



**Part 1:**  
***Sustainable production and consumption patterns***

FINAL REPORT



***GreenMod II: Dynamic Regional and Global Multi-Sectoral  
Modelling of the Belgian Economy for Impact,  
Scenario and Equity Analysis***

**Appendix 3: Simulation results**

**CP/51**

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#### 6.4. Results of the policy simulations:

Note: if a sector does not appear in a table, it implies that the variation compared to the baseline scenario is equal to zero.

##### 6.4.1. A tax of 10€ per ton of CO<sub>2</sub> emissions generated by the consumption of gasoline and gas oil for transportation (firms and households)

Table 6.1: Macroeconomic impacts

	2005	2006	2007	2008	2009	2010	2011	2012
GDP (% change)	-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.04
National savings (% change)	-0.03	-0.06	-0.08	-0.11	-0.13	-0.15	-0.17	-0.19
Labor supply (% change)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unemployment rate (%)	8.28	8.24	8.25	8.29	8.29	8.30	8.28	8.27
CO <sub>2</sub> tax revenues (mil EUR)	29	58	87	116	144	171	202	234
Income tax (% change)	-0.02	-0.03	-0.04	-0.06	-0.07	-0.08	-0.10	-0.11
Corporate tax (% change)	-0.28	-0.55	-0.82	-1.09	-1.35	-1.59	-1.86	-2.14

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.2: CO<sub>2</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CO <sub>2</sub> emissions		-0.04	-0.07	-0.11	-0.15	-0.18	-0.22	-0.26	-0.30
National CO <sub>2</sub> emissions (kt)		123,201	123,688	125,145	126,572	128,023	128,017	128,281	128,560
Regional CO <sub>2</sub> emissions	wal	-0.05	-0.09	-0.14	-0.18	-0.22	-0.27	-0.31	-0.35
Regional CO <sub>2</sub> emissions	vla	-0.03	-0.06	-0.09	-0.13	-0.16	-0.20	-0.23	-0.26
Regional CO <sub>2</sub> emissions	bru	-0.04	-0.07	-0.11	-0.14	-0.18	-0.22	-0.25	-0.29
Regional CO <sub>2</sub> emissions (kt)	wal	43,818	44,256	45,037	45,799	46,594	45,917	46,185	46,458
Regional CO <sub>2</sub> emissions (kt)	vla	75,418	75,404	75,919	76,422	76,909	77,396	77,316	77,244
Regional CO <sub>2</sub> emissions (kt)	bru	3,964	4,028	4,189	4,351	4,520	4,704	4,780	4,858
Household CO <sub>2</sub> emissions	wal	-0.05	-0.09	-0.14	-0.19	-0.24	-0.29	-0.34	-0.38
Household CO <sub>2</sub> emissions	vla	-0.04	-0.09	-0.14	-0.18	-0.23	-0.28	-0.33	-0.37
Household CO <sub>2</sub> emissions	bru	-0.03	-0.06	-0.09	-0.12	-0.15	-0.19	-0.22	-0.25
Household CO <sub>2</sub> emissions (kt)	wal	11,609	11,898	12,209	12,533	12,882	13,264	13,385	13,507
Household CO <sub>2</sub> emissions (kt)	vla	21,321	21,611	22,058	22,521	23,020	23,579	23,600	23,621
Household CO <sub>2</sub> emissions (kt)	bru	2,279	2,322	2,433	2,546	2,667	2,800	2,848	2,897

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.3: CO2 emissions by sectors and regions in 2012

CO2 emissions (% change)	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.03	0.02	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.01	-0.22	-0.02
Manufacture of food products and beverages	secE6	-0.19	-0.05	-0.48
Manufacture of pulp, paper and paper products	secE7	-0.08	-0.06	-0.36
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.62	-0.23	-0.06
Manufacture of chemicals and chemical products	secE9	0.04	0.02	-0.50
Manufacture of other non-metallic mineral products	secE10	-0.03	-0.07	-0.46
Manufacture of basic metals	secE11	-0.17	-0.13	-0.85
Manufacture of fabricated metal products	secE12	-0.20	-0.12	-0.14
Manufacture of machinery and equipment n.e.c.	secE13	-0.16	-0.07	-0.11
Manufacture of office machinery and computers	secE14	-0.03	0.01	-0.01
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.15	0.06	-0.10
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.19	-0.11	-0.12
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.17	-0.09	-0.08
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.15	-0.06	-0.13
Manufacture of other transport equipment	secE19	-0.16	-0.07	-0.12
Other manufacturing	secE20	-0.56	-0.06	-0.84
Production and distribution of natural gas	secE21	0.00	0.00	0.00
Production and distribution of non-nuclear electricity	secE23	-0.03	-0.04	-0.09
Land transport; water transport; transport via pipelines	secE24	-1.74	-1.49	-1.15
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-1.93	-1.49	-1.43
Public administration and defence; compulsory social security	secE27	-0.19	-0.17	-0.09
Education	secE28	-0.19	-0.11	-0.16
Health and social work	secE29	-0.19	-0.15	-0.07
Other services	secE30	-0.26	-0.14	-0.10

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.4: CH<sub>4</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CH <sub>4</sub> emissions		0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
National CH <sub>4</sub> emissions (kt)		7,834	7,757	7,684	7,612	7,543	7,476	7,406	7,339
Regional CH <sub>4</sub> emissions	<b>wal</b>	0.00	-0.01	-0.01	-0.02	-0.02	-0.03	-0.04	-0.04
Regional CH <sub>4</sub> emissions	<b>vla</b>	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Regional CH <sub>4</sub> emissions	<b>bru</b>	-0.08	-0.16	-0.24	-0.32	-0.39	-0.47	-0.55	-0.63
Regional CH <sub>4</sub> emissions (kt)	<b>wal</b>	2,385	2,361	2,338	2,317	2,296	2,276	2,253	2,232
Regional CH <sub>4</sub> emissions (kt)	<b>vla</b>	5,440	5,387	5,336	5,285	5,237	5,189	5,142	5,095
Regional CH <sub>4</sub> emissions (kt)	<b>bru</b>	9	9	10	10	11	11	11	12
Household CH <sub>4</sub> emissions	<b>wal</b>	-0.06	-0.12	-0.18	-0.24	-0.31	-0.37	-0.43	-0.50
Household CH <sub>4</sub> emissions	<b>vla</b>	-0.06	-0.12	-0.18	-0.25	-0.31	-0.38	-0.44	-0.50
Household CH <sub>4</sub> emissions	<b>bru</b>	-0.05	-0.11	-0.16	-0.22	-0.28	-0.34	-0.39	-0.45
Household CH <sub>4</sub> emissions (kt)	<b>wal</b>	57	60	62	64	67	69	71	72
Household CH <sub>4</sub> emissions (kt)	<b>vla</b>	21	22	23	24	25	26	27	27
Household CH <sub>4</sub> emissions (kt)	<b>bru</b>	4	4	5	5	5	6	6	6

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.5: N<sub>2</sub>O emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National N <sub>2</sub> O emissions		-0.02	-0.04	-0.07	-0.09	-0.12	-0.15	-0.17	-0.20
National N <sub>2</sub> O emissions (kt)		11,561	11,444	11,339	11,236	11,138	11,043	10,923	10,807
Regional N <sub>2</sub> O emissions	<b>wal</b>	-0.02	-0.04	-0.06	-0.09	-0.11	-0.14	-0.17	-0.20
Regional N <sub>2</sub> O emissions	<b>vla</b>	-0.02	-0.04	-0.06	-0.09	-0.11	-0.14	-0.17	-0.20
Regional N <sub>2</sub> O emissions	<b>bru</b>	-0.08	-0.15	-0.23	-0.30	-0.38	-0.45	-0.52	-0.60
Regional N <sub>2</sub> O emissions (kt)	<b>wal</b>	3,757	3,697	3,641	3,586	3,533	3,481	3,424	3,369
Regional N <sub>2</sub> O emissions (kt)	<b>vla</b>	7,700	7,641	7,587	7,535	7,485	7,436	7,371	7,309
Regional N <sub>2</sub> O emissions (kt)	<b>bru</b>	104	105	110	115	120	126	128	130
Household N <sub>2</sub> O emissions	<b>wal</b>	-0.06	-0.12	-0.18	-0.24	-0.31	-0.37	-0.43	-0.50
Household N <sub>2</sub> O emissions	<b>vla</b>	-0.06	-0.12	-0.18	-0.25	-0.31	-0.38	-0.44	-0.50
Household N <sub>2</sub> O emissions	<b>bru</b>	-0.05	-0.11	-0.16	-0.22	-0.28	-0.34	-0.39	-0.45
Household N <sub>2</sub> O emissions (kt)	<b>wal</b>	18	19	19	20	21	22	22	23
Household N <sub>2</sub> O emissions (kt)	<b>vla</b>	476	494	514	535	558	584	595	607
Household N <sub>2</sub> O emissions (kt)	<b>bru</b>	43	44	47	49	52	56	57	57

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.6: Production by sector and by region in 2012

Domestic production	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.00	0.00	0.00
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.01	-0.22	-0.02
Manufacture of food products and beverages	secE6	-0.03	-0.01	-0.02
Manufacture of pulp, paper and paper products	secE7	-0.03	-0.01	-0.05
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.62	-0.23	-0.06
Manufacture of chemicals and chemical products	secE9	-0.03	-0.02	-0.07
Manufacture of other non-metallic mineral products	secE10	-0.04	-0.03	-0.03
Manufacture of basic metals	secE11	-0.14	-0.10	-0.06
Manufacture of fabricated metal products	secE12	-0.05	-0.03	-0.08
Manufacture of machinery and equipment n.e.c.	secE13	-0.07	-0.05	-0.06
Manufacture of office machinery and computers	secE14	-0.01	0.01	-0.01
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.03	0.01	-0.02
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.04	-0.04	-0.04
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.04	-0.04	-0.01
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.01	-0.02	-0.04
Manufacture of other transport equipment	secE19	0.00	0.00	-0.01
Other manufacturing	secE20	-0.05	-0.03	-0.03
Production and distribution of natural gas	secE21	0.00	0.00	0.00
Production and distribution of nuclear electricity	secE22	-0.02	-0.02	
Production and distribution of non-nuclear electricity	secE23	-0.06	-0.07	-0.07
Land transport; water transport; transport via pipelines	secE24	-0.93	-0.62	-0.28
Air transport	secE25	-0.01	-0.02	-0.02
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.79	-0.23	-0.40
Public administration and defence; compulsory social security	secE27	-0.01	-0.01	-0.02
Education	secE28	0.00	0.01	-0.01
Health and social work	secE29	-0.01	-0.01	-0.02
Other services	secE30	-0.04	-0.03	-0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.7: Employment by sector and by region in 2012

Employment	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.02	0.04	0.00
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.02	-0.27	-0.02
Manufacture of food products and beverages	secE6	-0.02	0.00	-0.03
Manufacture of pulp, paper and paper products	secE7	-0.03	-0.02	-0.06
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	0.51	-0.64	-0.18
Manufacture of chemicals and chemical products	secE9	-0.03	-0.02	-0.07
Manufacture of other non-metallic mineral products	secE10	-0.04	-0.04	-0.04
Manufacture of basic metals	secE11	-0.16	-0.11	-0.07
Manufacture of fabricated metal products	secE12	-0.05	-0.04	-0.08
Manufacture of machinery and equipment n.e.c.	secE13	-0.09	-0.06	-0.07
Manufacture of office machinery and computers	secE14	-0.05	0.03	-0.03
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.02	0.01	-0.02
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.04	-0.04	-0.05
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.06	-0.05	-0.01
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.01	-0.02	-0.05
Manufacture of other transport equipment	secE19	0.00	0.00	-0.01
Other manufacturing	secE20	-0.04	-0.03	-0.04
Production and distribution of natural gas	secE21	0.02	0.03	0.01
Production and distribution of nuclear electricity	secE22	-0.05	-0.04	
Production and distribution of non-nuclear electricity	secE23	-0.07	-0.07	-0.08
Land transport; water transport; transport via pipelines	secE24	-0.73	-0.47	-0.19
Air transport	secE25	-0.02	-0.02	-0.04
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.65	-0.21	-0.35
Public administration and defence; compulsory social security	secE27	-0.01	0.00	-0.02
Education	secE28	0.00	0.01	-0.01
Health and social work	secE29	-0.01	-0.01	-0.02
Other services	secE30	-0.04	-0.03	-0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.8: Total private consumption in 2012

Private consumption (total)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.00	0.00	0.02
Mining of coal and lignite; extraction of peat	comE2	0.01	0.01	0.03
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.01	0.00	0.02
Manufacture of food products and beverages	comE6	0.00	0.00	0.02
Manufacture of pulp, paper and paper products	comE7	0.00	0.00	0.03
Gasoline	comE11	-0.39	-0.40	-0.36
Gas oil	comE13	-0.53	-0.54	-0.49
Manufacture of chemicals and chemical products	comE17	0.02	0.00	0.03
Manufacture of other non-metallic mineral products	comE18	0.00	-0.01	0.03
Manufacture of basic metals	comE19	0.00	-0.01	0.03
Manufacture of fabricated metal products	comE20	0.02	0.00	0.04
Manufacture of machinery and equipment n.e.c.	comE21	0.03	0.01	0.04
Manufacture of office machinery and computers	comE22	0.00	-0.01	0.03
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.00	0.00	0.03
Manufacture of radio, television and communication equipment and apparatus	comE24	0.02	0.00	0.05
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.01	0.00	0.04
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.02	0.00	0.04
Manufacture of other transport equipment	comE27	0.00	-0.01	0.03
Other manufacturing	comE28	0.00	0.00	0.03
Production and distribution of natural gas	comE29	0.00	-0.01	0.03
Production and distribution of electricity	comE30	0.04	0.02	0.07
Land transport; water transport; transport via pipelines	comE31	-0.28	-0.28	-0.26
Air transport	comE32	0.00	0.00	0.05
Supporting and auxiliary transport activities; activities of travel agencies	comE33	-0.02	-0.03	-0.01
Public administration and defence; compulsory social security	comE34	0.00	-0.01	0.03
Education	comE35	0.00	0.00	0.03
Health and social work	comE36	0.02	0.01	0.04
Other services	comE37	0.02	0.01	0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.9: Private consumption (first income group) in 2012

Private consumption (first income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.02	0.01	0.03
Mining of coal and lignite; extraction of peat	comE2	0.03	0.02	0.05
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.02	0.01	0.04
Manufacture of food products and beverages	comE6	0.01	0.01	0.02
Manufacture of pulp, paper and paper products	comE7	0.02	0.02	0.05
Gasoline	comE11	-0.34	-0.33	-0.32
Gas oil	comE13	-0.47	-0.47	-0.44
Manufacture of chemicals and chemical products	comE17	0.04	0.02	0.05
Manufacture of other non-metallic mineral products	comE18	0.03	0.02	0.05
Manufacture of basic metals	comE19	0.02	0.02	0.04
Manufacture of fabricated metal products	comE20	0.04	0.02	0.05
Manufacture of machinery and equipment n.e.c.	comE21	0.05	0.03	0.05
Manufacture of office machinery and computers	comE22	0.02	0.02	0.04
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.02	0.02	0.05
Manufacture of radio, television and communication equipment and apparatus	comE24	0.03	0.02	0.06
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.03	0.02	0.05
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.04	0.02	0.05
Manufacture of other transport equipment	comE27	0.02	0.02	0.04
Other manufacturing	comE28	0.02	0.02	0.04
Production and distribution of natural gas	comE29	0.02	0.01	0.04
Production and distribution of electricity	comE30	0.05	0.04	0.08
Land transport; water transport; transport via pipelines	comE31	-0.23	-0.23	-0.23
Air transport	comE32	0.03	0.03	0.07
Supporting and auxiliary transport activities; activities of travel	comE33	0.01	0.00	0.01
Public administration and defence; compulsory social security	comE34	0.02	0.02	0.04
Education	comE35	0.03	0.02	0.04
Health and social work	comE36	0.03	0.02	0.05
Other services	comE37	0.04	0.03	0.05

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.10: Private consumption (second income group) in 2012

Private consumption (second income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	<b>comE1</b>	0.00	-0.01	0.02
Mining of coal and lignite; extraction of peat	<b>comE2</b>	-0.01	-0.02	0.03
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	<b>comE5</b>	-0.01	-0.02	0.02
Manufacture of food products and beverages	<b>comE6</b>	-0.01	-0.01	0.01
Manufacture of pulp, paper and paper products	<b>comE7</b>	-0.01	-0.01	0.03
Gasoline	<b>comE11</b>	-0.41	-0.43	-0.38
Gas oil	<b>comE13</b>	-0.56	-0.58	-0.52
Manufacture of chemicals and chemical products	<b>comE17</b>	0.01	-0.01	0.03
Manufacture of other non-metallic mineral products	<b>comE18</b>	-0.01	-0.02	0.03
Manufacture of basic metals	<b>comE19</b>	-0.01	-0.02	0.02
Manufacture of fabricated metal products	<b>comE20</b>	0.02	-0.01	0.03
Manufacture of machinery and equipment n.e.c.	<b>comE21</b>	0.03	0.00	0.04
Manufacture of office machinery and computers	<b>comE22</b>	-0.01	-0.01	0.02
Manufacture of electrical machinery and apparatus n.e.c.	<b>comE23</b>	-0.01	-0.01	0.03
Manufacture of radio, television and communication equipment and apparatus	<b>comE24</b>	0.01	-0.01	0.04
Manufacture of medical, precision and optical instruments, watches and clocks	<b>comE25</b>	0.01	-0.01	0.03
Manufacture of motor vehicles, trailers and semi-trailers	<b>comE26</b>	0.01	-0.01	0.03
Manufacture of other transport equipment	<b>comE27</b>	-0.01	-0.01	0.03
Other manufacturing	<b>comE28</b>	0.00	-0.01	0.02
Production and distribution of natural gas	<b>comE29</b>	-0.01	-0.02	0.02
Production and distribution of electricity	<b>comE30</b>	0.03	0.01	0.06
Land transport; water transport; transport via pipelines	<b>comE31</b>	-0.29	-0.30	-0.28
Air transport	<b>comE32</b>	-0.01	-0.01	0.04
Supporting and auxiliary transport activities; activities of travel agencies	<b>comE33</b>	-0.03	-0.04	-0.02
Public administration and defence; compulsory social security	<b>comE34</b>	0.00	-0.01	0.03
Education	<b>comE35</b>	0.00	0.00	0.03
Health and social work	<b>comE36</b>	0.01	0.00	0.03
Other services	<b>comE37</b>	0.01	0.00	0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.11: Exports by sectors and regions in 2012

Exports	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.02	0.01	0.01
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	0.00	-0.36	
Manufacture of food products and beverages	secE6	-0.03	-0.01	-0.03
Manufacture of pulp, paper and paper products	secE7	-0.03	-0.01	-0.06
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.65	-0.19	0.15
Manufacture of chemicals and chemical products	secE9	-0.02	-0.02	-0.08
Manufacture of other non-metallic mineral products	secE10	-0.04	-0.03	-0.02
Manufacture of basic metals	secE11	-0.14	-0.10	-0.06
Manufacture of fabricated metal products	secE12	-0.03	-0.01	-0.08
Manufacture of machinery and equipment n.e.c.	secE13	-0.04	-0.03	-0.05
Manufacture of office machinery and computers	secE14	0.03	0.02	0.01
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.02	0.01	-0.02
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.03	-0.02	-0.03
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.02	-0.02	0.00
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.00	-0.01	-0.03
Manufacture of other transport equipment	secE19	0.01	0.00	-0.01
Other manufacturing	secE20	-0.05	-0.03	-0.03
Production and distribution of natural gas	secE21	-0.01	-0.01	-0.02
Production and distribution of nuclear electricity	secE22	0.11	0.12	
Production and distribution of non-nuclear electricity	secE23	0.04	0.03	0.03
Land transport; water transport; transport via pipelines	secE24	-1.91	-1.27	-0.81
Air transport	secE25	0.01	0.00	0.00
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-1.18	-0.25	-0.50
Education	secE28	0.01	0.03	-0.01
Health and social work	secE29	0.01	0.02	0.00
Other services	secE30	0.00	0.02	0.01

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.12: Imports by commodities and regions in 2012

Imports	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	-0.04	-0.02	-0.02
Mining of coal and lignite; extraction of peat	comE2	-0.07	-0.05	0.05
Extraction of crude petroleum	comE4	-0.62	-0.23	-0.05
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	-0.07	-0.03	-0.05
Manufacture of food products and beverages	comE6	-0.01	-0.01	0.00
Manufacture of pulp, paper and paper products	comE7	-0.04	-0.03	-0.04
Coke oven coke	comE8	-0.34	-0.37	
Petroleum coke	comE9	0.04	-0.24	
Nuclear energy	comE10	0.04	-0.04	
Gasoline	comE11	-0.97	-0.81	-0.71
Heavy oil	comE12	0.08	-0.09	-0.03
Gas oil	comE13	-0.79	-0.68	-0.44
Coke oven gas	comE14	-0.14	-0.11	
Refinery gas	comE15		-0.23	
Manufacture of chemicals and chemical products	comE17	-0.06	-0.03	-0.04
Manufacture of other non-metallic mineral products	comE18	-0.05	-0.03	-0.04
Manufacture of basic metals	comE19	-0.07	-0.06	-0.06
Manufacture of fabricated metal products	comE20	-0.10	-0.06	-0.08
Manufacture of machinery and equipment n.e.c.	comE21	-0.12	-0.12	-0.14
Manufacture of office machinery and computers	comE22	-0.14	-0.14	-0.13
Manufacture of electrical machinery and apparatus n.e.c.	comE23	-0.06	-0.04	-0.07
Manufacture of radio, television and communication equipment and apparatus	comE24	-0.08	-0.07	-0.09
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	-0.07	-0.07	-0.08
Manufacture of motor vehicles, trailers and semi-trailers	comE26	-0.07	-0.05	-0.07
Manufacture of other transport equipment	comE27	-0.10	-0.08	-0.08
Other manufacturing	comE28	-0.04	-0.04	-0.04
Production and distribution of natural gas	comE29	0.03	0.03	-0.01
Production and distribution of electricity	comE30	-0.20	-0.16	-0.22
Land transport; water transport; transport via pipelines	comE31	0.43	0.48	0.50
Air transport	comE32	-0.13	-0.15	-0.14
Supporting and auxiliary transport activities; activities of travel agencies	comE33	-0.23	-0.15	-0.03
Education	comE35	0.00	-0.01	0.00
Health and social work	comE36	-0.03	-0.03	-0.03
Other services	comE37	-0.10	-0.10	-0.08

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.13: Investments by sector and regions in 2012

