10	J	Information and Communication services.....	2,077	1,972	1	68	18	18
11	K	Financial and insurance services.....	617	611	0	3	2	1
12	L	Real estate services.....	947	920	0	16	8	4
13	M	Professional, scientific and technical services.....	10,452	9,916	1	374	81	81
14	N	Administrative and support services.....	399	378	0	14	3	3
15	O	Public administration and defence services; compulsory social security services.....	1,340	1,098	1	93	19	128
16	P	Education services.....	113	107	0	4	1	1
17	Q	Human health and social work services.....	300	277	0	9	9	7
18	R-T	Other services.....	2,519	2,387	0	92	19	20
19		All homogeneous branches.....	40,400	37,096	34	2,486	403	381
20		Private households.....	410,875	394,149	0	658	15,518	549
21		All homogeneous branches and private households (residents concept) 2).....	451,275	431,246	34	3,144	15,921	930
2004								
22	A	Products of agriculture, forestry and fishing.....	421	349	31	21	14	5
23	B	Mining and quarrying.....	97	89	0	6	1	1
24	C	Manufactured products.....	4,576	4,346	0	169	44	17
25	D	Electricity, gas, steam and air conditioning.....	258	217	0	37	0	4
26	E	Water supply; sewerage, waste management and remediation services.....	1,309	1,235	0	52	12	10
27	F	Constructions and construction works.....	1,559	1,358	0	174	13	15
28	G	Wholesale and retail trade services; repair services of motor vehicles	7,197	6,595	0	441	130	31
29	H	Transportation and storage services.....	1,598	971	1	600	14	12
30	I	Accommodation and food services.....	561	539	0	18	4	1
31	J	Information and Communication services.....	1,602	1,516	0	54	17	14
32	K	Financial and insurance services.....	490	486	0	3	2	0
33	L	Real estate services.....	882	850	0	18	10	5
34	M	Professional, scientific and technical services.....	8,077	7,629	1	304	80	64
35	N	Administrative and support services.....	505	476	0	19	5	4
36	O	Public administration and defence services; compulsory social security services.....	1,163	949	1	84	18	111
37	P	Education services.....	101	93	0	3	4	1
38	Q	Human health and social work services.....	721	694	0	10	9	8
39	R-T	Other services.....	1,867	1,761	0	72	18	15
40		All homogeneous branches.....	32,983	30,151	36	2,084	395	318
41		Private households.....	400,308	382,669	0	582	16,577	480
42		All homogeneous branches and private households (residents concept) 2).....	433,292	412,820	36	2,666	16,971	798
2006								
43	A	Products of agriculture, forestry and fishing.....	359	294	31	16	13	5
44	B	Mining and quarrying.....	68	62	0	4	1	1
45	C	Manufactured products.....	3,886	3,710	0	124	39	13
46	D	Electricity, gas, steam and air conditioning.....	245	206	0	35	1	3
47	E	Water supply; sewerage, waste management and remediation services.....	1,249	1,180	0	47	14	8
48	F	Constructions and construction works.....	1,258	1,104	0	128	13	13
49	G	Wholesale and retail trade services; repair services of motor vehicles	6,535	5,967	0	380	165	22
50	H	Transportation and storage services.....	1,471	906	1	539	15	9
51	I	Accommodation and food services.....	473	455	0	14	4	0
52	J	Information and Communication services.....	1,365	1,294	0	44	17	10
53	K	Financial and insurance services.....	359	354	0	2	2	0
54	L	Real estate services.....	816	786	0	17	10	3
55	M	Professional, scientific and technical services.....	7,426	7,023	1	266	87	49
56	N	Administrative and support services.....	251	237	0	9	3	2
57	O	Public administration and defence services; compulsory social security services.....	978	783	1	77	19	99
58	P	Education services.....	94	85	0	3	6	0
59	Q	Human health and social work services.....	324	303	0	10	9	2
60	R-T	Other services.....	1,538	1,453	0	56	18	10
61		All homogeneous branches.....	28,695	26,201	35	1,772	436	251
62		Private households.....	369,438	351,502	0	520	17,352	64
63		All homogeneous branches and private households (residents concept) 2).....	398,133	377,703	36	2,291	17,788	316

Table 11.4.2: Vehicle mileages by vehicle categories by homogeneous branches - motor gasoline vehicles^{*)}
mn km

No.	CPA ¹⁾	Homogeneous branches	Total	Cars	Trailers and buses	Light duty vehicles	Motor-cycles	Other
2008								
64	A	Products of agriculture, forestry and fishing.....	314	245	39	13	11	5
65	B	Mining and quarrying.....	47	42	0	3	0	1
66	C	Manufactured products.....	3,098	2,970	1	97	20	11
67	D	Electricity, gas, steam and air conditioning.....	247	203	0	40	0	3
68	E	Water supply; sewerage, waste management and remediation services.....	1,135	1,074	0	43	12	8
69	F	Constructions and construction works.....	943	822	0	99	11	11
70	G	Wholesale and retail trade services; repair services of motor vehicles	5,325	4,912	0	318	74	21
71	H	Transportation and storage services.....	1,229	743	1	465	13	8
72	I	Accommodation and food services.....	412	397	0	12	3	0
73	J	Information and Communication services.....	1,170	1,108	0	39	14	8
74	K	Financial and insurance services.....	252	248	0	2	2	0
75	L	Real estate services.....	705	676	0	18	7	3
76	M	Professional, scientific and technical services.....	6,867	6,498	1	245	76	47
77	N	Administrative and support services.....	323	305	0	12	4	2
78	O	Public administration and defence services; compulsory social security services.....	844	653	1	76	17	98
79	P	Education services.....	93	84	0	3	6	0
80	Q	Human health and social work services.....	939	917	0	12	8	3
81	R-T	Other services.....	1,374	1,299	0	50	15	10
82		All homogeneous branches.....	25,318	23,195	45	1,547	293	239
83		Private households.....	353,155	337,126	0	444	15,529	56
84		All homogeneous branches and private households (residents concept) 2).....	378,474	360,321	45	1,991	15,822	295
2010								
85	A	Products of agriculture, forestry and fishing.....	272	190	56	11	10	5
86	B	Mining and quarrying.....	37	33	0	2	0	1
87	C	Manufactured products.....	3,121	3,008	1	82	20	9
88	D	Electricity, gas, steam and air conditioning.....	232	189	0	40	1	2
89	E	Water supply; sewerage, waste management and remediation services.....	1,024	943	0	55	10	15
90	F	Constructions and construction works.....	821	707	0	91	12	11
91	G	Wholesale and retail trade services; repair services of motor vehicles	6,253	5,808	0	342	77	25
92	H	Transportation and storage services.....	1,305	840	1	442	14	7
93	I	Accommodation and food services.....	419	403	0	12	3	0
94	J	Information and Communication services.....	977	927	0	34	10	5
95	K	Financial and insurance services.....	275	270	0	2	2	0
96	L	Real estate services.....	704	667	0	26	7	4
97	M	Professional, scientific and technical services.....	5,572	5,278	1	200	62	31
98	N	Administrative and support services.....	284	271	0	9	3	1
99	O	Public administration and defence services; compulsory social security services.....	779	598	1	74	17	89
100	P	Education services.....	100	89	0	3	7	0
101	Q	Human health and social work services.....	1,143	1,116	0	15	8	3
102	R-T	Other services.....	1,373	1,295	0	49	21	8
103		All homogeneous branches.....	24,691	22,635	62	1,490	286	218
104		Private households.....	343,242	326,781	0	415	16,001	45
105		All homogeneous branches and private households (residents concept) 2).....	367,932	349,416	63	1,904	16,286	263
2012³⁾								
127	A	Products of agriculture, forestry and fishing.....	257	168	63	10	10	6
128	B	Mining and quarrying.....	29	26	0	2	0	1
129	C	Manufactured products.....	3,082	2,974	1	76	23	8
130	D	Electricity, gas, steam and air conditioning.....	249	202	0	44	1	2
131	E	Water supply; sewerage, waste management and remediation services.....	908	837	0	49	10	13
132	F	Constructions and construction works.....	849	739	0	87	13	10
133	G	Wholesale and retail trade services; repair services of motor vehicles	6,002	5,574	0	323	83	22
134	H	Transportation and storage services.....	1,244	804	1	419	13	7
135	I	Accommodation and food services.....	418	402	0	13	4	0
136	J	Information and Communication services.....	926	880	0	30	10	4
137	K	Financial and insurance services.....	290	285	0	3	2	0
138	L	Real estate services.....	720	682	0	27	8	3
139	M	Professional, scientific and technical services.....	5,191	4,922	1	179	63	26
140	N	Administrative and support services.....	292	278	0	10	3	1
141	O	Public administration and defence services; compulsory social security services.....	686	516	1	73	17	78
142	P	Education services.....	106	94	0	3	9	0
143	Q	Human health and social work services.....	1,252	1,224	0	16	8	3
144	R-T	Other services.....	1,240	1,169	1	44	20	6
145		All homogeneous branches.....	23,740	21,775	69	1,407	297	192
146		Private households.....	331,731	314,730	0	397	16,564	40
147		All homogeneous branches and private households (residents concept) 2).....	355,472	336,506	69	1,803	16,862	232

*) Including kilometrage under utilization of bio-ethanol.

1) Statistical Classification of Products by Activity (CPA) of the European Union (2008 Edition).

2) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

3) Preliminary results.

Table 11.4.3: Vehicle mileages by vehicle categories by homogeneous branches - gas-diesel oil vehicles^{*)}
mn km

No.	CPA ¹⁾	Homogeneous branches	Total	Cars	Trucks	Semi-trailer trucks, traction engine	Light duty vehicles	Other ²⁾
2002								
1	A	Products of agriculture, forestry and fishing.....	4,643	551	95	3,392	559	47
2	B	Mining and quarrying.....	549	232	76	75	145	22
3	C	Manufactured products.....	12,420	7,560	790	815	3,048	206
4	D	Electricity, gas, steam and air conditioning.....	592	230	13	16	266	69
5	E	Water supply; sewerage, waste management and remediation services.....	7,138	1,961	2,071	2,013	910	183
6	F	Constructions and construction works.....	9,292	3,370	601	608	4,530	182
7	G	Wholesale and retail trade services; repair services of motor vehicles.....	19,423	7,899	2,326	2,269	6,513	416
8	H	Transportation and storage services.....	25,655	2,521	6,878	6,665	7,965	1,626
9	I	Accommodation and food services.....	545	374	6	6	148	11
10	J	Information and Communication services.....	5,870	2,592	606	594	1,370	708
11	K	Financial and insurance services.....	463	406	12	14	19	11
12	L	Real estate services.....	1,165	822	32	34	226	52
13	M	Professional, scientific and technical services.....	13,776	8,441	114	150	4,198	873
14	N	Administrative and support services.....	974	459	100	114	237	64
15	O	Public administration and defence services; compulsory social security services.....	3,098	875	18	141	908	1,156
16	P	Education services.....	249	136	19	19	62	12
17	Q	Human health and social work services.....	352	212	3	4	75	57
18	R-T	Other services.....	10,767	6,154	429	446	3,117	621
19		All homogeneous branches.....	116,972	44,794	14,190	17,376	34,297	6,316
20		Private households.....	118,944	107,521	-	-	6,579	4,845
21		All homogeneous branches and private households (residents concept) 3).....	235,917	152,315	14,190	17,376	40,875	11,161
2004								
22	A	Products of agriculture, forestry and fishing.....	4,850	467	89	3,716	521	58
23	B	Mining and quarrying.....	494	206	72	82	118	15
24	C	Manufactured products.....	13,678	9,005	714	839	2,923	198
25	D	Electricity, gas, steam and air conditioning.....	743	314	13	17	328	71
26	E	Water supply; sewerage, waste management and remediation services.....	7,049	2,147	1,816	2,017	893	175
27	F	Constructions and construction works.....	8,716	3,121	566	655	4,205	169
28	G	Wholesale and retail trade services; repair services of motor vehicles.....	21,252	9,359	2,262	2,519	6,679	434
29	H	Transportation and storage services.....	27,930	3,271	6,927	7,669	8,437	1,627
30	I	Accommodation and food services.....	594	416	9	10	148	11
31	J	Information and Communication services.....	6,238	2,966	574	642	1,349	707
32	K	Financial and insurance services.....	654	608	9	12	20	4
33	L	Real estate services.....	1,914	1,382	43	52	360	77
34	M	Professional, scientific and technical services.....	14,225	9,125	103	152	4,015	831
35	N	Administrative and support services.....	1,459	795	94	122	364	84
36	O	Public administration and defence services; compulsory social security services.....	3,387	1,179	13	84	920	1,191
37	P	Education services.....	296	188	17	19	61	12
38	Q	Human health and social work services.....	1,214	1,016	3	5	105	86
39	R-T	Other services.....	10,674	6,411	363	430	2,902	568
40		All homogeneous branches.....	125,368	51,975	13,687	19,040	34,347	6,317
41		Private households.....	137,738	125,614	-	-	7,002	5,123
42		All homogeneous branches and private households (residents concept) 3).....	263,106	177,589	13,687	19,040	41,349	11,440
2006								
43	A	Products of agriculture, forestry and fishing.....	5,107	442	93	4,034	483	55
44	B	Mining and quarrying.....	450	196	60	75	103	16
45	C	Manufactured products.....	14,887	10,399	684	881	2,758	165
46	D	Electricity, gas, steam and air conditioning.....	821	367	12	18	358	66
47	E	Water supply; sewerage, waste management and remediation services.....	8,260	2,796	1,947	2,384	970	163
48	F	Constructions and construction works.....	8,402	3,132	527	672	3,918	154
49	G	Wholesale and retail trade services; repair services of motor vehicles.....	22,435	10,648	2,145	2,633	6,658	351
50	H	Transportation and storage services.....	30,307	4,062	7,098	8,669	8,857	1,620
51	I	Accommodation and food services.....	618	454	7	9	141	6
52	J	Information and Communication services.....	6,268	3,402	433	536	1,294	603
53	K	Financial and insurance services.....	874	825	9	13	20	7
54	L	Real estate services.....	2,354	1,754	50	66	417	67
55	M	Professional, scientific and technical services.....	17,100	11,726	112	182	4,316	764
56	N	Administrative and support services.....	997	538	85	121	208	45
57	O	Public administration and defence services; compulsory social security services.....	3,635	1,517	12	85	922	1,099
58	P	Education services.....	348	240	16	21	61	10
59	Q	Human health and social work services.....	733	559	8	11	123	32
60	R-T	Other services.....	11,443	7,398	339	443	2,794	470
61		All homogeneous branches.....	135,037	60,454	13,638	20,852	34,402	5,692
62		Private households.....	153,125	144,746	-	-	7,318	1,061
63		All homogeneous branches and private households (residents concept) 3).....	288,162	205,200	13,638	20,852	41,720	6,752

Table 11.4.3: Vehicle mileages by vehicle categories by homogeneous branches - gas-diesel oil vehicles^{*)}
mn km

No.	CPA ¹⁾	Homogeneous branches	Total	Cars	Trucks	Semi-trailer trucks, traction engine	Light duty vehicles	Other ²⁾
2008								
64	A	Products of agriculture, forestry and fishing.....	5,253	392	90	4,240	474	56
65	B	Mining and quarrying.....	391	165	52	70	92	13
66	C	Manufactured products.....	14,343	9,782	682	947	2,785	148
67	D	Electricity, gas, steam and air conditioning.....	944	419	11	17	432	67
68	E	Water supply; sewerage, waste management and remediation services.....	8,846	3,089	1,946	2,567	1,088	157
69	F	Constructions and construction works.....	8,510	3,089	533	733	4,013	142
70	G	Wholesale and retail trade services; repair services of motor vehicles.....	21,667	9,411	2,151	2,846	6,926	334
71	H	Transportation and storage services.....	31,730	4,117	7,181	9,454	9,380	1,599
72	I	Accommodation and food services.....	652	477	4	12	152	6
73	J	Information and Communication services.....	6,513	3,472	483	642	1,374	543
74	K	Financial and insurance services.....	967	921	7	10	23	6
75	L	Real estate services.....	2,358	1,675	52	74	490	68
76	M	Professional, scientific and technical services.....	19,177	13,143	112	195	4,977	750
77	N	Administrative and support services.....	1,443	837	89	136	326	55
78	O	Public administration and defence services; compulsory social security services.....	3,769	1,508	15	99	1,008	1,139
79	P	Education services.....	390	269	16	22	71	11
80	Q	Human health and social work services.....	1,806	1,590	5	12	159	40
81	R-T	Other services.....	12,486	8,146	320	450	3,120	450
82		All homogeneous branches.....	141,245	62,501	13,748	22,525	36,888	5,583
83		Private households.....	162,760	154,129	-	-	7,664	967
84		All homogeneous branches and private households (residents concept) 3).....	304,004	216,630	13,748	22,525	44,552	6,550
2010								
85	A	Products of agriculture, forestry and fishing.....	5,592	368	92	4,572	498	63
86	B	Mining and quarrying.....	366	150	45	63	95	12
87	C	Manufactured products.....	15,372	10,651	645	932	2,995	149
88	D	Electricity, gas, steam and air conditioning.....	1,046	509	16	25	452	44
89	E	Water supply; sewerage, waste management and remediation services.....	8,212	2,815	1,625	2,224	1,271	277
90	F	Constructions and construction works.....	8,901	3,187	478	686	4,404	145
91	G	Wholesale and retail trade services; repair services of motor vehicles.....	20,728	9,148	1,738	2,388	7,109	345
92	H	Transportation and storage services.....	32,166	4,428	6,842	9,330	9,450	2,114
93	I	Accommodation and food services.....	739	543	5	16	169	7
94	J	Information and Communication services.....	5,508	3,186	467	644	1,079	131
95	K	Financial and insurance services.....	1,144	1,109	1	2	30	3
96	L	Real estate services.....	2,818	1,861	47	71	741	98
97	M	Professional, scientific and technical services.....	20,116	13,643	98	184	5,494	697
98	N	Administrative and support services.....	1,141	731	51	89	242	29
99	O	Public administration and defence services; compulsory social security services.....	4,085	1,708	16	104	1,095	1,163
100	P	Education services.....	410	301	12	17	70	10
101	Q	Human health and social work services.....	2,287	2,008	5	12	216	47
102	R-T	Other services.....	11,671	7,596	256	379	3,046	394
103		All homogeneous branches.....	142,300	63,940	12,439	21,739	38,455	5,728
104		Private households.....	181,827	173,760	-	-	7,222	844
105		All homogeneous branches and private households (residents concept) 3).....	324,127	237,700	12,439	21,739	45,677	6,572
2012⁴⁾								
127	A	Products of agriculture, forestry and fishing.....	6,064	387	91	5,013	495	78
128	B	Mining and quarrying.....	360	152	47	65	84	12
129	C	Manufactured products.....	17,228	12,247	688	982	3,153	158
130	D	Electricity, gas, steam and air conditioning.....	1,333	629	17	27	612	48
131	E	Water supply; sewerage, waste management and remediation services.....	7,834	2,788	1,512	2,051	1,216	266
132	F	Constructions and construction works.....	10,214	3,793	501	711	5,054	155
133	G	Wholesale and retail trade services; repair services of motor vehicles.....	22,814	10,619	1,822	2,482	7,546	345
134	H	Transportation and storage services.....	33,098	4,804	6,827	9,203	10,087	2,176
135	I	Accommodation and food services.....	861	635	5	13	201	7
136	J	Information and Communication services.....	5,600	3,367	436	597	1,074	126
137	K	Financial and insurance services.....	1,365	1,298	1	3	61	3
138	L	Real estate services.....	2,998	2,007	48	72	773	98
139	M	Professional, scientific and technical services.....	20,223	13,901	92	177	5,390	663
140	N	Administrative and support services.....	1,391	929	51	72	302	37
141	O	Public administration and defence services; compulsory social security services.....	4,081	1,741	17	109	1,007	1,207
142	P	Education services.....	454	345	11	16	72	10
143	Q	Human health and social work services.....	2,630	2,309	6	14	243	58
144	R-T	Other services.....	11,397	7,468	236	352	2,965	375
145		All homogeneous branches.....	149,945	69,419	12,407	21,961	40,336	5,822
146		Private households.....	199,011	190,279	-	-	7,854	879
147		All homogeneous branches and private households (residents concept) 3).....	348,956	259,698	12,407	21,961	48,190	6,701

^{*)} Including kilometrage under utilization of bio-diesel.

¹⁾ Statistical Classification of Products by Activity (CPA) of the European Union (2008 Edition).

²⁾ Including buses.

³⁾ Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

⁴⁾ Preliminary results.

Table 11.4.4: Vehicle mileages of gas-diesel oil cars by homogeneous branches^{*)}

mn km

No.	CPA ¹⁾	Homogeneous branches	2002	2003
1	A	Products of agriculture, forestry and fishing.....	477	385
2	B	Mining and quarrying.....	141	104
3	C	Manufactured products.....	5,343	4,564
4	D	Electricity, gas, steam and air conditioning.....	206	201
5	E	Water supply; sewerage, waste management and remediation services.....	1,562	1,314
6	F	Constructions and construction works.....	2,001	1,589
7	G	Wholesale and retail trade services; repair services of motor vehicles	8,033	6,853
8	H	Transportation and storage services.....	995	965
9	I	Accommodation and food services.....	673	580
10	J	Information and Communication services.....	1,972	1,651
11	K	Financial and insurance services.....	611	540
12	L	Real estate services.....	920	876
13	M	Professional, scientific and technical services.....	9,916	8,287
14	N	Administrative and support services.....	378	477
15	O	Public administration and defence services; compulsory social security services.....	1,098	1,036
16	P	Education services.....	107	95
17	Q	Human health and social work services.....	277	1,482
18	R-T	Other services.....	2,387	1,953
19		All homogeneous branches.....	37,096	32,951
20		Private households.....	394,149	385,374
21		All homogeneous branches and private households (residents concept) 4).....	431,246	418,325

*) Including mileages under utilization of bio-ethanol.

1) Statistical Classification of Products by Activity (CPA) of the European Union (2008 Edition).

2) New classification of keeper categories from 01.01.2009 onwards.

3) Preliminary results.

4) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

Table 11.4.4: Vehicle mileages of gas-diesel oil cars by homogeneous branches ^{*)}

mn km

2004	2005	2006	2007	2008 ²⁾	2009 ²⁾	2010	2011 ³⁾	2012 ³⁾	No.
349	298	294	243	245	199	190	182	168	1
89	71	62	46	42	35	33	29	26	2
4,346	3,845	3,710	3,180	2,970	2,818	3,008	3,134	2,974	3
217	196	206	180	203	171	189	202	202	4
1,235	1,071	1,180	1,025	1,074	1,004	943	887	837	5
1,358	1,084	1,104	851	822	732	707	735	739	6
6,595	5,883	5,967	5,292	4,912	5,421	5,808	5,686	5,574	7
971	912	906	771	743	824	840	820	804	8
539	465	455	381	397	389	403	405	402	9
1,516	1,341	1,294	1,081	1,108	929	927	905	880	10
486	393	354	268	248	249	270	277	285	11
850	770	786	668	676	644	667	678	682	12
7,629	6,851	7,023	6,221	6,498	5,499	5,278	5,086	4,922	13
476	405	237	292	305	249	271	277	278	14
949	873	783	711	653	647	598	549	516	15
93	84	85	77	84	84	89	92	94	16
694	1,155	303	833	917	1,034	1,116	1,175	1,224	17
1,761	1,458	1,453	1,241	1,299	1,361	1,295	1,228	1,169	18
30,151	27,157	26,201	23,360	23,195	22,289	22,635	22,347	21,775	19
382,669	363,901	351,502	343,410	337,126	335,103	326,781	326,954	314,730	20
412,820	391,058	377,703	366,770	360,321	357,392	349,416	349,301	336,506	21

Table 11.4.5: Vehicle mileages of motor gasoline cars by homogeneous branches^{*)}

mn km

No.	CPA ¹⁾	Homogeneous branches	2002	2003
1	A	Products of agriculture, forestry and fishing.....	551	482
2	B	Mining and quarrying.....	232	202
3	C	Manufactured products.....	7,560	7,955
4	D	Electricity, gas, steam and air conditioning.....	230	255
5	E	Water supply; sewerage, waste management and remediation services.....	1,961	1,929
6	F	Constructions and construction works.....	3,370	3,089
7	G	Wholesale and retail trade services; repair services of motor vehicles	7,899	8,078
8	H	Transportation and storage services.....	2,521	2,807
9	I	Accommodation and food services.....	374	379
10	J	Information and Communication services.....	2,592	2,700
11	K	Financial and insurance services.....	406	491
12	L	Real estate services.....	822	1,105
13	M	Professional, scientific and technical services.....	8,441	8,336
14	N	Administrative and support services.....	459	638
15	O	Public administration and defence services; compulsory social security services.....	875	1,048
16	P	Education services.....	136	156
17	Q	Human health and social work services.....	212	1,974
18	R-T	Other services.....	6,154	5,900
19		All homogeneous branches.....	44,794	47,525
20		Private households.....	107,521	111,998
21		All homogeneous branches and private households (residents concept) 4).....	152,315	159,523

*) Including kilometrage under utilization of bio-gasoline.

1) Statistical Classification of Products by Activity (CPA) of the European Union (2008 Edition).

2) New classification of keeper categories from 01.01.2009 onwards.

3) Preliminary results.

4) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

Table 11.4.5: Vehicle mileages of motor gasoline cars by homogeneous branches^{*)}

mn km

2004	2005	2006	2007	2008 ²⁾	2009 ²⁾	2010	2011 ³⁾	2012 ³⁾	No.
467	426	442	412	392	356	368	383	387	1
206	191	196	174	165	152	150	149	152	2
9,005	9,087	10,399	10,324	9,782	10,194	10,651	11,517	12,247	3
314	319	367	373	419	438	509	582	629	4
2,147	2,174	2,796	2,848	3,089	2,910	2,815	2,794	2,788	5
3,121	2,918	3,132	2,972	3,089	2,992	3,187	3,548	3,793	6
9,359	9,541	10,648	10,325	9,411	8,640	9,148	10,007	10,619	7
3,271	3,460	4,062	4,137	4,117	4,272	4,428	4,651	4,804	8
416	413	454	452	477	501	543	590	635	9
2,966	3,045	3,402	3,303	3,472	3,081	3,186	3,309	3,367	10
608	675	825	866	921	1,013	1,109	1,215	1,298	11
1,382	1,495	1,754	1,704	1,675	1,807	1,861	1,930	2,007	12
9,125	9,709	11,726	12,204	13,143	13,930	13,643	13,689	13,901	13
795	788	538	774	837	621	731	840	929	14
1,179	1,335	1,517	1,484	1,508	1,588	1,708	1,733	1,741	15
188	204	240	248	269	268	301	325	345	16
1,016	1,792	559	1,415	1,590	1,785	2,008	2,173	2,309	17
6,411	6,377	7,398	7,500	8,146	7,865	7,596	7,487	7,468	18
51,975	53,949	60,454	61,513	62,501	62,412	63,940	66,923	69,419	19
125,614	132,771	144,746	155,333	154,129	163,835	173,760	179,657	190,279	20
177,589	186,721	205,200	216,846	216,630	226,247	237,700	246,580	259,698	21

Table 11.4.6a: Transport performance of trucks^{*)}
mn t-km

A) Transport in own account - trips with cargo load - actual transport performance

No.	18 keeper categories	2002	2003	2004	2005	2006	2007	2008
1	Agriculture, hunting and forestry.....	1,395	1,326	1,273	1,326	1,311	1,456	1,218
2	Fishing.....	-	-	-	-	-	-	-
3	Mining and quarrying.....	1,476	1,392	1,344	1,229	1,276	1,136	1,204
4	Manufacturing.....	10,077	9,481	9,577	9,216	9,294	8,916	9,236
5	Electricity, gas and water supply.....	132	120	136	130	134	165	106
6	Construction work.....	6,761	6,304	6,586	5,894	6,309	6,273	6,322
7	Wholesale and retail trade; repair of motor vehicles, motorcycles.....	15,738	15,725	15,515	14,600	14,853	13,856	13,475
8	Hotel and restaurant industries.....	-	-	-	-	43	-	32
9	Transport, storage and communication.....	3,404	3,558	2,999	3,027	2,594	3,875	7,887
10	Financial intermediation.....	166	95	114	68	68	68	68
11	Real estate, renting and business activities.....	975	1,462	1,546	1,690	2,316	1,981	1,846
12	including: rental services of passenger cars.....	411	539	551	699	835	723	539
13	Public administration and defence; compulsory social security.....	225	158	127	127	127	124	141
14	Education.....	-	-	-	-	-	-	-
15	Health and social work.....	-	-	-	-	-	-	-
16	Other community, social and personal services.....	23,297	20,489	20,789	19,805	21,493	19,599	19,791
17	Extra-territorial organizations and bodies.....	-	-	-	-	-	-	-
18	Employees and economically inactive population.....	5,695	4,772	4,747	4,207	5,168	4,182	3,989
19	Total.....	69,341	64,882	64,753	61,319	64,986	61,630	65,314

B) Commercial transport - trips with cargo load - actual transport performance

No.	18 keeper categories	2002	2003	2004	2005	2006	2007	2008
1	Agriculture, hunting and forestry.....	313	451	590	662	638	713	871
2	Fishing.....	-	-	-	-	-	-	-
3	Mining and quarrying.....	317	226	292	315	256	408	250
4	Manufacturing.....	1,862	2,069	2,149	2,087	2,286	2,803	2,927
5	Electricity, gas and water supply.....	-	-	-	-	-	-	-
6	Construction work.....	1,884	2,456	2,722	2,770	3,120	3,714	3,922
7	Wholesale and retail trade; repair of motor vehicles, motorcycles.....	10,154	12,019	12,141	12,648	13,769	15,711	15,778
8	Hotel and restaurant industries.....	-	-	-	-	-	-	-
9	Transport, storage and communication.....	138,480	145,081	153,294	156,807	165,776	169,499	167,569
10	Financial intermediation.....	-	-	-	-	-	-	-
11	Real estate, renting and business activities.....	3,026	5,389	7,260	7,469	9,684	11,994	10,750
12	including: rental services of passenger cars.....	2,301	3,958	5,229	5,162	6,944	9,115	7,533
13	Public administration and defence; compulsory social security.....	-	-	-	-	-	-	-
14	Education.....	-	-	-	-	-	-	-
15	Health and social work.....	-	-	-	-	-	-	-
16	Other community, social and personal services.....	35,161	34,009	34,885	38,294	41,165	47,849	46,018
17	Extra-territorial organizations and bodies.....	-	-	-	-	-	-	-
18	Employees and economically inactive population.....	23,390	23,995	26,288	27,351	28,001	28,968	27,955
19	Total.....	214,586	225,694	239,620	248,402	264,696	281,660	276,039

C) Good transport of German trucks total - trips with cargo load - actual transport performance

No.	18 keeper categories	2002	2003	2004	2005	2006	2007	2008
1	Agriculture, hunting and forestry.....	1,708	1,777	1,863	1,989	1,949	2,168	2,089
2	Fishing.....	-	-	-	-	-	-	-
3	Mining and quarrying.....	1,793	1,619	1,636	1,544	1,532	1,544	1,454
4	Manufacturing.....	11,939	11,550	11,726	11,303	11,580	11,720	12,163
5	Electricity, gas and water supply.....	132	120	136	130	134	165	106
6	Construction work.....	8,645	8,759	9,308	8,664	9,429	9,987	10,243
7	Wholesale and retail trade; repair of motor vehicles, motorcycles.....	25,893	27,744	27,656	27,247	28,622	29,568	29,253
8	Hotel and restaurant industries.....	-	-	-	-	43	-	32
9	Transport, storage and communication.....	141,884	148,638	156,293	159,834	168,370	173,374	183,528
10	Financial intermediation.....	166	95	114	68	68	68	68
11	Real estate, renting and business activities.....	4,000	6,851	8,806	9,159	12,000	13,975	4,524
12	including: rental services of passenger cars.....	2,711	4,497	5,781	5,861	7,779	9,838	8,072
13	Public administration and defence; compulsory social security.....	225	158	127	127	127	124	141
14	Education.....	-	-	-	-	-	-	-
15	Health and social work.....	-	-	-	-	-	-	-
16	Other community, social and personal services.....	58,458	54,498	55,674	58,099	62,659	67,448	65,809
17	Extra-territorial organizations and bodies.....	-	-	-	-	-	-	-
18	Employees and economically inactive population.....	29,085	28,767	31,036	31,558	33,169	33,150	31,944
19	Total.....	283,927	290,576	304,373	309,721	329,683	343,290	341,353

^{*)} Source: Kraftfahrtbundesamt (Federal Motor Transport Authority).

Table 11.4.6b: Transport performance of trucks ^{*)}
mn t-km

A) Transport in own account - trips with cargo load - actual transport performance

No.	22 keeper categories	2009	2010	2011	2012
1	Agriculture, forestry and fishing.....	1,512	1,254	1,315	1,041
2	Mining and quarrying.....	972	937	876	860
3	Manufacturing.....	8,777	8,312	8,475	7,966
4	Electricity, gas, steam and air conditioning supply.....	94	93	92	98
5	Water supply; sewerage, waste management.....	2,515	1,296	1,224	963
6	Construction.....	5,620	4,355	4,916	4,567
7	Wholesale and retail trade; repair of motor vehicles.....	12,958	10,890	10,808	10,698
8	Transportation and storage.....	6,841	5,023	5,287	4,914
9	Hotel and restaurant industries.....	-	-	-	-
10	Information and communication.....	87	-	-	-
11	Financial and insurance activities.....	-	-	-	-
12	Real estate activities.....	-	-	-	-
13	Professional, scientific and technical activities.....	-	-	-	-
14	Administrative and support service activities.....	1,622	1,399	1,538	1,491
15	Rental services of vehicles.....	-	-	-	-
16	Public administration and defence.....	123	111	101	105
17	Education.....	-	-	-	-
18	Human health and social work activities.....	45	-	-	-
19	Arts, entertainment and recreation services.....	-	-	-	-
20	Other service activities.....	15,158	11,102	10,823	9,782
21	Extra-territorial organizations and bodies.....	-	-	-	-
22	Employees and economically inactive population.....	2,842	2,281	2,298	2,051
23	All branches.....	59,167	47,051	47,751	44,535

B) Commercial transport - trips with cargo load - actual transport performance

No.	22 keeper categories	2009	2010	2011	2012
1	Agriculture, forestry and fishing.....	1,002	1,153	1,182	1,188
2	Mining and quarrying.....	256	416	391	595
3	Manufacturing.....	2,520	3,996	4,612	5,113
4	Electricity, gas, steam and air conditioning supply.....	-	-	-	-
5	Water supply; sewerage, waste management.....	1,189	2,310	2,527	2,414
6	Construction.....	4,247	5,455	6,222	5,734
7	Wholesale and retail trade; repair of motor vehicles.....	13,330	16,951	18,464	17,569
8	Transportation and storage.....	153,688	160,124	167,178	161,719
9	Hotel and restaurant industries.....	-	-	-	-
10	Information and communication.....	292	217	237	205
11	Financial and insurance activities.....	-	-	-	-
12	Real estate activities.....	-	-	-	-
13	Professional, scientific and technical activities.....	-	-	-	-
14	Administrative and support service activities.....	8,305	10,079	10,474	9,640
15	Rental services of vehicles.....	-	-	-	-
16	Public administration and defence.....	-	156	148	182
17	Education.....	-	-	-	-
18	Human health and social work activities.....	-	-	-	-
19	Arts, entertainment and recreation services.....	-	-	-	-
20	Other service activities.....	39,160	39,530	39,099	35,340
21	Extra-territorial organizations and bodies.....	-	-	-	-
22	Employees and economically inactive population.....	24,072	25,212	25,060	22,339
23	All branches.....	248,060	265,598	275,592	262,036

C) Good transport german trucks total - trips with cargo load - actual transport performance

No.	22 keeper categories	2009	2010	2011	2012
1	Agriculture, forestry and fishing.....	2,514	2,407	2,496	2,229
2	Mining and quarrying.....	1,228	1,352	1,267	1,454
3	Manufacturing.....	11,297	12,308	13,087	13,079
4	Electricity, gas, steam and air conditioning supply.....	94	93	92	98
5	Water supply; sewerage, waste management.....	3,704	3,606	3,750	3,377
6	Construction.....	9,867	9,809	11,138	10,301
7	Wholesale and retail trade; repair of motor vehicles.....	26,289	27,840	29,272	28,266
8	Transportation and storage.....	160,529	165,147	172,465	166,633
9	Hotel and restaurant industries.....	-	-	-	-
10	Information and communication.....	378	217	237	205
11	Financial and insurance activities.....	-	-	-	-
12	Real estate activities.....	-	-	-	-
13	Professional, scientific and technical activities.....	-	-	-	-
14	Administrative and support service activities.....	9,927	11,479	12,012	11,131
15	Rental services of vehicles.....	-	-	-	-
16	Public administration and defence.....	123	267	249	287
17	Education.....	-	-	-	-
18	Human health and social work activities.....	45	-	-	-
19	Arts, entertainment and recreation services.....	-	-	-	-
20	Other service activities.....	54,318	50,632	49,922	45,122
21	Extra-territorial organizations and bodies.....	-	-	-	-
22	Employees and economically inactive population.....	26,914	27,494	27,357	24,390
23	All branches.....	307,227	312,649	323,343	306,571

^{*)} Source: Kraftfahrtbundesamt (Federal Motor Transport Authority).

Table 11.5.1: Energy consumption in road transport total by homogeneous branches^{*)}
terajoules

No.	CPA ¹⁾	Homogeneous branches	1995	2000	2001 ²⁾	2002 ²⁾
1	A	Products of agriculture, forestry and fishing.....	49,057	45,076	44,690	44,084
2	B	Mining and quarrying.....	6,126	5,249	4,974	4,129
3	C	Manufactured products.....	72,344	73,033	74,268	70,040
4	D	Electricity, gas, steam and air conditioning.....	2,978	3,003	3,035	3,555
5	E	Water supply; sewerage, waste management and remediation services.....	71,893	73,851	76,075	65,906
6	F	Constructions and construction works.....	59,828	56,753	55,923	53,739
7	G	Wholesale and retail trade services; repair services of motor vehicles and motorcycles.....	131,690	141,247	142,873	137,981
8	H	Transportation and storage services.....	262,787	322,221	331,501	322,265
9	I	Accommodation and food services.....	4,053	4,096	4,277	4,001
10	J	Information and Communication services.....	37,729	43,015	43,965	43,786
11	K	Financial and insurance services.....	3,467	3,341	3,491	3,411
12	L	Real estate services.....	6,243	7,062	7,603	7,362
13	M	Professional, scientific and technical services.....	69,343	82,347	86,948	84,758
14	N	Administrative and support services.....	6,738	6,774	6,904	6,800
15	O	Public administration and defence services; compulsory social security services.....	22,773	23,477	24,051	22,685
16	P	Education services.....	1,110	1,308	1,393	1,565
17	Q	Human health and social work services.....	4,151	4,925	5,164	5,077
18	R-T	Other services.....	76,991	80,911	82,442	54,938
19		All homogeneous branches.....	889,302	977,687	999,578	936,082
20		Private households.....	1,392,266	1,383,990	1,402,440	1,453,488
21		All homogeneous branches and private households (residents concept) 4).....	2,281,567	2,361,678	2,402,018	2,389,570
22		Balance bunkering of diesel fuel 5).....	26,607	46,809	-23,475	-26,828
23		Balance bunkering of motor gasoline 5).....	-42,676	-51,050	-65,145	-70,060
24		All homogeneous branches and private households (domestic concept with biodiesel).....	2,268,507	2,381,988	2,346,954	2,292,683
25		Biodiesel.....	1,504	12,276	16,740	20,460
26		Bioethanol.....	-	-	-	-
27		All homogeneous branches and private households (domestic concept without biodiesel) 6).	2,267,003	2,369,712	2,330,214	2,272,223

*) Including biodiesel consumption, including "unassigned consumption" (see general notes).

1) Statistical Classification of Products by Activity (CPA) of the European Union (2008 Edition).

2) New classification of keeper categories from 01.01.2009 onwards.

3) Preliminary results.

4) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

5) Mileages of non-residents on the territory minus mileages of residents abroad.

6) Figures according the entries in the energy balance sheets for total road transport.

Table 11.5.1: Energy consumption in road transport total by homogeneous branches^{*)}

terajoules

2003	2004	2005	2006	2007	2008 ²⁾	2009 ²⁾	2010	2011 ³⁾	2012 ³⁾	No.
45,240	46,831	48,342	49,781	51,044	51,777	54,727	55,648	58,481	60,406	1
3,423	3,374	3,124	3,081	2,863	2,717	2,416	2,527	2,350	2,535	2
67,879	68,322	65,696	68,103	66,658	64,645	63,752	67,247	69,127	71,907	3
3,709	4,091	4,028	4,341	4,473	4,751	4,370	4,959	5,576	6,084	4
59,574	60,274	61,341	68,570	71,178	71,387	67,161	62,758	61,027	56,701	5
50,348	48,519	45,088	46,915	46,319	46,587	45,430	46,724	49,939	51,692	6
134,907	137,076	134,202	139,665	140,108	134,796	121,326	128,005	130,799	131,788	7
329,274	341,983	342,004	363,203	365,253	360,920	351,275	366,614	369,878	363,169	8
3,786	3,661	3,386	3,417	3,248	3,389	3,457	3,705	3,806	4,013	9
43,394	42,953	40,771	38,533	38,911	39,461	31,139	30,401	30,108	28,996	10
3,384	3,414	3,280	3,472	3,363	3,406	3,483	3,805	4,024	4,420	11
8,835	9,811	10,134	10,934	10,656	10,797	12,271	12,796	13,030	13,227	12
79,005	77,441	77,437	83,340	83,904	87,527	88,768	86,574	86,095	84,137	13
8,080	8,646	8,233	6,034	7,629	7,822	5,214	5,848	5,940	6,436	14
22,457	22,287	22,061	21,981	21,748	21,988	22,711	23,069	22,563	22,755	15
1,519	1,582	1,600	1,696	1,748	1,826	1,670	1,791	1,810	1,868	16
5,619	6,109	6,358	6,589	6,963	7,712	8,713	9,584	10,012	10,715	17
50,690	50,382	48,103	50,803	50,825	52,980	50,857	49,031	48,636	46,539	18
921,125	936,758	925,187	970,460	976,893	974,488	938,740	961,085	973,201	967,389	19
1,435,250	1,454,978	1,412,497	1,369,886	1,360,517	1,326,444	1,328,820	1,331,554	1,345,906	1,329,401	20
2,356,375	2,391,736	2,337,684	2,340,346	2,337,410	2,300,933	2,267,560	2,292,638	2,319,107	2,296,789	21
-54,798	-72,963	-93,031	-76,511	-107,617	-106,163	-103,956	-100,498	-104,000	-99,450	22
-84,288	-94,132	-100,272	-108,149	-102,125	-107,378	-107,107	-113,291	-114,717	-113,642	23
2,217,289	2,224,641	2,144,381	2,155,686	2,127,668	2,087,392	2,056,497	2,078,850	2,100,390	2,083,698	24
29,948	39,846	68,014	130,273	144,263	110,000	89,326	88,794	82,972	85,133	25
-	1,144	6,817	13,418	12,061	16,328	23,691	30,577	32,363	32,847	26
2,187,341	2,183,651	2,069,550	2,011,995	1,971,344	1,961,064	1,943,480	1,959,479	1,985,055	1,965,718	27

Table 11.5.2: Energy consumption by vehicle and fuel types^{*)}
terajoule

No.	Year	Total	Diesel engine		Gasoline engine ¹⁾			
			Diesel ²⁾	Biodiesel	Petrol	Bioethanol	Liquid gas (cars gas)	Natural gas
All homogeneous branches and private households								
1	1995	2,281,705	937,406	1,504	1,342,658	-	138	-
2	1996	2,285,142	944,471	2,046	1,338,510	-	115	-
3	1997	2,293,993	952,193	3,652	1,338,042	-	106	-
4	1998	2,320,859	976,342	4,081	1,340,329	-	106	-
5	1999	2,409,509	1,057,990	5,370	1,346,049	-	100	-
6	2000	2,361,772	1,061,296	12,276	1,288,105	-	94	-
7	2001	2,402,192	1,120,891	16,740	1,264,463	-	98	-
1	2002	2,390,177	1,132,670	20,460	1,236,441	-	607	-
2	2003	2,357,069	1,133,150	29,948	1,193,277	-	694	-
3	2004	2,393,623	1,183,894	39,846	1,166,852	1,144	1,887	-
4	2005	2,340,041	1,170,204	68,014	1,092,649	6,817	2,357	-
5	2006	2,349,397	1,157,672	130,273	1,038,983	13,418	4,605	4,446
6	2007	2,352,197	1,185,979	144,263	995,107	12,061	8,942	5,845
7	2008	2,323,729	1,213,225	110,000	961,380	16,328	15,652	7,144
8	2009	2,299,845	1,218,209	89,326	936,334	23,691	23,842	8,443
9	2010	2,323,229	1,268,561	88,794	904,707	30,577	21,823	8,768
10	2011	2,351,491	1,301,252	82,972	902,520	32,363	23,613	8,771
11	2012	2,329,190	1,323,168	85,133	855,642	32,847	23,532	8,869
including: private households								
12	1995	1,399,790	257,605	294	1,141,774	-	117	-
13	1996	1,421,740	263,065	402	1,158,174	-	100	-
14	1997	1,422,376	253,712	691	1,167,881	-	93	-
15	1998	1,402,598	250,782	743	1,150,982	-	91	-
16	1999	1,430,081	270,469	972	1,158,555	-	86	-
17	2000	1,394,300	268,797	2,085	1,123,335	-	82	-
18	2001	1,413,049	295,174	2,770	1,115,018	-	86	-
19	2002	1,413,049	295,174	2,770	1,115,018	-	86	-
20	2003	1,454,035	334,923	4,967	1,113,598	-	547	-
21	2004	1,435,881	342,606	7,481	1,085,163	-	631	-
22	2005	1,456,705	374,893	11,160	1,067,878	1,047	1,727	-
23	2006	1,414,663	381,962	19,940	1,004,328	6,266	2,166	-
24	2007	1,374,124	364,212	37,203	956,124	12,348	4,238	-
25	2008	1,372,888	384,617	43,315	921,418	11,168	8,280	4,091
26	2009	1,346,364	386,904	33,328	891,079	15,134	14,507	5,412
27	2010	1,357,579	409,102	28,337	869,384	21,997	22,137	6,622
28	2011	1,359,616	437,208	27,648	838,363	28,335	20,223	7,839
29	2012	1,375,944	451,910	26,408	837,554	30,033	21,913	8,125

*) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

1) Without bio-methane.