Investments	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.15	-0.15	-0.16
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.14	-0.17	-0.15
Manufacture of food products and beverages	secE6	-0.15	-0.15	-0.15
Manufacture of pulp, paper and paper products	secE7	-0.14	-0.16	-0.16
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.16	-0.18	-0.16
Manufacture of chemicals and chemical products	secE9	-0.14	-0.15	-0.16
Manufacture of other non-metallic mineral products	secE10	-0.15	-0.15	-0.15
Manufacture of basic metals	secE11	-0.15	-0.16	-0.15
Manufacture of fabricated metal products	secE12	-0.15	-0.16	-0.16
Manufacture of machinery and equipment n.e.c.	secE13	-0.15	-0.15	-0.16
Manufacture of office machinery and computers	secE14	-0.15	-0.16	-0.15
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.15	-0.15	-0.16
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.14	-0.15	-0.15
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.15	-0.16	-0.16
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.15	-0.15	-0.16
Manufacture of other transport equipment	secE19	-0.14	-0.15	-0.15
Other manufacturing	secE20	-0.14	-0.15	-0.15
Production and distribution of natural gas	secE21	-0.14	-0.15	-0.15
Production and distribution of nuclear electricity	secE22	-0.15	-0.16	
Production and distribution of non-nuclear electricity	secE23	-0.15	-0.16	-0.16
Land transport; water transport; transport via pipelines	secE24	-0.16	-0.15	-0.16
Air transport	secE25	-0.14	-0.15	-0.15
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.18	-0.16	-0.17
Public administration and defence; compulsory social security	secE27	-0.14	-0.16	-0.15
Education	secE28	-0.15	-0.15	-0.16
Health and social work	secE29	-0.14	-0.15	-0.15
Other services	secE30	-0.14	-0.15	-0.15

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.14: Use of coal in 2012

Mining of coal and lignite; extraction of peat	Sectors	Regions		
		wal	vla	bru
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.01	-0.22	
Manufacture of food products and beverages	secE6		0.09	
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.62	-0.23	
Manufacture of chemicals and chemical products	secE9	0.09	0.05	-0.03
Manufacture of other non-metallic mineral products	secE10	0.03	-0.01	
Manufacture of basic metals	secE11	-0.16	-0.11	
Other manufacturing	secE20	0.22	0.28	0.01
Production and distribution of natural gas	secE21	0.00	0.00	0.00
Production and distribution of non-nuclear electricity	secE23	-0.03	-0.04	
Public administration and defence; compulsory social security	secE27	0.13	0.11	0.14
Other services	secE30	0.13	0.18	0.10

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.15: Use of petroleum coke in 2012

Petroleum coke	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.23	
Manufacture of other non-metallic mineral products	secE10	0.03		

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.16: Use of gasoline in 2012

Gasoline	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.95	-0.97	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.01	-0.22	-0.02
Manufacture of food products and beverages	secE6	-0.81	-0.81	-0.89
Manufacture of pulp, paper and paper products	secE7	-0.88	-0.88	-0.93
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.62	-0.23	-0.06
Manufacture of chemicals and chemical products	secE9	-0.80	-0.84	-0.94
Manufacture of other non-metallic mineral products	secE10	-1.01	-1.03	-1.04
Manufacture of basic metals	secE11	-1.05	-1.00	-0.96
Manufacture of fabricated metal products	secE12	-0.75	-0.74	-0.80
Manufacture of machinery and equipment n.e.c.	secE13	-0.70	-0.68	-0.78
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.66	-0.65	-0.72
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.66	-0.65	-0.76
Manufacture of other transport equipment	secE19	-0.90	-0.94	-1.02
Other manufacturing	secE20	-1.14	-1.08	-1.33
Production and distribution of non-nuclear electricity	secE23	-1.34	-1.35	-1.39
Land transport; water transport; transport via pipelines	secE24	-1.52	-1.28	-0.94
Air transport	secE25	-0.01	-0.02	-0.03
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.76	-0.29	-0.23
Public administration and defence; compulsory social security	secE27	-1.28	-1.31	-1.28
Education	secE28	-1.31	-1.25	-1.37
Health and social work	secE29	-1.20	-1.18	-1.26
Other services	secE30	-1.16	-1.11	-1.19

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.17: Use of heavy oil in 2012

Heavy oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		0.07	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.22	
Manufacture of food products and beverages	secE6	0.09	0.09	0.01
Manufacture of pulp, paper and paper products	secE7	0.01	0.03	-0.03
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.23	
Manufacture of chemicals and chemical products	secE9	0.09	0.06	
Manufacture of other non-metallic mineral products	secE10	0.03	-0.01	
Manufacture of basic metals	secE11	-0.16	-0.11	
Manufacture of fabricated metal products	secE12	0.00	0.00	-0.05
Manufacture of machinery and equipment n.e.c.	secE13	0.04	0.06	-0.01
Manufacture of electrical machinery and apparatus n.e.c.	secE15	0.08	0.09	0.03
Other manufacturing	secE20	0.22	0.28	0.01
Production and distribution of non-nuclear electricity	secE23	-0.03	-0.04	
Other services	secE30	0.14	0.18	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.18: Use of gas oil in 2012

Gas oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.02	-0.04	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.22	
Manufacture of food products and beverages	secE6	-0.89	-0.89	-0.97
Manufacture of pulp, paper and paper products	secE7	-0.67	-0.67	-0.73
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.62	-0.23	
Manufacture of chemicals and chemical products	secE9	-0.58	-0.62	-0.71
Manufacture of other non-metallic mineral products	secE10	-0.74	-0.77	-0.78
Manufacture of basic metals	secE11	-0.86	-0.81	-0.76
Manufacture of fabricated metal products	secE12	-0.52	-0.51	-0.57
Manufacture of machinery and equipment n.e.c.	secE13	-0.47	-0.45	-0.54
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.43	-0.08	-0.49
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.50	-0.50	-0.53
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.47	-0.49	-0.50
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.42	-0.41	-0.52
Manufacture of other transport equipment	secE19	-0.58	-0.61	-0.69
Other manufacturing	secE20	-1.36	-1.30	-1.29
Production and distribution of non-nuclear electricity	secE23	-0.03	-0.04	-0.08
Land transport; water transport; transport via pipelines	secE24	-1.77	-1.53	-1.20
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-1.65	-1.18	-1.12
Public administration and defence; compulsory social security	secE27	-0.36	-0.38	-0.35
Education	secE28	-0.37	-0.33	-0.44
Health and social work	secE29	-0.35	-0.33	-0.41
Other services	secE30	-0.42	-0.48	-0.32

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.19: Use of coke oven gas in 2012

Coke oven gas	Sectors	Regions		
		wal	vla	bru
Manufacture of basic metals	secE11	-0.16	-0.11	
Production and distribution of non-nuclear electricity	secE23	-0.03	-0.05	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.20: Use of refinery gas in 2012

Refinery gas	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.23	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.21: Use of natural gas in 2012

Natural gas	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		0.07	
Manufacture of food products and beverages	secE6	0.09	0.08	0.01
Manufacture of pulp, paper and paper products	secE7	0.01	0.02	-0.03
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.23	
Manufacture of chemicals and chemical products	secE9	0.09	0.05	-0.03
Manufacture of other non-metallic mineral products	secE10	0.03	-0.01	-0.03
Manufacture of basic metals	secE11	-0.16	-0.11	-0.07
Manufacture of fabricated metal products	secE12	-0.01	0.00	-0.05
Manufacture of machinery and equipment n.e.c.	secE13	0.04	0.06	-0.02
Manufacture of office machinery and computers	secE14	-0.03	0.01	-0.01
Manufacture of electrical machinery and apparatus n.e.c.	secE15	0.07	0.09	0.03
Manufacture of radio, television and communication equipment and apparatus	secE16	0.01	0.00	-0.03
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.03	0.02	0.01
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.10	0.09	0.01
Manufacture of other transport equipment	secE19	0.14	0.11	0.02
Other manufacturing	secE20	0.21	0.28	0.01
Production and distribution of natural gas	secE21	0.00	0.00	0.00
Production and distribution of non-nuclear electricity	secE23	-0.03	-0.05	-0.08
Land transport; water transport; transport via pipelines	secE24	-0.88	-0.64	-0.30
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-2.40	-1.93	-1.88
Public administration and defence; compulsory social security	secE27	0.12	0.11	0.14
Education	secE28	0.12	0.15	0.05
Health and social work	secE29	0.10	0.11	0.04
Other services	secE30	0.13	0.18	0.10

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.22: Use of electricity in 2012

Electricity	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.00	0.03	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.22	
Manufacture of food products and beverages	secE6	-0.08	-0.03	-0.03
Manufacture of pulp, paper and paper products	secE7	-0.03	-0.02	-0.05
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.62	-0.23	-0.06
Manufacture of chemicals and chemical products	secE9	-0.03	-0.02	-0.07
Manufacture of other non-metallic mineral products	secE10	-0.05	-0.04	-0.02
Manufacture of basic metals	secE11	-0.15	-0.11	-0.06
Manufacture of fabricated metal products	secE12	-0.03	-0.02	-0.05
Manufacture of machinery and equipment n.e.c.	secE13	-0.10	-0.07	-0.06
Manufacture of office machinery and computers	secE14	-0.02	0.02	0.00
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.09	0.00	-0.05
Manufacture of radio, television and communication equipment	secE16	-0.04	-0.03	-0.03
Manufacture of medical, precision and optical instruments,	secE17	-0.05	-0.05	-0.01
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.04	-0.04	-0.04
Manufacture of other transport equipment	secE19	-0.01	-0.01	-0.01
Other manufacturing	secE20	-0.13	-0.09	-0.05
Production and distribution of non-nuclear electricity	secE23	-0.08	-0.09	-0.09
Land transport; water transport; transport via pipelines	secE24	-1.19	-0.95	-0.60
Supporting and auxiliary transport activities; activities of travel	secE26	-1.13	-0.65	-0.62
Public administration and defence; compulsory social security	secE27	-0.07	-0.10	-0.03
Education	secE28	-0.07	-0.04	-0.05
Health and social work	secE29	-0.04	-0.04	-0.02
Other services	secE30	-0.13	-0.13	-0.10

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

**6.4.2. A tax of 20€ per ton of CO<sub>2</sub> emissions generated by the consumption of gasoline and gas oil for transportation (firms and households)**

Table 6.23: Macroeconomic impacts

	2005	2006	2007	2008	2009	2010	2011	2012
GDP (% change)	-0.01	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08
National savings (% change)	-0.06	-0.11	-0.16	-0.21	-0.26	-0.30	-0.34	-0.39
Labor supply (% change)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unemployment rate (%)	8.29	8.25	8.27	8.31	8.32	8.33	8.32	8.31
CO <sub>2</sub> tax revenues (mil EUR)	59	117	174	231	286	340	402	465
Income tax (% change)	-0.03	-0.06	-0.09	-0.11	-0.14	-0.16	-0.19	-0.22
Corporate tax (% change)	-0.56	-1.10	-1.64	-2.17	-2.67	-3.15	-3.69	-4.22

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.24: CO<sub>2</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CO <sub>2</sub> emissions		-0.07	-0.15	-0.22	-0.29	-0.36	-0.44	-0.51	-0.58
National CO <sub>2</sub> emissions (kt)		123,156	123,597	125,009	126,389	127,792	127,736	127,955	128,189
Regional CO <sub>2</sub> emissions	wal	-0.09	-0.18	-0.27	-0.35	-0.44	-0.53	-0.61	-0.70
Regional CO <sub>2</sub> emissions	vla	-0.06	-0.13	-0.19	-0.25	-0.32	-0.39	-0.45	-0.52
Regional CO <sub>2</sub> emissions	bru	-0.07	-0.14	-0.21	-0.28	-0.36	-0.44	-0.50	-0.57
Regional CO <sub>2</sub> emissions (kt)	wal	43,799	44,215	44,977	45,718	46,493	45,797	46,045	46,298
Regional CO <sub>2</sub> emissions (kt)	vla	75,395	75,357	75,848	76,326	76,787	77,245	77,142	77,047
Regional CO <sub>2</sub> emissions (kt)	bru	3,963	4,025	4,185	4,345	4,512	4,694	4,768	4,844
Household CO <sub>2</sub> emissions	wal	-0.09	-0.19	-0.28	-0.38	-0.47	-0.58	-0.67	-0.76
Household CO <sub>2</sub> emissions	vla	-0.09	-0.18	-0.27	-0.36	-0.46	-0.56	-0.65	-0.74
Household CO <sub>2</sub> emissions	bru	-0.05	-0.11	-0.17	-0.23	-0.30	-0.37	-0.43	-0.49
Household CO <sub>2</sub> emissions (kt)	wal	11,604	11,887	12,192	12,510	12,851	13,226	13,341	13,455
Household CO <sub>2</sub> emissions (kt)	vla	21,311	21,592	22,028	22,480	22,967	23,513	23,523	23,534
Household CO <sub>2</sub> emissions (kt)	bru	2,278	2,320	2,431	2,543	2,663	2,794	2,842	2,890

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.25: CO2 emissions by sectors and regions in 2012

CO2 emissions (% change)	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.06	0.03	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.03	-0.43	-0.03
Manufacture of food products and beverages	secE6	-0.37	-0.09	-0.95
Manufacture of pulp, paper and paper products	secE7	-0.16	-0.12	-0.71
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-1.22	-0.46	-0.12
Manufacture of chemicals and chemical products	secE9	0.09	0.04	-0.99
Manufacture of other non-metallic mineral products	secE10	-0.06	-0.14	-0.91
Manufacture of basic metals	secE11	-0.34	-0.26	-1.67
Manufacture of fabricated metal products	secE12	-0.40	-0.25	-0.29
Manufacture of machinery and equipment n.e.c.	secE13	-0.31	-0.14	-0.22
Manufacture of office machinery and computers	secE14	-0.06	0.02	-0.02
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.29	0.12	-0.20
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.38	-0.23	-0.23
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.33	-0.19	-0.16
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.29	-0.13	-0.26
Manufacture of other transport equipment	secE19	-0.32	-0.14	-0.23
Other manufacturing	secE20	-1.09	-0.11	-1.65
Production and distribution of natural gas	secE21	0.00	0.01	0.00
Production and distribution of non-nuclear electricity	secE23	-0.06	-0.09	-0.17
Land transport; water transport; transport via pipelines	secE24	-3.40	-2.92	-2.24
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-3.76	-2.89	-2.78
Public administration and defence; compulsory social security	secE27	-0.38	-0.34	-0.18
Education	secE28	-0.38	-0.22	-0.31
Health and social work	secE29	-0.37	-0.29	-0.14
Other services	secE30	-0.52	-0.27	-0.19

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.26: CH<sub>4</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CH <sub>4</sub> emissions		-0.01	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.05
National CH <sub>4</sub> emissions (kt)		7,834	7,757	7,683	7,611	7,542	7,475	7,405	7,337
Regional CH <sub>4</sub> emissions	<b>wal</b>	-0.01	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.08
Regional CH <sub>4</sub> emissions	<b>vla</b>	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.03
Regional CH <sub>4</sub> emissions	<b>bru</b>	-0.16	-0.32	-0.48	-0.63	-0.78	-0.93	-1.08	-1.23
Regional CH <sub>4</sub> emissions (kt)	<b>wal</b>	2,384	2,361	2,338	2,316	2,295	2,275	2,252	2,231
Regional CH <sub>4</sub> emissions (kt)	<b>vla</b>	5,440	5,387	5,335	5,285	5,236	5,189	5,141	5,095
Regional CH <sub>4</sub> emissions (kt)	<b>bru</b>	9	9	10	10	11	11	11	11
Household CH <sub>4</sub> emissions	<b>wal</b>	-0.12	-0.24	-0.36	-0.49	-0.61	-0.74	-0.86	-0.98
Household CH <sub>4</sub> emissions	<b>vla</b>	-0.12	-0.24	-0.36	-0.49	-0.62	-0.75	-0.87	-1.00
Household CH <sub>4</sub> emissions	<b>bru</b>	-0.10	-0.21	-0.32	-0.43	-0.55	-0.68	-0.79	-0.90
Household CH <sub>4</sub> emissions (kt)	<b>wal</b>	57	59	62	64	66	69	71	72
Household CH <sub>4</sub> emissions (kt)	<b>vla</b>	21	22	23	24	25	26	26	27
Household CH <sub>4</sub> emissions (kt)	<b>bru</b>	4	4	5	5	5	6	6	6

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.27: N<sub>2</sub>O emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National N <sub>2</sub> O emissions		-0.04	-0.08	-0.13	-0.18	-0.23	-0.29	-0.34	-0.40
National N <sub>2</sub> O emissions (kt)		11,559	11,439	11,331	11,226	11,125	11,027	10,904	10,786
Regional N <sub>2</sub> O emissions	<b>wal</b>	-0.04	-0.08	-0.13	-0.17	-0.22	-0.28	-0.33	-0.39
Regional N <sub>2</sub> O emissions	<b>vla</b>	-0.04	-0.08	-0.13	-0.18	-0.23	-0.29	-0.34	-0.39
Regional N <sub>2</sub> O emissions	<b>bru</b>	-0.15	-0.31	-0.46	-0.60	-0.74	-0.89	-1.03	-1.18
Regional N <sub>2</sub> O emissions (kt)	<b>wal</b>	3,756	3,696	3,639	3,583	3,529	3,476	3,419	3,363
Regional N <sub>2</sub> O emissions (kt)	<b>vla</b>	7,699	7,638	7,582	7,528	7,477	7,425	7,359	7,295
Regional N <sub>2</sub> O emissions (kt)	<b>bru</b>	104	105	110	115	120	125	127	129
Household N <sub>2</sub> O emissions	<b>wal</b>	-0.12	-0.24	-0.36	-0.49	-0.61	-0.74	-0.86	-0.98
Household N <sub>2</sub> O emissions	<b>vla</b>	-0.12	-0.24	-0.36	-0.49	-0.62	-0.75	-0.87	-1.00
Household N <sub>2</sub> O emissions	<b>bru</b>	-0.10	-0.21	-0.32	-0.43	-0.55	-0.68	-0.79	-0.90
Household N <sub>2</sub> O emissions (kt)	<b>wal</b>	18	19	19	20	21	22	22	22
Household N <sub>2</sub> O emissions (kt)	<b>vla</b>	476	494	513	534	557	582	593	604
Household N <sub>2</sub> O emissions (kt)	<b>bru</b>	43	44	47	49	52	55	56	57

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.28: Production by sector and by region in 2012

Domestic production	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.00	0.00	0.00
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.03	-0.43	-0.03
Manufacture of food products and beverages	secE6	-0.05	-0.02	-0.05
Manufacture of pulp, paper and paper products	secE7	-0.05	-0.03	-0.11
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-1.22	-0.46	-0.11
Manufacture of chemicals and chemical products	secE9	-0.06	-0.05	-0.14
Manufacture of other non-metallic mineral products	secE10	-0.08	-0.06	-0.05
Manufacture of basic metals	secE11	-0.28	-0.19	-0.11
Manufacture of fabricated metal products	secE12	-0.10	-0.06	-0.15
Manufacture of machinery and equipment n.e.c.	secE13	-0.14	-0.10	-0.12
Manufacture of office machinery and computers	secE14	-0.03	0.03	-0.03
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.05	0.02	-0.04
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.08	-0.07	-0.09
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.09	-0.08	-0.01
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.02	-0.04	-0.07
Manufacture of other transport equipment	secE19	0.00	0.00	-0.03
Other manufacturing	secE20	-0.10	-0.06	-0.06
Production and distribution of natural gas	secE21	0.00	0.01	0.00
Production and distribution of nuclear electricity	secE22	-0.05	-0.03	
Production and distribution of non-nuclear electricity	secE23	-0.13	-0.14	-0.13
Land transport; water transport; transport via pipelines	secE24	-1.83	-1.23	-0.56
Air transport	secE25	-0.03	-0.04	-0.05
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-1.57	-0.45	-0.79
Public administration and defence; compulsory social security	secE27	-0.03	-0.01	-0.03
Education	secE28	0.01	0.02	-0.01
Health and social work	secE29	-0.03	-0.02	-0.03
Other services	secE30	-0.09	-0.06	-0.07

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.29: Employment by sector and by region in 2012

Employment	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.04	0.07	0.00
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.04	-0.54	-0.04
Manufacture of food products and beverages	secE6	-0.04	-0.01	-0.06
Manufacture of pulp, paper and paper products	secE7	-0.07	-0.03	-0.12
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	1.00	-1.28	-0.35
Manufacture of chemicals and chemical products	secE9	-0.06	-0.04	-0.14
Manufacture of other non-metallic mineral products	secE10	-0.09	-0.08	-0.07
Manufacture of basic metals	secE11	-0.33	-0.21	-0.15
Manufacture of fabricated metal products	secE12	-0.11	-0.07	-0.16
Manufacture of machinery and equipment n.e.c.	secE13	-0.17	-0.12	-0.13
Manufacture of office machinery and computers	secE14	-0.10	0.06	-0.05
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.05	0.03	-0.04
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.09	-0.07	-0.10
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.11	-0.09	-0.02
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.02	-0.04	-0.09
Manufacture of other transport equipment	secE19	0.01	0.01	-0.03
Other manufacturing	secE20	-0.08	-0.06	-0.08
Production and distribution of natural gas	secE21	0.04	0.05	0.03
Production and distribution of nuclear electricity	secE22	-0.10	-0.07	
Production and distribution of non-nuclear electricity	secE23	-0.15	-0.15	-0.16
Land transport; water transport; transport via pipelines	secE24	-1.45	-0.94	-0.38
Air transport	secE25	-0.03	-0.04	-0.08
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-1.30	-0.41	-0.70
Public administration and defence; compulsory social security	secE27	-0.02	0.00	-0.03
Education	secE28	0.01	0.03	-0.01
Health and social work	secE29	-0.03	-0.01	-0.04
Other services	secE30	-0.08	-0.06	-0.09

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.30: Total private consumption in 2012

Private consumption (total)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.01	0.00	0.04
Mining of coal and lignite; extraction of peat	comE2	0.02	0.02	0.05
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.02	0.01	0.05
Manufacture of food products and beverages	comE6	0.00	0.00	0.03
Manufacture of pulp, paper and paper products	comE7	0.01	-0.01	0.07
Gasoline	comE11	-0.77	-0.79	-0.73
Gas oil	comE13	-1.05	-1.07	-0.98
Manufacture of chemicals and chemical products	comE17	0.04	0.00	0.07
Manufacture of other non-metallic mineral products	comE18	0.01	-0.01	0.06
Manufacture of basic metals	comE19	0.01	-0.01	0.06
Manufacture of fabricated metal products	comE20	0.05	0.01	0.07
Manufacture of machinery and equipment n.e.c.	comE21	0.07	0.01	0.08
Manufacture of office machinery and computers	comE22	0.00	-0.02	0.05
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.00	-0.01	0.07
Manufacture of radio, television and communication equipment and apparatus	comE24	0.03	0.00	0.09
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.03	-0.01	0.07
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.04	-0.01	0.08
Manufacture of other transport equipment	comE27	0.00	-0.01	0.05
Other manufacturing	comE28	0.01	-0.01	0.06
Production and distribution of natural gas	comE29	0.00	-0.02	0.06
Production and distribution of electricity	comE30	0.07	0.05	0.13
Land transport; water transport; transport via pipelines	comE31	-0.55	-0.56	-0.52
Air transport	comE32	-0.01	0.00	0.11
Supporting and auxiliary transport activities; activities of travel agencies	comE33	-0.04	-0.06	-0.03
Public administration and defence; compulsory social security	comE34	0.00	-0.02	0.06
Education	comE35	0.01	0.00	0.06
Health and social work	comE36	0.03	0.02	0.07
Other services	comE37	0.04	0.02	0.08

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.31: Private consumption (first income group) in 2012

Private consumption (first income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.03	0.02	0.06
Mining of coal and lignite; extraction of peat	comE2	0.05	0.03	0.09
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.05	0.03	0.08
Manufacture of food products and beverages	comE6	0.02	0.02	0.05
Manufacture of pulp, paper and paper products	comE7	0.05	0.03	0.09
Gasoline	comE11	-0.67	-0.66	-0.64
Gas oil	comE13	-0.94	-0.93	-0.89
Manufacture of chemicals and chemical products	comE17	0.08	0.04	0.09
Manufacture of other non-metallic mineral products	comE18	0.05	0.03	0.09
Manufacture of basic metals	comE19	0.05	0.03	0.08
Manufacture of fabricated metal products	comE20	0.09	0.05	0.10
Manufacture of machinery and equipment n.e.c.	comE21	0.10	0.05	0.10
Manufacture of office machinery and computers	comE22	0.04	0.03	0.08
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.05	0.03	0.09
Manufacture of radio, television and communication equipment and apparatus	comE24	0.07	0.04	0.11
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.07	0.03	0.10
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.08	0.03	0.10
Manufacture of other transport equipment	comE27	0.04	0.03	0.09
Other manufacturing	comE28	0.05	0.03	0.08
Production and distribution of natural gas	comE29	0.03	0.02	0.08
Production and distribution of electricity	comE30	0.10	0.08	0.15
Land transport; water transport; transport via pipelines	comE31	-0.47	-0.45	-0.46
Air transport	comE32	0.06	0.05	0.13
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.01	0.00	0.02
Public administration and defence; compulsory social security	comE34	0.05	0.03	0.09
Education	comE35	0.05	0.05	0.09
Health and social work	comE36	0.06	0.05	0.09
Other services	comE37	0.07	0.06	0.11

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.32: Private consumption (second income group) in 2012

Private consumption (second income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	-0.01	-0.02	0.03
Mining of coal and lignite; extraction of peat	comE2	-0.02	-0.03	0.05
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	-0.02	-0.04	0.04
Manufacture of food products and beverages	comE6	-0.01	-0.02	0.02
Manufacture of pulp, paper and paper products	comE7	-0.01	-0.03	0.05
Gasoline	comE11	-0.81	-0.85	-0.77
Gas oil	comE13	-1.11	-1.16	-1.04
Manufacture of chemicals and chemical products	comE17	0.02	-0.02	0.05
Manufacture of other non-metallic mineral products	comE18	-0.01	-0.03	0.05
Manufacture of basic metals	comE19	-0.02	-0.03	0.04
Manufacture of fabricated metal products	comE20	0.03	-0.01	0.07
Manufacture of machinery and equipment n.e.c.	comE21	0.05	0.00	0.07
Manufacture of office machinery and computers	comE22	-0.01	-0.03	0.04
Manufacture of electrical machinery and apparatus n.e.c.	comE23	-0.01	-0.02	0.05
Manufacture of radio, television and communication equipment and apparatus	comE24	0.01	-0.02	0.08
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.01	-0.02	0.06
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.02	-0.02	0.07
Manufacture of other transport equipment	comE27	-0.01	-0.02	0.05
Other manufacturing	comE28	-0.01	-0.02	0.05
Production and distribution of natural gas	comE29	-0.02	-0.04	0.04
Production and distribution of electricity	comE30	0.05	0.03	0.12
Land transport; water transport; transport via pipelines	comE31	-0.58	-0.60	-0.57
Air transport	comE32	-0.02	-0.02	0.09
Supporting and auxiliary transport activities; activities of travel agencies	comE33	-0.06	-0.08	-0.03
Public administration and defence; compulsory social security	comE34	0.00	-0.02	0.05
Education	comE35	0.00	0.00	0.06
Health and social work	comE36	0.01	0.00	0.06
Other services	comE37	0.02	0.00	0.07

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.33: Exports by sectors and regions in 2012

Exports	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.04	0.02	0.02
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.01	-0.72	
Manufacture of food products and beverages	secE6	-0.06	-0.02	-0.06
Manufacture of pulp, paper and paper products	secE7	-0.05	-0.02	-0.12
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-1.29	-0.39	0.29
Manufacture of chemicals and chemical products	secE9	-0.05	-0.04	-0.15
Manufacture of other non-metallic mineral products	secE10	-0.08	-0.06	-0.04
Manufacture of basic metals	secE11	-0.29	-0.20	-0.11
Manufacture of fabricated metal products	secE12	-0.07	-0.03	-0.15
Manufacture of machinery and equipment n.e.c.	secE13	-0.08	-0.05	-0.09
Manufacture of office machinery and computers	secE14	0.06	0.03	0.01
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.05	0.03	-0.03
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.06	-0.05	-0.06
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.04	-0.05	0.00
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.01	-0.03	-0.05
Manufacture of other transport equipment	secE19	0.01	0.01	-0.02
Other manufacturing	secE20	-0.11	-0.05	-0.06
Production and distribution of natural gas	secE21	-0.03	-0.02	-0.03
Production and distribution of nuclear electricity	secE22	0.22	0.24	
Production and distribution of non-nuclear electricity	secE23	0.07	0.05	0.06
Land transport; water transport; transport via pipelines	secE24	-3.77	-2.51	-1.60
Air transport	secE25	0.01	0.00	0.00
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-2.36	-0.51	-1.01
Education	secE28	0.03	0.06	-0.01
Health and social work	secE29	0.01	0.03	0.00
Other services	secE30	0.00	0.04	0.02

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.34: Imports by commodities and regions in 2012

Imports	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	-0.07	-0.04	-0.03
Mining of coal and lignite; extraction of peat	comE2	-0.13	-0.09	0.09
Extraction of crude petroleum	comE4	-1.22	-0.46	-0.10
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	-0.14	-0.06	-0.09
Manufacture of food products and beverages	comE6	-0.02	-0.02	-0.01
Manufacture of pulp, paper and paper products	comE7	-0.08	-0.05	-0.08
Coke oven coke	comE8	-0.68	-0.74	
Petroleum coke	comE9	0.08	-0.47	
Nuclear energy	comE10	0.08	-0.07	
Gasoline	comE11	-1.91	-1.59	-1.39
Heavy oil	comE12	0.16	-0.17	-0.05
Gas oil	comE13	-1.56	-1.33	-0.87
Coke oven gas	comE14	-0.27	-0.21	
Refinery gas	comE15		-0.47	
Manufacture of chemicals and chemical products	comE17	-0.12	-0.07	-0.09
Manufacture of other non-metallic mineral products	comE18	-0.09	-0.06	-0.07
Manufacture of basic metals	comE19	-0.14	-0.13	-0.11
Manufacture of fabricated metal products	comE20	-0.19	-0.12	-0.16
Manufacture of machinery and equipment n.e.c.	comE21	-0.24	-0.24	-0.29
Manufacture of office machinery and computers	comE22	-0.28	-0.28	-0.27
Manufacture of electrical machinery and apparatus n.e.c.	comE23	-0.12	-0.09	-0.14
Manufacture of radio, television and communication equipment and apparatus	comE24	-0.17	-0.13	-0.17
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	-0.15	-0.15	-0.16
Manufacture of motor vehicles, trailers and semi-trailers	comE26	-0.15	-0.11	-0.14
Manufacture of other transport equipment	comE27	-0.21	-0.16	-0.15
Other manufacturing	comE28	-0.07	-0.07	-0.07
Production and distribution of natural gas	comE29	0.06	0.06	-0.02
Production and distribution of electricity	comE30	-0.40	-0.32	-0.44
Land transport; water transport; transport via pipelines	comE31	0.85	0.95	1.00
Air transport	comE32	-0.26	-0.31	-0.28
Supporting and auxiliary transport activities; activities of travel agencies	comE33	-0.45	-0.29	-0.05
Education	comE35	0.00	-0.02	0.00
Health and social work	comE36	-0.07	-0.07	-0.05
Other services	comE37	-0.20	-0.20	-0.17

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.35: Investments by sector and regions in 2012

Investments	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	<b>secE1</b>	-0.30	-0.30	-0.32
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	<b>secE5</b>	-0.29	-0.34	-0.30
Manufacture of food products and beverages	<b>secE6</b>	-0.29	-0.30	-0.30
Manufacture of pulp, paper and paper products	<b>secE7</b>	-0.29	-0.32	-0.32
Manufacture of coke, refined petroleum products and nuclear fuel	<b>secE8</b>	-0.32	-0.36	-0.31
Manufacture of chemicals and chemical products	<b>secE9</b>	-0.29	-0.30	-0.33
Manufacture of other non-metallic mineral products	<b>secE10</b>	-0.31	-0.31	-0.31
Manufacture of basic metals	<b>secE11</b>	-0.31	-0.32	-0.30
Manufacture of fabricated metal products	<b>secE12</b>	-0.30	-0.32	-0.33
Manufacture of machinery and equipment n.e.c.	<b>secE13</b>	-0.31	-0.31	-0.33
Manufacture of office machinery and computers	<b>secE14</b>	-0.31	-0.31	-0.30
Manufacture of electrical machinery and apparatus n.e.c.	<b>secE15</b>	-0.29	-0.30	-0.32
Manufacture of radio, television and communication equipment and apparatus	<b>secE16</b>	-0.29	-0.30	-0.30
Manufacture of medical, precision and optical instruments, watches and clocks	<b>secE17</b>	-0.29	-0.32	-0.32
Manufacture of motor vehicles, trailers and semi-trailers	<b>secE18</b>	-0.31	-0.31	-0.33
Manufacture of other transport equipment	<b>secE19</b>	-0.29	-0.30	-0.30
Other manufacturing	<b>secE20</b>	-0.29	-0.31	-0.30
Production and distribution of natural gas	<b>secE21</b>	-0.28	-0.30	-0.29
Production and distribution of nuclear electricity	<b>secE22</b>	-0.30	-0.32	
Production and distribution of non-nuclear electricity	<b>secE23</b>	-0.30	-0.31	-0.32
Land transport; water transport; transport via pipelines	<b>secE24</b>	-0.32	-0.31	-0.32
Air transport	<b>secE25</b>	-0.29	-0.31	-0.31
Supporting and auxiliary transport activities; activities of travel agencies	<b>secE26</b>	-0.37	-0.32	-0.34
Public administration and defence; compulsory social security	<b>secE27</b>	-0.28	-0.31	-0.30
Education	<b>secE28</b>	-0.31	-0.30	-0.32
Health and social work	<b>secE29</b>	-0.28	-0.30	-0.30
Other services	<b>secE30</b>	-0.29	-0.30	-0.31

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.36: Use of coal in 2012

Mining of coal and lignite; extraction of peat	Sectors	Regions		
		wal	vla	bru
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.03	-0.43	
Manufacture of food products and beverages	secE6		0.17	
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-1.22	-0.46	
Manufacture of chemicals and chemical products	secE9	0.17	0.11	-0.06
Manufacture of other non-metallic mineral products	secE10	0.06	-0.01	
Manufacture of basic metals	secE11	-0.32	-0.22	
Other manufacturing	secE20	0.43	0.56	0.02
Production and distribution of natural gas	secE21	0.00	0.01	0.00
Production and distribution of non-nuclear electricity	secE23	-0.05	-0.09	
Public administration and defence; compulsory social security	secE27	0.25	0.22	0.27
Other services	secE30	0.26	0.36	0.21

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.37: Use of petroleum coke in 2012

Petroleum coke	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.46	
Manufacture of other non-metallic mineral products	secE10	0.05		

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.38: Use of gasoline in 2012

Gasoline	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-1.86	-1.90	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.03	-0.43	-0.03
Manufacture of food products and beverages	secE6	-1.58	-1.59	-1.74
Manufacture of pulp, paper and paper products	secE7	-1.72	-1.72	-1.83
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-1.22	-0.46	-0.12
Manufacture of chemicals and chemical products	secE9	-1.58	-1.64	-1.84
Manufacture of other non-metallic mineral products	secE10	-1.97	-2.02	-2.05
Manufacture of basic metals	secE11	-2.06	-1.97	-1.88
Manufacture of fabricated metal products	secE12	-1.47	-1.46	-1.58
Manufacture of machinery and equipment n.e.c.	secE13	-1.38	-1.34	-1.53
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-1.30	-1.28	-1.42
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-1.30	-1.27	-1.49
Manufacture of other transport equipment	secE19	-1.77	-1.83	-1.99
Other manufacturing	secE20	-2.23	-2.11	-2.61
Production and distribution of non-nuclear electricity	secE23	-2.62	-2.65	-2.73
Land transport; water transport; transport via pipelines	secE24	-2.97	-2.51	-1.85
Air transport	secE25	-0.03	-0.05	-0.05
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-1.52	-0.57	-0.47
Public administration and defence; compulsory social security	secE27	-2.51	-2.56	-2.50
Education	secE28	-2.57	-2.44	-2.69
Health and social work	secE29	-2.34	-2.31	-2.46
Other services	secE30	-2.27	-2.18	-2.33

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.39: Use of heavy oil in 2012

Heavy oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		0.14	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.43	
Manufacture of food products and beverages	secE6	0.18	0.17	0.01
Manufacture of pulp, paper and paper products	secE7	0.03	0.05	-0.06
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.46	
Manufacture of chemicals and chemical products	secE9	0.18	0.11	
Manufacture of other non-metallic mineral products	secE10	0.07	-0.01	
Manufacture of basic metals	secE11	-0.31	-0.22	
Manufacture of fabricated metal products	secE12	0.00	0.01	-0.10
Manufacture of machinery and equipment n.e.c.	secE13	0.08	0.12	-0.03
Manufacture of electrical machinery and apparatus n.e.c.	secE15	0.15	0.18	0.05
Other manufacturing	secE20	0.43	0.56	0.02
Production and distribution of non-nuclear electricity	secE23	-0.05	-0.09	
Other services	secE30	0.27	0.36	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.40: Use of gas oil in 2012

Gas oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.04	-0.08	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.43	
Manufacture of food products and beverages	secE6	-1.75	-1.75	-1.90
Manufacture of pulp, paper and paper products	secE7	-1.33	-1.32	-1.43
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-1.22	-0.46	
Manufacture of chemicals and chemical products	secE9	-1.15	-1.21	-1.40
Manufacture of other non-metallic mineral products	secE10	-1.46	-1.51	-1.54
Manufacture of basic metals	secE11	-1.69	-1.59	-1.50
Manufacture of fabricated metal products	secE12	-1.02	-1.01	-1.12
Manufacture of machinery and equipment n.e.c.	secE13	-0.93	-0.89	-1.06
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.85	-0.16	-0.96
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.98	-0.99	-1.05
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.93	-0.97	-0.99
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.83	-0.82	-1.02
Manufacture of other transport equipment	secE19	-1.14	-1.20	-1.36
Other manufacturing	secE20	-2.66	-2.54	-2.52
Production and distribution of non-nuclear electricity	secE23	-0.05	-0.08	-0.16
Land transport; water transport; transport via pipelines	secE24	-3.45	-2.98	-2.34
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-3.24	-2.30	-2.21
Public administration and defence; compulsory social security	secE27	-0.71	-0.75	-0.69
Education	secE28	-0.74	-0.66	-0.86
Health and social work	secE29	-0.69	-0.66	-0.81
Other services	secE30	-0.83	-0.96	-0.64

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.41: Use of coke oven gas in 2012

Coke oven gas	Sectors	Regions		
		wal	vla	bru
Manufacture of basic metals	secE11	-0.32	-0.22	
Production and distribution of non-nuclear electricity	secE23	-0.06	-0.09	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.42: Use of refinery gas in 2012

Refinery gas	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.46	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.43: Use of natural gas in 2012

Natural gas	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		0.13	
Manufacture of food products and beverages	secE6	0.18	0.17	0.01
Manufacture of pulp, paper and paper products	secE7	0.02	0.04	-0.07
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.46	
Manufacture of chemicals and chemical products	secE9	0.17	0.10	-0.06
Manufacture of other non-metallic mineral products	secE10	0.06	-0.02	-0.05
Manufacture of basic metals	secE11	-0.32	-0.22	-0.13
Manufacture of fabricated metal products	secE12	-0.01	0.00	-0.10
Manufacture of machinery and equipment n.e.c.	secE13	0.08	0.11	-0.03
Manufacture of office machinery and computers	secE14	-0.06	0.02	-0.02
Manufacture of electrical machinery and apparatus n.e.c.	secE15	0.15	0.17	0.05
Manufacture of radio, television and communication equipment and apparatus	secE16	0.01	0.00	-0.06
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.07	0.04	0.02
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.20	0.19	0.02
Manufacture of other transport equipment	secE19	0.27	0.22	0.05
Other manufacturing	secE20	0.42	0.55	0.02
Production and distribution of natural gas	secE21	0.00	0.01	0.00
Production and distribution of non-nuclear electricity	secE23	-0.06	-0.09	-0.17
Land transport; water transport; transport via pipelines	secE24	-1.73	-1.27	-0.58
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-4.64	-3.71	-3.62
Public administration and defence; compulsory social security	secE27	0.24	0.21	0.27
Education	secE28	0.23	0.30	0.11
Health and social work	secE29	0.19	0.22	0.07
Other services	secE30	0.26	0.35	0.21

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.44: Use of electricity in 2012

Electricity	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.01	0.06	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.43	
Manufacture of food products and beverages	secE6	-0.15	-0.06	-0.06
Manufacture of pulp, paper and paper products	secE7	-0.05	-0.04	-0.10
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-1.22	-0.46	-0.12
Manufacture of chemicals and chemical products	secE9	-0.06	-0.05	-0.13
Manufacture of other non-metallic mineral products	secE10	-0.11	-0.09	-0.05
Manufacture of basic metals	secE11	-0.30	-0.21	-0.11
Manufacture of fabricated metal products	secE12	-0.05	-0.04	-0.10
Manufacture of machinery and equipment n.e.c.	secE13	-0.19	-0.14	-0.12
Manufacture of office machinery and computers	secE14	-0.05	0.03	-0.01
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.18	0.00	-0.09
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.08	-0.07	-0.06
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.10	-0.09	-0.01
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.08	-0.07	-0.09
Manufacture of other transport equipment	secE19	-0.02	-0.01	-0.01
Other manufacturing	secE20	-0.26	-0.18	-0.11
Production and distribution of non-nuclear electricity	secE23	-0.15	-0.18	-0.17
Land transport; water transport; transport via pipelines	secE24	-2.35	-1.87	-1.18
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-2.24	-1.28	-1.23
Public administration and defence; compulsory social security	secE27	-0.15	-0.19	-0.07
Education	secE28	-0.14	-0.08	-0.09
Health and social work	secE29	-0.08	-0.08	-0.03
Other services	secE30	-0.27	-0.25	-0.21

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

**6.4.3. A tax of 10€ per ton of CO<sub>2</sub> emissions generated by the consumption of coal, gasoline, gas oil and natural gas for heating and transportation by the households**

Table 6.45: Macroeconomic impacts

	2005	2006	2007	2008	2009	2010	2011	2012
GDP (% change)	-0.01	-0.01	-0.02	-0.03	-0.03	-0.04	-0.05	-0.05
National savings (% change)	-0.06	-0.12	-0.17	-0.22	-0.27	-0.32	-0.37	-0.43
Labor supply (% change)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unemployment rate (%)	8.28	8.24	8.25	8.28	8.29	8.29	8.28	8.26
Exchange rate (% change)	-0.01	-0.02	-0.03	-0.04	-0.05	-0.06	-0.07	-0.09
CO <sub>2</sub> tax revenues (mil EUR)	21	41	62	83	105	126	150	173
Income tax (% change)	-0.06	-0.12	-0.18	-0.23	-0.29	-0.34	-0.39	-0.45

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.46: CO<sub>2</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CO <sub>2</sub> emissions		-0.08	-0.16	-0.24	-0.32	-0.41	-0.50	-0.59	-0.67
National CO <sub>2</sub> emissions (kt)		123,149	123,583	124,983	126,349	127,736	127,660	127,863	128,078
Regional CO <sub>2</sub> emissions	<b>wal</b>	-0.08	-0.16	-0.24	-0.33	-0.41	-0.51	-0.60	-0.68
Regional CO <sub>2</sub> emissions	<b>vla</b>	-0.07	-0.15	-0.22	-0.30	-0.38	-0.47	-0.54	-0.62
Regional CO <sub>2</sub> emissions	<b>bru</b>	-0.16	-0.32	-0.48	-0.64	-0.81	-0.97	-1.13	-1.29
Regional CO <sub>2</sub> emissions (kt)	<b>wal</b>	43,803	44,224	44,988	45,731	46,505	45,804	46,052	46,304
Regional CO <sub>2</sub> emissions (kt)	<b>vla</b>	75,387	75,340	75,822	76,289	76,739	77,187	77,072	76,965
Regional CO <sub>2</sub> emissions (kt)	<b>bru</b>	3,959	4,018	4,174	4,329	4,492	4,669	4,738	4,809
Household CO <sub>2</sub> emissions	<b>wal</b>	-0.29	-0.58	-0.87	-1.16	-1.44	-1.73	-2.00	-2.28
Household CO <sub>2</sub> emissions	<b>vla</b>	-0.27	-0.53	-0.79	-1.06	-1.32	-1.59	-1.84	-2.10
Household CO <sub>2</sub> emissions	<b>bru</b>	-0.29	-0.58	-0.87	-1.16	-1.45	-1.74	-2.02	-2.30
Household CO <sub>2</sub> emissions (kt)	<b>wal</b>	11,580	11,840	12,120	12,412	12,726	13,072	13,161	13,249
Household CO <sub>2</sub> emissions (kt)	<b>vla</b>	21,273	21,516	21,912	22,323	22,768	23,270	23,241	23,212
Household CO <sub>2</sub> emissions (kt)	<b>bru</b>	2,273	2,309	2,414	2,519	2,632	2,756	2,796	2,837

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.47: CO2 emissions by sectors and regions in 2012