2) Including "unassigned consumption" (see general notes).

Table 11.5.3: Energy consumption by vehicle categories, gasoline engine
terajoule

No.	CPA ¹⁾	Homogeneous branches	Total	Cars	Trailers and buses	Light duty vehicles	Motorcycles	Other
2002								
1	A	Products of agriculture, forestry and fishing.....	1,663	1,339	163	111	19	31
2	B	Mining and quarrying.....	466	419	0	31	1	14
3	C	Manufactured products.....	16,912	15,824	3	895	68	123
4	D	Electricity, gas, steam and air conditioning.....	737	573	0	137	0	25
5	E	Water supply; sewerage, waste management and remediation services.....	4,895	4,558	1	247	16	73
6	F	Constructions and construction works.....	7,074	5,983	2	963	18	109
7	G	Wholesale and retail trade services; repair services of motor vehicles.....	25,588	23,063	2	2,130	184	209
8	H	Transportation and storage services.....	5,741	2,889	9	2,737	18	88
9	I	Accommodation and food services.....	2,065	1,963	0	90	5	6
10	J	Information and communication services.....	6,176	5,769	3	275	24	105
11	K	Financial and insurance services.....	1,820	1,799	0	13	3	5
12	L	Real estate services.....	2,838	2,740	0	64	11	23
13	M	Professional, scientific and technical services.....	31,074	28,979	4	1,514	109	468
14	N	Administrative and support services.....	1,183	1,101	1	58	4	19
15	O	Public administration and defence services.....	4,213	3,065	7	378	25	738
16	P	Education services.....	334	311	0	16	2	5
17	Q	Human health and social work services.....	2,574	2,490	0	35	12	37
18	R-T	Other services.....	7,489	6,971	3	374	26	115
19		All homogeneous branches.....	122,842	109,838	197	10,069	545	2,193
20		Private households.....	1,113,598	1,086,790	2	2,665	20,985	3,156
21		All homogeneous branches and private households (residents concept) 2).....	1,236,441	1,196,627	199	12,735	21,530	5,349
22		Balance bunkering of fuels 3).....	-70,060	-70,060	-	-	-	-
23		All homogeneous branches and private households (domestic concept).....	1,166,381	1,126,568	199	12,735	21,530	5,349
2004								
24	A	Products of agriculture, forestry and fishing.....	1,298	978	184	86	19	31
25	B	Mining and quarrying.....	297	265	0	23	1	8
26	C	Manufactured products.....	13,698	12,856	3	683	59	97
27	D	Electricity, gas, steam and air conditioning.....	775	604	0	149	1	22
28	E	Water supply; sewerage, waste management and remediation services.....	3,880	3,595	1	209	16	59
29	F	Constructions and construction works.....	4,903	4,096	2	704	17	84
30	G	Wholesale and retail trade services; repair services of motor vehicles.....	20,954	18,813	2	1,787	174	178
31	H	Transportation and storage services.....	5,349	2,824	7	2,429	19	70
32	I	Accommodation and food services.....	1,649	1,568	0	71	5	5
33	J	Information and communication services.....	4,753	4,429	3	218	23	80
34	K	Financial and insurance services.....	1,447	1,433	0	11	3	0
35	L	Real estate services.....	2,628	2,515	0	73	13	28
36	M	Professional, scientific and technical services.....	23,964	22,252	3	1,233	107	369
37	N	Administrative and support services.....	1,496	1,386	1	78	7	24
38	O	Public administration and defence services.....	3,611	2,604	4	341	25	637
39	P	Education services.....	291	268	0	14	6	4
40	Q	Human health and social work services.....	2,541	2,442	0	41	11	46
41	R-T	Other services.....	5,538	5,132	2	292	24	86
42		All homogeneous branches.....	99,071	88,061	213	8,441	529	1,828
43		Private households.....	1,068,925	1,041,597	2	2,356	22,210	2,760
44		All homogeneous branches and private households (residents concept) 2).....	1,167,996	1,129,658	214	10,797	22,739	4,588
45		Balance bunkering of fuels 3).....	-94,132	-94,132	-	-	-	-
46		All homogeneous branches and private households (domestic concept).....	1,073,864	1,035,526	214	10,797	22,739	4,588
2006								
47	A	Products of agriculture, forestry and fishing.....	1,084	791	181	66	17	28
48	B	Mining and quarrying.....	203	178	0	17	1	8
49	C	Manufactured products.....	11,186	10,559	2	501	52	73
50	D	Electricity, gas, steam and air conditioning.....	716	553	0	142	1	19
51	E	Water supply; sewerage, waste management and remediation services.....	3,556	3,302	1	189	18	47
52	F	Constructions and construction works.....	3,742	3,131	1	520	17	72
53	G	Wholesale and retail trade services; repair services of motor vehicles.....	18,177	16,292	1	1,540	217	127
54	H	Transportation and storage services.....	4,796	2,533	7	2,182	20	53
55	I	Accommodation and food services.....	1,334	1,271	0	57	5	2
56	J	Information and communication services.....	3,886	3,626	2	179	23	56
57	K	Financial and insurance services.....	1,024	1,010	0	9	3	2
58	L	Real estate services.....	2,312	2,212	0	69	13	18
59	M	Professional, scientific and technical services.....	21,143	19,665	4	1,077	114	283
60	N	Administrative and support services.....	714	662	1	37	4	10
61	O	Public administration and defence services.....	3,013	2,105	4	311	25	568
62	P	Education services.....	258	236	0	12	8	3
63	Q	Human health and social work services.....	2,405	2,340	0	40	11	13
64	R-T	Other services.....	4,381	4,067	2	229	24	60
65		All homogeneous branches.....	83,929	74,530	208	7,178	570	1,444
66		Private households.....	968,472	943,290	1	2,104	22,705	371
67		All homogeneous branches and private households (residents concept) 2).....	1,052,401	1,017,820	209	9,282	23,276	1,814
68		Balance bunkering of fuels 3).....	-108,149	-108,149	-	-	-	-
69		All homogeneous branches and private households (domestic concept).....	944,252	909,671	209	9,282	23,276	1,814

Table 11.5.3: Energy consumption by vehicle categories, gasoline engine
terajoule

No.	CPA ¹⁾	Homogeneous branches	Total	Cars	Trailers and buses	Light duty vehicles	Motorcycles	Other
2008								
70	A	Products of agriculture, forestry and fishing.....	966	657	219	49	14	27
71	B	Mining and quarrying.....	138	119	0	12	0	6
72	C	Manufactured products.....	8,787	8,335	3	363	25	61
73	D	Electricity, gas, steam and air conditioning.....	710	541	0	151	1	18
74	E	Water supply; sewerage, waste management and remediation services.....	3,186	2,969	1	160	15	42
75	F	Constructions and construction works.....	2,787	2,338	2	373	14	60
76	G	Wholesale and retail trade services; repair services of motor vehicles.....	14,621	13,214	2	1,196	94	116
77	H	Transportation and storage services.....	3,868	2,056	7	1,748	16	42
78	I	Accommodation and food services.....	1,150	1,098	0	46	4	2
79	J	Information and communication services.....	3,284	3,069	2	148	17	47
80	K	Financial and insurance services.....	711	699	0	8	2	2
81	L	Real estate services.....	1,969	1,876	0	67	9	17
82	M	Professional, scientific and technical services.....	19,265	17,984	4	921	96	260
83	N	Administrative and support services.....	906	843	1	44	5	13
84	O	Public administration and defence services.....	2,570	1,715	4	285	22	543
85	P	Education services.....	251	230	0	11	8	2
86	Q	Human health and social work services.....	2,470	2,401	0	44	10	15
87	R-T	Other services.....	3,856	3,594	2	187	19	53
88		All homogeneous branches.....	71,495	63,739	248	5,812	371	1,325
89		Private households.....	906,213	884,576	1	1,667	19,655	314
90		All homogeneous branches and private households (residents concept) 2).....	977,708	948,315	249	7,480	20,025	1,639
91		Balance bunkering of fuels 3).....	-107,378	-107,378	-	-	-	-
92		All homogeneous branches and private households (domestic concept)	870,330	840,937	249	7,480	20,025	1,639
2010								
93	A	Products of agriculture, forestry and fishing.....	900	507	311	40	13	29
94	B	Mining and quarrying.....	106	91	0	9	0	5
95	C	Manufactured products.....	8,595	8,204	4	309	26	52
96	D	Electricity, gas, steam and air conditioning.....	667	503	0	151	1	11
97	E	Water supply; sewerage, waste management and remediation services.....	2,862	2,557	1	206	12	86
98	F	Constructions and construction works.....	2,417	1,999	3	342	15	59
99	G	Wholesale and retail trade services; repair services of motor vehicles.....	16,994	15,469	2	1,286	98	138
100	H	Transportation and storage services.....	4,017	2,289	8	1,661	18	41
101	I	Accommodation and food services.....	1,149	1,096	1	46	4	2
102	J	Information and communication services.....	2,693	2,524	1	127	13	29
103	K	Financial and insurance services.....	755	742	0	9	2	1
104	L	Real estate services.....	1,946	1,817	1	97	9	21
105	M	Professional, scientific and technical services.....	15,385	14,380	4	750	79	172
106	N	Administrative and support services.....	780	734	1	33	4	7
107	O	Public administration and defence services.....	2,337	1,538	6	279	21	492
108	P	Education services.....	260	239	0	10	9	2
109	Q	Human health and social work services.....	2,942	2,856	0	57	10	19
110	R-T	Other services.....	3,781	3,525	3	184	27	42
111		All homogeneous branches.....	68,586	61,070	347	5,596	364	1,209
112		Private households.....	866,698	844,515	1	1,557	20,373	252
113		All homogeneous branches and private households (residents concept) 2).....	935,284	905,584	348	7,153	20,737	1,462
114		Balance bunkering of fuels 3).....	-113,291	-113,291	-	-	-	-
115		All homogeneous branches and private households (domestic concept)	821,993	792,294	348	7,153	20,737	1,462
2 012								
139	A	Products of agriculture, forestry and fishing.....	871	441	351	36	13	31
140	B	Mining and quarrying.....	82	70	0	7	0	4
141	C	Manufactured products.....	8,244	7,878	4	285	29	47
142	D	Electricity, gas, steam and air conditioning.....	701	523	0	165	1	11
143	E	Water supply; sewerage, waste management and remediation services.....	2,483	2,214	1	184	12	72
144	F	Constructions and construction works.....	2,418	2,019	3	325	17	54
145	G	Wholesale and retail trade services; repair services of motor vehicles.....	15,911	14,467	2	1,215	105	121
146	H	Transportation and storage services.....	3,768	2,134	6	1,574	17	36
147	I	Accommodation and food services.....	1,118	1,064	0	47	5	2
148	J	Information and communication services.....	2,488	2,335	1	114	13	25
149	K	Financial and insurance services.....	776	762	0	10	3	1
150	L	Real estate services.....	1,941	1,811	1	101	10	19
151	M	Professional, scientific and technical services.....	13,985	13,082	5	671	80	146
152	N	Administrative and support services.....	782	733	0	37	4	7
153	O	Public administration and defence services.....	2,036	1,298	6	276	22	434
154	P	Education services.....	268	244	0	10	11	2
155	Q	Human health and social work services.....	3,143	3,052	0	62	10	18
156	R-T	Other services.....	3,334	3,105	3	165	26	36
157		All homogeneous branches.....	64,345	57,233	385	5,284	380	1,065
158		Private households.....	824,143	801,284	1	1,489	21,145	224
159		All homogeneous branches and private households (residents concept) 2).....	888,488	858,516	385	6,773	21,525	1,289
160		Balance bunkering of fuels 3).....	-113,642	-113,642	-	-	-	-
161		All homogeneous branches and private households (domestic concept)	774,847	744,875	385	6,773	21,525	1,289

*) Including energy consumption of bioethanol. - 2011 and 2012 preliminary results.

1) Classification of products by activity (CPA) in the European Community (2008 version).

2) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

3) Mileages of non-residents on the territory minus mileages of residents abroad.

Table 11.5.4: Energy consumption by vehicle categories, diesel engine^{*)}
terajoule

No.	CPA ¹⁾	Homogeneous branches	Total	Cars	Trucks ²⁾	Semi-trailer trucks ²⁾ , traction engine	Light duty vehicles	Other ³⁾
2002								
1	A	Products of agriculture, forestry and fishing.....	42,421	1,383	1,147	36,684	2,801	404
2	B	Mining and quarrying.....	3,663	582	1,117	1,051	726	188
3	C	Manufactured products.....	53,128	18,765	8,667	8,578	15,285	1,833
4	D	Electricity, gas, steam and air conditioning.....	2,818	563	119	142	1,331	663
5	E	Water supply; sewerage, waste management and remediation services.....	61,011	4,893	25,808	24,002	4,565	1,742
6	F	Constructions and construction works.....	46,665	8,506	7,030	6,803	22,717	1,609
7	G	Wholesale and retail trade services; repair services of motor vehicles.....	112,393	19,596	29,129	27,185	32,659	3,823
8	H	Transportation and storage services.....	316,524	6,360	126,565	126,340	39,939	17,320
9	I	Accommodation and food services.....	1,936	949	75	69	743	100
10	J	Information and communication services.....	37,609	6,485	8,738	8,183	6,870	7,333
11	K	Financial and insurance services.....	1,591	1,010	184	194	98	105
12	L	Real estate services.....	4,525	2,051	427	427	1,132	488
13	M	Professional, scientific and technical services.....	53,684	21,075	1,445	1,762	21,051	8,351
14	N	Administrative and support services.....	5,617	1,145	1,277	1,374	1,191	630
15	O	Public administration and defence services.....	18,472	2,218	155	1,481	4,552	10,067
16	P	Education services.....	1,231	339	239	227	310	117
17	Q	Human health and social work services.....	2,503	1,536	43	51	374	499
18	R-T	Other services.....	47,449	15,364	5,300	5,245	15,630	5,910
19		All homogeneous branches.....	813,240	112,822	217,465	249,798	171,974	61,181
20		Private households.....	339,890	264,764	-	-	32,987	42,138
21		All homogeneous branches and private households (residents concept) 4).....	1,153,130	377,587	217,465	249,798	204,961	103,319
22		Balance bunkering of fuels 5).....	17,763	-17,930	33,402	-	2,291	-
23		All homogeneous branches and private households (domestic concept)	1,170,893	359,657	250,867	249,798	207,252	103,319
2004								
24	A	Products of agriculture, forestry and fishing.....	45,533	1,183	1,099	40,214	2,540	498
25	B	Mining and quarrying.....	3,077	520	887	962	576	132
26	C	Manufactured products.....	54,624	22,556	7,527	8,532	14,254	1,755
27	D	Electricity, gas, steam and air conditioning.....	3,316	780	109	148	1,597	682
28	E	Water supply; sewerage, waste management and remediation services.....	56,395	5,403	21,763	23,215	4,356	1,658
29	F	Constructions and construction works.....	43,616	7,956	6,475	7,189	20,507	1,488
30	G	Wholesale and retail trade services; repair services of motor vehicles.....	116,122	23,410	27,134	29,025	32,572	3,980
31	H	Transportation and storage services.....	336,634	8,269	127,077	142,868	41,145	17,275
32	I	Accommodation and food services.....	2,012	1,062	62	66	723	100
33	J	Information and communication services.....	38,200	7,471	8,126	8,714	6,578	7,311
34	K	Financial and insurance services.....	1,967	1,530	134	161	99	42
35	L	Real estate services.....	7,183	3,469	577	662	1,754	721
36	M	Professional, scientific and technical services.....	53,477	22,961	1,263	1,751	19,582	7,920
37	N	Administrative and support services.....	7,150	2,000	1,146	1,414	1,774	815
38	O	Public administration and defence services.....	18,677	2,967	76	836	4,488	10,309
39	P	Education services.....	1,292	470	196	215	298	113
40	Q	Human health and social work services.....	3,568	2,222	37	51	510	748
41	R-T	Other services.....	44,844	16,136	4,298	4,877	14,154	5,380
42		All homogeneous branches.....	837,687	130,366	207,985	270,901	167,508	60,927
43		Private households.....	386,053	307,475	-	-	34,146	44,433
44		All homogeneous branches and private households (residents concept) 4).....	1,223,740	437,840	207,985	270,901	201,654	105,360
45		Balance bunkering of fuels 5).....	14,535	-26,894	37,865	-	3,565	-
46		All homogeneous branches and private households (domestic concept)	1,238,275	410,946	245,850	270,901	205,219	105,360
2006								
47	A	Products of agriculture, forestry and fishing.....	48,698	1,098	1,062	43,554	2,502	481
48	B	Mining and quarrying.....	2,879	485	785	939	533	137
49	C	Manufactured products.....	56,917	25,484	6,976	8,685	14,294	1,479
50	D	Electricity, gas, steam and air conditioning.....	3,625	892	96	144	1,855	638
51	E	Water supply; sewerage, waste management and remediation services.....	65,014	6,897	23,674	27,849	5,026	1,568
52	F	Constructions and construction works.....	43,173	7,780	6,174	7,552	20,304	1,363
53	G	Wholesale and retail trade services; repair services of motor vehicles.....	121,489	26,009	26,484	31,226	34,500	3,268
54	H	Transportation and storage services.....	358,406	10,019	128,280	156,889	45,896	17,323
55	I	Accommodation and food services.....	2,083	1,137	73	86	732	55
56	J	Information and communication services.....	34,647	8,386	6,071	7,193	6,704	6,293
57	K	Financial and insurance services.....	2,448	2,040	103	136	103	66
58	L	Real estate services.....	8,622	4,305	664	838	2,162	653
59	M	Professional, scientific and technical services.....	62,197	28,920	1,392	2,115	22,366	7,403
60	N	Administrative and support services.....	5,321	1,327	1,049	1,421	1,076	449
61	O	Public administration and defence services.....	18,968	3,765	71	836	4,776	9,520
62	P	Education services.....	1,438	586	197	238	315	102
63	Q	Human health and social work services.....	4,184	3,169	33	52	638	292
64	R-T	Other services.....	46,422	18,256	4,077	5,095	14,476	4,519
65		All homogeneous branches.....	886,530	150,555	207,263	294,848	178,258	55,606
66		Private households.....	401,415	353,554	-	-	37,921	9,940
67		All homogeneous branches and private households (residents concept) 4).....	1,287,945	504,109	207,263	294,848	216,179	65,545
68		Balance bunkering of fuels 5).....	-48,343	-39,445	-3,594	-	-5,304	-
69		All homogeneous branches and private households (domestic concept)	1,239,602	464,664	203,669	294,848	210,875	65,545

Table 11.5.4: Energy consumption by vehicle categories, diesel engine^{*)}
terajoule