CO2 emissions (% change)	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.01	0.04	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.03	-0.07	-0.05
Manufacture of food products and beverages	secE6	0.02	0.06	0.03
Manufacture of pulp, paper and paper products	secE7	-0.03	0.10	0.07
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.16	-0.04	-0.03
Manufacture of chemicals and chemical products	secE9	0.16	0.16	0.02
Manufacture of other non-metallic mineral products	secE10	-0.02	0.07	0.06
Manufacture of basic metals	secE11	-0.05	-0.07	0.02
Manufacture of fabricated metal products	secE12	0.05	0.12	0.13
Manufacture of machinery and equipment n.e.c.	secE13	-0.04	0.03	0.01
Manufacture of office machinery and computers	secE14	0.07	0.14	0.12
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.10	0.11	0.05
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.06	-0.01	0.04
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.01	0.05	0.13
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.12	0.08	0.12
Manufacture of other transport equipment	secE19	-0.16	0.02	0.09
Other manufacturing	secE20	-0.03	0.13	-0.02
Production and distribution of natural gas	secE21	-0.36	-0.36	-0.27
Production and distribution of non-nuclear electricity	secE23	-0.03	0.02	0.65
Land transport; water transport; transport via pipelines	secE24	-0.05	-0.03	-0.08
Supporting and auxiliary transport activities; activities of travel agencies	secE26	0.06	0.09	0.10
Public administration and defence; compulsory social security	secE27	0.18	0.21	0.28
Education	secE28	0.12	0.22	0.21
Health and social work	secE29	0.12	0.17	0.26
Other services	secE30	0.09	0.17	0.26

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.48: CH<sub>4</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CH <sub>4</sub> emissions		0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
National CH <sub>4</sub> emissions (kt)		7,834	7,757	7,684	7,612	7,543	7,476	7,406	7,339
Regional CH <sub>4</sub> emissions	<b>wal</b>	0.00	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.05
Regional CH <sub>4</sub> emissions	<b>vla</b>	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
Regional CH <sub>4</sub> emissions	<b>bru</b>	-0.07	-0.14	-0.22	-0.30	-0.39	-0.48	-0.56	-0.64
Regional CH <sub>4</sub> emissions (kt)	<b>wal</b>	2,385	2,361	2,338	2,316	2,296	2,276	2,253	2,231
Regional CH <sub>4</sub> emissions (kt)	<b>vla</b>	5,440	5,387	5,336	5,285	5,237	5,189	5,142	5,096
Regional CH <sub>4</sub> emissions (kt)	<b>bru</b>	9	9	10	10	11	11	11	12
Household CH <sub>4</sub> emissions	<b>wal</b>	-0.16	-0.33	-0.49	-0.66	-0.83	-1.00	-1.16	-1.33
Household CH <sub>4</sub> emissions	<b>vla</b>	-0.15	-0.31	-0.47	-0.64	-0.80	-0.97	-1.12	-1.28
Household CH <sub>4</sub> emissions	<b>bru</b>	-0.14	-0.28	-0.43	-0.58	-0.74	-0.91	-1.05	-1.20
Household CH <sub>4</sub> emissions (kt)	<b>wal</b>	57	59	62	64	66	69	70	72
Household CH <sub>4</sub> emissions (kt)	<b>vla</b>	21	22	23	24	25	26	26	27
Household CH <sub>4</sub> emissions (kt)	<b>bru</b>	4	4	5	5	5	6	6	6

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.49: N<sub>2</sub>O emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National N <sub>2</sub> O emissions		-0.01	-0.02	-0.03	-0.04	-0.06	-0.07	-0.09	-0.10
National N <sub>2</sub> O emissions (kt)		11,562	11,446	11,343	11,241	11,145	11,052	10,933	10,819
Regional N <sub>2</sub> O emissions	<b>wal</b>	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
Regional N <sub>2</sub> O emissions	<b>vla</b>	-0.01	-0.03	-0.04	-0.06	-0.07	-0.09	-0.11	-0.13
Regional N <sub>2</sub> O emissions	<b>bru</b>	-0.06	-0.12	-0.19	-0.26	-0.33	-0.41	-0.48	-0.54
Regional N <sub>2</sub> O emissions (kt)	<b>wal</b>	3,757	3,699	3,644	3,589	3,536	3,486	3,429	3,375
Regional N <sub>2</sub> O emissions (kt)	<b>vla</b>	7,701	7,642	7,589	7,537	7,488	7,440	7,376	7,314
Regional N <sub>2</sub> O emissions (kt)	<b>bru</b>	104	105	110	115	120	126	128	130
Household N <sub>2</sub> O emissions	<b>wal</b>	-0.16	-0.33	-0.49	-0.66	-0.83	-1.00	-1.16	-1.33
Household N <sub>2</sub> O emissions	<b>vla</b>	-0.15	-0.31	-0.47	-0.64	-0.80	-0.97	-1.12	-1.28
Household N <sub>2</sub> O emissions	<b>bru</b>	-0.14	-0.28	-0.43	-0.58	-0.74	-0.91	-1.05	-1.20
Household N <sub>2</sub> O emissions (kt)	<b>wal</b>	18	19	19	20	21	22	22	22
Household N <sub>2</sub> O emissions (kt)	<b>vla</b>	475	493	512	533	556	581	591	602
Household N <sub>2</sub> O emissions (kt)	<b>bru</b>	43	44	47	49	52	55	56	57

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.50: Production by sector and by region in 2012

Domestic production	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.00	0.00	0.00
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.03	-0.07	-0.05
Manufacture of food products and beverages	secE6	-0.04	-0.02	-0.05
Manufacture of pulp, paper and paper products	secE7	-0.05	-0.04	0.00
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.16	-0.04	-0.03
Manufacture of chemicals and chemical products	secE9	-0.02	-0.02	-0.01
Manufacture of other non-metallic mineral products	secE10	-0.03	-0.02	0.03
Manufacture of basic metals	secE11	-0.14	-0.13	0.12
Manufacture of fabricated metal products	secE12	-0.11	-0.09	-0.13
Manufacture of machinery and equipment n.e.c.	secE13	-0.17	-0.14	-0.16
Manufacture of office machinery and computers	secE14	-0.05	-0.02	-0.04
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.26	-0.07	-0.13
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.16	-0.16	-0.12
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.09	-0.10	-0.01
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.05	-0.08	-0.05
Manufacture of other transport equipment	secE19	-0.28	-0.15	-0.09
Other manufacturing	secE20	-0.03	-0.02	-0.02
Production and distribution of natural gas	secE21	-0.36	-0.36	-0.27
Production and distribution of nuclear electricity	secE22	-0.01	0.00	
Production and distribution of non-nuclear electricity	secE23	0.09	0.08	0.43
Land transport; water transport; transport via pipelines	secE24	-0.06	-0.04	-0.09
Air transport	secE25	-0.03	-0.09	-0.04
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.03	-0.03	-0.03
Public administration and defence; compulsory social security	secE27	0.00	0.02	0.00
Education	secE28	0.00	0.01	0.00
Health and social work	secE29	-0.01	0.00	-0.01
Other services	secE30	-0.03	-0.03	-0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.51: Employment by sector and by region in 2012

Employment	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.01	0.01	-0.01
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.05	-0.08	-0.07
Manufacture of food products and beverages	secE6	-0.07	-0.03	-0.09
Manufacture of pulp, paper and paper products	secE7	-0.08	-0.08	-0.06
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	0.04	-0.07	-0.07
Manufacture of chemicals and chemical products	secE9	-0.04	-0.04	-0.04
Manufacture of other non-metallic mineral products	secE10	-0.06	-0.05	-0.02
Manufacture of basic metals	secE11	-0.18	-0.16	-0.01
Manufacture of fabricated metal products	secE12	-0.14	-0.13	-0.15
Manufacture of machinery and equipment n.e.c.	secE13	-0.21	-0.18	-0.19
Manufacture of office machinery and computers	secE14	-0.14	-0.04	-0.11
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.27	-0.09	-0.15
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.17	-0.17	-0.15
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.12	-0.12	-0.04
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.01	-0.09	-0.08
Manufacture of other transport equipment	secE19	-0.30	-0.17	-0.12
Other manufacturing	secE20	-0.04	-0.03	-0.04
Production and distribution of natural gas	secE21	-0.89	-0.88	-0.67
Production and distribution of nuclear electricity	secE22	-0.03	-0.02	
Production and distribution of non-nuclear electricity	secE23	0.05	0.05	0.34
Land transport; water transport; transport via pipelines	secE24	-0.08	-0.06	-0.10
Air transport	secE25	-0.08	-0.12	-0.07
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.06	-0.05	-0.05
Public administration and defence; compulsory social security	secE27	0.00	0.01	0.00
Education	secE28	0.00	0.01	-0.01
Health and social work	secE29	-0.01	0.00	-0.01
Other services	secE30	-0.05	-0.04	-0.06

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.52: Total private consumption in 2012

Private consumption (total)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.08	0.08	0.06
Mining of coal and lignite; extraction of peat	comE2	-11.94	-11.69	-12.69
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.11	0.10	0.11
Manufacture of food products and beverages	comE6	0.06	0.07	0.05
Manufacture of pulp, paper and paper products	comE7	0.13	0.13	0.09
Gasoline	comE11	-0.26	-0.27	-0.31
Gas oil	comE13	-1.64	-1.66	-1.66
Manufacture of chemicals and chemical products	comE17	0.11	0.12	0.09
Manufacture of other non-metallic mineral products	comE18	0.13	0.13	0.10
Manufacture of basic metals	comE19	0.13	0.13	0.09
Manufacture of fabricated metal products	comE20	0.13	0.13	0.10
Manufacture of machinery and equipment n.e.c.	comE21	0.15	0.14	0.11
Manufacture of office machinery and computers	comE22	0.12	0.13	0.09
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.13	0.12	0.08
Manufacture of radio, television and communication equipment and apparatus	comE24	0.10	0.11	0.07
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.12	0.13	0.09
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.11	0.13	0.10
Manufacture of other transport equipment	comE27	0.13	0.13	0.10
Other manufacturing	comE28	0.10	0.12	0.09
Production and distribution of natural gas	comE29	-3.20	-3.20	-3.18
Production and distribution of electricity	comE30	0.12	0.12	0.09
Land transport; water transport; transport via pipelines	comE31	0.11	0.11	0.06
Air transport	comE32	0.17	0.15	0.10
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.12	0.14	0.10
Public administration and defence; compulsory social security	comE34	0.09	0.08	0.06
Education	comE35	0.08	0.08	0.04
Health and social work	comE36	0.07	0.07	0.04
Other services	comE37	0.12	0.12	0.09

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.53: Private consumption (first income group) in 2012

Private consumption (first income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.05	0.05	0.04
Mining of coal and lignite; extraction of peat	comE2	-11.51	-11.25	-11.71
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.08	0.08	0.06
Manufacture of food products and beverages	comE6	0.03	0.04	0.03
Manufacture of pulp, paper and paper products	comE7	0.08	0.07	0.05
Gasoline	comE11	-0.29	-0.28	-0.31
Gas oil	comE13	-1.58	-1.53	-1.57
Manufacture of chemicals and chemical products	comE17	0.06	0.07	0.06
Manufacture of other non-metallic mineral products	comE18	0.08	0.08	0.07
Manufacture of basic metals	comE19	0.08	0.08	0.06
Manufacture of fabricated metal products	comE20	0.08	0.07	0.06
Manufacture of machinery and equipment n.e.c.	comE21	0.10	0.08	0.07
Manufacture of office machinery and computers	comE22	0.07	0.07	0.06
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.07	0.07	0.05
Manufacture of radio, television and communication equipment and apparatus	comE24	0.06	0.07	0.04
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.07	0.07	0.06
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.06	0.07	0.06
Manufacture of other transport equipment	comE27	0.07	0.07	0.05
Other manufacturing	comE28	0.05	0.06	0.05
Production and distribution of natural gas	comE29	-3.05	-2.90	-2.99
Production and distribution of electricity	comE30	0.07	0.07	0.06
Land transport; water transport; transport via pipelines	comE31	0.06	0.06	0.04
Air transport	comE32	0.09	0.09	0.06
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.06	0.07	0.06
Public administration and defence; compulsory social security	comE34	0.03	0.03	0.02
Education	comE35	0.02	0.02	0.01
Health and social work	comE36	0.03	0.03	0.02
Other services	comE37	0.07	0.07	0.06

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.54: Private consumption (second income group) in 2012

Private consumption (second income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.10	0.10	0.07
Mining of coal and lignite; extraction of peat	comE2	-12.52	-12.88	-12.81
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.15	0.16	0.11
Manufacture of food products and beverages	comE6	0.07	0.08	0.06
Manufacture of pulp, paper and paper products	comE7	0.15	0.15	0.11
Gasoline	comE11	-0.25	-0.27	-0.30
Gas oil	comE13	-1.68	-1.73	-1.72
Manufacture of chemicals and chemical products	comE17	0.14	0.15	0.11
Manufacture of other non-metallic mineral products	comE18	0.15	0.16	0.12
Manufacture of basic metals	comE19	0.15	0.16	0.11
Manufacture of fabricated metal products	comE20	0.15	0.15	0.11
Manufacture of machinery and equipment n.e.c.	comE21	0.17	0.16	0.12
Manufacture of office machinery and computers	comE22	0.14	0.15	0.11
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.14	0.14	0.10
Manufacture of radio, television and communication equipment and apparatus	comE24	0.13	0.14	0.08
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.14	0.15	0.11
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.13	0.15	0.11
Manufacture of other transport equipment	comE27	0.14	0.14	0.10
Other manufacturing	comE28	0.12	0.14	0.10
Production and distribution of natural gas	comE29	-3.34	-3.39	-3.32
Production and distribution of electricity	comE30	0.14	0.15	0.11
Land transport; water transport; transport via pipelines	comE31	0.13	0.13	0.09
Air transport	comE32	0.18	0.18	0.13
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.14	0.16	0.11
Public administration and defence; compulsory social security	comE34	0.09	0.09	0.07
Education	comE35	0.08	0.09	0.05
Health and social work	comE36	0.10	0.10	0.06
Other services	comE37	0.14	0.14	0.11

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.55: Exports by sectors and regions in 2012

Exports	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.01	0.00	0.00
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.03	-0.10	
Manufacture of food products and beverages	secE6	-0.07	-0.04	-0.07
Manufacture of pulp, paper and paper products	secE7	-0.06	-0.05	0.00
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.17	-0.02	0.01
Manufacture of chemicals and chemical products	secE9	-0.04	-0.03	-0.01
Manufacture of other non-metallic mineral products	secE10	-0.04	-0.02	0.06
Manufacture of basic metals	secE11	-0.14	-0.13	0.12
Manufacture of fabricated metal products	secE12	-0.12	-0.09	-0.14
Manufacture of machinery and equipment n.e.c.	secE13	-0.14	-0.11	-0.15
Manufacture of office machinery and computers	secE14	0.02	-0.01	-0.01
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.27	-0.06	-0.13
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.17	-0.17	-0.13
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.08	-0.10	0.00
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.08	-0.08	-0.05
Manufacture of other transport equipment	secE19	-0.29	-0.15	-0.09
Other manufacturing	secE20	-0.04	-0.03	-0.03
Production and distribution of natural gas	secE21	1.95	1.97	1.60
Production and distribution of nuclear electricity	secE22	-0.05	-0.04	
Production and distribution of non-nuclear electricity	secE23	0.12	0.10	0.77
Land transport; water transport; transport via pipelines	secE24	-0.12	-0.09	-0.17
Air transport	secE25	-0.03	-0.10	-0.04
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.08	-0.06	-0.06
Education	secE28	-0.07	-0.05	-0.08
Health and social work	secE29	-0.08	-0.07	-0.08
Other services	secE30	-0.04	-0.04	-0.06

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.56: Imports by commodities and regions in 2012

Imports	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	-0.01	-0.01	-0.01
Mining of coal and lignite; extraction of peat	comE2	-0.99	-0.62	-0.74
Extraction of crude petroleum	comE4	-0.16	-0.04	-0.03
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	-0.06	-0.04	0.08
Manufacture of food products and beverages	comE6	0.08	0.03	0.03
Manufacture of pulp, paper and paper products	comE7	-0.02	-0.01	-0.01
Coke oven coke	comE8	-0.10	-0.06	
Petroleum coke	comE9	-0.07	-0.04	
Nuclear energy	comE10	0.01	-0.01	
Gasoline	comE11	-0.11	-0.09	-0.11
Heavy oil	comE12	-0.06	-0.03	-0.13
Gas oil	comE13	-0.22	-0.21	-0.15
Coke oven gas	comE14	-0.14	-0.13	
Refinery gas	comE15		-0.04	
Manufacture of chemicals and chemical products	comE17	0.01	-0.01	0.00
Manufacture of other non-metallic mineral products	comE18	-0.03	-0.02	-0.04
Manufacture of basic metals	comE19	-0.09	-0.09	0.07
Manufacture of fabricated metal products	comE20	-0.10	-0.09	-0.11
Manufacture of machinery and equipment n.e.c.	comE21	-0.21	-0.21	-0.26
Manufacture of office machinery and computers	comE22	-0.24	-0.24	-0.23
Manufacture of electrical machinery and apparatus n.e.c.	comE23	-0.13	-0.10	-0.10
Manufacture of radio, television and communication equipment and apparatus	comE24	-0.10	-0.12	-0.11
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	-0.09	-0.11	-0.12
Manufacture of motor vehicles, trailers and semi-trailers	comE26	-0.03	-0.07	-0.10
Manufacture of other transport equipment	comE27	-0.11	-0.14	-0.14
Other manufacturing	comE28	0.03	0.00	-0.02
Production and distribution of natural gas	comE29	-2.67	-3.21	-3.04
Production and distribution of electricity	comE30	0.05	0.04	0.02
Land transport; water transport; transport via pipelines	comE31	0.04	0.02	0.05
Air transport	comE32	-0.01	-0.02	0.01
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.07	0.02	0.01
Education	comE35	0.07	0.06	0.07
Health and social work	comE36	0.06	0.06	0.06
Other services	comE37	0.01	-0.02	-0.05

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.57: Investments by sector and regions in 2012

Investments	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	<b>secE1</b>	-0.31	-0.30	-0.31
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	<b>secE5</b>	-0.31	-0.31	-0.30
Manufacture of food products and beverages	<b>secE6</b>	-0.31	-0.31	-0.30
Manufacture of pulp, paper and paper products	<b>secE7</b>	-0.31	-0.32	-0.30
Manufacture of coke, refined petroleum products and nuclear fuel	<b>secE8</b>	-0.31	-0.30	-0.30
Manufacture of chemicals and chemical products	<b>secE9</b>	-0.31	-0.31	-0.31
Manufacture of other non-metallic mineral products	<b>secE10</b>	-0.32	-0.31	-0.31
Manufacture of basic metals	<b>secE11</b>	-0.32	-0.32	-0.30
Manufacture of fabricated metal products	<b>secE12</b>	-0.32	-0.32	-0.32
Manufacture of machinery and equipment n.e.c.	<b>secE13</b>	-0.33	-0.32	-0.32
Manufacture of office machinery and computers	<b>secE14</b>	-0.33	-0.32	-0.30
Manufacture of electrical machinery and apparatus n.e.c.	<b>secE15</b>	-0.32	-0.31	-0.31
Manufacture of radio, television and communication equipment and apparatus	<b>secE16</b>	-0.32	-0.31	-0.31
Manufacture of medical, precision and optical instruments, watches and clocks	<b>secE17</b>	-0.31	-0.32	-0.31
Manufacture of motor vehicles, trailers and semi-trailers	<b>secE18</b>	-0.33	-0.31	-0.33
Manufacture of other transport equipment	<b>secE19</b>	-0.32	-0.32	-0.31
Other manufacturing	<b>secE20</b>	-0.31	-0.31	-0.30
Production and distribution of natural gas	<b>secE21</b>	-0.38	-0.37	-0.36
Production and distribution of nuclear electricity	<b>secE22</b>	-0.31	-0.31	
Production and distribution of non-nuclear electricity	<b>secE23</b>	-0.30	-0.30	-0.29
Land transport; water transport; transport via pipelines	<b>secE24</b>	-0.32	-0.31	-0.32
Air transport	<b>secE25</b>	-0.31	-0.31	-0.30
Supporting and auxiliary transport activities; activities of travel agencies	<b>secE26</b>	-0.31	-0.31	-0.30
Public administration and defence; compulsory social security	<b>secE27</b>	-0.30	-0.32	-0.29
Education	<b>secE28</b>	-0.32	-0.30	-0.32
Health and social work	<b>secE29</b>	-0.30	-0.30	-0.30
Other services	<b>secE30</b>	-0.31	-0.31	-0.30

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.58: Use of coal in 2012

Mining of coal and lignite; extraction of peat	Sectors	Regions		
		wal	vla	bru
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.03	-0.07	
Manufacture of food products and beverages	secE6		-0.08	
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.16	-0.04	
Manufacture of chemicals and chemical products	secE9	-0.05	-0.03	-0.10
Manufacture of other non-metallic mineral products	secE10	-0.08	-0.15	
Manufacture of basic metals	secE11	-0.14	-0.13	
Other manufacturing	secE20	-0.10	-0.14	-0.16
Production and distribution of natural gas	secE21	-0.36	-0.36	-0.27
Production and distribution of non-nuclear electricity	secE23	-0.16	-0.06	
Public administration and defence; compulsory social security	secE27	0.02	0.00	-0.03
Other services	secE30	-0.02	-0.02	-0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.59: Use of petroleum coke in 2012

Petroleum coke	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.04	
Manufacture of other non-metallic mineral products	secE10	-0.08		

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.60: Use of gasoline in 2012

Gasoline	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.01	0.02	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.03	-0.07	-0.05
Manufacture of food products and beverages	secE6	-0.06	-0.08	-0.11
Manufacture of pulp, paper and paper products	secE7	-0.09	-0.15	-0.06
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.16	-0.04	-0.03
Manufacture of chemicals and chemical products	secE9	-0.05	-0.03	-0.10
Manufacture of other non-metallic mineral products	secE10	-0.07	-0.15	-0.13
Manufacture of basic metals	secE11	-0.14	-0.13	0.02
Manufacture of fabricated metal products	secE12	-0.07	-0.07	-0.08
Manufacture of machinery and equipment n.e.c.	secE13	-0.17	-0.16	-0.20
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.21	-0.08	-0.14
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.01	-0.10	-0.11
Manufacture of other transport equipment	secE19	-0.34	-0.25	-0.23
Other manufacturing	secE20	-0.10	-0.14	-0.16
Production and distribution of non-nuclear electricity	secE23	-0.16	-0.06	0.20
Land transport; water transport; transport via pipelines	secE24	-0.05	-0.03	-0.08
Air transport	secE25	-0.03	-0.08	-0.02
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.01	-0.01	-0.01
Public administration and defence; compulsory social security	secE27	0.02	0.00	-0.03
Education	secE28	-0.04	0.00	-0.11
Health and social work	secE29	-0.02	-0.02	-0.12
Other services	secE30	-0.03	-0.02	-0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.61: Use of heavy oil in 2012

Heavy oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		0.02	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.07	
Manufacture of food products and beverages	secE6	-0.06	-0.08	-0.11
Manufacture of pulp, paper and paper products	secE7	-0.09	-0.15	-0.06
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.04	
Manufacture of chemicals and chemical products	secE9	-0.05	-0.03	
Manufacture of other non-metallic mineral products	secE10	-0.08	-0.15	
Manufacture of basic metals	secE11	-0.14	-0.13	
Manufacture of fabricated metal products	secE12	-0.07	-0.07	-0.08
Manufacture of machinery and equipment n.e.c.	secE13	-0.17	-0.16	-0.20
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.21	-0.08	-0.14
Other manufacturing	secE20	-0.10	-0.14	-0.16
Production and distribution of non-nuclear electricity	secE23	-0.16	-0.06	
Other services	secE30	-0.03	-0.02	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.62: Use of gas oil in 2012

Gas oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.01	0.02	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.07	
Manufacture of food products and beverages	secE6	-0.06	-0.08	-0.11
Manufacture of pulp, paper and paper products	secE7	-0.09	-0.15	-0.06
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.16	-0.04	
Manufacture of chemicals and chemical products	secE9	-0.05	-0.03	-0.10
Manufacture of other non-metallic mineral products	secE10	-0.08	-0.15	-0.13
Manufacture of basic metals	secE11	-0.14	-0.13	0.02
Manufacture of fabricated metal products	secE12	-0.07	-0.07	-0.08
Manufacture of machinery and equipment n.e.c.	secE13	-0.17	-0.16	-0.20
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.21	-0.08	-0.14
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.19	-0.20	-0.19
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.12	-0.15	-0.10
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.01	-0.10	-0.11
Manufacture of other transport equipment	secE19	-0.34	-0.25	-0.23
Other manufacturing	secE20	-0.10	-0.14	-0.16
Production and distribution of non-nuclear electricity	secE23	-0.16	-0.06	0.20
Land transport; water transport; transport via pipelines	secE24	-0.05	-0.03	-0.08
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.01	-0.01	-0.01
Public administration and defence; compulsory social security	secE27	0.02	0.00	-0.03
Education	secE28	-0.04	0.00	-0.11
Health and social work	secE29	-0.02	-0.02	-0.12
Other services	secE30	-0.03	-0.02	-0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.63: Use of coke oven gas in 2012

Coke oven gas	Sectors	Regions		
		wal	vla	bru
Manufacture of basic metals	secE11	-0.14	-0.13	
Production and distribution of non-nuclear electricity	secE23	-0.16	-0.06	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.64: Use of refinery gas in 2012

Refinery gas	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.04	-0.04	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.65: Use of natural gas in 2012

Natural gas	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		0.37	
Manufacture of food products and beverages	secE6	0.21	0.23	0.22
Manufacture of pulp, paper and paper products	secE7	0.18	0.16	0.28
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.04	
Manufacture of chemicals and chemical products	secE9	0.22	0.27	0.24
Manufacture of other non-metallic mineral products	secE10	0.24	0.20	0.25
Manufacture of basic metals	secE11	0.13	0.18	0.36
Manufacture of fabricated metal products	secE12	0.15	0.18	0.20
Manufacture of machinery and equipment n.e.c.	secE13	0.06	0.09	0.09
Manufacture of office machinery and computers	secE14	0.07	0.14	0.12
Manufacture of electrical machinery and apparatus n.e.c.	secE15	0.01	0.17	0.14
Manufacture of radio, television and communication equipment and apparatus	secE16	0.03	0.05	0.09
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.10	0.11	0.17
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.22	0.15	0.18
Manufacture of other transport equipment	secE19	-0.03	0.11	0.16
Other manufacturing	secE20	0.31	0.33	0.35
Production and distribution of natural gas	secE21	-0.36	-0.36	-0.27
Production and distribution of non-nuclear electricity	secE23	0.24	0.39	0.69
Land transport; water transport; transport via pipelines	secE24	0.14	0.18	0.17
Supporting and auxiliary transport activities; activities of travel agencies	secE26	0.18	0.21	0.23
Public administration and defence; compulsory social security	secE27	0.44	0.49	0.50
Education	secE28	0.39	0.48	0.43
Health and social work	secE29	0.37	0.43	0.37
Other services	secE30	0.37	0.42	0.45

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.66: Use of electricity in 2012

Electricity	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.01	0.05	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.07	
Manufacture of food products and beverages	secE6	0.01	0.02	0.06
Manufacture of pulp, paper and paper products	secE7	0.00	0.00	0.12
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.16	-0.04	-0.03
Manufacture of chemicals and chemical products	secE9	0.00	-0.01	0.07
Manufacture of other non-metallic mineral products	secE10	-0.02	0.02	0.11
Manufacture of basic metals	secE11	-0.12	-0.09	0.12
Manufacture of fabricated metal products	secE12	-0.06	-0.05	-0.05
Manufacture of machinery and equipment n.e.c.	secE13	-0.13	-0.10	-0.10
Manufacture of office machinery and computers	secE14	-0.05	0.01	-0.02
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.17	-0.05	-0.04
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.11	-0.10	-0.06
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.06	-0.06	0.02
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.04	-0.04	0.01
Manufacture of other transport equipment	secE19	-0.25	-0.13	-0.05
Other manufacturing	secE20	0.03	0.01	0.13
Production and distribution of non-nuclear electricity	secE23	0.13	0.12	0.68
Land transport; water transport; transport via pipelines	secE24	-0.05	-0.03	-0.08
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.01	0.00	0.00
Public administration and defence; compulsory social security	secE27	0.07	0.05	0.08
Education	secE28	0.05	0.08	0.10
Health and social work	secE29	0.06	0.06	0.08
Other services	secE30	-0.01	0.00	-0.01

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

**6.4.4. A tax of 20€ per ton of CO<sub>2</sub> emissions generated by the consumption of coal, gasoline, gas oil and natural gas for heating and transportation by the households.**

Table 6.67: Macroeconomic impacts

	2005	2006	2007	2008	2009	2010	2011	2012
GDP (% change)	-0.01	-0.03	-0.04	-0.05	-0.07	-0.08	-0.09	-0.11
National savings (% change)	-0.12	-0.23	-0.34	-0.45	-0.55	-0.64	-0.75	-0.85
Labor supply (% change)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unemployment rate (%)	8.29	8.25	8.27	8.30	8.31	8.32	8.31	8.30
Exchange rate (% change)	-0.02	-0.05	-0.07	-0.09	-0.11	-0.13	-0.15	-0.17
CO <sub>2</sub> tax revenues (mil EUR)	41	82	123	165	206	248	292	337
Income tax (% change)	-0.12	-0.24	-0.35	-0.46	-0.57	-0.67	-0.77	-0.87

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.68: CO<sub>2</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CO <sub>2</sub> emissions		-0.16	-0.31	-0.47	-0.62	-0.78	-0.96	-1.11	-1.26
National CO <sub>2</sub> emissions (kt)		123,054	123,394	124,699	125,967	127,254	127,075	127,188	127,315
Regional CO <sub>2</sub> emissions	<b>wal</b>	-0.16	-0.32	-0.48	-0.63	-0.79	-0.97	-1.13	-1.28
Regional CO <sub>2</sub> emissions	<b>via</b>	-0.14	-0.29	-0.44	-0.58	-0.74	-0.89	-1.04	-1.17
Regional CO <sub>2</sub> emissions	<b>bru</b>	-0.31	-0.62	-0.93	-1.24	-1.55	-1.87	-2.16	-2.45
Regional CO <sub>2</sub> emissions (kt)	<b>wal</b>	43,768	44,155	44,884	45,591	46,329	45,592	45,807	46,026
Regional CO <sub>2</sub> emissions (kt)	<b>via</b>	75,333	75,233	75,660	76,073	76,467	76,856	76,692	76,536
Regional CO <sub>2</sub> emissions (kt)	<b>bru</b>	3,953	4,006	4,154	4,303	4,458	4,626	4,689	4,753
Household CO <sub>2</sub> emissions	<b>wal</b>	-0.58	-1.14	-1.69	-2.23	-2.75	-3.27	-3.77	-4.26
Household CO <sub>2</sub> emissions	<b>via</b>	-0.53	-1.04	-1.55	-2.05	-2.54	-3.03	-3.50	-3.96
Household CO <sub>2</sub> emissions	<b>bru</b>	-0.58	-1.14	-1.70	-2.25	-2.79	-3.33	-3.84	-4.35
Household CO <sub>2</sub> emissions (kt)	<b>wal</b>	11,547	11,774	12,020	12,277	12,557	12,867	12,924	12,981
Household CO <sub>2</sub> emissions (kt)	<b>via</b>	21,218	21,405	21,746	22,100	22,487	22,929	22,848	22,770
Household CO <sub>2</sub> emissions (kt)	<b>bru</b>	2,266	2,296	2,393	2,492	2,596	2,712	2,744	2,778

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.69: CO2 emissions by sectors and regions in 2012

CO2 emissions (% change)	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.02	0.09	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.06	-0.14	-0.10
Manufacture of food products and beverages	secE6	0.04	0.12	0.06
Manufacture of pulp, paper and paper products	secE7	-0.06	0.18	0.13
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.31	-0.07	-0.07
Manufacture of chemicals and chemical products	secE9	0.31	0.30	0.03
Manufacture of other non-metallic mineral products	secE10	-0.04	0.13	0.11
Manufacture of basic metals	secE11	-0.11	-0.15	0.02
Manufacture of fabricated metal products	secE12	0.09	0.22	0.23
Manufacture of machinery and equipment n.e.c.	secE13	-0.09	0.04	0.00
Manufacture of office machinery and computers	secE14	0.12	0.26	0.23
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.20	0.19	0.09
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.12	-0.03	0.07
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.01	0.08	0.24
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.22	0.14	0.21
Manufacture of other transport equipment	secE19	-0.32	0.03	0.16
Other manufacturing	secE20	-0.07	0.25	-0.04
Production and distribution of natural gas	secE21	-0.69	-0.70	-0.52
Production and distribution of non-nuclear electricity	secE23	-0.06	0.03	1.23
Land transport; water transport; transport via pipelines	secE24	-0.11	-0.07	-0.15
Supporting and auxiliary transport activities; activities of travel agencies	secE26	0.11	0.17	0.18
Public administration and defence; compulsory social security	secE27	0.34	0.41	0.53
Education	secE28	0.24	0.42	0.40
Health and social work	secE29	0.24	0.33	0.50
Other services	secE30	0.16	0.32	0.48

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.70: CH<sub>4</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CH <sub>4</sub> emissions		0.00	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.05
National CH <sub>4</sub> emissions (kt)		7,834	7,757	7,683	7,611	7,542	7,475	7,405	7,337
Regional CH <sub>4</sub> emissions	<b>wal</b>	-0.01	-0.02	-0.03	-0.04	-0.05	-0.07	-0.08	-0.10
Regional CH <sub>4</sub> emissions	<b>vla</b>	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02
Regional CH <sub>4</sub> emissions	<b>bru</b>	-0.14	-0.29	-0.44	-0.60	-0.77	-0.95	-1.10	-1.25
Regional CH <sub>4</sub> emissions (kt)	<b>wal</b>	2,384	2,361	2,338	2,316	2,295	2,275	2,252	2,230
Regional CH <sub>4</sub> emissions (kt)	<b>vla</b>	5,440	5,387	5,335	5,285	5,236	5,189	5,141	5,095
Regional CH <sub>4</sub> emissions (kt)	<b>bru</b>	9	9	10	10	11	11	11	11
Household CH <sub>4</sub> emissions	<b>wal</b>	-0.32	-0.65	-0.98	-1.30	-1.64	-1.97	-2.28	-2.60
Household CH <sub>4</sub> emissions	<b>vla</b>	-0.31	-0.62	-0.94	-1.26	-1.58	-1.90	-2.21	-2.51
Household CH <sub>4</sub> emissions	<b>bru</b>	-0.28	-0.56	-0.85	-1.15	-1.46	-1.78	-2.07	-2.35
Household CH <sub>4</sub> emissions (kt)	<b>wal</b>	57	59	61	63	66	68	70	71
Household CH <sub>4</sub> emissions (kt)	<b>vla</b>	21	22	23	24	25	26	26	27
Household CH <sub>4</sub> emissions (kt)	<b>bru</b>	4	4	5	5	5	6	6	6

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.71: N<sub>2</sub>O emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National N <sub>2</sub> O emissions		-0.02	-0.04	-0.06	-0.09	-0.11	-0.14	-0.17	-0.20
National N <sub>2</sub> O emissions (kt)		11,561	11,444	11,339	11,236	11,139	11,044	10,924	10,808
Regional N <sub>2</sub> O emissions	<b>wal</b>	0.00	-0.01	-0.02	-0.02	-0.03	-0.03	-0.04	-0.05
Regional N <sub>2</sub> O emissions	<b>vla</b>	-0.02	-0.05	-0.08	-0.11	-0.14	-0.18	-0.22	-0.25
Regional N <sub>2</sub> O emissions	<b>bru</b>	-0.12	-0.24	-0.38	-0.51	-0.66	-0.81	-0.94	-1.07
Regional N <sub>2</sub> O emissions (kt)	<b>wal</b>	3,757	3,698	3,643	3,589	3,536	3,485	3,429	3,374
Regional N <sub>2</sub> O emissions (kt)	<b>vla</b>	7,700	7,640	7,586	7,533	7,483	7,433	7,368	7,305
Regional N <sub>2</sub> O emissions (kt)	<b>bru</b>	104	105	110	115	120	126	127	129
Household N <sub>2</sub> O emissions	<b>wal</b>	-0.32	-0.65	-0.98	-1.30	-1.64	-1.97	-2.28	-2.60
Household N <sub>2</sub> O emissions	<b>vla</b>	-0.31	-0.62	-0.94	-1.26	-1.58	-1.90	-2.21	-2.51
Household N <sub>2</sub> O emissions	<b>bru</b>	-0.28	-0.56	-0.85	-1.15	-1.46	-1.78	-2.07	-2.35
Household N <sub>2</sub> O emissions (kt)	<b>wal</b>	18	18	19	20	21	21	22	22
Household N <sub>2</sub> O emissions (kt)	<b>vla</b>	475	492	510	530	551	575	585	595
Household N <sub>2</sub> O emissions (kt)	<b>bru</b>	43	44	46	49	52	55	56	56

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.72: Production by sector and by region in 2012

Domestic production	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.00	0.00	0.00
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.06	-0.14	-0.10
Manufacture of food products and beverages	secE6	-0.09	-0.04	-0.11
Manufacture of pulp, paper and paper products	secE7	-0.09	-0.09	-0.01
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.31	-0.07	-0.06
Manufacture of chemicals and chemical products	secE9	-0.05	-0.05	-0.02
Manufacture of other non-metallic mineral products	secE10	-0.07	-0.05	0.04
Manufacture of basic metals	secE11	-0.28	-0.26	0.21
Manufacture of fabricated metal products	secE12	-0.22	-0.18	-0.25
Manufacture of machinery and equipment n.e.c.	secE13	-0.33	-0.27	-0.32
Manufacture of office machinery and computers	secE14	-0.10	-0.03	-0.09
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.51	-0.13	-0.25
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.32	-0.32	-0.25
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.18	-0.20	-0.02
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.10	-0.15	-0.11
Manufacture of other transport equipment	secE19	-0.55	-0.29	-0.18
Other manufacturing	secE20	-0.05	-0.03	-0.04
Production and distribution of natural gas	secE21	-0.69	-0.69	-0.52
Production and distribution of nuclear electricity	secE22	-0.01	0.00	
Production and distribution of non-nuclear electricity	secE23	0.16	0.14	0.81
Land transport; water transport; transport via pipelines	secE24	-0.12	-0.09	-0.18
Air transport	secE25	-0.06	-0.18	-0.07
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.07	-0.07	-0.06
Public administration and defence; compulsory social security	secE27	-0.01	0.03	-0.01
Education	secE28	0.00	0.01	-0.01
Health and social work	secE29	-0.02	-0.01	-0.02
Other services	secE30	-0.06	-0.05	-0.08

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.73: Employment by sector and by region in 2012

Employment	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.02	0.02	-0.02
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.09	-0.16	-0.14
Manufacture of food products and beverages	secE6	-0.14	-0.05	-0.18
Manufacture of pulp, paper and paper products	secE7	-0.16	-0.16	-0.12
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	0.08	-0.13	-0.14
Manufacture of chemicals and chemical products	secE9	-0.08	-0.08	-0.08
Manufacture of other non-metallic mineral products	secE10	-0.12	-0.09	-0.05
Manufacture of basic metals	secE11	-0.36	-0.32	-0.04
Manufacture of fabricated metal products	secE12	-0.28	-0.25	-0.30
Manufacture of machinery and equipment n.e.c.	secE13	-0.42	-0.35	-0.38
Manufacture of office machinery and computers	secE14	-0.29	-0.09	-0.21
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.54	-0.18	-0.30
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.35	-0.33	-0.29
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.25	-0.24	-0.09
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.02	-0.19	-0.16
Manufacture of other transport equipment	secE19	-0.59	-0.33	-0.24
Other manufacturing	secE20	-0.09	-0.06	-0.07
Production and distribution of natural gas	secE21	-1.68	-1.68	-1.27
Production and distribution of nuclear electricity	secE22	-0.05	-0.03	
Production and distribution of non-nuclear electricity	secE23	0.10	0.09	0.64
Land transport; water transport; transport via pipelines	secE24	-0.15	-0.11	-0.20
Air transport	secE25	-0.15	-0.23	-0.14
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.12	-0.10	-0.11
Public administration and defence; compulsory social security	secE27	-0.01	0.02	-0.01
Education	secE28	-0.01	0.01	-0.02
Health and social work	secE29	-0.02	0.00	-0.02
Other services	secE30	-0.10	-0.08	-0.11

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.74: Total private consumption in 2012

Private consumption (total)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.16	0.16	0.12
Mining of coal and lignite; extraction of peat	comE2	-20.46	-20.05	-21.76
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.22	0.19	0.21
Manufacture of food products and beverages	comE6	0.11	0.13	0.09
Manufacture of pulp, paper and paper products	comE7	0.25	0.25	0.17
Gasoline	comE11	-0.53	-0.54	-0.61
Gas oil	comE13	-3.21	-3.23	-3.25
Manufacture of chemicals and chemical products	comE17	0.22	0.24	0.18
Manufacture of other non-metallic mineral products	comE18	0.26	0.26	0.19
Manufacture of basic metals	comE19	0.25	0.25	0.17
Manufacture of fabricated metal products	comE20	0.26	0.25	0.20
Manufacture of machinery and equipment n.e.c.	comE21	0.29	0.27	0.21
Manufacture of office machinery and computers	comE22	0.24	0.26	0.18
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.25	0.24	0.16
Manufacture of radio, television and communication equipment and apparatus	comE24	0.20	0.22	0.13
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.24	0.25	0.18
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.22	0.24	0.19
Manufacture of other transport equipment	comE27	0.26	0.25	0.19
Other manufacturing	comE28	0.21	0.23	0.17
Production and distribution of natural gas	comE29	-6.08	-6.07	-6.05
Production and distribution of electricity	comE30	0.23	0.23	0.17
Land transport; water transport; transport via pipelines	comE31	0.22	0.22	0.12
Air transport	comE32	0.34	0.29	0.19
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.24	0.27	0.20
Public administration and defence; compulsory social security	comE34	0.17	0.16	0.11
Education	comE35	0.15	0.15	0.08
Health and social work	comE36	0.14	0.14	0.09
Other services	comE37	0.23	0.23	0.18

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.75: Private consumption (first income group) in 2012

Private consumption (first income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.10	0.10	0.08
Mining of coal and lignite; extraction of peat	comE2	-19.74	-19.29	-20.07
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.15	0.15	0.11
Manufacture of food products and beverages	comE6	0.05	0.08	0.06
Manufacture of pulp, paper and paper products	comE7	0.15	0.14	0.10
Gasoline	comE11	-0.57	-0.55	-0.62
Gas oil	comE13	-3.08	-2.98	-3.06
Manufacture of chemicals and chemical products	comE17	0.12	0.14	0.11
Manufacture of other non-metallic mineral products	comE18	0.15	0.15	0.13
Manufacture of basic metals	comE19	0.15	0.15	0.11
Manufacture of fabricated metal products	comE20	0.15	0.15	0.12
Manufacture of machinery and equipment n.e.c.	comE21	0.20	0.16	0.14
Manufacture of office machinery and computers	comE22	0.14	0.14	0.11
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.14	0.14	0.11
Manufacture of radio, television and communication equipment and apparatus	comE24	0.11	0.13	0.07
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.14	0.14	0.12
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.12	0.14	0.12
Manufacture of other transport equipment	comE27	0.14	0.14	0.11
Other manufacturing	comE28	0.11	0.12	0.10
Production and distribution of natural gas	comE29	-5.78	-5.50	-5.69
Production and distribution of electricity	comE30	0.14	0.14	0.12
Land transport; water transport; transport via pipelines	comE31	0.11	0.12	0.07
Air transport	comE32	0.18	0.18	0.12
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.12	0.15	0.11
Public administration and defence; compulsory social security	comE34	0.06	0.05	0.04
Education	comE35	0.04	0.05	0.01
Health and social work	comE36	0.06	0.07	0.04
Other services	comE37	0.13	0.14	0.11

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.76: Private consumption (second income group) in 2012

Private consumption (second income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.20	0.20	0.14
Mining of coal and lignite; extraction of peat	comE2	-21.46	-22.08	-21.97
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.30	0.30	0.22
Manufacture of food products and beverages	comE6	0.14	0.17	0.11
Manufacture of pulp, paper and paper products	comE7	0.30	0.30	0.20
Gasoline	comE11	-0.51	-0.54	-0.61
Gas oil	comE13	-3.29	-3.39	-3.36
Manufacture of chemicals and chemical products	comE17	0.27	0.29	0.21
Manufacture of other non-metallic mineral products	comE18	0.30	0.30	0.23
Manufacture of basic metals	comE19	0.30	0.31	0.21
Manufacture of fabricated metal products	comE20	0.30	0.30	0.22
Manufacture of machinery and equipment n.e.c.	comE21	0.34	0.31	0.24
Manufacture of office machinery and computers	comE22	0.28	0.29	0.21
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.28	0.28	0.20
Manufacture of radio, television and communication equipment and apparatus	comE24	0.24	0.27	0.16
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.28	0.29	0.21
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.25	0.28	0.22
Manufacture of other transport equipment	comE27	0.28	0.28	0.20
Other manufacturing	comE28	0.24	0.26	0.20
Production and distribution of natural gas	comE29	-6.33	-6.43	-6.31
Production and distribution of electricity	comE30	0.28	0.28	0.21
Land transport; water transport; transport via pipelines	comE31	0.25	0.26	0.17
Air transport	comE32	0.36	0.36	0.24
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.28	0.31	0.22
Public administration and defence; compulsory social security	comE34	0.18	0.18	0.13
Education	comE35	0.16	0.17	0.09
Health and social work	comE36	0.19	0.19	0.12
Other services	comE37	0.27	0.28	0.21