No.	CPA ¹⁾	Homogeneous branches	Total	Cars	Trucks ²⁾	Semi-trailer trucks ²⁾ , traction engine	Light duty vehicles	Other ³⁾
2008								
70	A	Products of agriculture, forestry and fishing.....	50,811	982	1,102	45,871	2,379	477
71	B	Mining and quarrying.....	2,579	409	703	896	462	108
72	C	Manufactured products.....	55,858	24,122	7,082	9,383	13,980	1,291
73	D	Electricity, gas, steam and air conditioning.....	4,040	1,025	87	138	2,168	623
74	E	Water supply; sewerage, waste management and remediation services.....	68,200	7,666	23,797	29,819	5,461	1,458
75	F	Constructions and construction works.....	43,800	7,730	6,379	8,313	20,148	1,229
76	G	Wholesale and retail trade services; repair services of motor vehicles.....	120,175	23,202	26,236	32,959	34,768	3,009
77	H	Transportation and storage services.....	357,052	10,176	121,865	161,462	47,088	16,461
78	I	Accommodation and food services.....	2,239	1,200	68	155	762	54
79	J	Information and communication services.....	36,177	8,603	6,734	8,488	6,898	5,454
80	K	Financial and insurance services.....	2,696	2,284	99	140	117	55
81	L	Real estate services.....	8,828	4,140	677	910	2,459	642
82	M	Professional, scientific and technical services.....	68,262	32,614	1,389	2,245	24,984	7,029
83	N	Administrative and support services.....	6,916	2,076	1,095	1,580	1,638	526
84	O	Public administration and defence services.....	19,419	3,692	76	944	5,061	9,647
85	P	Education services.....	1,575	663	199	256	356	101
86	Q	Human health and social work services.....	5,243	3,967	32	92	796	357
87	R-T	Other services.....	49,124	20,221	3,882	5,165	15,664	4,192
88		All homogeneous branches.....	902,994	154,772	201,504	308,816	185,189	52,713
89		Private households.....	420,231	372,958	-	-	38,475	8,798
90		All homogeneous branches and private households (residents concept) 4).....	1,323,225	527,730	201,504	308,816	223,664	61,511
91		Balance bunkering of fuels 5).....	-89,100	-43,031	-28,723	-	-17,345	-
92		All homogeneous branches and private households (domestic concept)	1,234,125	484,699	172,781	308,816	206,319	61,511
2010								
93	A	Products of agriculture, forestry and fishing.....	54,749	919	1,225	49,573	2,500	532
94	B	Mining and quarrying.....	2,421	372	632	834	476	107
95	C	Manufactured products.....	58,652	26,200	6,777	9,324	15,037	1,314
96	D	Electricity, gas, steam and air conditioning.....	4,293	1,247	148	223	2,267	408
97	E	Water supply; sewerage, waste management and remediation services.....	59,895	6,959	19,202	24,877	6,379	2,478
98	F	Constructions and construction works.....	44,308	7,922	5,525	7,508	22,111	1,242
99	G	Wholesale and retail trade services; repair services of motor vehicles.....	111,011	22,542	21,591	28,078	35,688	3,111
100	H	Transportation and storage services.....	362,597	11,046	120,451	161,859	47,444	21,798
101	I	Accommodation and food services.....	2,555	1,363	79	205	847	62
102	J	Information and communication services.....	27,707	7,840	5,736	7,482	5,416	1,234
103	K	Financial and insurance services.....	3,050	2,758	45	74	151	22
104	L	Real estate services.....	10,850	4,615	663	930	3,721	922
105	M	Professional, scientific and technical services.....	71,189	33,826	1,188	2,071	27,581	6,523
106	N	Administrative and support services.....	5,068	1,803	683	1,097	1,213	271
107	O	Public administration and defence services.....	20,732	4,176	117	1,044	5,499	9,896
108	P	Education services.....	1,531	737	147	199	352	96
109	Q	Human health and social work services.....	6,641	5,016	29	95	1,083	419
110	R-T	Other services.....	45,250	18,836	3,101	4,336	15,290	3,687
111		All homogeneous branches.....	892,498	158,176	187,340	299,808	193,053	54,122
112		Private households.....	464,856	420,925	-	-	36,258	7,673
113		All homogeneous branches and private households (residents concept) 4).....	1,357,354	579,101	187,340	299,808	229,311	61,794
114		Balance bunkering of fuels 5).....	-69,339	-32,273	-26,006	-	-11,060	-
115		All homogeneous branches and private households (domestic concept)	1,288,016	546,828	161,334	299,808	218,252	61,794
2 012								
139	A	Products of agriculture, forestry and fishing.....	59,535	957	1,156	54,294	2,467	661
140	B	Mining and quarrying.....	2,454	372	677	877	421	106
141	C	Manufactured products.....	63,664	29,775	7,135	9,629	15,725	1,399
142	D	Electricity, gas, steam and air conditioning.....	5,384	1,520	145	225	3,054	440
143	E	Water supply; sewerage, waste management and remediation services.....	54,217	6,812	17,123	21,834	6,067	2,381
144	F	Constructions and construction works.....	49,274	9,298	5,758	7,684	25,206	1,327
145	G	Wholesale and retail trade services; repair services of motor vehicles.....	115,877	25,855	21,617	27,682	37,636	3,086
146	H	Transportation and storage services.....	359,402	11,869	120,304	154,461	50,308	22,459
147	I	Accommodation and food services.....	2,895	1,578	78	171	1,001	66
148	J	Information and communication services.....	26,508	8,189	5,153	6,628	5,355	1,183
149	K	Financial and insurance services.....	3,644	3,197	45	75	305	23
150	L	Real estate services.....	11,287	4,926	660	922	3,857	921
151	M	Professional, scientific and technical services.....	70,152	34,085	1,067	1,934	26,884	6,182
152	N	Administrative and support services.....	5,654	2,262	664	875	1,505	348
153	O	Public administration and defence services.....	20,719	4,227	116	1,076	5,024	10,276
154	P	Education services.....	1,600	836	131	176	359	98
155	Q	Human health and social work services.....	7,573	5,718	30	102	1,213	510
156	R-T	Other services.....	43,205	18,310	2,754	3,855	14,788	3,498
157		All homogeneous branches.....	903,043	169,785	184,615	292,501	201,176	54,965
158		Private households.....	505,258	458,125	-	-	39,169	7,964
159		All homogeneous branches and private households (residents concept) 4).....	1,408,301	627,910	184,615	292,501	240,346	62,929
160		Balance bunkering of fuels 5).....	-84,662	-21,530	-48,157	-	-14,975	-
161		All homogeneous branches and private households (domestic concept)	1,323,639	606,380	136,458	292,501	225,370	62,929

*) Including energy consumption of biodiesel. - 2011 and 2012 preliminary results.

1) Classification of products by activity (CPA) in the European Community (2008 version). - 2) Including "unassigned consumption" (see general notes).

3) Including buses. - 4) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

5) Mileages of non-residents on the territory minus mileages of residents abroad.

Table 11.5.5: Energy consumption of motor gasoline cars by homogeneous branches^{*)}
terajoules

No.	CPA ¹⁾	Homogeneous branches	2002	2003
1	A	Products of agriculture, forestry and fishing.....	1,339	1,105
2	B	Mining and quarrying.....	419	317
3	C	Manufactured products.....	15,824	13,848
4	D	Electricity, gas, steam and air conditioning.....	573	572
5	E	Water supply; sewerage, waste management and remediation services.....	4,558	3,913
6	F	Constructions and construction works.....	5,983	4,930
7	G	Wholesale and retail trade services; repair services of motor vehicles.....	23,063	20,058
8	H	Transportation and storage services.....	2,889	2,870
9	I	Accommodation and food services.....	1,963	1,726
10	J	Information and communication services.....	5,769	4,931
11	K	Financial and insurance services.....	1,799	1,629
12	L	Real estate services.....	2,740	2,651
13	M	Professional, scientific and technical services.....	28,979	24,716
14	N	Administrative and support services.....	1,101	1,420
15	O	Public administration and defence services.....	3,065	2,871
16	P	Education services.....	311	281
17	Q	Human health and social work services.....	2,490	2,445
18	R-T	Other services.....	6,971	5,820
19		All homogeneous branches.....	109,838	96,104
20		Private households.....	1,086,790	1,058,029
21		All homogeneous branches and private households (residents concept) 4).....	1,196,627	1,154,133
22		Balance bunkering of fuels 5).....	-70,060	-84,288
23		All homogeneous branches and private households (domestic concept)	1,126,568	1,069,845

*) Including energy consumption of bioethanol.

1) Statistical Classification of Products by Activity (CPA) of the European Union (2008 Edition).

2) New classification of keeper categories from 01.01.2009 onwards.

3) Preliminary results.

4) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

5) Mileages of non-residents on the territory minus mileages of residents abroad.

Table 11.5.5: Energy consumption of motor gasoline cars by homogeneous branches *)
terajoules

2004	2005	2006	2007	2008 ²⁾	2009 ²⁾	2010	2011 ³⁾	2012 ³⁾	No.
978	849	791	663	657	533	507	485	441	1
265	212	178	132	119	97	91	80	70	2
12,856	11,532	10,559	9,134	8,335	7,825	8,204	8,485	7,878	3
604	555	553	487	541	458	503	534	523	4
3,595	3,151	3,302	2,886	2,969	2,746	2,557	2,397	2,214	5
4,096	3,371	3,131	2,486	2,338	2,096	1,999	2,061	2,019	6
18,813	16,976	16,292	14,558	13,214	14,655	15,469	15,061	14,467	7
2,824	2,679	2,533	2,174	2,056	2,271	2,289	2,225	2,134	8
1,568	1,370	1,271	1,073	1,098	1,068	1,096	1,097	1,064	9
4,429	3,956	3,626	3,051	3,069	2,554	2,524	2,452	2,335	10
1,433	1,179	1,010	772	699	695	742	758	762	11
2,515	2,291	2,212	1,888	1,876	1,773	1,817	1,841	1,811	12
22,252	20,193	19,665	17,530	17,984	15,124	14,380	13,807	13,082	13
1,386	1,193	662	823	843	684	734	746	733	14
2,604	2,375	2,105	1,888	1,715	1,674	1,538	1,407	1,298	15
268	246	236	215	230	226	239	244	244	16
2,442	2,338	2,340	2,217	2,401	2,671	2,856	2,990	3,052	17
5,132	4,296	4,067	3,496	3,594	3,743	3,525	3,333	3,105	18
88,061	78,763	74,530	65,473	63,739	60,893	61,070	60,003	57,233	19
1,041,597	983,509	943,290	911,094	884,576	869,327	844,515	844,975	801,284	20
1,129,658	1,062,271	1,017,820	976,567	948,315	930,220	905,584	904,978	858,516	21
-94,132	-100,272	-108,149	-102,125	-107,378	-107,107	-113,291	-114,717	-113,642	22
1,035,526	961,999	909,671	874,442	840,937	823,113	792,294	790,261	744,875	23

Table 11.5.6: Energy consumption of gas-diesel oil cars by homogeneous branches^{*)}
terajoules

No.	CPA ¹⁾	Homogeneous branches	2002	2003
1	A	Products of agriculture, forestry and fishing.....	1,383	1,245
2	B	Mining and quarrying.....	582	521
3	C	Manufactured products.....	18,765	20,409
4	D	Electricity, gas, steam and air conditioning.....	563	650
5	E	Water supply; sewerage, waste management and remediation services.....	4,893	4,964
6	F	Constructions and construction works.....	8,506	8,081
7	G	Wholesale and retail trade services; repair services of motor vehicles.....	19,596	20,708
8	H	Transportation and storage services.....	6,360	7,258
9	I	Accommodation and food services.....	949	986
10	J	Information and communication services.....	6,485	6,958
11	K	Financial and insurance services.....	1,010	1,263
12	L	Real estate services.....	2,051	2,839
13	M	Professional, scientific and technical services.....	21,075	21,456
14	N	Administrative and support services.....	1,145	1,643
15	O	Public administration and defence services.....	2,218	2,643
16	P	Education services.....	339	401
17	Q	Human health and social work services.....	1,536	1,876
18	R-T	Other services.....	15,364	15,187
19		All homogeneous branches.....	112,822	119,088
20		Private households.....	264,764	273,877
21		All homogeneous branches and private households (residents concept) 3).....	377,587	392,965
22		Balance bunkering of fuels 4).....	-17,930	-26,895
23		All homogeneous branches and private households (domestic concept)	359,657	366,070

*) Including energy consumption of biodiesel.

1) Statistical Classification of Products by Activity (CPA) of the European Union (2008 Edition).

2) New classification of keeper categories from 01.01.2009 onwards.

3) Preliminary results.

4) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

5) Mileages of non-residents on the territory minus mileages of residents abroad.

Table 11.5.6: Energy consumption of gas-diesel oil cars by homogeneous branches^{*)}
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2004	2005	2006	2007	2008 ²⁾	2009 ²⁾	2010	2011 ³⁾	2012 ³⁾	No.
1,183	1,087	1,098	1,038	982	887	919	950	957	1
520	486	485	436	409	377	372	386	372	2
22,556	22,926	25,484	25,689	24,122	25,003	26,200	27,199	29,775	3
780	799	892	921	1,025	1,068	1,247	1,296	1,520	4
5,403	5,509	6,897	7,124	7,666	7,178	6,959	7,215	6,812	5
7,956	7,510	7,780	7,523	7,730	7,434	7,922	8,161	9,298	6
23,410	24,011	26,009	25,705	23,202	21,238	22,542	23,388	25,855	7
8,269	8,789	10,019	10,326	10,176	10,601	11,046	11,428	11,869	8
1,062	1,059	1,137	1,148	1,200	1,255	1,363	1,408	1,578	9
7,471	7,719	8,386	8,255	8,603	7,561	7,840	8,136	8,189	10
1,530	1,715	2,040	2,171	2,284	2,508	2,758	2,855	3,197	11
3,469	3,777	4,305	4,247	4,140	4,467	4,615	4,781	4,926	12
22,961	24,606	28,920	30,526	32,614	34,444	33,826	35,048	34,085	13
2,000	1,997	1,327	1,937	2,076	1,527	1,803	1,870	2,262	14
2,967	3,316	3,765	3,671	3,692	3,869	4,176	4,208	4,227	15
470	512	586	614	663	657	737	766	836	16
2,222	2,460	3,169	3,557	3,967	4,445	5,016	5,185	5,718	17
16,136	16,167	18,256	18,767	20,221	19,453	18,836	19,516	18,310	18
130,366	134,445	150,555	153,654	154,772	153,974	158,176	163,796	169,785	19
307,475	322,394	353,554	378,998	372,958	394,822	420,925	431,941	458,125	20
437,840	456,839	504,109	532,651	527,730	548,796	579,101	595,737	627,910	21
-26,894	-30,481	-39,445	-46,617	-43,031	-32,274	-32,273	-25,102	-21,530	22
410,946	426,359	464,664	486,035	484,699	516,523	546,828	570,635	606,380	23

Table 11.6: CO₂ emissions in road transport by fuel type^{*)}

1,000 tonnes

No.	Year	Total	Diesel engine		Gasoline engine ¹⁾			
			Diesel ²⁾	Biodiesel	Petrol	Bioethanol	Liquid gas (cars gas)	Natural gas
All homogeneous branches and private households								
1	1995	166,155	69,368	106	96,671	-	9	-
2	1996	166,416	69,891	145	96,373	-	7	-
3	1997	167,067	70,462	259	96,339	-	7	-
4	1998	169,049	72,249	289	96,504	-	7	-
5	1999	172,508	78,291	380	93,830	-	7	-
6	2000	172,155	78,536	869	92,744	-	6	-
7	2001	175,179	82,946	1,185	91,041	-	6	-
8	2002	174,329	83,818	1,449	89,024	-	39	-
9	2003	171,934	83,853	2,120	85,916	-	45	-
10	2004	174,648	87,608	2,821	84,013	82	123	-
11	2005	170,900	86,595	4,815	78,671	491	153	175
12	2006	171,212	85,668	9,223	74,807	966	299	249
13	2007	171,401	87,762	10,214	71,648	868	581	327
14	2008	169,379	89,779	7,788	69,219	1,176	1,017	400
15	2009	167,616	90,147	6,324	67,416	1,706	1,550	473
16	2010	169,410	93,873	6,287	65,139	2,202	1,418	491
17	2011	171,505	96,293	5,874	64,981	2,330	1,535	491
18	2012	169,555	97,698	6,027	61,438	2,365	1,530	497
including: private households								
18	1995	101,300	19,063	21	82,208	-	8	-
19	1996	102,891	19,467	28	83,389	-	6	-
20	1997	102,918	18,775	49	84,087	-	6	-
21	1998	101,488	18,558	53	82,871	-	6	-
22	1999	101,522	20,015	69	81,432	-	6	-
23	2000	100,925	19,891	148	80,880	-	5	-
24	2001	102,326	21,843	196	80,281	-	6	-
25	2002	105,351	24,784	352	80,179	-	36	-
26	2003	104,055	25,353	530	78,132	-	41	-
27	2004	105,607	27,742	790	76,887	75	112	-
28	2005	102,742	28,265	1,412	72,312	451	141	161
29	2006	99,821	26,952	2,634	68,842	889	275	229
30	2007	99,515	28,462	3,067	66,342	804	538	303
31	2008	97,552	28,631	2,360	64,158	1,090	943	371
32	2009	98,337	30,274	2,006	62,596	1,584	1,439	439
33	2010	98,484	32,353	1,958	60,363	2,040	1,314	455
34	2011	99,659	33,441	1,870	60,305	2,162	1,424	456
35	2012	98,523	35,421	1,883	57,146	2,194	1,419	461

*) Residents concept: including mileages of residents abroad, excluding mileages of non-residents on the territory.

Additional tables regards CO₂ emissions by traffic are assembled in chapter 4 (air emissions) of the "UGR-Table-Report".

Total emissions from transport can slightly deviate from the emissions presented in the air emissions chapter (percentage difference: < 1%) due to an inclusion of other fuels in the air emission accounts and different valuation methods.

1) Without bio-methane.

2) Including "unassigned consumption" (see general notes).

Table 12.1: Ammonia^{*)}

tonnes

No.	Specification	1991	1995	1999	2003	2007	2010
1	Plants.....	114,457	108,011	112,562	118,815	107,182	113,639
2	Cereals.....	79,986	79,047	81,820	87,953	76,026	82,047
3	Winter wheat.....	24,640	26,984	28,204	33,495	30,739	33,141
4	Summer wheat.....	805	286	1,634	1,357	74	604
5	Rye.....	5,243	6,510	6,945	4,071	4,693	5,043
6	Winter barley.....	16,140	15,329	14,054	12,654	12,793	12,680
7	Summer barley.....	5,254	3,524	4,296	4,399	2,605	1,915
8	Oats.....	3,733	2,918	2,618	2,340	1,529	1,146
9	Grain maize.....	23,080	20,563	20,285	25,398	20,575	23,989
10	Other cereals.....	1,091	2,933	3,784	4,238	3,018	3,529
11	Pulses.....	139	344	620	598	287	253
12	Industrial crops.....	21,321	16,159	18,103	18,156	20,991	22,516
13	Rape and turnip rape.....	20,448	14,775	17,085	17,504	19,810	21,564
14	Other oliaginous fruit.....	554	1,384	749	347	241	338
15	Other industrial crops.....	319	0	269	305	940	613
16	Root crops.....	10,557	10,036	9,300	8,960	7,725	6,769
17	New potatoes.....	232	207	173	163	150	148
18	Late potatoes.....	3,459	3,320	3,108	3,053	2,703	2,239
19	Sugar beets.....	6,865	6,508	6,019	5,744	4,872	4,381
20	Vegetables.....	1,374	1,259	1,505	1,810	1,273	1,250
21	Fruits.....	371	410	617	660	274	257
22	Vineland.....	710	756	596	680	607	548
23	Horticulture.....	1,555	477	485	789	1,051	425
24	Fodder plants.....	189,938	173,949	168,142	157,916	163,543	144,525
25	Clover, clover/grass.....	2,321	2,055	1,735	1,378	1,711	1,703
26	Lucerne (Alfalfa).....	846	411	259	195	312	287
27	Grass from fields.....	10,104	8,606	8,817	7,013	11,400	13,820
28	Silage maize.....	62,425	57,420	53,199	49,411	57,683	38,616
29	Other root crops.....	3,888	1,624	721	394	4,016	880
30	Mowing pastures.....	69,577	68,026	70,698	69,481	31,408	32,824
31	Permanent meadows.....	38,146	32,791	29,641	27,036	50,818	55,042
32	Rough pastures, litter meadows.....	2,631	3,016	3,072	3,007	6,194	1,354
33	Regenerative raw materials.....	0	5,130	4,927	5,158	8,101	6,217
34	Rape (as renewable resource).....	0	5,130	4,927	5,158	8,101	6,217
35	Fallow land.....	0	0	0	0	0	0
36	Areas set aside.....	0	0	0	0	0	0
37	Animals.....	289,724	271,906	270,030	261,871	248,886	248,650
38	Dairy cows.....	90,582	93,338	88,261	83,961	76,617	76,606
39	Other cattles.....	64,457	56,342	53,018	47,984	42,445	42,239
40	Beef cow.....	491	383	272	257	200	0
41	Suckler cow husbandry.....	1,203	2,795	3,379	3,199	2,970	2,969
42	Calf breeding.....	2,156	2,095	2,027	1,788	891	1,577
43	Fattened calf.....	318	264	233	206	891	205
44	Heifer breeding.....	24,815	23,968	22,163	19,644	12,548	17,188
45	Fattened calf / young cow.....	14,573	10,393	10,349	9,173	12,669	8,026
46	Fattened bull.....	20,901	16,444	14,593	13,717	12,275	12,273
47	Pigs.....	101,445	88,267	93,743	92,955	89,648	89,635
48	Sow breeding.....	39,570	33,308	34,425	32,962	30,668	30,664
49	Porker (fattened pig).....	61,875	54,959	59,319	59,993	58,980	58,971
50	Poultry.....	27,620	27,506	27,442	28,808	32,257	32,252
51	Young hens.....	2,049	1,543	1,408	1,220	1,287	1,286
52	Laying hens.....	16,743	12,662	11,423	10,069	10,463	10,462
53	Fattened chicken.....	4,816	4,622	5,368	6,900	9,081	9,079
54	Other fattened poultry.....	4,012	8,680	9,242	10,619	11,426	11,425
55	Other animals.....	5,621	6,453	7,567	8,163	7,920	7,919
56	Sheeps.....	1,196	1,151	1,108	1,084	996	996
57	Other mestic animals.....	4,424	5,303	6,459	7,079	6,924	6,923
58	Plants and animals total.....	595,673	559,474	556,147	544,548	528,763	513,457

*) Based on results of the Thünen-Institute, Braunschweig.