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.77: Exports by sectors and regions in 2012

Exports	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.01	0.01	0.01
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.05	-0.19	
Manufacture of food products and beverages	secE6	-0.15	-0.09	-0.15
Manufacture of pulp, paper and paper products	secE7	-0.12	-0.09	-0.01
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.33	-0.05	0.01
Manufacture of chemicals and chemical products	secE9	-0.07	-0.06	-0.02
Manufacture of other non-metallic mineral products	secE10	-0.07	-0.05	0.10
Manufacture of basic metals	secE11	-0.28	-0.27	0.22
Manufacture of fabricated metal products	secE12	-0.24	-0.18	-0.27
Manufacture of machinery and equipment n.e.c.	secE13	-0.27	-0.22	-0.30
Manufacture of office machinery and computers	secE14	0.04	-0.03	-0.03
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.54	-0.13	-0.25
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.35	-0.35	-0.26
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.16	-0.19	0.00
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.15	-0.16	-0.11
Manufacture of other transport equipment	secE19	-0.57	-0.29	-0.17
Other manufacturing	secE20	-0.09	-0.06	-0.06
Production and distribution of natural gas	secE21	3.70	3.73	3.04
Production and distribution of nuclear electricity	secE22	-0.09	-0.08	
Production and distribution of non-nuclear electricity	secE23	0.23	0.19	1.45
Land transport; water transport; transport via pipelines	secE24	-0.25	-0.18	-0.34
Air transport	secE25	-0.07	-0.20	-0.08
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.15	-0.13	-0.11
Education	secE28	-0.14	-0.11	-0.15
Health and social work	secE29	-0.16	-0.13	-0.16
Other services	secE30	-0.08	-0.07	-0.11

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.78: Imports by commodities and regions in 2012

Imports	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	-0.02	-0.02	-0.01
Mining of coal and lignite; extraction of peat	comE2	-1.73	-1.10	-1.30
Extraction of crude petroleum	comE4	-0.31	-0.07	-0.06
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	-0.13	-0.08	0.13
Manufacture of food products and beverages	comE6	0.16	0.07	0.05
Manufacture of pulp, paper and paper products	comE7	-0.05	-0.03	-0.02
Coke oven coke	comE8	-0.20	-0.12	
Petroleum coke	comE9	-0.14	-0.07	
Nuclear energy	comE10	0.02	-0.01	
Gasoline	comE11	-0.22	-0.18	-0.22
Heavy oil	comE12	-0.12	-0.07	-0.25
Gas oil	comE13	-0.43	-0.41	-0.29
Coke oven gas	comE14	-0.28	-0.26	
Refinery gas	comE15		-0.07	
Manufacture of chemicals and chemical products	comE17	0.01	-0.01	-0.01
Manufacture of other non-metallic mineral products	comE18	-0.05	-0.05	-0.08
Manufacture of basic metals	comE19	-0.17	-0.19	0.11
Manufacture of fabricated metal products	comE20	-0.21	-0.18	-0.22
Manufacture of machinery and equipment n.e.c.	comE21	-0.41	-0.42	-0.52
Manufacture of office machinery and computers	comE22	-0.47	-0.49	-0.47
Manufacture of electrical machinery and apparatus n.e.c.	comE23	-0.26	-0.19	-0.21
Manufacture of radio, television and communication equipment and apparatus	comE24	-0.21	-0.25	-0.22
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	-0.17	-0.23	-0.25
Manufacture of motor vehicles, trailers and semi-trailers	comE26	-0.06	-0.15	-0.20
Manufacture of other transport equipment	comE27	-0.23	-0.27	-0.28
Other manufacturing	comE28	0.05	0.01	-0.04
Production and distribution of natural gas	comE29	-5.00	-6.00	-5.69
Production and distribution of electricity	comE30	0.10	0.08	0.03
Land transport; water transport; transport via pipelines	comE31	0.08	0.04	0.09
Air transport	comE32	-0.02	-0.05	0.02
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.14	0.04	0.02
Education	comE35	0.14	0.13	0.13
Health and social work	comE36	0.12	0.12	0.11
Other services	comE37	0.01	-0.03	-0.10

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.79: Investments by sector and regions in 2012

Investments	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.62	-0.61	-0.62
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.61	-0.62	-0.61
Manufacture of food products and beverages	secE6	-0.61	-0.61	-0.60
Manufacture of pulp, paper and paper products	secE7	-0.62	-0.63	-0.60
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.62	-0.59	-0.60
Manufacture of chemicals and chemical products	secE9	-0.61	-0.61	-0.63
Manufacture of other non-metallic mineral products	secE10	-0.64	-0.62	-0.61
Manufacture of basic metals	secE11	-0.63	-0.63	-0.60
Manufacture of fabricated metal products	secE12	-0.63	-0.63	-0.63
Manufacture of machinery and equipment n.e.c.	secE13	-0.65	-0.63	-0.64
Manufacture of office machinery and computers	secE14	-0.65	-0.63	-0.60
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.64	-0.62	-0.63
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.63	-0.63	-0.62
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.62	-0.63	-0.62
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.65	-0.62	-0.65
Manufacture of other transport equipment	secE19	-0.64	-0.63	-0.62
Other manufacturing	secE20	-0.62	-0.61	-0.61
Production and distribution of natural gas	secE21	-0.75	-0.73	-0.71
Production and distribution of nuclear electricity	secE22	-0.63	-0.62	
Production and distribution of non-nuclear electricity	secE23	-0.61	-0.61	-0.57
Land transport; water transport; transport via pipelines	secE24	-0.64	-0.62	-0.63
Air transport	secE25	-0.62	-0.62	-0.60
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.62	-0.61	-0.60
Public administration and defence; compulsory social security	secE27	-0.60	-0.63	-0.59
Education	secE28	-0.64	-0.61	-0.63
Health and social work	secE29	-0.61	-0.61	-0.59
Other services	secE30	-0.61	-0.61	-0.60

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.80: Use of coal in 2012

Mining of coal and lignite; extraction of peat	Sectors	Regions		
		wal	vla	bru
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.06	-0.14	
Manufacture of food products and beverages	secE6		-0.15	
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.31	-0.07	
Manufacture of chemicals and chemical products	secE9	-0.10	-0.07	-0.20
Manufacture of other non-metallic mineral products	secE10	-0.15	-0.29	
Manufacture of basic metals	secE11	-0.28	-0.26	
Other manufacturing	secE20	-0.19	-0.26	-0.30
Production and distribution of natural gas	secE21	-0.69	-0.70	-0.52
Production and distribution of non-nuclear electricity	secE23	-0.30	-0.12	
Public administration and defence; compulsory social security	secE27	0.03	0.00	-0.06
Other services	secE30	-0.05	-0.04	-0.07

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.81: Use of petroleum coke in 2012

Petroleum coke	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.07	
Manufacture of other non-metallic mineral products	secE10	-0.15		

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.82: Use of gasoline in 2012

Gasoline	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.02	0.04	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.06	-0.14	-0.10
Manufacture of food products and beverages	secE6	-0.12	-0.15	-0.22
Manufacture of pulp, paper and paper products	secE7	-0.17	-0.28	-0.11
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.31	-0.07	-0.07
Manufacture of chemicals and chemical products	secE9	-0.10	-0.07	-0.20
Manufacture of other non-metallic mineral products	secE10	-0.15	-0.28	-0.25
Manufacture of basic metals	secE11	-0.28	-0.26	0.02
Manufacture of fabricated metal products	secE12	-0.15	-0.14	-0.16
Manufacture of machinery and equipment n.e.c.	secE13	-0.33	-0.32	-0.39
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.42	-0.15	-0.28
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.02	-0.20	-0.20
Manufacture of other transport equipment	secE19	-0.67	-0.48	-0.44
Other manufacturing	secE20	-0.19	-0.26	-0.30
Production and distribution of non-nuclear electricity	secE23	-0.30	-0.12	0.37
Land transport; water transport; transport via pipelines	secE24	-0.11	-0.07	-0.15
Air transport	secE25	-0.06	-0.15	-0.04
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.03	-0.02	-0.02
Public administration and defence; compulsory social security	secE27	0.03	0.00	-0.06
Education	secE28	-0.08	0.00	-0.20
Health and social work	secE29	-0.05	-0.03	-0.22
Other services	secE30	-0.05	-0.04	-0.07

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.83: Use of heavy oil in 2012

Heavy oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		0.04	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.14	
Manufacture of food products and beverages	secE6	-0.12	-0.15	-0.22
Manufacture of pulp, paper and paper products	secE7	-0.17	-0.28	-0.11
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.07	
Manufacture of chemicals and chemical products	secE9	-0.10	-0.07	
Manufacture of other non-metallic mineral products	secE10	-0.15	-0.29	
Manufacture of basic metals	secE11	-0.28	-0.26	
Manufacture of fabricated metal products	secE12	-0.15	-0.14	-0.16
Manufacture of machinery and equipment n.e.c.	secE13	-0.33	-0.32	-0.39
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.42	-0.15	-0.28
Other manufacturing	secE20	-0.19	-0.26	-0.30
Production and distribution of non-nuclear electricity	secE23	-0.30	-0.12	
Other services	secE30	-0.05	-0.04	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.84: Use of gas oil in 2012

Gas oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.02	0.04	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.14	
Manufacture of food products and beverages	secE6	-0.12	-0.15	-0.22
Manufacture of pulp, paper and paper products	secE7	-0.17	-0.28	-0.11
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.31	-0.07	
Manufacture of chemicals and chemical products	secE9	-0.10	-0.07	-0.20
Manufacture of other non-metallic mineral products	secE10	-0.15	-0.29	-0.25
Manufacture of basic metals	secE11	-0.28	-0.26	0.02
Manufacture of fabricated metal products	secE12	-0.15	-0.14	-0.16
Manufacture of machinery and equipment n.e.c.	secE13	-0.33	-0.32	-0.39
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.42	-0.15	-0.28
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.38	-0.39	-0.36
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.24	-0.29	-0.20
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.02	-0.20	-0.20
Manufacture of other transport equipment	secE19	-0.67	-0.48	-0.44
Other manufacturing	secE20	-0.19	-0.26	-0.30
Production and distribution of non-nuclear electricity	secE23	-0.30	-0.12	0.37
Land transport; water transport; transport via pipelines	secE24	-0.11	-0.07	-0.15
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.03	-0.02	-0.02
Public administration and defence; compulsory social security	secE27	0.03	0.00	-0.06
Education	secE28	-0.08	0.00	-0.20
Health and social work	secE29	-0.05	-0.03	-0.22
Other services	secE30	-0.05	-0.04	-0.07

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.85: Use of coke oven gas in 2012

Coke oven gas	Sectors	Regions		
		wal	vla	bru
Manufacture of basic metals	secE11	-0.28	-0.26	
Production and distribution of non-nuclear electricity	secE23	-0.30	-0.12	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.86: Use of refinery gas in 2012

Refinery gas	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.07	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.87: Use of natural gas in 2012

Natural gas	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		0.71	
Manufacture of food products and beverages	secE6	0.39	0.43	0.42
Manufacture of pulp, paper and paper products	secE7	0.33	0.30	0.53
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-0.07	
Manufacture of chemicals and chemical products	secE9	0.41	0.51	0.45
Manufacture of other non-metallic mineral products	secE10	0.45	0.38	0.48
Manufacture of basic metals	secE11	0.23	0.32	0.66
Manufacture of fabricated metal products	secE12	0.28	0.34	0.37
Manufacture of machinery and equipment n.e.c.	secE13	0.10	0.16	0.15
Manufacture of office machinery and computers	secE14	0.12	0.26	0.23
Manufacture of electrical machinery and apparatus n.e.c.	secE15	0.00	0.33	0.25
Manufacture of radio, television and communication equipment and apparatus	secE16	0.04	0.08	0.16
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.18	0.19	0.33
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.41	0.28	0.34
Manufacture of other transport equipment	secE19	-0.08	0.19	0.30
Other manufacturing	secE20	0.58	0.62	0.66
Production and distribution of natural gas	secE21	-0.69	-0.70	-0.52
Production and distribution of non-nuclear electricity	secE23	0.45	0.73	1.31
Land transport; water transport; transport via pipelines	secE24	0.26	0.35	0.31
Supporting and auxiliary transport activities; activities of travel agencies	secE26	0.34	0.39	0.43
Public administration and defence; compulsory social security	secE27	0.84	0.92	0.96
Education	secE28	0.74	0.91	0.82
Health and social work	secE29	0.70	0.81	0.70
Other services	secE30	0.69	0.80	0.85

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.88: Use of electricity in 2012

Electricity	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.02	0.09	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		-0.14	
Manufacture of food products and beverages	secE6	0.02	0.03	0.11
Manufacture of pulp, paper and paper products	secE7	0.00	0.00	0.23
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.31	-0.07	-0.07
Manufacture of chemicals and chemical products	secE9	-0.01	-0.02	0.13
Manufacture of other non-metallic mineral products	secE10	-0.04	0.04	0.20
Manufacture of basic metals	secE11	-0.24	-0.19	0.21
Manufacture of fabricated metal products	secE12	-0.12	-0.10	-0.10
Manufacture of machinery and equipment n.e.c.	secE13	-0.25	-0.21	-0.20
Manufacture of office machinery and computers	secE14	-0.11	0.01	-0.04
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.34	-0.10	-0.09
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.22	-0.20	-0.12
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.12	-0.12	0.03
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.08	-0.08	0.01
Manufacture of other transport equipment	secE19	-0.49	-0.25	-0.10
Other manufacturing	secE20	0.06	0.02	0.25
Production and distribution of non-nuclear electricity	secE23	0.24	0.23	1.29
Land transport; water transport; transport via pipelines	secE24	-0.11	-0.07	-0.15
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.02	-0.01	0.01
Public administration and defence; compulsory social security	secE27	0.13	0.10	0.15
Education	secE28	0.10	0.16	0.20
Health and social work	secE29	0.11	0.12	0.15
Other services	secE30	-0.02	-0.01	-0.03

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

### 6.4.5. The compliance with the voluntary agreements undertaken in Wallonia and Flanders

Table 6.89: Macroeconomic impacts

	2005	2006	2007	2008	2009	2010	2011	2012
GDP (% change)	0.07	0.13	0.17	0.21	0.23	0.27	0.28	0.29
National savings (% change)	0.06	0.14	0.19	0.23	0.27	0.31	0.32	0.34
Labor supply (% change)	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Unemployment rate (%)	8.22	8.13	8.11	8.12	8.12	8.11	8.09	8.07
Exchange rate (% change)	-0.05	-0.10	-0.13	-0.16	-0.18	-0.21	-0.22	-0.23

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.90: CO<sub>2</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CO2 emissions		-0.30	-0.48	-0.68	-0.90	-0.94	-1.24	-1.27	-1.28
National CO2 emissions (kt)		122,874	123,179	124,433	125,619	127,047	126,708	126,976	127,284
Regional CO2 emissions	<b>wal</b>	-0.04	-0.12	-0.23	-0.32	-0.41	-0.51	-0.55	-0.59
Regional CO2 emissions	<b>vla</b>	-0.47	-0.73	-0.99	-1.31	-1.34	-1.77	-1.80	-1.80
Regional CO2 emissions	<b>bru</b>	0.07	0.15	0.20	0.23	0.26	0.23	0.24	0.27
Regional CO2 emissions (kt)	<b>wal</b>	43,822	44,243	44,993	45,735	46,507	45,807	46,075	46,349
Regional CO2 emissions (kt)	<b>vla</b>	75,084	74,898	75,238	75,516	76,000	76,176	76,097	76,050
Regional CO2 emissions (kt)	<b>bru</b>	3,968	4,037	4,202	4,367	4,540	4,725	4,804	4,885
Household CO2 emissions	<b>wal</b>	0.07	0.15	0.20	0.24	0.28	0.27	0.29	0.32
Household CO2 emissions	<b>vla</b>	0.11	0.20	0.27	0.32	0.35	0.36	0.37	0.41
Household CO2 emissions	<b>bru</b>	0.09	0.18	0.24	0.28	0.31	0.27	0.28	0.32
Household CO2 emissions (kt)	<b>wal</b>	11,623	11,927	12,251	12,587	12,948	13,338	13,469	13,602
Household CO2 emissions (kt)	<b>vla</b>	21,353	21,674	22,147	22,635	23,154	23,730	23,766	23,807
Household CO2 emissions (kt)	<b>bru</b>	2,281	2,327	2,441	2,556	2,679	2,812	2,862	2,913

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.91: CO2 emissions by sectors and regions in 2012

CO2 emissions (% change)	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.04	-0.03	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	0.02	0.48	0.07
Manufacture of food products and beverages	secE6	-5.65	-15.39	-0.07
Manufacture of pulp, paper and paper products	secE7	-12.78	-10.99	0.21
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-4.28	-8.76	-0.05
Manufacture of chemicals and chemical products	secE9	-4.23	-7.05	-0.07
Manufacture of other non-metallic mineral products	secE10	-2.73	-2.55	0.03
Manufacture of basic metals	secE11	-1.48	-3.10	3.48
Manufacture of fabricated metal products	secE12	-10.54	-0.61	0.56
Manufacture of machinery and equipment n.e.c.	secE13	-9.18	0.21	-0.09
Manufacture of office machinery and computers	secE14	0.24	0.09	0.05
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.65	-0.05	-0.19
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.02	0.00	0.05
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.22	0.25	-0.01
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.11	-6.53	-0.01
Manufacture of other transport equipment	secE19	-9.85	-0.45	-0.18
Other manufacturing	secE20	0.06	-2.59	0.09
Production and distribution of natural gas	secE21	-0.33	-0.35	-0.27
Production and distribution of non-nuclear electricity	secE23	-1.05	-0.94	-1.01
Land transport; water transport; transport via pipelines	secE24	-0.03	-0.07	-0.03
Supporting and auxiliary transport activities; activities of travel agencies	secE26	0.02	-0.08	-0.09
Public administration and defence; compulsory social security	secE27	0.54	0.56	0.55
Education	secE28	0.39	0.42	0.38
Health and social work	secE29	1.00	1.00	1.00
Other services	secE30	0.16	0.26	0.23

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.92: CH<sub>4</sub> emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National CH <sub>4</sub> emissions		0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
National CH <sub>4</sub> emissions (kt)		7,835	7,758	7,685	7,614	7,545	7,478	7,409	7,341
Regional CH <sub>4</sub> emissions	<b>wal</b>	0.00	0.00	-0.01	-0.01	-0.02	-0.03	-0.03	-0.04
Regional CH <sub>4</sub> emissions	<b>vla</b>	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03
Regional CH <sub>4</sub> emissions	<b>bru</b>	0.04	0.10	0.12	0.12	0.14	0.05	0.06	0.09
Regional CH <sub>4</sub> emissions (kt)	<b>wal</b>	2,385	2,361	2,339	2,317	2,296	2,276	2,253	2,232
Regional CH <sub>4</sub> emissions (kt)	<b>vla</b>	5,441	5,388	5,337	5,287	5,238	5,191	5,144	5,098
Regional CH <sub>4</sub> emissions (kt)	<b>bru</b>	9	9	10	10	11	11	11	12
Household CH <sub>4</sub> emissions	<b>wal</b>	0.06	0.12	0.16	0.19	0.22	0.19	0.20	0.23
Household CH <sub>4</sub> emissions	<b>vla</b>	0.08	0.15	0.19	0.22	0.25	0.22	0.24	0.27
Household CH <sub>4</sub> emissions	<b>bru</b>	0.06	0.12	0.16	0.16	0.19	0.08	0.10	0.14
Household CH <sub>4</sub> emissions (kt)	<b>wal</b>	57	60	62	64	67	70	71	73
Household CH <sub>4</sub> emissions (kt)	<b>vla</b>	21	22	23	24	25	26	27	27
Household CH <sub>4</sub> emissions (kt)	<b>bru</b>	4	4	5	5	5	6	6	6

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.93: N<sub>2</sub>O emissions

		2005	2006	2007	2008	2009	2010	2011	2012
National N <sub>2</sub> O emissions		-0.11	-0.14	-0.21	-0.34	-0.35	-0.57	-0.60	-0.60
National N <sub>2</sub> O emissions (kt)		11,550	11,433	11,322	11,208	11,112	10,996	10,876	10,765
Regional N <sub>2</sub> O emissions	<b>wal</b>	0.01	0.02	0.03	0.02	0.02	0.00	0.00	0.00
Regional N <sub>2</sub> O emissions	<b>vla</b>	-0.17	-0.22	-0.33	-0.51	-0.54	-0.85	-0.89	-0.88
Regional N <sub>2</sub> O emissions	<b>bru</b>	0.02	0.05	0.06	0.04	0.05	-0.05	-0.04	-0.02
Regional N <sub>2</sub> O emissions (kt)	<b>wal</b>	3,758	3,700	3,645	3,590	3,538	3,486	3,430	3,376
Regional N <sub>2</sub> O emissions (kt)	<b>vla</b>	7,689	7,627	7,567	7,503	7,454	7,384	7,318	7,259
Regional N <sub>2</sub> O emissions (kt)	<b>bru</b>	104	106	110	115	121	127	128	130
Household N <sub>2</sub> O emissions	<b>wal</b>	0.06	0.12	0.16	0.19	0.22	0.19	0.20	0.23
Household N <sub>2</sub> O emissions	<b>vla</b>	0.08	0.15	0.19	0.22	0.25	0.22	0.24	0.27
Household N <sub>2</sub> O emissions	<b>bru</b>	0.06	0.12	0.16	0.16	0.19	0.08	0.10	0.14
Household N <sub>2</sub> O emissions (kt)	<b>wal</b>	18	19	19	20	21	22	22	23
Household N <sub>2</sub> O emissions (kt)	<b>vla</b>	476	496	516	538	561	588	599	612
Household N <sub>2</sub> O emissions (kt)	<b>bru</b>	43	44	47	50	53	56	57	58

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.94: Production by sector and by region in 2012

Domestic production	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.00	0.00	0.00
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	0.02	0.48	0.07
Manufacture of food products and beverages	secE6	0.24	0.55	-0.16
Manufacture of pulp, paper and paper products	secE7	1.49	1.44	0.18
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.79	-6.01	-0.05
Manufacture of chemicals and chemical products	secE9	0.37	0.74	-0.10
Manufacture of other non-metallic mineral products	secE10	0.21	0.04	0.04
Manufacture of basic metals	secE11	5.55	4.73	2.94
Manufacture of fabricated metal products	secE12	0.75	0.18	0.56
Manufacture of machinery and equipment n.e.c.	secE13	0.21	-0.01	-0.21
Manufacture of office machinery and computers	secE14	-0.02	-0.15	-0.02
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.95	-0.33	-0.36
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.17	-0.25	-0.05
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.09	0.03	-0.08
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.25	-0.12	-0.13
Manufacture of other transport equipment	secE19	0.16	-0.64	-0.22
Other manufacturing	secE20	0.03	0.09	0.08
Production and distribution of natural gas	secE21	-0.33	-0.35	-0.27
Production and distribution of nuclear electricity	secE22	-0.51	-0.51	
Production and distribution of non-nuclear electricity	secE23	-0.74	-0.68	-0.73
Land transport; water transport; transport via pipelines	secE24	-0.07	-0.09	-0.05
Air transport	secE25	-0.29	-0.82	-0.18
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.08	-0.23	-0.14
Public administration and defence; compulsory social security	secE27	0.21	0.20	0.25
Education	secE28	0.15	0.09	0.19
Health and social work	secE29	0.46	0.41	0.48
Other services	secE30	0.02	0.00	0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.95: Employment by sector and by region in 2012

Employment	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.04	-0.11	0.00
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	0.02	0.60	0.10
Manufacture of food products and beverages	secE6	-0.16	-0.29	-0.28
Manufacture of pulp, paper and paper products	secE7	0.16	0.87	0.17
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.39	8.09	-0.25
Manufacture of chemicals and chemical products	secE9	0.01	0.21	-0.12
Manufacture of other non-metallic mineral products	secE10	0.04	-0.08	0.01
Manufacture of basic metals	secE11	4.77	4.18	3.55
Manufacture of fabricated metal products	secE12	0.35	0.18	0.59
Manufacture of machinery and equipment n.e.c.	secE13	0.12	-0.03	-0.21
Manufacture of office machinery and computers	secE14	0.01	-0.32	-0.13
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-1.00	-0.44	-0.42
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.20	-0.26	-0.06
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.11	0.04	-0.17
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.31	-0.23	-0.12
Manufacture of other transport equipment	secE19	-0.04	-0.74	-0.30
Other manufacturing	secE20	0.00	-0.02	0.09
Production and distribution of natural gas	secE21	-0.89	-0.91	-0.74
Production and distribution of nuclear electricity	secE22	-0.98	-0.98	
Production and distribution of non-nuclear electricity	secE23	-1.07	-1.05	-1.07
Land transport; water transport; transport via pipelines	secE24	-0.10	-0.13	-0.05
Air transport	secE25	-0.59	-1.00	-0.35
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.18	-0.39	-0.25
Public administration and defence; compulsory social security	secE27	0.24	0.22	0.29
Education	secE28	0.15	0.09	0.19
Health and social work	secE29	0.63	0.57	0.66
Other services	secE30	-0.01	-0.03	0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.96: Total private consumption in 2012

Private consumption (total)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.16	0.21	0.20
Mining of coal and lignite; extraction of peat	comE2	0.29	0.30	0.37
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.25	0.23	0.31
Manufacture of food products and beverages	comE6	0.27	0.23	0.22
Manufacture of pulp, paper and paper products	comE7	0.35	0.52	0.69
Gasoline	comE11	0.18	0.22	0.14
Gas oil	comE13	0.25	0.29	0.13
Manufacture of chemicals and chemical products	comE17	0.58	0.54	0.40
Manufacture of other non-metallic mineral products	comE18	0.28	0.36	0.34
Manufacture of basic metals	comE19	0.35	0.43	0.40
Manufacture of fabricated metal products	comE20	0.06	0.34	0.35
Manufacture of machinery and equipment n.e.c.	comE21	0.11	0.29	0.25
Manufacture of office machinery and computers	comE22	0.31	0.39	0.31
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.29	0.33	0.25
Manufacture of radio, television and communication equipment and apparatus	comE24	0.14	0.28	0.07
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.17	0.34	0.22
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.12	0.34	0.21
Manufacture of other transport equipment	comE27	0.32	0.37	0.30
Other manufacturing	comE28	0.22	0.31	0.25
Production and distribution of natural gas	comE29	0.74	0.89	0.56
Production and distribution of electricity	comE30	0.63	0.82	0.42
Land transport; water transport; transport via pipelines	comE31	0.08	0.22	0.16
Air transport	comE32	0.42	0.41	0.26
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.16	0.36	0.27
Public administration and defence; compulsory social security	comE34	0.09	0.14	0.06
Education	comE35	0.17	0.13	0.15
Health and social work	comE36	-0.19	-0.15	-0.19
Other services	comE37	0.13	0.19	0.16

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.97: Private consumption (first income group) in 2012

Private consumption (first income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.09	0.11	0.15
Mining of coal and lignite; extraction of peat	comE2	0.21	0.23	0.26
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.17	0.16	0.21
Manufacture of food products and beverages	comE6	0.19	0.13	0.17
Manufacture of pulp, paper and paper products	comE7	0.22	0.33	0.58
Gasoline	comE11	0.05	0.06	0.08
Gas oil	comE13	0.13	0.13	0.07
Manufacture of chemicals and chemical products	comE17	0.44	0.35	0.32
Manufacture of other non-metallic mineral products	comE18	0.15	0.18	0.26
Manufacture of basic metals	comE19	0.23	0.26	0.32
Manufacture of fabricated metal products	comE20	-0.06	0.16	0.25
Manufacture of machinery and equipment n.e.c.	comE21	0.01	0.13	0.17
Manufacture of office machinery and computers	comE22	0.18	0.19	0.22
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.16	0.17	0.18
Manufacture of radio, television and communication equipment and apparatus	comE24	0.03	0.14	0.02
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.05	0.17	0.16
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.01	0.17	0.14
Manufacture of other transport equipment	comE27	0.17	0.18	0.20
Other manufacturing	comE28	0.10	0.15	0.18
Production and distribution of natural gas	comE29	0.62	0.69	0.48
Production and distribution of electricity	comE30	0.50	0.63	0.35
Land transport; water transport; transport via pipelines	comE31	-0.04	0.07	0.10
Air transport	comE32	0.22	0.22	0.19
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.02	0.16	0.17
Public administration and defence; compulsory social security	comE34	-0.04	-0.03	-0.01
Education	comE35	0.03	-0.03	0.08
Health and social work	comE36	-0.26	-0.24	-0.22
Other services	comE37	0.02	0.05	0.09

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.98: Private consumption (second income group) in 2012

Private consumption (second income group)	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.21	0.27	0.23
Mining of coal and lignite; extraction of peat	comE2	0.41	0.49	0.38
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	0.36	0.41	0.33
Manufacture of food products and beverages	comE6	0.31	0.29	0.24
Manufacture of pulp, paper and paper products	comE7	0.41	0.61	0.74
Gasoline	comE11	0.23	0.29	0.17
Gas oil	comE13	0.32	0.38	0.17
Manufacture of chemicals and chemical products	comE17	0.66	0.64	0.45
Manufacture of other non-metallic mineral products	comE18	0.34	0.42	0.38
Manufacture of basic metals	comE19	0.42	0.53	0.45
Manufacture of fabricated metal products	comE20	0.10	0.41	0.37
Manufacture of machinery and equipment n.e.c.	comE21	0.16	0.36	0.27
Manufacture of office machinery and computers	comE22	0.35	0.43	0.33
Manufacture of electrical machinery and apparatus n.e.c.	comE23	0.34	0.40	0.29
Manufacture of radio, television and communication equipment and apparatus	comE24	0.19	0.37	0.10
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.21	0.41	0.26
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.17	0.41	0.24
Manufacture of other transport equipment	comE27	0.35	0.42	0.31
Other manufacturing	comE28	0.27	0.37	0.28
Production and distribution of natural gas	comE29	0.84	1.02	0.62
Production and distribution of electricity	comE30	0.71	0.94	0.47
Land transport; water transport; transport via pipelines	comE31	0.12	0.29	0.20
Air transport	comE32	0.45	0.51	0.32
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.20	0.42	0.29
Public administration and defence; compulsory social security	comE34	0.10	0.16	0.07
Education	comE35	0.18	0.15	0.16
Health and social work	comE36	-0.14	-0.10	-0.17
Other services	comE37	0.18	0.26	0.19

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.99: Exports by sectors and regions in 2012

Exports	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.48	-0.24	-0.24
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	-0.77	-0.03	
Manufacture of food products and beverages	secE6	0.31	0.71	-0.20
Manufacture of pulp, paper and paper products	secE7	1.90	1.54	0.18
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-0.78	-6.52	0.05
Manufacture of chemicals and chemical products	secE9	0.53	0.90	-0.14
Manufacture of other non-metallic mineral products	secE10	0.22	-0.01	-0.04
Manufacture of basic metals	secE11	5.64	4.80	2.96
Manufacture of fabricated metal products	secE12	0.82	-0.01	0.52
Manufacture of machinery and equipment n.e.c.	secE13	0.08	-0.15	-0.32
Manufacture of office machinery and computers	secE14	-0.19	-0.16	-0.10
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-1.03	-0.36	-0.39
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.32	-0.39	-0.18
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	-0.10	-0.12	-0.13
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.36	-0.17	-0.24
Manufacture of other transport equipment	secE19	0.17	-0.67	-0.24
Other manufacturing	secE20	-0.06	0.03	0.00
Production and distribution of natural gas	secE21	1.49	1.47	1.20
Production and distribution of nuclear electricity	secE22	1.17	1.17	
Production and distribution of non-nuclear electricity	secE23	0.75	0.87	0.78
Land transport; water transport; transport via pipelines	secE24	-0.58	-0.53	-0.53
Air transport	secE25	-0.34	-0.95	-0.23
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.36	-0.47	-0.36
Education	secE28	-0.10	-0.22	-0.02
Health and social work	secE29	-0.37	-0.47	-0.32
Other services	secE30	-0.52	-0.53	-0.48

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.100: Imports by commodities and regions in 2012

Imports	Commodities	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	comE1	0.54	0.67	0.11
Mining of coal and lignite; extraction of peat	comE2	-1.21	-1.34	0.00
Extraction of crude petroleum	comE4	-0.78	-5.94	0.01
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	comE5	1.40	1.10	2.00
Manufacture of food products and beverages	comE6	-0.12	0.20	0.00
Manufacture of pulp, paper and paper products	comE7	0.53	0.28	-0.32
Coke oven coke	comE8	3.65	1.20	
Petroleum coke	comE9	-2.75	-8.59	
Nuclear energy	comE10	-0.50	0.15	
Gasoline	comE11	0.08	-0.14	0.22
Heavy oil	comE12	-3.67	-7.03	0.29
Gas oil	comE13	-0.12	-1.18	0.28
Coke oven gas	comE14	-1.35	-3.02	
Refinery gas	comE15		-8.62	
Manufacture of chemicals and chemical products	comE17	0.10	0.03	0.01
Manufacture of other non-metallic mineral products	comE18	0.40	0.19	0.02
Manufacture of basic metals	comE19	1.02	2.40	2.11
Manufacture of fabricated metal products	comE20	1.10	0.46	0.17
Manufacture of machinery and equipment n.e.c.	comE21	0.45	0.38	0.46
Manufacture of office machinery and computers	comE22	0.49	0.46	0.44
Manufacture of electrical machinery and apparatus n.e.c.	comE23	-0.04	0.00	0.12
Manufacture of radio, television and communication equipment and apparatus	comE24	0.27	0.11	0.33
Manufacture of medical, precision and optical instruments, watches and clocks	comE25	0.39	0.29	0.37
Manufacture of motor vehicles, trailers and semi-trailers	comE26	0.35	0.16	0.21
Manufacture of other transport equipment	comE27	0.33	0.02	0.19
Other manufacturing	comE28	0.27	0.21	0.18
Production and distribution of natural gas	comE29	-2.57	-3.13	-0.62
Production and distribution of electricity	comE30	-1.90	-3.15	-0.08
Land transport; water transport; transport via pipelines	comE31	1.07	0.51	0.39
Air transport	comE32	0.21	-0.05	0.26
Supporting and auxiliary transport activities; activities of travel agencies	comE33	0.75	0.22	0.29
Education	comE35	0.23	0.47	0.22
Health and social work	comE36	1.28	1.30	1.26
Other services	comE37	0.78	0.68	0.59

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.101: Investments by sector and regions in 2012

Investments	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.36	0.29	0.43
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	0.36	0.37	0.42
Manufacture of food products and beverages	secE6	0.35	0.31	0.40
Manufacture of pulp, paper and paper products	secE7	0.16	0.30	0.45
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	0.36	1.84	0.40
Manufacture of chemicals and chemical products	secE9	0.23	0.09	0.44
Manufacture of other non-metallic mineral products	secE10	0.37	0.16	0.41
Manufacture of basic metals	secE11	0.13	0.12	0.75
Manufacture of fabricated metal products	secE12	0.44	0.32	0.47
Manufacture of machinery and equipment n.e.c.	secE13	0.23	0.30	0.45
Manufacture of office machinery and computers	secE14	0.38	0.30	0.41
Manufacture of electrical machinery and apparatus n.e.c.	secE15	0.29	0.26	0.42
Manufacture of radio, television and communication equipment and apparatus	secE16	0.34	0.28	0.41
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.36	0.31	0.43
Manufacture of motor vehicles, trailers and semi-trailers	secE18	0.38	0.19	0.46
Manufacture of other transport equipment	secE19	0.10	0.23	0.39
Other manufacturing	secE20	0.36	0.17	0.42
Production and distribution of natural gas	secE21	0.26	0.22	0.32
Production and distribution of nuclear electricity	secE22	0.33	0.28	
Production and distribution of non-nuclear electricity	secE23	0.23	0.20	0.29
Land transport; water transport; transport via pipelines	secE24	0.37	0.29	0.44
Air transport	secE25	0.32	0.25	0.40
Supporting and auxiliary transport activities; activities of travel agencies	secE26	0.34	0.28	0.40
Public administration and defence; compulsory social security	secE27	0.39	0.32	0.47
Education	secE28	0.38	0.31	0.45
Health and social work	secE29	0.42	0.35	0.49
Other services	secE30	0.35	0.30	0.42

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.102: Use of coal in 2012

Mining of coal and lignite; extraction of peat	Sectors	Regions		
		wal	vla	bru
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	0.02	0.48	
Manufacture of food products and beverages	secE6		-15.66	
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-4.28	-8.76	
Manufacture of chemicals and chemical products	secE9	-4.45	-7.29	-0.07
Manufacture of other non-metallic mineral products	secE10	-2.79	-2.76	
Manufacture of basic metals	secE11	-1.59	-3.18	
Other manufacturing	secE20	0.09	-2.85	0.12
Production and distribution of natural gas	secE21	-0.33	-0.35	-0.27
Production and distribution of non-nuclear electricity	secE23	-1.15	-1.01	
Public administration and defence; compulsory social security	secE27	0.43	0.40	0.47
Other services	secE30	0.10	0.12	0.15

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.103: Use of petroleum coke in 2012

Petroleum coke	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-8.76	
Manufacture of other non-metallic mineral products	secE10	-2.75		

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.104: Use of gasoline in 2012

Gasoline	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	-0.01	-0.08	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5	0.02	0.48	0.07
Manufacture of food products and beverages	secE6	-5.72	-15.48	-0.17
Manufacture of pulp, paper and paper products	secE7	-12.80	-11.20	0.12
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-4.28	-8.76	-0.05
Manufacture of chemicals and chemical products	secE9	-4.44	-7.23	-0.15
Manufacture of other non-metallic mineral products	secE10	-2.81	-2.79	-0.09
Manufacture of basic metals	secE11	-1.54	-3.12	3.48
Manufacture of fabricated metal products	secE12	-10.64	-0.82	0.42
Manufacture of machinery and equipment n.e.c.	secE13	-9.29	-0.01	-0.23
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.78	-0.26	-0.32
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.27	-6.71	-0.15
Manufacture of other transport equipment	secE19	-10.00	-0.76	-0.38
Other manufacturing	secE20	-0.01	-2.88	0.00
Production and distribution of non-nuclear electricity	secE23	-1.24	-1.11	-1.29
Land transport; water transport; transport via pipelines	secE24	-0.06	-0.09	-0.03
Air transport	secE25	-0.44	-0.83	-0.27
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.07	-0.20	-0.15
Public administration and defence; compulsory social security	secE27	0.32	0.29	0.35
Education	secE28	0.17	0.14	0.18
Health and social work	secE29	0.80	0.76	0.76
Other services	secE30	0.01	0.02	0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.105: Use of heavy oil in 2012

Heavy oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		-0.06	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		0.48	
Manufacture of food products and beverages	secE6	-5.77	-15.50	-0.15
Manufacture of pulp, paper and paper products	secE7	-12.83	-11.21	0.13
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-8.76	
Manufacture of chemicals and chemical products	secE9	-4.49	-7.24	
Manufacture of other non-metallic mineral products	secE10	-2.88	-2.78	
Manufacture of basic metals	secE11	-1.59	-3.12	
Manufacture of fabricated metal products	secE12	-10.67	-0.81	0.43
Manufacture of machinery and equipment n.e.c.	secE13	-9.32	0.01	-0.21
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.84	-0.25	-0.31
Other manufacturing	secE20	-0.11	-2.87	0.02
Production and distribution of non-nuclear electricity	secE23	-1.34	-1.08	
Other services	secE30	-0.09	0.04	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.106: Use of gas oil in 2012

Gas oil	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.04	-0.04	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		0.48	
Manufacture of food products and beverages	secE6	-5.71	-15.51	-0.17
Manufacture of pulp, paper and paper products	secE7	-12.84	-11.22	0.12
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-4.28	-8.76	
Manufacture of chemicals and chemical products	secE9	-4.43	-7.24	-0.15
Manufacture of other non-metallic mineral products	secE10	-2.79	-2.77	-0.09
Manufacture of basic metals	secE11	-1.54	-3.12	3.48
Manufacture of fabricated metal products	secE12	-10.65	-0.80	0.42
Manufacture of machinery and equipment n.e.c.	secE13	-9.29	0.02	-0.23
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.75	-0.24	-0.32
Manufacture of radio, television and communication equipment and apparatus	secE16	-0.15	-0.20	-0.10
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.09	0.05	-0.16
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.23	-6.71	-0.15
Manufacture of other transport equipment	secE19	-10.02	-0.73	-0.38
Other manufacturing	secE20	0.04	-2.85	0.00
Production and distribution of non-nuclear electricity	secE23	-1.19	-1.06	-1.29
Land transport; water transport; transport via pipelines	secE24	-0.03	-0.06	-0.03
Supporting and auxiliary transport activities; activities of travel agencies	secE26	-0.05	-0.18	-0.15
Public administration and defence; compulsory social security	secE27	0.38	0.34	0.35
Education	secE28	0.23	0.19	0.18
Health and social work	secE29	0.85	0.81	0.75
Other services	secE30	0.06	0.06	0.04

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.107: Use of coke oven gas in 2012

Coke oven gas	Sectors	Regions		
		wal	vla	bru
Manufacture of basic metals	secE11	-1.52	-3.10	
Production and distribution of non-nuclear electricity	secE23	-1.22	-1.05	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.108: Use of refinery gas in 2012

Refinery gas	Sectors	Regions		
		wal	vla	bru
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-8.76	

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.



Table 6.109: Use of natural gas in 2012

Natural gas	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1		0.31	
Manufacture of food products and beverages	secE6	-5.45	-15.24	0.05
Manufacture of pulp, paper and paper products	secE7	-12.59	-10.93	0.34
Manufacture of coke, refined petroleum products and nuclear fuel	secE8		-8.76	
Manufacture of chemicals and chemical products	secE9	-4.17	-6.94	0.07
Manufacture of other non-metallic mineral products	secE10	-2.48	-2.42	0.16
Manufacture of basic metals	secE11	-1.26	-2.81	3.70
Manufacture of fabricated metal products	secE12	-10.44	-0.54	0.60
Manufacture of machinery and equipment n.e.c.	secE13	-9.08	0.27	-0.04
Manufacture of office machinery and computers	secE14	0.24	0.09	0.05
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.54	0.02	-0.14
Manufacture of radio, television and communication equipment and apparatus	secE16	0.06	0.06	0.08
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.31	0.31	0.02
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.01	-6.46	0.04
Manufacture of other transport equipment	secE19	-9.73	-0.37	-0.13
Other manufacturing	secE20	0.44	-2.39	0.33
Production and distribution of natural gas	secE21	-0.33	-0.35	-0.27
Production and distribution of non-nuclear electricity	secE23	-0.81	-0.61	-0.98
Land transport; water transport; transport via pipelines	secE24	0.16	0.16	0.12
Supporting and auxiliary transport activities; activities of travel agencies	secE26	0.14	0.04	0.00
Public administration and defence; compulsory social security	secE27	0.80	0.84	0.69
Education	secE28	0.66	0.68	0.52
Health and social work	secE29	1.24	1.26	1.07
Other services	secE30	0.44	0.51	0.35

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

Table 6.110: Use of electricity in 2012

Electricity	Sectors	Regions		
		wal	vla	bru
Agriculture, forestry, fishing	secE1	0.14	0.13	
Mining of uranium and thorium ores; mining of metal ores; other mining and quarrying	secE5		0.48	
Manufacture of food products and beverages	secE6	-5.57	-15.34	0.01
Manufacture of pulp, paper and paper products	secE7	-12.68	-10.99	0.30
Manufacture of coke, refined petroleum products and nuclear fuel	secE8	-4.28	-8.76	-0.05
Manufacture of chemicals and chemical products	secE9	-4.32	-7.11	0.02
Manufacture of other non-metallic mineral products	secE10	-2.66	-2.49	0.12
Manufacture of basic metals	secE11	-1.39	-2.92	3.64
Manufacture of fabricated metal products	secE12	-10.52	-0.59	0.55
Manufacture of machinery and equipment n.e.c.	secE13	-9.18	0.19	-0.10
Manufacture of office machinery and computers	secE14	0.20	0.07	0.02
Manufacture of electrical machinery and apparatus n.e.c.	secE15	-0.63	-0.10	-0.19
Manufacture of radio, television and communication equipment and apparatus	secE16	0.01	0.02	0.04
Manufacture of medical, precision and optical instruments, watches and clocks	secE17	0.24	0.26	-0.02
Manufacture of motor vehicles, trailers and semi-trailers	secE18	-0.10	-6.54	-0.01
Manufacture of other transport equipment	secE19	-9.84	-0.45	-0.19
Other manufacturing	secE20	0.27	-2.56	0.27
Production and distribution of non-nuclear electricity	secE23	-0.91	-0.86	-0.99
Land transport; water transport; transport via pipelines	secE24	0.05	0.05	0.03
Supporting and auxiliary transport activities; activities of travel agencies	secE26	0.04	-0.06	-0.09
Public administration and defence; compulsory social security	secE27	0.57	0.59	0.52
Education	secE28	0.46	0.47	0.42
Health and social work	secE29	1.07	1.08	0.98
Other services	secE30	0.21	0.27	0.15

Note: If not indicated otherwise, all the variable are reported as percentage change compared with the baseline.