Table 12.2: Methane^{*)}
tonnes

No.	Specification	1991	1995	1999	2003	2007	2010
1	Plants.....	-	-	-	-	-	-
2	Cereals.....	-	-	-	-	-	-
3	Winter wheat.....	-	-	-	-	-	-
4	Summer wheat.....	-	-	-	-	-	-
5	Rye.....	-	-	-	-	-	-
6	Winter barley.....	-	-	-	-	-	-
7	Summer barley.....	-	-	-	-	-	-
8	Oats.....	-	-	-	-	-	-
9	Grain maize.....	-	-	-	-	-	-
10	Other cereals.....	-	-	-	-	-	-
11	Pulses.....	-	-	-	-	-	-
12	Industrial crops.....	-	-	-	-	-	-
13	Rape and turnip rape.....	-	-	-	-	-	-
14	Other oliaginous fruit.....	-	-	-	-	-	-
15	Other industrial crops.....	-	-	-	-	-	-
16	Root crops.....	-	-	-	-	-	-
17	New potatoes.....	-	-	-	-	-	-
18	Late potatoes.....	-	-	-	-	-	-
19	Sugar beets.....	-	-	-	-	-	-
20	Vegetables.....	-	-	-	-	-	-
21	Fruits.....	-	-	-	-	-	-
22	Vineland.....	-	-	-	-	-	-
23	Horticulture.....	-	-	-	-	-	-
24	Fodder plants.....	-	-	-	-	-	-
25	Clover, clover/grass.....	-	-	-	-	-	-
26	Lucerne (Alfalfa).....	-	-	-	-	-	-
27	Grass from fields.....	-	-	-	-	-	-
28	Silage maize.....	-	-	-	-	-	-
29	Other root crops.....	-	-	-	-	-	-
30	Mowing pastures.....	-	-	-	-	-	-
31	Permanent meadows.....	-	-	-	-	-	-
32	Rough pastures, litter meadows.....	-	-	-	-	-	-
33	Regenerative raw materials.....	-	-	-	-	-	-
34	Rape (as renewable resource).....	-	-	-	-	-	-
35	Fallow land.....	-	-	-	-	-	-
36	Areas set aside.....	-	-	-	-	-	-
37	Animals.....	1,448,099	1,423,099	1,378,441	1,310,745	1,256,790	1,263,372
38	Dairy cows.....	701,204	708,352	672,459	641,517	613,611	619,661
39	Other cattles.....	586,228	557,350	531,920	489,909	458,674	458,240
40	Beef cow.....	5,449	4,598	3,450	3,438	2,822	0
41	Suckler cow husbandry.....	15,287	38,266	47,345	45,642	45,077	45,313
42	Calf breeding.....	3,700	3,725	3,648	3,261	1,713	3,048
43	Fattened calf.....	545	469	420	375	1,713	396
44	Heifer breeding.....	190,984	200,454	190,361	171,019	115,552	159,129
45	Fattened calf / young cow.....	112,156	86,924	88,893	79,861	116,670	74,309
46	Fattened bull.....	258,106	222,913	197,803	186,312	175,127	176,045
47	Pigs.....	122,207	117,177	131,363	134,712	140,092	140,826
48	Sow breeding.....	18,530	16,550	18,376	18,063	17,609	16,344
49	Porker (fattened pig).....	103,677	100,627	112,988	116,649	122,483	124,482
50	Poultry.....	2,874	2,797	3,101	3,516	4,121	4,142
51	Young hens.....	271	209	193	170	189	190
52	Laying hens.....	1,465	1,238	1,167	1,068	1,133	1,139
53	Fattened chicken.....	611	646	846	1,161	1,582	1,590
54	Other fattened poultry.....	527	703	895	1,118	1,218	1,224
55	Other animals.....	35,586	37,423	39,598	41,092	40,293	40,504
56	Sheeps.....	25,781	25,370	24,741	24,564	23,247	23,368
57	Other mestic animals.....	9,805	12,053	14,856	16,528	17,046	17,135
58	Plants and animals total.....	1,448,099	1,423,099	1,378,441	1,310,745	1,256,790	1,263,372

*) Based on results of the Thünen-Institute, Braunschweig.

Table 12.3: Energy consumption^{*)}
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No.	Specification	1991	1995	1999	2003	2007	2010
1	Plants.....	50,731	48,519	40,512	44,378	57,566	65,426
2	Cereals.....	29,297	29,103	22,746	24,868	32,359	37,011
3	Winter wheat.....	11,084	12,106	9,130	11,250	15,579	18,673
4	Summer wheat.....	380	142	579	515	41	372
5	Rye.....	3,184	3,353	2,612	1,768	3,046	3,339
6	Winter barley.....	6,443	6,408	4,439	4,575	6,771	6,973
7	Summer barley.....	3,959	2,593	2,407	2,295	2,070	1,874
8	Oats.....	1,935	1,328	909	887	819	687
9	Grain maize.....	1,559	1,805	1,365	1,908	2,284	2,966
10	Other cereals.....	755	1,368	1,306	1,670	1,750	2,127
11	Pulses.....	167	470	622	624	452	437
12	Industrial crops.....	7,443	5,226	4,714	5,529	10,092	10,654
13	Rape and turnip rape.....	6,274	4,646	4,037	4,908	7,766	8,807
14	Other oliaginous fruit.....	198	580	246	145	145	192
15	Other industrial crops.....	971	0	432	475	2,181	1,655
16	Root crops.....	5,639	5,391	3,861	3,804	4,847	5,127
17	New potatoes.....	172	147	94	90	123	140
18	Late potatoes.....	2,197	2,092	1,482	1,528	2,007	2,102
19	Sugar beets.....	3,269	3,153	2,285	2,186	2,717	2,885
20	Vegetables.....	4,260	3,557	4,235	4,898	5,144	6,351
21	Fruits.....	1,672	1,763	2,101	2,244	1,415	2,119
22	Vineland.....	2,253	3,009	2,232	2,411	3,257	3,729
23	Horticulture.....	2,124	859	712	1,130	2,255	1,138
24	Fodder plants.....	26,030	26,092	21,636	22,070	26,675	26,732
25	Clover, clover/grass.....	1,585	1,241	851	711	1,267	1,377
26	Lucerne (Alfalfa).....	730	256	128	101	233	240
27	Grass from fields.....	1,465	1,113	923	817	1,963	2,650
28	Silage maize.....	7,281	7,311	5,184	5,376	9,273	6,936
29	Other root crops.....	591	298	101	62	930	196
30	Mowing pastures.....	12,506	14,201	13,421	14,012	8,855	10,811
31	Permanent meadows.....	1,765	1,566	945	907	3,611	4,396
32	Rough pastures, litter meadows.....	107	107	83	85	542	126
33	Regenerative raw materials.....	.	3,810	2,136	2,663	4,570	3,245
34	Rape (as renewable resource).....	.	1,807	1,267	1,540	3,430	2,764
35	Fallow land.....	0	0	0	0	0	0
36	Areas set aside.....	.	2,003	870	1,122	1,141	482
37	Animals.....	68,838	70,273	51,991	57,219	68,930	79,046
38	Dairy cows.....	24,712	26,273	17,822	18,033	23,086	26,455
39	Other cattles.....	19,633	19,522	13,197	13,568	11,411	17,768
40	Beef cow.....	175	147	84	93	103	0
41	Suckler cow husbandry.....	721	1,723	1,794	1,876	2,577	3,082
42	Calf breeding.....	1,229	1,204	452	397	120	490
43	Fattened calf.....	181	152	52	46	120	64
44	Heifer breeding.....	3,676	4,114	2,932	2,976	1,541	3,925
45	Fattened calf / young cow.....	2,159	1,784	1,369	1,390	1,556	1,833
46	Fattened bull.....	11,490	10,398	6,512	6,790	5,393	8,375
47	Pigs.....	19,654	19,506	16,200	19,871	26,311	26,757
48	Sow breeding.....	10,325	9,968	8,215	9,832	12,531	12,134
49	Porker (fattened pig).....	9,330	9,538	7,986	10,039	13,780	14,623
50	Poultry.....	2,982	3,370	3,098	3,980	5,731	6,243
51	Young hens.....	477	429	481	575	759	492
52	Laying hens.....	1,020	896	748	931	1,167	1,156
53	Fattened chicken.....	964	1,119	1,054	1,343	2,085	2,575
54	Other fattened poultry.....	520	926	816	1,131	1,720	2,020
55	Other animals.....	1,856	1,602	1,673	1,768	2,390	1,823
56	Sheeps.....	1,454	1,072	1,298	1,389	1,833	1,187
57	Other mestic animals.....	402	530	376	379	557	636
58	Plants and animals total.....	147,722	149,554	116,987	127,459	159,996	175,588

^{*)} Based on results of the Thünen-Institute, Braunschweig.

Table 12.4: Direct and embodied load of agricultural products total^{*)}

No.	Specification	Unit	1991	1995	1999	2003	2007	2010
1	Market fruit							
2	Works.....	AkE 1)	391,560	251,547	271,977	271,515	259,925	259,679
3	CO2 equivalents.....	t	24,215,051	22,325,733	22,464,049	21,332,931	21,838,121	24,660,308
4	Area.....	ha	8,189,549	8,209,631	7,921,559	8,420,120	8,157,527	8,340,586
5	Ammonia.....	t	97,365	92,054	98,494	100,348	97,905	113,176
6	Energy input.....	TJ	46,478	45,653	37,345	41,326	56,201	63,305
7	Meat							
8	Works.....	AkE 1)	296,240	188,591	145,196	137,992	113,999	133,349
9	CO2 equivalents.....	t	29,714,580	25,858,080	26,371,067	25,690,977	25,778,953	26,964,563
10	Area.....	ha	4,482,238	3,891,166	4,429,505	4,362,732	4,308,575	4,524,378
11	Ammonia.....	t	277,359	235,286	244,818	244,533	233,932	234,979
12	Energy input.....	TJ	59,145	55,897	44,616	50,393	59,778	68,301
13	Milk							
14	Works.....	AkE 1)	319,506	250,876	188,653	172,232	148,357	146,239
15	CO2 equivalents.....	t	31,147,476	33,770,806	31,591,894	29,584,356	29,000,498	26,079,040
16	Area.....	ha	4,257,827	4,855,680	4,467,362	4,100,354	4,174,101	3,552,124
17	Ammonia.....	t	201,709	216,920	200,133	188,038	181,633	153,359
18	Energy input.....	TJ	40,380	46,503	33,673	34,069	41,105	41,945
19	Eggs							
20	Works.....	AkE 1)	10,994	7,385	6,474	6,599	6,115	6,070
21	CO2 equivalents.....	t	511,550	388,516	445,061	482,111	432,454	422,852
22	Area.....	ha	121,216	88,444	128,713	146,255	123,396	119,923
23	Ammonia.....	t	19,240	15,213	12,701	11,628	11,602	11,611
24	Energy input.....	TJ	1,720	1,501	1,352	1,672	2,052	1,962

*) Based on results of the Thünen-Institute, Braunschweig.

1) AkE ("Arbeitskräfteeinsatz") calculated as units of work per product by full time employment. Part time employment is converted in fulltime employment.

Table 12.5: Direct and embodied load of agricultural products by unit^{*)}

No.	Specification	Unit	1991	1995	1999	2003	2007	2010
1	Wheat							
2	Works 1).....	AkE/t	3.2	2.3	1.9	2.2	2.0	2.3
3	CO2 equivalents.....	kg/t	512	473	449	478	426	476
4	Area.....	ha/t	0.15	0.15	0.15	0.16	0.15	0.17
5	Ammonia.....	kg/t	1.6	1.6	1.6	1.9	1.5	1.7
6	Nitrogen dioxide.....	kg/t	2,054	2,068	2,245	2,075	2,076	2,357
7	Energy input.....	MJ/t	700	712	514	626	781	936
8	Pork							
9	Works 1).....	AkE/t	44	32	26	25	23	24
10	CO2 equivalents.....	kg/t	1,899	1,941	1,831	1,891	1,874	2,079
11	Area.....	ha/t	0.30	0.32	0.30	0.33	0.30	0.34
12	Ammonia.....	kg/t	31	29	29	28	26	28
13	Nitrogen dioxide.....	kg/t	18,204	18,320	17,696	16,550	18,975	18,397
14	Energy input.....	MJ/t	6,529	6,880	5,240	6,175	7,849	8,550
15	Cow milk							
16	Works 1).....	AkE/t	27	19	14	13	11	10
17	CO2 equivalents.....	kg/t	1,301	1,276	1,184	1,095	1,108	907
18	Area.....	ha/t	0.18	0.18	0.17	0.15	0.16	0.12
19	Ammonia.....	kg/t	8.4	8.2	7.5	7.0	6.9	5.3
20	Nitrogen dioxide.....	kg/t	9,931	9,139	8,867	8,097	8,257	6,718
21	Energy input.....	MJ/t	1,687	1,757	1,262	1,261	1,570	1,459
22	Eggs							
23	Works 1).....	AkE/t	32	18	16	15	15	17
24	CO2 equivalents.....	kg/t	752	482	546	560	542	598
25	Area.....	ha/t	0.18	0.11	0.16	0.17	0.15	0.17
26	Ammonia.....	kg/t	28	19	16	14	15	16
27	Nitrogen dioxide.....	kg/t	11,024	8,340	8,901	8,265	9,613	9,235
28	Energy input.....	MJ/t	2,528	1,860	1,661	1,943	2,572	2,774

*) Based on results of the Thünen-Institute, Braunschweig.

1) AkE ("Arbeitskräfteeinsatz") calculated as units of work per product by full time employment. Part time employment is converted in fulltime employment.

Table 13.1: Forest balance: area

1,000 hectares

No.	Specification	1993	1994	1995	1996	1997	1998	1999	2000
		total							
1	Opening stock.....	10,808	10,837	10,867	10,897	10,923	10,949	10,974	11,000
2	Change due to economic activities.....								
3	Afforestation.....	10	9	10	7	6	5	6	6
4	Deforestation.....	-2	-1	-2	-2	-2	-2	-2	-2
5	Other changes.....								
6	Succession.....	22	22	22	22	22	22	22	22
7	Natural colonisation.....								
8	National regression.....								
9	Change in use/status.....								
10	Closing stock.....	10,837	10,867	10,897	10,923	10,949	10,974	11,000	11,025
		available for wood supply							
11	Opening stock.....	10,444	10,472	10,501	10,529	10,554	10,579	10,603	10,627
12	Change due to economic activities.....								
13	Afforestation.....	10	9	10	7	6	5	6	6
14	Deforestation.....	-2	-1	-2	-2	-2	-2	-2	-2
15	Other changes.....								
16	Succession.....	22	22	22	22	22	22	22	22
17	Natural colonisation.....								
18	National regression.....								
19	Change in use/status.....	-1	-1	-1	-1	-1	-1	-1	-1
20	Closing stock.....	10,472	10,501	10,529	10,554	10,579	10,603	10,627	10,651
		not available for wood supply							
21	Opening stock.....	364	365	366	368	369	370	371	373
22	Change due to economic activities.....								
23	Afforestation.....								
24	Deforestation.....								
25	Other changes.....								
26	Succession.....								
27	Natural colonisation.....								
28	National regression.....								
29	Change in use/status.....	1	1	1	1	1	1	1	1
30	Closing stock.....	365	366	368	369	370	371	373	374

1) Preliminary results

Table 13.1: Forest balance: area

1,000 hectares

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 ¹⁾	No.
total													
11,025	11,051	11,076	11,100	11,124	11,146	11,167	11,189	11,210	11,228	11,241	11,256	11,272	1
													2
7	4	4	4	5	4	4	4	3	3	3	3	3	3
-2	-1	-2	-2	-2	-1	-1	-2	-2	-2	-2	-2	-2	4
													5
22	22	22	22	19	19	19	19	17	11	14	14	14	6
													7
													8
													9
11,051	11,076	11,100	11,124	11,146	11,167	11,189	11,210	11,228	11,241	11,256	11,272	11,287	10
available for wood supply													
10,651	10,676	10,699	10,723	10,739	10,745	10,761	10,783	10,804	10,822	10,736	10,751	10,766	11
													12
7	4	4	4	5	4	4	4	3	3	3	3	3	13
-2	-1	-2	-2	-2	-1	-1	-2	-2	-2	-2	-2	-2	14
													15
22	22	22	22	19	19	19	19	17	11	14	14	14	16
													17
													18
-1	-1	-	-8	-16	-5	-	-	-	-100	-	-	-	19
10,676	10,699	10,723	10,739	10,745	10,761	10,783	10,804	10,822	10,736	10,751	10,766	10,782	20
not available for wood supply													
374	375	376	376	385	400	406	406	406	406	506	506	506	21
													22
													23
													24
													25
													26
													27
													28
1	1	-	8	16	5	-	-	-	100	-	-	-	29
375	376	376	385	400	406	406	406	406	506	506	506	506	30

Table 13.2: Forest balance: wood supply (physical)mn m³ over bark

No.	Specification	1993	1994	1995	1996	1997	1998	1999	2000	2001
		total								
1	Opening stock.....	2,936	2,991	3,043	3,095	3,146	3,195	3,242	3,291	3,320
2	Gross increment.....	122	122	122	123	123	123	123	124	124
3	Total removals.....	-51	-54	-55	-55	-58	-59	-58	-75	-59
4	Other changes.....	-16	-16	-16	-16	-17	-17	-17	-20	-17
5	Change in use/status.....	–	–	–	–	–	–	–	–	–
6	Closing stock.....	2,991	3,043	3,095	3,146	3,195	3,242	3,291	3,320	3,368
		available for wood supply								
7	Opening stock.....	2,885	2,938	2,988	3,038	3,087	3,134	3,180	3,226	3,253
8	Gross increment.....	120	120	120	121	121	121	121	122	122
9	Total removals.....	-51	-54	-55	-55	-58	-59	-58	-75	-59
10	Other changes.....	-15	-15	-16	-16	-16	-16	-16	-19	-16
11	Change in use/status.....	-0	-0	-0	-0	-0	-0	-0	-0	-0
12	Closing stock.....	2,938	2,988	3,038	3,087	3,134	3,180	3,226	3,253	3,299
		not available for wood supply								
13	Opening stock.....	51	53	55	57	59	61	63	65	67
14	Gross increment.....	2	2	2	2	2	2	2	2	2
15	Total removals.....	–	–	–	–	–	–	–	–	–
16	Other changes.....	-0	-0	-0	-0	-1	-1	-1	-1	-1
17	Change in use/status.....	0	0	0	0	0	0	0	0	0
18	Closing stock.....	53	55	57	59	61	63	65	67	69

1) Preliminary results.

Table 13.2: Forest balance: wood supply (physical)mn m³ over bark

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 ¹⁾	No.
total												
3,368	3,414	3,444	3,464	3,491	3,504	3,508	3,527	3,550	3,565	3,579	3,596	1
124	114	114	114	114	115	113	113	113	114	114	114	2
-61	-66	-74	-74	-87	-96	-80	-77	-85	-85	-83	-84	3
-17	-18	-19	-14	-14	-15	-14	-13	-14	-14	-14	-14	4
-	-	-	-	-	-	-	-	-	-	-	-	5
3,414	3,444	3,464	3,491	3,504	3,508	3,527	3,550	3,565	3,579	3,596	3,612	6
available for wood supply												
3,299	3,344	3,372	3,388	3,408	3,418	3,420	3,438	3,459	3,440	3,452	3,466	7
122	112	112	112	112	112	111	111	111	110	110	111	8
-61	-66	-74	-74	-87	-96	-80	-77	-85	-85	-83	-84	9
-17	-18	-19	-13	-13	-14	-13	-13	-13	-13	-13	-13	10
-0	-	-3	-5	-2	-	-	-	-32	-	-	-	11
3,344	3,372	3,388	3,408	3,418	3,420	3,438	3,459	3,440	3,452	3,466	3,480	12
not available for wood supply												
69	71	72	76	83	86	88	89	91	125	127	129	13
2	2	2	2	2	2	2	2	2	3	3	3	14
-	-	-	-	-	-	-	-	-	-	-	-	15
-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	16
0	-	3	5	2	-	-	-	32	-	-	-	17
71	72	76	83	86	88	89	91	125	127	129	132	18

Table 13.3: Forest balance: wood supply (monetary)

EUR mn

No.	Specification	1993	1994	1995	1996	1997	1998	1999	2000
		total							
1	Opening stock.....	40,684	37,913	37,116	33,911	34,211	34,690	38,867	40,682
2	Gross increment.....	1,995	1,917	1,725	1,716	1,711	1,892	1,958	1,730
3	Total removals.....	-856	-856	-783	-783	-821	-916	-942	-1,067
4	Other changes.....	-251	-246	-224	-223	-229	-255	-263	-271
5	Change in use/status.....	-6	-6	-5	-5	-5	-6	-6	-6
6	Change in classification.....	-	-	-	-	-	-	-	-
7	Revaluation.....	-3,653	-1,606	-3,918	-405	-176	3,461	1,069	-4,184
8	Closing stock.....	37,913	37,116	33,911	34,211	34,690	38,867	40,682	36,885
		available for wood supply							
9	Opening stock.....	40,684	37,913	37,116	33,911	34,211	34,690	38,867	40,682
10	Gross increment.....	1,995	1,917	1,725	1,716	1,711	1,892	1,958	1,730
11	Total removals.....	-856	-856	-783	-783	-821	-916	-942	-1,067
12	Other changes.....	-251	-246	-224	-223	-229	-255	-263	-271
13	Change in use/status.....	-6	-6	-5	-5	-5	-6	-6	-6
14	Change in classification.....	-	-	-	-	-	-	-	-
15	Revaluation.....	-3,653	-1,606	-3,918	-405	-176	3,461	1,069	-4,184
16	Closing stock.....	37,913	37,116	33,911	34,211	34,690	38,867	40,682	36,885
		not available for wood supply							
17	Opening stock.....	x	x	x	x	x	x	x	x
18	Gross increment.....	x	x	x	x	x	x	x	x
19	Total removals.....	-	-	-	-	-	-	-	-
20	Other changes.....	x	x	x	x	x	x	x	x
21	Change in use/status.....	-	-	-	-	-	-	-	-
22	Change in classification.....	x	x	x	x	x	x	x	x
23	Revaluation.....	x	x	x	x	x	x	x	x
24	Closing stock.....	x	x	x	x	x	x	x	x

Table 13.3: Forest balance: wood supply (monetary)

EUR mn

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	No.	
total													
36,885	35,369	34,629	32,725	30,337	34,999	40,824	47,660	53,023	56,995	62,764	68,305	1	
1,671	1,614	1,373	1,259	1,354	1,546	1,796	1,986	2,132	2,349	2,524	2,804	2	
-806	-802	-809	-832	-893	-1,202	-1,536	-1,437	-1,474	-1,790	-1,953	-2,113	3	
-225	-221	-216	-213	-158	-186	-227	-232	-244	-282	-305	-335	4	
-5	-5	-	-30	-60	-24	-	-	-	-675	-	-	5	
-	-	-	-	-	-	-	-	-	-	-	-	6	
-2,151	-1,326	-2,252	-2,571	4,419	5,691	6,804	5,047	3,558	6,168	5,275	7,263	7	
35,369	34,629	32,725	30,337	34,999	40,824	47,660	53,023	56,995	62,764	68,305	75,923	8	
available for wood supply													
36,885	35,369	34,629	32,725	30,337	34,999	40,824	47,660	53,023	56,995	62,764	68,305	9	
1,671	1,614	1,373	1,259	1,354	1,546	1,796	1,986	2,132	2,349	2,524	2,804	10	
-806	-802	-809	-832	-893	-1,202	-1,536	-1,437	-1,474	-1,790	-1,953	-2,113	11	
-225	-221	-216	-213	-158	-186	-227	-232	-244	-282	-305	-335	12	
-5	-5	-	-30	-60	-24	-	-	-	-675	-	-	13	
-	-	-	-	-	-	-	-	-	-	-	-	14	
-2,151	-1,326	-2,252	-2,571	4,419	5,691	6,804	5,047	3,558	6,168	5,275	7,263	15	
35,369	34,629	32,725	30,337	34,999	40,824	47,660	53,023	56,995	62,764	68,305	75,923	16	
not available for wood supply													
x	x	x	x	x	x	x	x	x	x	x	x	x	17
x	x	x	x	x	x	x	x	x	x	x	x	x	18
-	-	-	-	-	-	-	-	-	-	-	-	-	19
x	x	x	x	x	x	x	x	x	x	x	x	x	20
-	-	-	-	-	-	-	-	-	-	-	-	-	21
x	x	x	x	x	x	x	x	x	x	x	x	x	22
x	x	x	x	x	x	x	x	x	x	x	x	x	23
x	x	x	x	x	x	x	x	x	x	x	x	x	24

Table 13.4: Economic accounts for forestry and logging^{*)}

EUR mn

No.	Specification	2006	2007	2008	2009	2010	2011	2012 ¹⁾
1	Forestry goods input.....	4,127	5,134	4,774	4,391	4,377	5,681	6,352
2	Net annual increment of standing timber in cultivated forests.....	1,295	1,536	1,703	1,822	1,346	2,139	2,381
3	Saw logs.....	2,064	2,655	2,129	1,663	2,017	2,408	2,734
4	Fuel wood.....	302	374	370	381	473	472	500
5	Pulp wood.....	407	508	504	445	474	590	669
6	Small-diameter timber and stumps.....	-	-	-	-	-	-	-
7	Own account afforestation and reafforestation.....	-	-	-	-	-	-	-
8	Other forestry products.....	59	62	68	80	67	72	68
9	Cork.....	-	-	-	-	-	-	-
10	Forestry and nursery plants.....	-	-	-	-	-	-	-
11	Other forestry products.....	59	62	68	80	67	72	68
12	Forestry services products.....	636	835	713	715	703	833	792
13	Afforestation and reafforestation.....	-	-	-	-	-	-	-
14	Other services related to forestry and logging.....	636	835	713	715	703	833	792
15	Forestry output at basic prices.....	4,762	5,970	5,487	5,106	5,080	6,513	7,144
16	Non-forestry secondary activities (inseparable).....	26	38	58	47	42	58	43
17	Output of the forestry 'industry' at basic prices.....	4,788	6,008	5,545	5,154	5,122	6,571	7,187
18	Total intermediate consumption.....	2,857	3,457	3,257	3,319	3,587	4,078	4,208
19	Timber removed by logging.....	1,164	1,504	1,395	1,423	1,731	1,883	2,038
20	Plants.....	49	56	61	61	59	70	61
21	Energy, lubricants.....	213	244	242	229	225	264	268
22	Fertilisers and soil improvers.....	13	14	17	17	17	20	17
23	Plant protection products and pesticides.....	7	7	9	9	8	10	8
24	Maintenance of materials.....	140	166	162	173	174	189	203
25	Maintenance of buildings.....	129	172	151	148	149	173	162
26	Forestry service outputs.....	636	835	713	715	703	833	792
27	Financial intermediation services indirectly measured (FISIM).....	-	-	-	-	-	-	-
28	Other goods and services.....	507	457	505	544	522	636	659
29	Gross value added at basic prices.....	1,931	2,551	2,288	1,835	1,535	2,493	2,979
30	Fixed capital consumption.....	232	248	231	234	219	300	284
31	Afforestation and reafforestation.....	-	-	-	-	-	-	-
32	Equipment and buildings.....	232	248	231	234	219	300	284
33	Other.....	-	-	-	-	-	-	-
34	Net value added at basic prices.....	1,699	2,303	2,057	1,601	1,316	2,193	2,695
35	Other taxes on production.....	45	72	73	84	74	83	65
36	Other subsidies on production.....	46	25	63	117	53	44	39
37	Factor income.....	1,700	2,257	2,048	1,633	1,295	2,155	2,669
38	Compensation of employees.....	1,177	983	1,156	1,038	936	945	956
39	Operating surplus / mixed income.....	523	1,274	891	595	358	1,210	1,712
40	Rents and other real estate rental charges payable.....	-8	-8	-8	-9	-7	-8	-8
41	Interest payable.....	-33	-36	-60	-52	-49	-53	-60
42	Interest receivable.....	26	38	58	47	42	58	43
43	Entrepreneurial income.....	508	1,268	881	582	343	1,207	1,687
44	Gross fixed capital formation (excluding deductible VAT).....	229	222	228	201	172	220	226
45	Afforestation and reafforestation.....	0	0	0	0	0	0	0
46	Equipment and buildings.....	226	218	224	197	169	216	222
47	Other.....	3	4	4	4	3	4	4
48	Net fixed capital formation (excluding deductible VAT).....	-3	-26	-2	-33	-47	-80	-58
49	Change in inventories.....	130	31	307	399	-385	256	343
50	of which: work in progress.....	130	31	307	399	-385	256	343
51	Capital transfer.....	-	-	-	-	-	-	-
52	Labour input (in 1,000 AWU) 2).....	49	46	43	39	39	40	39

*) Due to methodical changes by Eurostat the former tables for the year 2001 to 2005 are not continued, the distinction between forestry and logging was eliminated.

1) Preliminary results.

2) AWU (Annual Work Units) are full-time equivalents of employment. One AWU corresponds to a full-time job of 1,800 hours per year and person.

Table 13.5.1: Supply-use physical tableUnits in accordance with tables of IEAAF⁹⁾

No.	Product	Unit	Use							Together
			Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	
2001										
1	Standing timber.....	mn m ³ over bark	58.8							58.8
2	Saw logs.....	mn m ³		31.0						31.0
3	Fuel wood.....	mn m ³							1.5	1.5
4	Pulp wood.....	mn m ³			5.2					5.2
5	Sawnwood and wood-based panels	mn m ³		20.3						12.6
6	Other wood products.....	mn m ³								19.0
7	Pulp	mn tonnes				14.9				14.9
8	Paper.....	mn tonnes					9.1	0.0	9.4	18.5
9	Wood waste as a product.....	mn tonnes		15.7	2.2					17.9
10	Paper waste as a product.....	mn tonnes			11.5			0.1		11.6
2002										
11	Standing timber.....	mn m ³ over bark	60.7							60.7
12	Saw logs.....	mn m ³		32.4						32.4
13	Fuel wood.....	mn m ³							1.6	1.6
14	Pulp wood.....	mn m ³			4.1					4.1
15	Sawnwood and wood-based panels	mn m ³		20.0						11.9
16	Other wood products.....	mn m ³								18.6
17	Pulp	mn tonnes				15.5				15.5
18	Paper.....	mn tonnes					8.6	0.0	9.6	18.2
19	Wood waste as a product.....	mn tonnes		14.0	2.3					16.2
20	Paper waste as a product.....	mn tonnes			12.0			0.1		12.1
2003										
21	Standing timber.....	mn m ³ over bark	65.8							65.8
22	Saw logs.....	mn m ³		35.5						35.5
23	Fuel wood.....	mn m ³							2.3	2.3
24	Pulp wood.....	mn m ³			4.4					4.4
25	Sawnwood and wood-based panels	mn m ³		20.9						12.7
26	Other wood products.....	mn m ³								19.6
27	Pulp	mn tonnes				16.1				16.1
28	Paper.....	mn tonnes					9.0	0.0	9.8	18.8
29	Wood waste as a product.....	mn tonnes		14.2	2.2					16.4
30	Paper waste as a product.....	mn tonnes			12.4			0.1		12.5
2004										
31	Standing timber.....	mn m ³ over bark	73.9							73.9
32	Saw logs.....	mn m ³		38.7						38.7
33	Fuel wood.....	mn m ³							2.5	2.5
34	Pulp wood.....	mn m ³			4.5					4.5
35	Sawnwood and wood-based panels	mn m ³		21.3						14.0
36	Other wood products.....	mn m ³								18.5
37	Pulp	mn tonnes				17.8				17.8
38	Paper.....	mn tonnes					9.7	0.0	9.7	19.4
39	Wood waste as a product.....	mn tonnes		15.6	2.5					18.1
40	Paper waste as a product.....	mn tonnes			13.2			0.1		13.3
2005										
41	Standing timber.....	mn m ³ over bark	82.9							82.9
42	Saw logs.....	mn m ³		39.9						39.9
43	Fuel wood.....	mn m ³							8.2	8.2
44	Pulp wood.....	mn m ³			6.6					6.6
45	Sawnwood and wood-based panels	mn m ³		21.6						13.8
46	Other wood products.....	mn m ³								18.5
47	Pulp	mn tonnes				18.9				18.9
48	Paper.....	mn tonnes					9.6	0.0	10.2	19.7
49	Wood waste as a product.....	mn tonnes		16.5	2.8					19.3
50	Paper waste as a product.....	mn tonnes			14.4			0.2		14.6
2006										
51	Standing timber.....	mn m ³ over bark	87.1							87.1
52	Saw logs.....	mn m ³		42.2						42.2
53	Fuel wood.....	mn m ³							8.5	8.5
54	Pulp wood.....	mn m ³			6.9					6.9
55	Sawnwood and wood-based panels	mn m ³		22.8						14.6
56	Other wood products.....	mn m ³								19.6
57	Pulp	mn tonnes				19.0				19.0
58	Paper.....	mn tonnes					9.9	0.0	10.7	20.6
59	Wood waste as a product.....	mn tonnes		15.0	2.8					17.9
60	Paper waste as a product.....	mn tonnes			15.2			0.2		15.4

Table 13.5.1: Supply-use physical tableUnits in accordance with tables of IEEAF³⁾

Use			Total	Supply										No.
Final consumption	Capital formation	Exports		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Imports		
2001														
	46.3		105.1	105.1							105.1		1	
		3.8	34.7	31.2					0.0	31.2	3.5		2	
9.5		0.0	11.0	10.9					0.0	10.9	0.1		3	
		1.2	6.4	6.3					0.0	6.3	0.0		4	
0.0	0.0	8.7	41.6		32.4					32.4	9.2		5	
0.0	0.0	1.8	20.8		16.3					16.3	4.6		6	
		0.5	15.4			11.6				11.6	3.8		7	
0.0		8.8	27.3			0.0	17.9			17.9	9.4		8	
		2.0	19.9		17.7					19.1	0.9		9	
		3.9	15.5				1.1	0.0	12.8	0.0	13.9	1.6	10	
2002														
	44.4		105.1	105.1							105.1		11	
		3.9	36.2	33.5					0.0	33.5	2.7		12	
9.7		0.0	11.3	11.2					0.0	11.2	0.1		13	
		1.1	5.2	5.2					0.0	5.2	0.0		14	
0.0	0.0	10.4	42.4		33.3					33.3	9.0		15	
0.0	0.0	2.2	20.8		16.0					16.0	4.7		16	
		0.6	16.0			12.0				12.0	4.0		17	
0.0		10.0	28.2			0.0	18.5			18.5	9.7		18	
		1.9	18.2		16.1					17.5	0.7		19	
		3.4	15.5				1.1	0.0	12.7	0.0	13.8	1.8	20	
2003														
	28.3		94.0	94.0							94.0		21	
		3.6	39.1	36.5					0.0	36.5	2.6		22	
9.9		0.0	12.2	12.1					0.0	12.1	0.1		23	
		1.1	5.5	5.4					0.0	5.4	0.1		24	
0.0	0.0	10.5	44.1		34.7					34.7	9.4		25	
0.0	0.0	2.2	21.8		16.7					16.7	5.1		26	
		0.5	16.7			12.4				12.4	4.3		27	
0.0		10.6	29.4			0.0	19.3			19.3	10.1		28	
		1.8	18.2		16.2					17.6	0.6		29	
		3.3	15.8				1.2	0.0	12.5	0.0	13.6	2.2	30	
2004														
	16.3		90.2	90.2							90.2		31	
		4.6	43.4	41.1					0.0	41.1	2.3		32	
10.1		0.0	12.6	12.5					0.0	12.5	0.1		33	
		1.0	5.5	5.4					0.0	5.4	0.1		34	
0.0	0.0	11.5	46.8		37.2					37.2	9.6		35	
0.0	0.0	3.0	21.5		17.0					17.0	4.5		36	
		0.7	18.4			14.0				14.0	4.5		37	
0.0		11.5	31.0			0.0	20.4			20.4	10.6		38	
		2.2	20.3		17.9					19.3	1.0		39	
		3.6	16.9				1.2	0.0	13.1	0.0	14.3	2.6	40	
2005														
	10.3		93.2	93.2							93.2		41	
		6.2	46.1	43.1					0.0	43.1	3.0		42	
8.2		0.1	16.4	16.0					0.0	16.0	0.4		43	
		0.7	7.3	7.2					0.0	7.2	0.1		44	
0.0	0.0	14.4	49.8		41.0					41.0	8.9		45	
0.0	0.0	2.4	20.9		17.3					17.3	3.6		46	
		0.9	19.8			15.5				15.5	4.3		47	
0.0		12.6	32.3			0.0	21.7			21.7	10.7		48	
		2.2	21.5		19.1					20.5	1.0		49	
		3.4	18.0				1.3	0.0	14.0	0.0	15.3	2.7	50	
2006														
	9.8		96.9	96.9							96.9		51	
		6.2	48.3	44.8					0.0	44.8	3.5		52	
8.5		0.1	17.1	16.5					0.0	16.5	0.5		53	
		1.4	8.3	8.2					0.0	8.2	0.1		54	
0.0	0.0	16.2	53.6		43.7					43.7	9.9		55	
0.0	0.0	2.7	22.3		18.2					18.2	4.1		56	
		1.0	20.0			15.7				15.7	4.3		57	
0.0		13.3	33.9			0.0	22.7			22.7	11.2		58	
		2.7	20.6		17.9					19.3	1.3		59	
		3.3	18.8				1.4	0.0	14.3	0.0	15.7	3.1	60	

Table 13.5.1: Supply-use physical tableUnits in accordance with tables of IEAAF³⁾

No.	Product	Unit	Use							
			Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together
2007										
61	Standing timber.....	mn m ³ over bark	96.1							96.1
62	Saw logs.....	mn m ³		43.5						43.5
63	Fuel wood.....	mn m ³							10.1	10.1
64	Pulp wood.....	mn m ³			6.5					6.5
65	Sawnwood and wood-based panels	mn m ³		22.1						14.1
66	Other wood products.....	mn m ³								19.2
67	Pulp	mn tonnes				19.6				19.6
68	Paper.....	mn tonnes					9.9	0.0	10.9	20.9
69	Wood waste as a product.....	mn tonnes		15.6	3.1					18.7
70	Paper waste as a product.....	mn tonnes			15.8			0.2		16.0
2008										
71	Standing timber.....	mn m ³ over bark	80.2							80.2
72	Saw logs.....	mn m ³		37.7						37.7
73	Fuel wood.....	mn m ³							10.2	10.2
74	Pulp wood.....	mn m ³			6.3					6.3
75	Sawnwood and wood-based panels	mn m ³		20.1						12.8
76	Other wood products.....	mn m ³								17.1
77	Pulp	mn tonnes				18.9				18.9
78	Paper.....	mn tonnes					9.5	0.0	11.1	20.6
79	Wood waste as a product.....	mn tonnes		14.1	3.3					17.4
80	Paper waste as a product.....	mn tonnes			15.5			0.2		15.7
2009										
81	Standing timber.....	mn m ³ over bark	76.8							76.8
82	Saw logs.....	mn m ³		37.7						37.7
83	Fuel wood.....	mn m ³							10.4	10.4
84	Pulp wood.....	mn m ³			5.4					5.4
85	Sawnwood and wood-based panels	mn m ³		20.9						13.4
86	Other wood products.....	mn m ³								17.7
87	Pulp	mn tonnes				17.2				17.2
88	Paper.....	mn tonnes					8.4	0.0	10.3	18.6
89	Wood waste as a product.....	mn tonnes		11.7	2.7					14.4
90	Paper waste as a product.....	mn tonnes			14.8			0.2		15.0
2010										
91	Standing timber.....	mn m ³ over bark	84.8							84.8
92	Saw logs.....	mn m ³		39.0						39.0
93	Fuel wood.....	mn m ³							13.1	13.1
94	Pulp wood.....	mn m ³			6.8					6.8
95	Sawnwood and wood-based panels	mn m ³		21.7						13.9
96	Other wood products.....	mn m ³								18.5
97	Pulp	mn tonnes				19.2				19.2
98	Paper.....	mn tonnes					10.0	0.0	13.0	23.1
99	Wood waste as a product.....	mn tonnes		12.5	2.8					15.4
100	Paper waste as a product.....	mn tonnes			16.3			0.3		16.6
2011										
101	Standing timber.....	mn m ³ over bark	85.4							85.4
102	Saw logs.....	mn m ³		40.4						40.4
103	Fuel wood.....	mn m ³							12.5	12.5
104	Pulp wood.....	mn m ³			6.6					6.6
105	Sawnwood and wood-based panels	mn m ³		27.1						17.3
106	Other wood products.....	mn m ³								23.1
107	Pulp	mn tonnes				19.1				19.1
108	Paper.....	mn tonnes					9.6	0.0	13.1	22.7
109	Wood waste as a product.....	mn tonnes		13.1	3.1					16.1
110	Paper waste as a product.....	mn tonnes			16.1			0.3		16.3
2012										
111	Standing timber.....	mn m ³ over bark	83.3							83.3
112	Saw logs.....	mn m ³		36.6						36.6
113	Fuel wood.....	mn m ³							6.5	6.5
114	Pulp wood.....	mn m ³			6.5					6.5
115	Sawnwood and wood-based panels	mn m ³		25.7						16.5
116	Other wood products.....	mn m ³								22.1
117	Pulp	mn tonnes				19.2				19.2
118	Paper.....	mn tonnes					9.2	0.0	13.4	22.6
119	Wood waste as a product.....	mn tonnes		12.2	2.9					15.2
120	Paper waste as a product.....	mn tonnes			16.2			0.3		16.4

Table 13.5.1: Supply-use physical tableUnits in accordance with tables of IEEAF³⁾

Use			Total	Supply									No.
Final consumption	Capital formation	Exports		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Imports	
2007													
	2.0		98.1	98.1							98.1		61
		6.2	49.7	45.1						0.0	45.1	4.6	62
10.1		0.1	20.3	19.8						0.0	19.8	0.5	63
		1.4	7.9	7.8						0.0	7.8	0.1	64
0.0	0.0	17.7	53.9		44.5						44.5	9.4	65
0.0	0.0	2.7	21.8		17.7						17.7	4.2	66
		1.0	20.6			16.2					16.2	4.4	67
0.0		14.2	35.1			0.0	23.3				23.3	11.8	68
		3.7	22.4		18.9					1.0	20.0	2.4	69
		3.5	19.6				1.4	0.0	14.5	0.0	15.9	3.6	70
2008													
	17.7		97.8	97.8							97.8		71
		4.8	42.5	39.1						0.0	39.1	3.3	72
10.2		0.1	20.6	20.1						0.0	20.1	0.5	73
		1.1	7.4	7.3						0.0	7.3	0.1	74
0.0	0.0	16.5	49.4		40.9						40.9	8.5	75
0.0	0.0	2.6	19.7		16.1						16.1	3.7	76
		1.1	20.0			15.8					15.8	4.2	77
0.0		13.6	34.3			0.0	22.8				22.8	11.4	78
		3.2	20.7		17.8					1.0	18.9	1.8	79
		3.7	19.4				1.4	0.0	14.4	0.0	15.8	3.6	80
2009													
	21.5		98.3	98.3							98.3		81
		3.1	40.7	36.2						0.0	36.2	4.5	82
10.4		0.2	20.9	20.5						0.0	20.5	0.4	83
		0.8	6.2	6.1						0.0	6.1	0.1	84
0.0	0.0	13.4	47.6		39.7						39.7	7.9	85
0.0	0.0	2.2	19.9		16.7						16.7	3.2	86
		1.2	18.3			14.9					14.9	3.4	87
0.0		12.4	31.1			0.0	21.0				21.0	10.0	88
		3.2	17.6		13.4					1.0	14.4	3.2	89
		3.8	18.8				1.4	0.0	14.2	0.0	15.7	3.1	90
2010													
	-18.8		66.0	66.0							66.0		91
		2.9	42.0	34.3						0.0	34.3	7.6	92
13.1		0.1	26.3	25.9						0.0	25.9	0.4	93
		0.8	7.6	7.5						0.0	7.5	0.1	94
0.0	0.0	14.0	49.6		40.3						40.3	9.3	95
0.0	0.0	2.6	21.2		17.4						17.4	3.8	96
		1.0	20.2			16.4					16.4	3.8	97
0.0		14.3	37.3			0.0	26.3				26.3	11.0	98
		2.1	17.5		14.3					1.0	15.4	2.1	99
		3.1	19.7				1.6	0.0	14.1	0.0	15.7	4.0	100
2011													
	11.6		97.0	97.0							97.0		101
		2.9	43.3	36.3						0.0	36.3	7.0	102
12.5		0.1	25.0	24.5						0.0	24.5	0.5	103
		0.8	7.4	7.4						0.0	7.4	0.1	104
0.0	0.0	13.6	58.0		48.0						48.0	10.1	105
0.0	0.0	2.7	25.8		21.7						21.7	4.2	106
		0.7	19.8			16.1					16.1	3.7	107
0.0		13.5	36.2			0.0	25.2				25.2	11.0	108
		3.8	20.0		15.4					1.0	16.5	3.5	109
		3.5	19.8				1.6	0.0	14.3	0.0	15.8	4.0	110
2012													
	14.0		97.3	97.3							97.3		111
		2.6	39.2	32.7						0.0	32.7	6.5	112
20.4		0.1	27.0	26.6						0.0	26.6	0.4	113
		0.8	7.3	7.2						0.0	7.2	0.1	114
0.0	0.0	12.8	55.0		45.0						45.0	10.0	115
0.0	0.0	2.5	24.7		20.6						20.6	4.1	116
		0.8	19.9			16.2					16.2	3.8	117
0.0		13.4	36.0				25.1				25.1	10.9	118
		1.1	16.3		14.6					1.2	15.7	0.5	119
		3.1	19.5				1.5	0.0	14.0	0.0	15.5	4.0	120

Table 13.5.1: Supply-use physical tableUnits in accordance with tables of IEEAF^{*)}

No.	Product	Unit	Use							
			Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together
			2013¹⁾							
121	Standing timber.....	mn m ³ over bark	83.8							83.8
122	Saw logs.....	mn m ³		39.3						39.3
123	Fuel wood.....	mn m ³							6.1	6.1
124	Pulp wood.....	mn m ³			6.3					6.3
125	Sawnwood and wood-based panels	mn m ³		26.1					16.7	42.8
126	Other wood products.....	mn m ³							22.4	22.4
127	Pulp	mn tonnes				19.4				19.4
128	Paper.....	mn tonnes					8.7	0.0	13.7	22.4
129	Wood waste as a product.....	mn tonnes		12.4	2.9					15.3
130	Paper waste as a product.....	mn tonnes			16.5			0.3		16.7

*) IEEAF = Integrated Environmental and Economic Accounting for Forests.

1) Preliminary results.

Table 13.5.1: Supply-use physical tableUnits in accordance with tables of IEEAF³⁾

Use			Total	Supply									No.
Final consumption	Capital formation	Exports		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Imports	
2013¹⁾													
	14.1		97.9	97.9							97.9		121
		2.5	41.7	33.8					0.0	33.8	7.9		122
20.6		0.1	26.8	26.1					0.0	26.1	0.7		123
		0.8	7.1	7.1					0.0	7.1	0.1		124
0.0	0.0	13.1	55.8		45.9						45.9	9.9	125
0.0	0.0	2.5	24.9		20.9						20.9	4.1	126
		0.7	20.2			16.4					16.4	3.8	127
0.0		13.1	35.5				24.9				24.9	10.6	128
		0.8	16.1		14.3					1.2	15.5	0.7	129
		2.8	19.5				1.5	0.0	14.2	0.0	15.7	3.8	130

Table 13.5.2: Supply-use physical table
mn tonnes^{*)}

No.	Product	Use								Final consumption
		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	
2001										
1	Standing timber.....	28.2							28.2	
2	Saw logs.....		18.6						18.6	
3	Fuel wood.....							0.9	0.9	5.7
4	Pulp wood.....			3.1					3.1	
5	Sawnwood and wood-based panels		12.2					7.5	19.7	
6	Other wood products.....		0.0					11.4	11.4	0.0
7	Pulp				14.9				14.9	
8	Paper.....					9.1	0.0	9.4	18.5	0.0
9	Wood waste as a product.....		15.7	2.2					17.9	
10	Paper waste as a product.....			11.5			0.1		11.6	
2002										
11	Standing timber.....	29.1							29.1	
12	Saw logs.....		19.4						19.4	
13	Fuel wood.....							0.9	0.9	5.8
14	Pulp wood.....			2.5					2.5	
15	Sawnwood and wood-based panels		12.0					7.1	19.2	
16	Other wood products.....		0.0					11.1	11.1	0.0
17	Pulp				15.5				15.5	
18	Paper.....					8.6	0.0	9.6	18.2	0.0
19	Wood waste as a product.....		14.0	2.3					16.2	
20	Paper waste as a product.....			12.0			0.1		12.1	
2003										
21	Standing timber.....	31.5							31.5	
22	Saw logs.....		21.3						21.3	
23	Fuel wood.....							1.4	1.4	5.9
24	Pulp wood.....			2.6					2.6	
25	Sawnwood and wood-based panels		12.5					7.6	20.2	
26	Other wood products.....		0.0					11.7	11.7	0.0
27	Pulp				16.1				16.1	
28	Paper.....					9.0	0.0	9.8	18.8	0.0
29	Wood waste as a product.....		14.2	2.2					16.4	
30	Paper waste as a product.....			12.4			0.1		12.5	
2004										
31	Standing timber.....	35.4							35.4	
32	Saw logs.....		23.2						23.2	
33	Fuel wood.....							1.5	1.5	6.1
34	Pulp wood.....			2.7					2.7	
35	Sawnwood and wood-based panels		12.8					8.4	21.2	
36	Other wood products.....		0.0					11.1	11.1	0.0
37	Pulp				17.8				17.8	
38	Paper.....					9.7	0.0	9.7	19.4	0.0
39	Wood waste as a product.....		15.6	2.5					18.1	
40	Paper waste as a product.....			13.2			0.1		13.3	
2005										
41	Standing timber.....	39.8							39.8	
42	Saw logs.....		24.0						24.0	
43	Fuel wood.....							4.9	4.9	4.9
44	Pulp wood.....			4.0					4.0	
45	Sawnwood and wood-based panels		13.0					8.3	21.3	
46	Other wood products.....		0.0					11.1	11.1	0.0
47	Pulp				18.9				18.9	
48	Paper.....					9.6	0.0	10.2	19.7	0.0
49	Wood waste as a product.....		16.5	2.8					19.3	
50	Paper waste as a product.....			14.4			0.2		14.6	
2006										
51	Standing timber.....	41.8							41.8	
52	Saw logs.....		25.3						25.3	
53	Fuel wood.....							5.1	5.1	5.1
54	Pulp wood.....			4.1					4.1	
55	Sawnwood and wood-based panels		13.7					8.7	22.4	
56	Other wood products.....		0.0					11.8	11.8	0.0
57	Pulp				19.0				19.0	
58	Paper.....					9.9	0.0	10.7	20.6	0.0
59	Wood waste as a product.....		15.0	2.8					17.9	
60	Paper waste as a product.....			15.2			0.2		15.4	

Table 13.5.2: Supply-use physical table
mn tonnes^{*)}

Use		Total	Supply									No.	
Capital formation	Exports		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Imports		
2001													
22.2		50.4	50.4						50.4		1		
	2.3	20.8	18.7					0.0	18.7	2.1	2		
	0.0	6.6	6.6					0.0	6.6	0.0	3		
	0.7	3.8	3.8					0.0	3.8	0.0	4		
	5.2	25.0	0.0	19.5					19.5	5.5	5		
0.0	1.1	12.5	0.0	9.8					9.8	2.7	6		
	0.5	15.4			11.6				11.6	3.8	7		
	8.8	27.3				17.9			17.9	9.4	8		
	2.0	19.9		17.7				1.4	19.1	0.9	9		
	3.9	15.5					1.1	0.0	12.8	0.0	13.9	1.6	10
2002													
21.3		50.4	50.4						50.4		11		
	2.3	21.7	20.1					0.0	20.1	1.6	12		
	0.0	6.8	6.7					0.0	6.7	0.0	13		
	0.7	3.1	3.1					0.0	3.1	0.0	14		
	6.2	25.4	0.0	20.0					20.0	5.4	15		
0.0	1.3	12.5	0.0	9.6					9.6	2.8	16		
	0.6	16.0			12.0				12.0	4.0	17		
	10.0	28.2				18.5			18.5	9.7	18		
	1.9	18.2		16.1				1.4	17.5	0.7	19		
	3.4	15.5					1.1	0.0	12.7	0.0	13.8	1.8	20
2003													
13.6		45.1	45.1						45.1		21		
	2.1	23.4	21.9					0.0	21.9	1.5	22		
	0.0	7.3	7.3					0.0	7.3	0.1	23		
	0.6	3.3	3.3					0.0	3.3	0.0	24		
	6.3	26.4	0.0	20.8					20.8	5.6	25		
0.0	1.3	13.1	0.0	10.0					10.0	3.0	26		
	0.5	16.7			12.4				12.4	4.3	27		
	10.6	29.4				19.3			19.3	10.1	28		
	1.8	18.2		16.2				1.4	17.6	0.6	29		
	3.3	15.8					1.2	0.0	12.5	0.0	13.6	2.2	30
2004													
7.8		43.3	43.3						43.3		31		
	2.8	26.0	24.7					0.0	24.7	1.4	32		
	0.0	7.6	7.5					0.0	7.5	0.1	33		
	0.6	3.3	3.3					0.0	3.3	0.0	34		
	6.9	28.1	0.0	22.3					22.3	5.8	35		
0.0	1.8	12.9	0.0	10.2					10.2	2.7	36		
	0.7	18.4			14.0				14.0	4.5	37		
	11.5	31.0				20.4			20.4	10.6	38		
	2.2	20.3		17.9				1.4	19.3	1.0	39		
	3.6	16.9					1.2	0.0	13.1	0.0	14.3	2.6	40
2005													
4.9		44.7	44.7						44.7		41		
	3.7	27.7	25.8					0.0	25.8	1.8	42		
	0.0	9.8	9.6					0.0	9.6	0.2	43		
	0.4	4.4	4.3					0.0	4.3	0.0	44		
	8.7	29.9	0.0	24.6					24.6	5.3	45		
0.0	1.4	12.5	0.0	10.4					10.4	2.2	46		
	0.9	19.8			15.5				15.5	4.3	47		
	12.6	32.3				21.7			21.7	10.7	48		
	2.2	21.5		19.1				1.4	20.5	1.0	49		
	3.4	18.0					1.3	0.0	14.0	0.0	15.3	2.7	50
2006													
4.7		46.4	46.4						46.4		51		
	3.7	29.0	26.9					0.0	26.9	2.1	52		
	0.0	10.3	9.9					0.0	9.9	0.3	53		
	0.8	5.0	4.9					0.0	4.9	0.0	54		
	9.7	32.1	0.0	26.2					26.2	5.9	55		
0.0	1.6	13.4	0.0	10.9					10.9	2.5	56		
	1.0	20.0			15.7				15.7	4.3	57		
	13.3	33.9				22.7			22.7	11.2	58		
	2.7	20.6		17.9				1.4	19.3	1.3	59		
	3.3	18.8					1.4	0.0	14.3	0.0	15.7	3.1	60

Table 13.5.2: Supply-use physical table
mn tonnes^{*)}

No.	Product	Use								Final consumption
		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	
2007										
61	Standing timber.....	46.0								46.0
62	Saw logs.....		26.1							26.1
63	Fuel wood.....							6.1		6.1
64	Pulp wood.....			3.9						3.9
65	Sawnwood and wood-based panels		13.2					8.5		21.7
66	Other wood products.....		0.0					11.5		11.5
67	Pulp				19.6					19.6
68	Paper.....					9.9	0.0	10.9		20.9
69	Wood waste as a product.....		15.6	3.1						18.7
70	Paper waste as a product.....			15.8			0.2			16.0
2008										
71	Standing timber.....	38.4								38.4
72	Saw logs.....		22.6							22.6
73	Fuel wood.....							6.1		6.1
74	Pulp wood.....			3.8						3.8
75	Sawnwood and wood-based panels		12.0					7.7		19.7
76	Other wood products.....		0.0					10.3		10.3
77	Pulp				18.9					18.9
78	Paper.....					9.5	0.0	11.1		20.6
79	Wood waste as a product.....		14.1	3.3						17.4
80	Paper waste as a product.....			15.5			0.2			15.7
2009										
81	Standing timber.....	36.8								36.8
82	Saw logs.....		22.6							22.6
83	Fuel wood.....							6.2		6.2
84	Pulp wood.....			3.2						3.2
85	Sawnwood and wood-based panels		12.5					8.0		20.6
86	Other wood products.....		0.0					10.6		10.6
87	Pulp				17.2					17.2
88	Paper.....					8.4	0.0	10.3		18.6
89	Wood waste as a product.....		11.7	2.7						14.4
90	Paper waste as a product.....			14.8			0.2			15.0
2010										
91	Standing timber.....	40.6								40.6
92	Saw logs.....		23.4							23.4
93	Fuel wood.....							7.8		7.8
94	Pulp wood.....			4.1						4.1
95	Sawnwood and wood-based panels		13.0					8.3		21.3
96	Other wood products.....		0.0					11.1		11.1
97	Pulp				19.2					19.2
98	Paper.....					10.0	0.0	13.0		23.1
99	Wood waste as a product.....		12.5	2.8						15.4
100	Paper waste as a product.....			16.3			0.3			16.6
2011										
101	Standing timber.....	40.9								40.9
102	Saw logs.....		24.2							24.2
103	Fuel wood.....							7.5		7.5
104	Pulp wood.....			4.0						4.0
105	Sawnwood and wood-based panels		16.2					10.4		26.6
106	Other wood products.....		0.0					13.9		13.9
107	Pulp				19.1					19.1
108	Paper.....					9.6	0.0	13.1		22.7
109	Wood waste as a product.....		13.1	3.1						16.1
110	Paper waste as a product.....			16.1			0.3			16.3
2012										
111	Standing timber.....	39.9								39.9
112	Saw logs.....		21.9							21.9
113	Fuel wood.....							3.9		3.9
114	Pulp wood.....			3.9						3.9
115	Sawnwood and wood-based panels		15.4					9.9		25.3
116	Other wood products.....		0.0					13.3		13.3
117	Pulp				19.2					19.2
118	Paper.....					9.2	0.0	13.4		22.6
119	Wood waste as a product.....		12.2	2.9						15.2
120	Paper waste as a product.....			16.2			0.3			16.4

Table 13.5.2: Supply-use physical table
mn tonnes^{*)}

Use		Total	Supply									No.	
Capital formation	Exports		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Imports		
2007													
1.0		47.0	47.0						47.0		61		
	3.7	29.8	27.1					0.0	27.1	2.8	62		
	0.1	12.2	11.9					0.0	11.9	0.3	63		
	0.8	4.7	4.7					0.0	4.7	0.0	64		
	10.6	32.3	0.0	26.7					26.7	5.7	65		
0.0	1.6	13.1	0.0	10.6					10.6	2.5	66		
	1.0	20.6			16.2				16.2	4.4	67		
	14.2	35.1				23.3			23.3	11.8	68		
	3.7	22.4		18.9				1.0	20.0	2.4	69		
	3.5	19.6					1.4	0.0	14.5	0.0	15.9	3.6	70
2008													
8.5		46.9	46.9						46.9		71		
	2.9	25.5	23.5					0.0	23.5	2.0	72		
	0.1	12.4	12.1					0.0	12.1	0.3	73		
	0.7	4.4	4.4					0.0	4.4	0.0	74		
	9.9	29.6	0.0	24.5					24.5	5.1	75		
0.0	1.6	11.8	0.0	9.6					9.6	2.2	76		
	1.1	20.0			15.8				15.8	4.2	77		
	13.6	34.3				22.8			22.8	11.4	78		
	3.2	20.7		17.8				1.0	18.9	1.8	79		
	3.7	19.4					1.4	0.0	14.4	0.0	15.8	3.6	80
2009													
10.3		47.1	47.1						47.1		81		
	1.8	24.4	21.7					0.0	21.7	2.7	82		
	0.1	12.5	12.3					0.0	12.3	0.2	83		
	0.5	3.7	3.7					0.0	3.7	0.0	84		
	8.0	28.6	0.0	23.8					23.8	4.8	85		
0.0	1.3	11.9	0.0	10.0					10.0	1.9	86		
	1.2	18.3			14.9				14.9	3.4	87		
	12.4	31.1				21.0			21.0	10.0	88		
	3.2	17.6		13.4				1.0	14.4	3.2	89		
	3.8	18.8					1.4	0.0	14.2	0.0	15.7	3.1	90
2010													
-9.0		31.6	31.6						31.6		91		
	1.8	25.2	20.6					0.0	20.6	4.6	92		
	0.1	15.8	15.5					0.0	15.5	0.2	93		
	0.5	4.6	4.5					0.0	4.5	0.0	94		
	8.4	29.7	0.0	24.2					24.2	5.6	95		
0.0	1.6	12.7	0.0	10.4					10.4	2.3	96		
	1.0	20.2			16.4				16.4	3.8	97		
	14.3	37.3				26.3			26.3	11.0	98		
	2.1	17.5		14.3				1.0	15.4	2.1	99		
	3.1	19.7					1.6	0.0	14.1	0.0	15.7	4.0	100
2011													
5.6		46.5	46.5						46.5		101		
	1.7	26.0	21.8					0.0	21.8	4.2	102		
	0.1	15.0	14.7					0.0	14.7	0.3	103		
	0.5	4.5	4.4					0.0	4.4	0.0	104		
	8.2	34.8	0.0	28.8					28.8	6.0	105		
0.0	1.6	15.5	0.0	13.0					13.0	2.5	106		
	0.7	19.8			16.1				16.1	3.7	107		
	13.5	36.2				25.2			25.2	11.0	108		
	3.8	20.0		15.4				1.0	16.5	3.5	109		
	3.5	19.8					1.6	0.0	14.3	0.0	15.8	4.0	110
2012													
6.7		46.6	46.6						46.6		111		
	1.6	23.5	19.6					0.0	19.6	3.9	112		
	0.1	16.2	16.0					0.0	16.0	0.2	113		
	0.5	4.4	4.3					0.0	4.3	0.0	114		
	7.7	33.0	0.0	27.0					27.0	6.0	115		
0.0	1.5	14.8	0.0	12.4					12.4	2.5	116		
	0.8	19.9			16.2				16.2	3.8	117		
	13.4	36.0				25.1			25.1	10.9	118		
	1.1	16.3		14.6				1.2	15.7	0.5	119		
	3.1	19.5					1.5	0.0	14.0	0.0	15.5	4.0	120

Table 13.5.2: Supply-use physical tablemn tonnes^{*)}

No.	Product	Use								Final consumption
		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	
		2013¹⁾								
121	Standing timber.....	40.2							40.2	
122	Saw logs.....		23.6						23.6	
123	Fuel wood.....							3.7	3.7	12.3
124	Pulp wood.....			3.8					3.8	
125	Sawnwood and wood-based panels		15.7					10.0	25.7	
126	Other wood products.....		0.0					13.5	13.5	0.0
127	Pulp				19.4				19.4	
128	Paper.....					8.7	0.0	13.7	22.4	0.0
129	Wood waste as a product.....		12.4	2.9					15.3	
130	Paper waste as a product.....			16.5			0.3		16.7	

*) Conversion factor for wood products: 1m³ = 0.6 tonnes (or 1m³ over bark = 0.48 tonnes).

1) Preliminary results.

Table 13.5.2: Supply-use physical table

mn tonnes^{*)}

Use		Total	Supply									No.
Capital formation	Exports		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Imports	
2013 ¹⁾												
6.7		46.9	46.9						46.9		121	
	1.5	25.0	20.3					0.0	20.3	4.8	122	
	0.1	16.1	15.6					0.0	15.6	0.4	123	
	0.5	4.3	4.2					0.0	4.2	0.0	124	
	7.8	33.5	0.0	27.6					27.6	5.9	125	
0.0	1.5	15.0	0.0	12.5					12.5	2.4	126	
0.0	0.7	20.2			16.4				16.4	3.8	127	
0.0	13.1	35.5				24.9			24.9	10.6	128	
0.0	0.8	16.1		14.3				1.2	15.5	0.7	129	
0.0	2.8	19.5				1.5	0.0	14.2	0.0	15.7	130	

Table 13.6: Supply use monetary table

EUR bn

No.	Product	Use								
		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Final consumption
2001										
1	Standing timber.....	0.8							0.8	
2	Saw logs.....		1.6						1.6	
3	Fuel wood.....							0.1	0.1	0.0
4	Pulp wood.....			0.1					0.1	
5	Sawnwood and wood-based panels		4.0					2.5	6.5	0.0
6	Other wood products.....		0.0					6.9	6.9	0.0
7	Pulp				5.9				5.9	
8	Paper.....					7.5	0.0	8.5	16.0	0.0
9	Wood waste as a product.....		0.5	0.1					0.6	
10	Paper waste as a product.....			0.9			0.0		0.9	
2002										
11	Standing timber.....	0.8							0.8	
12	Saw logs.....		1.7						1.7	
13	Fuel wood.....							0.1	0.1	0.0
14	Pulp wood.....			0.1					0.1	
15	Sawnwood and wood-based panels		3.7					2.2	5.9	0.0
16	Other wood products.....		0.0					7.5	7.5	0.0
17	Pulp				5.6				5.6	
18	Paper.....					6.7	0.0	8.2	14.9	0.0
19	Wood waste as a product.....		0.5	0.1					0.6	
20	Paper waste as a product.....			1.1			0.0		1.1	
2003										
21	Standing timber.....	0.8							0.8	
22	Saw logs.....		1.8						1.8	
23	Fuel wood.....							0.1	0.1	0.0
24	Pulp wood.....			0.1					0.1	
25	Sawnwood and wood-based panels		3.6					2.2	5.8	0.0
26	Other wood products.....		0.0					7.2	7.2	0.0
27	Pulp				5.4				5.4	
28	Paper.....					6.5	0.0	7.7	14.2	0.0
29	Wood waste as a product.....		0.6	0.1					0.7	
30	Paper waste as a product.....			1.2			0.0		1.2	
2004										
31	Standing timber.....	0.8							0.8	
32	Saw logs.....		1.8						1.8	
33	Fuel wood.....							0.1	0.1	0.0
34	Pulp wood.....			0.1					0.1	
35	Sawnwood and wood-based panels		3.5					2.2	5.8	0.0
36	Other wood products.....		0.0					6.8	6.8	0.0
37	Pulp				6.0				6.0	
38	Paper.....					7.4	0.0	8.1	15.5	0.0
39	Wood waste as a product.....		0.6	0.1					0.7	
40	Paper waste as a product.....			1.2			0.0		1.2	
2005										
41	Standing timber.....	1.0							1.0	
42	Saw logs.....		1.9						1.9	
43	Fuel wood.....							0.2	0.2	0.1
44	Pulp wood.....			0.1					0.1	
45	Sawnwood and wood-based panels		4.0					2.5	6.5	0.0
46	Other wood products.....		0.0					6.5	6.5	0.0
47	Pulp				6.6				6.6	
48	Paper.....					6.7	0.0	7.9	14.6	0.0
49	Wood waste as a product.....		0.7	0.1					0.8	
50	Paper waste as a product.....			1.2			0.0		1.2	
2006										
51	Standing timber.....	1.2							1.2	
52	Saw logs.....		2.2						2.2	
53	Fuel wood.....							0.2	0.2	0.2
54	Pulp wood.....			0.1					0.1	
55	Sawnwood and wood-based panels		4.3					2.8	7.1	0.0
56	Other wood products.....		0.0					7.2	7.2	0.0
57	Pulp				7.2				7.2	
58	Paper.....					7.4	0.0	8.9	16.3	0.0
59	Wood waste as a product.....		0.8	0.2					1.0	
60	Paper waste as a product.....			1.3			0.0		1.3	

Table 13.6: Supply use monetary table

EUR bn

Use		Total	Supply									No.
Capital formation	Exports		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Imports	
2001												
0.6		1.4	1.4						1.4		1	
	0.3	1.9	1.6					0.0	1.6	0.3	2	
	0.0	0.1	0.1					0.0	0.1	0.0	3	
	0.1	0.1	0.1					0.0	0.1	0.0	4	
0.0	2.9	9.3		6.9					6.9	2.4	5	
0.0	0.9	7.9		5.9					5.9	1.9	6	
	0.3	6.1			4.0				4.0	2.1	7	
	8.2	24.2				16.6			16.6	7.6	8	
	0.1	0.7		0.6				0.0	0.7	0.0	9	
	0.3	1.1				0.1	0.0	0.8	0.0	0.9	0.2	10
2002												
0.6		1.4	1.4						1.4		11	
	0.3	2.0	1.7					0.0	1.7	0.2	12	
	0.0	0.1	0.1					0.0	0.1	0.0	13	
	0.0	0.1	0.1					0.0	0.1	0.0	14	
0.0	3.2	9.1		6.8					6.8	2.3	15	
0.0	1.0	8.5		6.6					6.6	1.9	16	
	0.3	5.9			3.9				3.9	1.9	17	
	8.7	23.6				16.3			16.3	7.4	18	
	0.1	0.7		0.6				0.1	0.7	0.0	19	
	0.3	1.4				0.1	0.0	1.1	0.0	1.2	0.2	20
2003												
0.3		1.2	1.2						1.2		21	
	0.3	2.0	1.8					0.0	1.8	0.2	22	
	0.0	0.1	0.1					0.0	0.1	0.0	23	
	0.1	0.1	0.1					0.0	0.1	0.0	24	
0.0	3.2	9.0		6.7					6.7	2.3	25	
0.0	1.1	8.3		6.4					6.4	1.9	26	
	0.3	5.7			3.8				3.8	1.9	27	
	8.7	22.8				15.8			15.8	7.0	28	
	0.1	0.7		0.7				0.1	0.7	0.0	29	
	0.3	1.5				0.1	0.0	1.1	0.0	1.2	0.3	30
2004												
0.2		1.0	1.0						1.0		31	
	0.3	2.1	1.9					0.0	1.9	0.2	32	
	0.0	0.1	0.1					0.0	0.1	0.0	33	
	0.0	0.1	0.1					0.0	0.1	0.0	34	
0.0	3.7	9.5		7.1					7.1	2.4	35	
0.0	1.2	8.0		6.4					6.4	1.7	36	
	0.3	6.4			4.4				4.4	1.9	37	
	10.2	25.7				18.0			18.0	7.7	38	
	0.1	0.8		0.7				0.1	0.8	0.0	39	
	0.3	1.5				0.1	0.0	1.1	0.0	1.2	0.3	40
2005												
0.1		1.1	1.1						1.1		41	
	0.4	2.3	2.0					0.0	2.0	0.3	42	
	0.0	0.3	0.3					0.0	0.3	0.0	43	
	0.0	0.1	0.1					0.0	0.1	0.0	44	
0.0	4.1	10.6		8.1					8.1	2.5	45	
0.0	1.3	7.9		6.2					6.2	1.7	46	
	0.4	7.0			5.1				5.1	1.9	47	
	9.9	24.5				16.9			16.9	7.5	48	
	0.1	0.9		0.8				0.1	0.9	0.0	49	
	0.3	1.5				0.1	0.0	1.1	0.0	1.2	0.3	50
2006												
0.1		1.3	1.3						1.3		51	
	0.4	2.7	2.3					0.0	2.3	0.3	52	
	0.0	0.3	0.3					0.0	0.3	0.0	53	
	0.1	0.2	0.2					0.0	0.2	0.0	54	
0.0	4.6	11.6		8.7					8.7	2.9	55	
0.0	1.5	8.7		6.9					6.9	1.8	56	
	0.5	7.7			5.6				5.6	2.0	57	
	11.4	27.7				19.5			19.5	8.2	58	
	0.1	1.1		1.0				0.1	1.0	0.1	59	
	0.3	1.6				0.1	0.0	1.1	0.0	1.3	0.3	60

Table 13.6: Supply use monetary table

EUR bn

No.	Product	Use								
		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Final consumption
2007										
61	Standing timber.....	1.5							1.5	
62	Saw logs.....		2.6						2.6	
63	Fuel wood.....							0.2	0.2	0.2
64	Pulp wood.....			0.1					0.1	
65	Sawnwood and wood-based panels		4.6					3.0	7.6	0.0
66	Other wood products.....		0.0					7.2	7.2	0.0
67	Pulp				8.1				8.1	
68	Paper.....					7.4	0.0	8.9	16.3	0.0
69	Wood waste as a product.....		1.0	0.2					1.2	
70	Paper waste as a product.....			1.7			0.0		1.8	
2008										
71	Standing timber.....	1.4							1.4	
72	Saw logs.....		2.4						2.4	
73	Fuel wood.....							0.2	0.2	0.2
74	Pulp wood.....			0.2					0.2	
75	Sawnwood and wood-based panels		4.0					2.6	6.6	0.0
76	Other wood products.....		0.0					7.1	7.1	0.0
77	Pulp				8.2				8.2	
78	Paper.....					7.0	0.0	9.1	16.1	0.0
79	Wood waste as a product.....		1.0	0.2					1.2	
80	Paper waste as a product.....			1.7			0.0		1.8	
2009										
81	Standing timber.....	1.5							1.5	
82	Saw logs.....		2.1						2.1	
83	Fuel wood.....							0.2	0.2	0.2
84	Pulp wood.....			0.1					0.1	
85	Sawnwood and wood-based panels		3.5					2.2	5.7	0.0
86	Other wood products.....		0.0					6.4	6.4	0.0
87	Pulp				6.4				6.4	
88	Paper.....					5.9	0.0	7.9	13.8	0.0
89	Wood waste as a product.....		0.4	0.1					0.5	
90	Paper waste as a product.....			1.2			0.0		1.2	
2010										
91	Standing timber.....	1.8							1.8	
92	Saw logs.....		2.5						2.5	
93	Fuel wood.....							0.3	0.3	0.3
94	Pulp wood.....			0.2					0.2	
95	Sawnwood and wood-based panels		4.0					2.6	6.5	0.0
96	Other wood products.....		0.0					7.1	7.1	0.0
97	Pulp				8.7				8.7	
98	Paper.....					7.3	0.0	10.4	17.6	0.0
99	Wood waste as a product.....		0.8	0.2					1.0	
100	Paper waste as a product.....			2.2			0.0		2.2	
2011										
101	Standing timber.....	2.0							2.0	
102	Saw logs.....		3.0						3.0	
103	Fuel wood.....							0.3	0.3	0.3
104	Pulp wood.....			0.2					0.2	
105	Sawnwood and wood-based panels		4.5					2.9	7.4	0.0
106	Other wood products.....		0.0					9.4	9.4	0.0
107	Pulp				9.5				9.5	
108	Paper.....					7.3	0.0	11.0	18.6	0.0
109	Wood waste as a product.....		0.4	0.1					0.5	
110	Paper waste as a product.....			2.5			0.0		2.6	
2012										
111	Standing timber.....	2.1							2.1	
112	Saw logs.....		3.4						3.4	
113	Fuel wood.....							0.1	0.1	0.4
114	Pulp wood.....			0.3					0.3	
115	Sawnwood and wood-based panels		3.9					2.5	6.5	0.0
116	Other wood products.....		0.0					9.5	9.5	0.0
117	Pulp				9.9				9.9	
118	Paper.....					7.0	0.0	11.2	18.1	0.0
119	Wood waste as a product.....		0.8	0.2					1.0	
120	Paper waste as a product.....			2.2			0.0		2.2	

Table 13.6: Supply use monetary table

EUR bn

Use		Total	Supply									No.
Capital formation	Exports		Forestry and logging	Manufacture of wood products	Manufacture of pulp	Manufacture of paper	Printing	Recycling	Other	Together	Imports	
2007												
0.0		1.6	1.6						1.6		61	
	0.5	3.1	2.7					0.0	2.7	0.4	62	
	0.0	0.4	0.4					0.0	0.4	0.0	63	
	0.1	0.2	0.2					0.0	0.2	0.0	64	
0.0	5.4	12.9		9.7					9.7	3.2	65	
0.0	1.8	8.9		6.9					6.9	2.0	66	
	0.5	8.6			6.5				6.5	2.1	67	
	11.6	27.8				18.9			18.9	8.9	68	
	0.2	1.4		1.2				0.1	1.3	0.1	69	
	0.4	2.1				0.2	0.0	1.5	0.0	1.7	0.5	70
2008												
0.3		1.8	1.8						1.8		71	
	0.4	2.8	2.5					0.0	2.5	0.3	72	
	0.0	0.4	0.4					0.0	0.4	0.0	73	
	0.1	0.2	0.2					0.0	0.2	0.0	74	
0.0	4.9	11.5		8.6					8.6	2.8	75	
0.0	1.8	8.8		7.0					7.0	1.8	76	
	0.6	8.8			6.7				6.7	2.1	77	
	11.1	27.2				18.5			18.5	8.7	78	
	0.2	1.4		1.3				0.1	1.3	0.1	79	
	0.4	2.2				0.2	0.0	1.6	0.0	1.7	0.5	80
2009												
0.4		1.9	1.9						1.9		81	
	0.2	2.4	2.1					0.0	2.1	0.3	82	
	0.0	0.4	0.4					0.0	0.4	0.0	83	
	0.0	0.2	0.2					0.0	0.2	0.0	84	
0.0	3.8	9.5		7.2					7.2	2.3	85	
0.0	1.5	7.9		6.2					6.2	1.7	86	
	0.5	6.9			5.5				5.5	1.4	87	
	9.4	23.2				15.9			15.9	7.3	88	
	0.1	0.6		0.5				0.0	0.5	0.1	89	
	0.3	1.5				0.1	0.0	1.1	0.0	1.2	0.3	90
2010												
-0.4		1.4	1.4						1.4		91	
	0.2	2.8	2.3					0.0	2.3	0.5	92	
	0.0	0.5	0.5					0.0	0.5	0.0	93	
	0.0	0.2	0.2					0.0	0.2	0.0	94	
0.0	4.2	10.7		7.9					7.9	2.8	95	
0.0	1.6	8.7		6.8					6.8	1.9	96	
	0.6	9.2			7.0				7.0	2.3	97	
	11.3	28.9				20.9			20.9	8.0	98	
	0.1	1.1		0.9				0.1	1.0	0.1	99	
	0.4	2.6				0.2	0.0	1.7	0.0	1.9	0.6	100
2011												
0.3		2.2	1.4						1.4		101	
	0.3	3.3	2.3					0.0	2.3	0.5	102	
	0.0	0.5	0.5					0.0	0.5	0.0	103	
	0.1	0.3	0.2					0.0	0.2	0.0	104	
0.0	4.2	11.6		7.9					7.9	2.8	105	
0.0	0.0	9.4		6.8					6.8	1.9	106	
	0.3	9.8			7.0				7.0	2.3	107	
	11.5	30.1				20.9			20.9	8.0	108	
	0.2	0.7		0.9				0.1	1.0	0.1	109	
	0.5	3.1				0.2	0.0	1.7	0.0	1.9	0.6	110
2012												
0.4		2.5	2.5						2.5		111	
	0.2	3.7	3.2					0.0	3.2	0.5	112	
	0.0	0.5	0.5					0.0	0.5	0.0	113	
	0.1	0.3	0.3					0.0	0.3	0.0	114	
0.0	4.0	10.5		7.5					7.5	3.0	115	
0.0	0.0	9.5		7.4					7.4	2.1	116	
	0.4	10.2			8.2				8.2	2.1	117	
	11.2	29.3				21.0			21.0	8.3	118	
	0.1	1.0		1.0				0.1	1.0	0.0	119	
	0.4	2.6				0.2	0.0	1.8	0.0	2.0	0.6	120

Table 13.7: Carbon balance for woody biomass

mn tonnes carbon

No.	Specification	1993	1994	1995	1996	1997	1998	1999	2000
total woody biomass									
1	Opening stock.....	1,045.3	1,067.7	1,089.3	1,110.7	1,132.1	1,152.5	1,172.8	1,193.4
2	Gross increment.....	46.2	46.5	46.8	47.0	47.3	47.6	47.9	48.1
3	Total removals.....	-18.3	-19.2	-19.6	-19.8	-20.9	-21.2	-21.2	-27.3
4	Other changes.....	-5.5	-5.7	-5.8	-5.8	-6.0	-6.1	-6.1	-7.1
5	Change in use/status.....	-	-	-	-	-	-	-	-
6	Closing stock.....	1,067.7	1,089.3	1,110.7	1,132.1	1,152.5	1,172.8	1,193.4	1,207.1
standing timber - total									
7	Opening stock.....	734.1	747.7	760.9	773.8	786.6	798.6	810.6	822.6
8	Gross increment.....	30.4	30.5	30.6	30.6	30.7	30.8	30.9	30.9
9	Total removals.....	-12.8	-13.4	-13.6	-13.7	-14.5	-14.7	-14.6	-18.7
10	Other changes.....	-3.9	-4.0	-4.0	-4.0	-4.2	-4.2	-4.2	-4.9
11	Change in use/status.....	-	-	-	-	-	-	-	-
12	Closing stock.....	747.7	760.9	773.8	786.6	798.6	810.6	822.6	829.9
standing timber - available for wood supply									
13	Opening stock.....	721.2	734.4	747.1	759.5	771.9	783.4	794.9	806.4
14	Gross increment.....	29.9	30.0	30.1	30.1	30.2	30.3	30.3	30.4
15	Total removals.....	-12.8	-13.4	-13.6	-13.7	-14.5	-14.7	-14.6	-18.7
16	Other changes.....	-3.8	-3.9	-3.9	-3.9	-4.0	-4.1	-4.1	-4.8
17	Change in use/status.....	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
18	Closing stock.....	734.4	747.1	759.5	771.9	783.4	794.9	806.4	813.2
standing timber - not available for wood supply									
19	Opening stock.....	12.9	13.3	13.8	14.3	14.7	15.2	15.7	16.2
20	Gross increment.....	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21	Total removals.....	-	-	-	-	-	-	-	-
22	Other changes.....	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
23	Change in use/status.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	Closing stock.....	13.3	13.8	14.3	14.7	15.2	15.7	16.2	16.7
other woody biomass									
25	Opening stock.....	311.3	319.9	328.4	336.9	345.5	353.9	362.2	370.7
26	Gross increment.....	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.2
27	Total removals.....	-5.5	-5.8	-5.9	-6.0	-6.4	-6.5	-6.6	-8.5
28	Other changes.....	-1.7	-1.7	-1.8	-1.8	-1.8	-1.9	-1.9	-2.2
29	Change in use/status.....	-	-	-	-	-	-	-	-
30	Closing stock.....	319.9	328.4	336.9	345.5	353.9	362.2	370.7	377.2

1) Preliminary results.

Table 13.7: Carbon balance for woody biomass

mn tonnes carbon

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 ¹⁾	No.
total woody biomass													
1,207.1	1,227.9	1,248.0	1,258.9	1,266.3	1,276.0	1,280.8	1,282.2	1,289.2	1,297.7	1,303.1	1,308.2	1,314.2	1
48.4	48.6	41.5	41.6	41.7	41.8	41.9	41.3	41.4	41.5	41.5	41.6	41.8	2
-21.4	-22.2	-24.0	-27.0	-27.0	-31.8	-35.1	-29.3	-28.1	-31.0	-31.2	-30.4	-30.6	3
-6.2	-6.3	-6.6	-7.1	-5.0	-5.1	-5.4	-5.0	-4.9	-5.1	-5.2	-5.1	-5.1	4
-	-	-	-	-	-	-	-	-	-	-	-	-	5
1,227.9	1,248.0	1,258.9	1,266.3	1,276.0	1,280.8	1,282.2	1,289.2	1,297.7	1,303.1	1,308.2	1,314.2	1,320.3	6
standing timber - total													
829.9	842.0	853.6	861.0	866.1	872.7	876.0	876.9	881.8	887.6	891.3	894.8	898.9	7
31.0	31.1	28.4	28.5	28.5	28.6	28.6	28.3	28.3	28.4	28.4	28.4	28.6	8
-14.7	-15.2	-16.4	-18.5	-18.5	-21.8	-24.0	-20.0	-19.2	-21.2	-21.3	-20.8	-20.9	9
-4.2	-4.3	-4.5	-4.9	-3.4	-3.5	-3.7	-3.4	-3.3	-3.5	-3.5	-3.5	-3.5	10
-	-	-	-	-	-	-	-	-	-	-	-	-	11
842.0	853.6	861.0	866.1	872.7	876.0	876.9	881.8	887.6	891.3	894.8	898.9	903.0	12
standing timber - available for wood supply													
813.2	824.8	835.9	843.0	847.1	852.1	854.5	855.0	859.4	864.8	860.1	863.0	866.5	13
30.5	30.6	27.9	28.0	28.0	28.0	28.1	27.7	27.8	27.8	27.6	27.6	27.8	14
-14.7	-15.2	-16.4	-18.5	-18.5	-21.8	-24.0	-20.0	-19.2	-21.2	-21.3	-20.8	-20.9	15
-4.1	-4.2	-4.4	-4.7	-3.3	-3.4	-3.6	-3.2	-3.2	-3.3	-3.3	-3.3	-3.3	16
-0.1	-0.1	-	-0.7	-1.2	-0.4	-	-	-	-8.0	-	-	-	17
824.8	835.9	843.0	847.1	852.1	854.5	855.0	859.4	864.8	860.1	863.0	866.5	870.0	18
standing timber - not available for wood supply													
16.7	17.2	17.7	18.0	19.0	20.7	21.5	21.9	22.3	22.7	31.1	31.8	32.4	19
0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	0.8	20
-	-	-	-	-	-	-	-	-	-	-	-	-	21
-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	22
0.1	0.1	-	0.7	1.2	0.4	-	-	-	8.0	-	-	-	23
17.2	17.7	18.0	19.0	20.7	21.5	21.9	22.3	22.7	31.1	31.8	32.4	33.0	24
other woody biomass													
377.2	385.9	394.4	397.9	400.2	403.3	404.8	405.2	407.5	410.1	411.8	413.5	415.4	25
17.4	17.6	13.1	13.1	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13.1	13.2	26
-6.7	-7.0	-7.6	-8.5	-8.5	-10.1	-11.1	-9.3	-8.9	-9.8	-9.9	-9.6	-9.7	27
-1.9	-2.0	-2.1	-2.2	-1.6	-1.6	-1.7	-1.6	-1.5	-1.6	-1.6	-1.6	-1.6	28
-	-	-	-	-	-	-	-	-	-	-	-	-	29
385.9	394.4	397.9	400.2	403.3	404.8	405.2	407.5	410.1	411.8	413.5	415.4	417.3	30

Table 13.8: Carbon balance for the forest ecosystem

mn tonnes carbon

No.	Specification	1993	1994	1995	1996	1997	1998	1999	2000
		forest ecosystem							
1	Opening stock.....	2,271	2,294	2,317	2,339	2,362	2,383	2,404	2,426
2	Change in carbon stored.....	23	23	22	22	21	21	22	14
3	Closing stock.....	2,294	2,317	2,339	2,362	2,383	2,404	2,426	2,440
		standing timber							
4	Opening stock.....	734	748	761	774	787	799	811	823
5	Change in carbon stored.....	14	13	13	13	12	12	12	7
6	Closing stock.....	748	761	774	787	799	811	823	830
		other woody biomass							
7	Opening stock.....	311	320	328	337	346	354	362	371
8	Change in carbon stored.....	9	9	9	9	8	8	9	6
9	Closing stock.....	320	328	337	346	354	362	371	377
		other biomass in forest							
10	Opening stock.....	57	58	59	60	61	62	63	64
11	Change in carbon stored.....	1	1	1	1	1	1	1	1
12	Closing stock.....	58	59	60	61	62	63	64	65
		forest soils							
13	Opening stock.....	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168
14	Change in carbon stored.....	-	-	-	-	-	-	-	-
15	Closing stock.....	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168

1) Preliminary results.

Table 13.8: Carbon balance for the forest ecosystem

mn tonnes carbon

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 ¹⁾	No.
forest ecosystem													
2,440	2,462	2,483	2,494	2,502	2,512	2,517	2,519	2,526	2,535	2,541	2,546	2,552	1
22	21	11	8	10	5	1	7	9	6	5	6	6	2
2,462	2,483	2,494	2,502	2,512	2,517	2,519	2,526	2,535	2,541	2,546	2,552	2,559	3
standing timber													
830	842	854	861	866	873	876	877	882	888	891	895	899	4
12	12	7	5	7	3	1	5	6	4	4	4	4	5
842	854	861	866	873	876	877	882	888	891	895	899	903	6
other woody biomass													
377	386	394	398	400	403	405	405	407	410	412	413	415	7
9	9	3	2	3	2	0	2	3	2	2	2	2	8
386	394	398	400	403	405	405	407	410	412	413	415	417	9
other biomass in forest													
65	66	67	67	68	68	68	69	69	69	70	70	70	10
1	1	1	0	1	0	0	0	0	0	0	0	0	11
66	67	67	68	68	68	69	69	69	70	70	70	71	12
forest soils													
1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	13
-	-	-	-	-	-	-	-	-	-	-	-	-	14
1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	1,168	15

Table 13.9: Defoliation ^{*)}

Share of area of foliage damage class, level 2 - 4

No.	Specification	Unit	2000	2001	2002	2003	2004
			total				
1	Transnational survey data.....	%	23	22	21	23	31
2	National survey data.....	%	23	22	21	23	31
3	Corresponding area.....	1,000 ha	10,264	10,264	10,264	10,264	10,890
			coniferous				
4	Transnational survey data.....	%	20	20	20	20	26
5	National survey data.....	%	20	20	19	21	27
6	Corresponding area.....	1,000 ha	6,869	6,869	6,869	6,869	6,084
			broadleaved				
7	Transnational survey data.....	%	30	25	25	27	42
8	National survey data.....	%	30	25	24	28	41
9	Corresponding area.....	1,000 ha	3,395	3,395	3,395	3,395	4,236

*) Transnational and national data refer to area damage class 2 to 4 (forest area, where foliage of treetops is obviously damaged). - With regard to partly different shares by national and international statistics the reference area is given as the total of forest area resp. The total of coniferous or broadleaved area.

1) Preliminary results.

Table 13.9: Defoliation ^{*)}

Share of area of foliage damage class, level 2 - 4

2005	2006	2007	2008	2009	2010	2011	2012	2013 ¹⁾	No.
total									
29	28	25	26	27	23	28	25	23	1
29	28	25	26	27	23	28	25	23	2
10,890	10,890	10,890	10,320	10,347	10,347	10,347	10,347	10,347	3
coniferous									
25	23	20	24	20	19	20	19	18	4
26	24	21	24	22	19	21	20	18	5
6,084	6,084	6,084	6,048	6,490	6,490	6,490	6,490	6,490	6
broadleaved									
36	37	33	28	36	29	38	33	30	7
37	38	34	28	38	29	38	32	28	8
4,236	4,236	4,236	4,236	3,857	3,857	3,857	3,857	3,857	9