## 6.5. Detailed results of the microsimulation model

Table 6.111: Regression equation for the logarithm of wage income (Wallonia)

Dependent Variable: LOG(PLWZ)

Method: Least Squares

Date: 01/14/05 Time: 18:16

Sample(adjusted): 1 1162

Included observations: 747

Excluded observations: 415 after adjusting endpoints

$$\text{LOG(PLW)} = C(1) + C(2)*\text{SEX} + C(3)*\text{PROF1} + C(4)*\text{PROF2} + C(5)*\text{PROF3} \\ + C(6)*\text{PROF4} + C(7)*\text{SCH1} + C(8)*\text{SCH2} + C(9)*\text{AGE} + C(10) \\ * \text{AGE}^2$$

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	9.254940	0.342148	27.04952	0.0000
C(2)	0.366473	0.062411	5.871920	0.0000
C(3)	-1.070791	0.614381	-1.742877	0.0818
C(4)	2.644034	0.167031	15.82962	0.0000
C(5)	-1.139021	0.210248	-5.417524	0.0000
C(6)	0.200159	0.338195	0.591844	0.5541
C(7)	0.184611	0.074014	2.494266	0.0128
C(8)	0.424091	0.102609	4.133092	0.0000
C(9)	0.033243	0.013909	2.390069	0.0171
C(10)	-0.000230	0.000148	-1.553947	0.1206
R-squared	0.777908	Mean dependent var		12.21646
Adjusted R-squared	0.775196	S.D. dependent var		1.764666
S.E. of regression	0.836690	Akaike info criterion		2.494569
Sum squared resid	515.9366	Schwarz criterion		2.556364
Log likelihood	-921.7217	F-statistic		286.8277
Durbin-Watson stat	1.664822	Prob(F-statistic)		0.000000

Table 6.112: Regression equation for the logarithm of wage income (Flanders)

Dependent Variable: LOG(PLWZ)

Method: Least Squares

Date: 01/12/05 Time: 10:56

Sample(adjusted): 1 1615

Included observations: 976

Excluded observations: 639 after adjusting endpoints

LOG(PLW) = C(1) + C(2)\*SEX + C(3)\*PROF1 + C(4)\*PROF2 + C(5)\*PROF3

+ C(6)\*PROF4 + C(7)\*SCH1 + C(8)\*SCH2 + C(9)\*AGE + C(10)

\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	9.954454	0.263137	37.82993	0.0000
C(2)	0.337584	0.042520	7.939335	0.0000
C(3)	0.924240	0.402163	2.298174	0.0218
C(4)	1.289876	0.157347	8.197634	0.0000
C(5)	-1.577643	0.203791	-7.741483	0.0000
C(6)	-1.982647	0.267232	-7.419197	0.0000
C(7)	0.258270	0.047791	5.404111	0.0000
C(8)	0.518460	0.070852	7.317545	0.0000
C(9)	0.063259	0.010345	6.115108	0.0000
C(10)	-0.000555	0.000121	-4.598362	0.0000
R-squared	0.606671	Mean dependent var		12.90099
Adjusted R-squared	0.603006	S.D. dependent var		1.016967
S.E. of regression	0.640764	Akaike info criterion		1.957883
Sum squared resid	396.6194	Schwarz criterion		2.007919
Log likelihood	-945.4471	F-statistic		165.5511
Durbin-Watson stat	1.437428	Prob(F-statistic)		0.000000

Table 6.113: Regression equation for the logarithm of wage income (Brussels)

Dependent Variable: LOG(PLWZ)

Method: Least Squares

Date: 01/14/05 Time: 18:13

Sample(adjusted): 1 545

Included observations: 367

Excluded observations: 178 after adjusting endpoints

LOG(PLW) = C(1) + C(2)\*SEX + C(3)\*PROF1 + C(4)\*PROF2 + C(5)\*PROF3

+ C(6)\*PROF4 + C(7)\*SCH1 + C(8)\*SCH2 + C(9)\*AGE + C(10)

\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	9.339149	0.534906	17.45941	0.0000
C(2)	0.185509	0.095361	1.945336	0.0525
C(3)	1.018968	0.399986	2.547509	0.0113
C(4)	1.325408	0.218104	6.076967	0.0000
C(5)	-1.595318	0.302686	-5.270546	0.0000
C(6)	-0.711868	0.562057	-1.266540	0.2061
C(7)	0.091217	0.113342	0.804796	0.4215
C(8)	0.335798	0.125333	2.679246	0.0077
C(9)	0.105225	0.022460	4.684950	0.0000
C(10)	-0.001097	0.000251	-4.368651	0.0000
R-squared	0.664318	Mean dependent var		12.59666
Adjusted R-squared	0.655856	S.D. dependent var		1.516818
S.E. of regression	0.889823	Akaike info criterion		2.631282
Sum squared resid	282.6673	Schwarz criterion		2.737695
Log likelihood	-472.8402	F-statistic		78.50082
Durbin-Watson stat	1.608859	Prob(F-statistic)		0.000000

Table 6.114: Regression equation for the logarithm of the sum of self-employed and capital income (Brussels)

Dependent Variable: LOG(PLSE\_PKZ)

Method: Least Squares

Date: 01/14/05 Time: 18:14

Sample(adjusted): 4 546

Included observations: 359

Excluded observations: 184 after adjusting endpoints

LOG(PLSE\_PK) = C(1) + C(2)\*SEX + C(3)\*PROF1 + C(4)\*PROF2 + C(5)

\*PROF3 + C(6)\*PROF4 + C(7)\*SCH1 + C(8)\*SCH2 + C(9)\*AGE

+ C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	5.841305	1.126417	5.185741	0.0000
C(2)	0.102729	0.183308	0.560418	0.5756
C(3)	2.193724	0.425232	5.158893	0.0000
C(4)	0.179424	0.325211	0.551714	0.5815
C(5)	0.497871	0.448394	1.110341	0.2676
C(6)	-0.082945	0.905961	-0.091555	0.9271
C(7)	0.359674	0.224068	1.605201	0.1094
C(8)	0.430481	0.231304	1.861103	0.0636
C(9)	0.182724	0.045480	4.017682	0.0001
C(10)	-0.001492	0.000474	-3.148724	0.0018
R-squared	0.198353	Mean dependent var		11.58001
Adjusted R-squared	0.177680	S.D. dependent var		1.867272
S.E. of regression	1.693277	Akaike info criterion		3.918668
Sum squared resid	1000.648	Schwarz criterion		4.026838
Log likelihood	-693.4008	F-statistic		9.594875
Durbin-Watson stat	1.363842	Prob(F-statistic)		0.000000

Table 6.115: Regression equation for the logarithm of the sum of self-employed and capital income (Wallonia)

Dependent Variable: LOG(PLSE\_PKZ)

Method: Least Squares

Date: 01/07/05 Time: 18:23

Sample(adjusted): 2 1174

Included observations: 964

Excluded observations: 209 after adjusting endpoints

LOG(PLSE\_PK) = C(1) + C(2)\*SEX + C(3)\*PROF1 + C(4)\*PROF2 + C(5)

\*PROF3 + C(6)\*PROF4 + C(7)\*SCH1 + C(8)\*SCH2 + C(9)\*AGE

+ C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	8.161574	0.438765	18.60126	0.0000
C(2)	0.426040	0.067934	6.271360	0.0000
C(3)	2.537848	0.181651	13.97100	0.0000
C(4)	0.600309	0.148219	4.050145	0.0001
C(5)	0.629044	0.181421	3.467326	0.0005
C(6)	0.444402	0.270145	1.645054	0.1003
C(7)	0.058705	0.083290	0.704827	0.4811
C(8)	0.311586	0.106448	2.927120	0.0035
C(9)	0.095045	0.017297	5.494876	0.0000
C(10)	-0.000801	0.000173	-4.637260	0.0000
R-squared	0.318838	Mean dependent var		11.78946
Adjusted R-squared	0.312412	S.D. dependent var		1.224312
S.E. of regression	1.015211	Akaike info criterion		2.878389
Sum squared resid	983.2433	Schwarz criterion		2.928919
Log likelihood	-1377.384	F-statistic		49.61644
Durbin-Watson stat	1.586663	Prob(F-statistic)		0.000000

Table 6.116: Regression equation for the logarithm of the sum of self-employed and capital income (Flanders)

Dependent Variable: LOG(PLSE\_PKZ)

Method: Least Squares

Date: 01/14/05 Time: 18:17

Sample(adjusted): 2 1621

Included observations: 1349

Excluded observations: 271 after adjusting endpoints

LOG(PLSE\_PK) = C(1) + C(2)\*SEX + C(3)\*PROF1 + C(4)\*PROF2 + C(5)\*PROF3 + C(6)\*PROF4 + C(7)\*SCH1 + C(8)\*SCH2 + C(9)\*AGE + C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	9.314381	0.370810	25.11901	0.0000
C(2)	0.575844	0.059195	9.727945	0.0000
C(3)	2.118418	0.180090	11.76313	0.0000
C(4)	0.194621	0.153591	1.267139	0.2053
C(5)	0.276067	0.176831	1.561189	0.1187
C(6)	-0.127173	0.254642	-0.499418	0.6176
C(7)	0.184950	0.071000	2.604941	0.0093
C(8)	0.325056	0.105633	3.077232	0.0021
C(9)	0.058613	0.013852	4.231383	0.0000
C(10)	-0.000456	0.000142	-3.207853	0.0014
R-squared	0.294426	Mean dependent var		11.75246
Adjusted R-squared	0.289683	S.D. dependent var		1.219102
S.E. of regression	1.027463	Akaike info criterion		2.899447
Sum squared resid	1413.555	Schwarz criterion		2.938047
Log likelihood	-1945.677	F-statistic		62.08280
Durbin-Watson stat	1.756895	Prob(F-statistic)		0.000000



Table 6.117: Regression equation for the logarithm of pensions (Wallonia)

Dependent Variable: LOG(PENZ)

Method: Least Squares

Date: 01/18/05 Time: 06:11

Sample(adjusted): 7 1170

Included observations: 379

Excluded observations: 785 after adjusting endpoints

LOG(PENSIONS)=C(1)+C(2)\*SEX+C(3)\*PROF1+C(4)\*PROF2+C(5)

\*PROF3+C(6)\*PROF4+C(7)\*SCH1+C(8)\*SCH2+C(9)\*AGE

+C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	12.50097	2.256749	5.539372	0.0000
C(2)	0.581775	0.091653	6.347558	0.0000
C(3)	-0.503025	0.867928	-0.579570	0.5626
C(4)	-1.599232	0.675578	-2.367206	0.0184
C(5)	-0.248512	0.638890	-0.388975	0.6975
C(6)	-0.431631	0.704991	-0.612250	0.5407
C(7)	0.634001	0.133514	4.748560	0.0000
C(8)	0.347358	0.214487	1.619484	0.1062
C(9)	-0.022656	0.068875	-0.328940	0.7424
C(10)	0.000309	0.000505	0.612039	0.5409
R-squared	0.191964	Mean dependent var		12.56923
Adjusted R-squared	0.172256	S.D. dependent var		0.939558
S.E. of regression	0.854814	Akaike info criterion		2.550165
Sum squared resid	269.6307	Schwarz criterion		2.654057
Log likelihood	-473.2562	F-statistic		9.740343
Durbin-Watson stat	2.549319	Prob(F-statistic)		0.000000

Table 6.118: Regression equation for the logarithm of unemployment benefits (Wallonia)

Dependent Variable: LOG(UBZ)

Method: Least Squares

Date: 01/18/05 Time: 06:37

Sample(adjusted): 19 1136

Included observations: 187

Excluded observations: 931 after adjusting endpoints

LOG(UNEMBEN) = C(1) + C(2)\*SEX + C(4)\*PROF2 + C(5)\*PROF3 + C(7)\*SCH1 + C(8)\*SCH2 + C(9)\*AGE + C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	10.60902	1.039362	10.20724	0.0000
C(2)	0.084977	0.145674	0.583340	0.5604
C(4)	-1.866499	0.156126	-11.95511	0.0000
C(5)	-0.012852	0.287694	-0.044672	0.9644
C(7)	0.091710	0.219915	0.417022	0.6772
C(8)	-0.550179	0.333525	-1.649588	0.1008
C(9)	0.067237	0.052971	1.269298	0.2060
C(10)	-0.000609	0.000653	-0.933873	0.3516
R-squared	0.530031	Mean dependent var		11.67772
Adjusted R-squared	0.511652	S.D. dependent var		1.309848
S.E. of regression	0.915347	Akaike info criterion		2.702811
Sum squared resid	149.9769	Schwarz criterion		2.841041
Log likelihood	-244.7129	F-statistic		28.83940
Durbin-Watson stat	1.553952	Prob(F-statistic)		0.000000

Table 6.119: Regression equation for the logarithm of other benefits (Wallonia)

Dependent Variable: LOG(OBZ)

Method: Least Squares

Date: 01/18/05 Time: 06:22

Sample(adjusted): 2 1174

Included observations: 978

Excluded observations: 195 after adjusting endpoints

LOG(OTHBEN)=C(1)+C(2)\*SEX+C(3)\*PROF1+C(4)\*PROF2+C(5)  
 \*PROF3+C(6)\*PROF4+C(7)\*SCH1+C(8)\*SCH2+C(9)\*AGE  
 +C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	9.202105	0.611005	15.06060	0.0000
C(2)	0.569854	0.096606	5.898757	0.0000
C(3)	0.205896	0.310947	0.662159	0.5080
C(4)	0.322063	0.262758	1.225701	0.2206
C(5)	-1.073207	0.300489	-3.571537	0.0004
C(6)	1.202203	0.365328	3.290746	0.0010
C(7)	0.226439	0.115190	1.965790	0.0496
C(8)	0.351289	0.161916	2.169572	0.0303
C(9)	0.028639	0.022913	1.249882	0.2116
C(10)	-0.000301	0.000242	-1.245554	0.2132
R-squared	0.226365	Mean dependent var		10.14105
Adjusted R-squared	0.219172	S.D. dependent var		1.639177
S.E. of regression	1.448450	Akaike info criterion		3.589038
Sum squared resid	2030.871	Schwarz criterion		3.638992
Log likelihood	-1745.039	F-statistic		31.47064
Durbin-Watson stat	1.562208	Prob(F-statistic)		0.000000

Table 6.120: Regression equation for the logarithm of pensions (Flanders)

Dependent Variable: LOG(PENZ)

Method: Least Squares

Date: 01/18/05 Time: 06:26

Sample(adjusted): 2 1597

Included observations: 532

Excluded observations: 1064 after adjusting endpoints

LOG(PENSIONS)=C(1)+C(2)\*SEX+C(3)\*PROF1+C(4)\*PROF2+C(5)

\*PROF3+C(6)\*PROF4+C(7)\*SCH1+C(8)\*SCH2+C(9)\*AGE

+C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	10.82002	1.561556	6.928999	0.0000
C(2)	0.381566	0.061333	6.221249	0.0000
C(3)	-0.644816	0.677568	-0.951663	0.3417
C(4)	-1.412266	0.521599	-2.707570	0.0070
C(5)	-0.346234	0.492924	-0.702409	0.4827
C(6)	-0.121509	0.533442	-0.227782	0.8199
C(7)	0.538789	0.091635	5.879717	0.0000
C(8)	0.355882	0.161455	2.204214	0.0279
C(9)	0.031520	0.047243	0.667195	0.5049
C(10)	-5.68E-05	0.000347	-0.163590	0.8701
R-squared	0.202869	Mean dependent var		12.64404
Adjusted R-squared	0.189125	S.D. dependent var		0.743927
S.E. of regression	0.669896	Akaike info criterion		2.055229
Sum squared resid	234.2530	Schwarz criterion		2.135617
Log likelihood	-536.6909	F-statistic		14.76093
Durbin-Watson stat	1.361122	Prob(F-statistic)		0.000000

Table 6.121: Regression equation for the logarithm of unemployment benefits (Flanders)

Dependent Variable: LOG(UBZ)

Method: Least Squares

Date: 01/18/05 Time: 06:27

Sample(adjusted): 16 1597

Included observations: 217

Excluded observations: 1365 after adjusting endpoints

LOG(UNEMBEN) = C(1) + C(2)\*SEX + C(3)\*PROF1 + C(4)\*PROF2 + C(5)

\*PROF3 + C(6)\*PROF4 + C(7)\*SCH1 + C(8)\*SCH2 + C(9)\*AGE

+ C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	12.62537	1.065662	11.84744	0.0000
C(2)	-0.131074	0.146852	-0.892561	0.3731
C(3)	-0.331297	0.907275	-0.365156	0.7154
C(4)	-1.912377	0.168321	-11.36147	0.0000
C(5)	0.211288	0.254841	0.829099	0.4080
C(6)	-1.162254	0.645522	-1.800487	0.0732
C(7)	0.460807	0.292452	1.575666	0.1166
C(8)	0.158123	0.371779	0.425315	0.6710
C(9)	-0.032944	0.052041	-0.633044	0.5274
C(10)	0.000517	0.000617	0.837105	0.4035
R-squared	0.625169	Mean dependent var		11.40305
Adjusted R-squared	0.608872	S.D. dependent var		1.423059
S.E. of regression	0.889984	Akaike info criterion		2.649762
Sum squared resid	163.9590	Schwarz criterion		2.805517
Log likelihood	-277.4992	F-statistic		38.36099
Durbin-Watson stat	2.684903	Prob(F-statistic)		0.000000

Table 6.122: Regression equation for the logarithm of other benefits (Flanders)

Dependent Variable: LOG(OBZ)

Method: Least Squares

Date: 01/18/05 Time: 06:28

Sample(adjusted): 2 1621

Included observations: 1350

Excluded observations: 270 after adjusting endpoints

LOG(OTHBEN) = C(1) + C(2)\*SEX + C(3)\*PROF1 + C(4)\*PROF2 + C(5)

\*PROF3 + C(6)\*PROF4 + C(7)\*SCH1 + C(8)\*SCH2 + C(9)\*AGE

+ C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	8.988015	0.488359	18.40453	0.0000
C(2)	0.492502	0.079233	6.215831	0.0000
C(3)	0.149044	0.248286	0.600293	0.5484
C(4)	0.397554	0.205830	1.931469	0.0536
C(5)	-0.797765	0.241115	-3.308651	0.0010
C(6)	1.885088	0.304544	6.189878	0.0000
C(7)	0.219539	0.095376	2.301820	0.0215
C(8)	0.404805	0.137580	2.942321	0.0033
C(9)	0.040489	0.018639	2.172242	0.0300
C(10)	-0.000453	0.000196	-2.304212	0.0214
R-squared	0.232221	Mean dependent var		10.20237
Adjusted R-squared	0.227064	S.D. dependent var		1.576810
S.E. of regression	1.386281	Akaike info criterion		3.498505
Sum squared resid	2575.177	Schwarz criterion		3.537082
Log likelihood	-2351.491	F-statistic		45.03268
Durbin-Watson stat	1.661938	Prob(F-statistic)		0.000000

Table 6.123: Regression equation for the logarithm of pensions (Brussels)

Dependent Variable: LOG(PENZ)

Method: Least Squares

Date: 01/18/05 Time: 06:31

Sample(adjusted): 4 546

Included observations: 154

Excluded observations: 389 after adjusting endpoints

LOG(PENSIONS)=C(1)+C(2)\*SEX+C(4)\*PROF2+C(5)\*PROF3+C(7)  
 \*SCH1+C(8)\*SCH2+C(9)\*AGE+C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	3.329549	2.898673	1.148646	0.2526
C(2)	0.263434	0.100494	2.621385	0.0097
C(4)	0.179568	0.404658	0.443752	0.6579
C(5)	0.377996	0.341736	1.106107	0.2705
C(7)	0.065166	0.139628	0.466716	0.6414
C(8)	0.332623	0.156114	2.130639	0.0348
C(9)	0.239368	0.086813	2.757273	0.0066
C(10)	-0.001573	0.000620	-2.537615	0.0122
R-squared	0.264279	Mean dependent var		12.76537
Adjusted R-squared	0.229004	S.D. dependent var		0.681379
S.E. of regression	0.598294	Akaike info criterion		1.861082
Sum squared resid	52.26158	Schwarz criterion		2.018846
Log likelihood	-135.3033	F-statistic		7.492104
Durbin-Watson stat	0.896436	Prob(F-statistic)		0.000000

Table 6.124: Regression equation for the logarithm of unemployment benefits (Brussels)

Dependent Variable: LOG(UBZ)

Method: Least Squares

Date: 01/18/05 Time: 06:33

Sample(adjusted): 7 538

Included observations: 104

Excluded observations: 428 after adjusting endpoints

LOG(UNEMBEN) = C(1) + C(2)\*SEX + C(3)\*PROF1 + C(4)\*PROF2 + C(5)

\*PROF3 + C(6)\*PROF4 + C(7)\*SCH1 + C(8)\*SCH2 + C(9)\*AGE

+ C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	10.48059	1.206901	8.683883	0.0000
C(2)	-0.218651	0.161431	-1.354454	0.1788
C(3)	-0.769546	0.373601	-2.059810	0.0422
C(4)	-1.226959	0.199367	-6.154268	0.0000
C(5)	-0.049504	0.336809	-0.146979	0.8835
C(6)	-1.606594	0.771118	-2.083459	0.0399
C(7)	0.117025	0.194915	0.600387	0.5497
C(8)	0.136769	0.235772	0.580091	0.5632
C(9)	0.052368	0.060496	0.865639	0.3889
C(10)	-0.000250	0.000730	-0.342716	0.7326
R-squared	0.517133	Mean dependent var		11.79957
Adjusted R-squared	0.470901	S.D. dependent var		1.042454
S.E. of regression	0.758273	Akaike info criterion		2.375664
Sum squared resid	54.04788	Schwarz criterion		2.629932
Log likelihood	-113.5345	F-statistic		11.18561
Durbin-Watson stat	1.400852	Prob(F-statistic)		0.000000



Table 6.125: Regression equation for the logarithm of other benefits (Brussels)

Dependent Variable: LOG(OBZ)

Method: Least Squares

Date: 01/18/05 Time: 06:35

Sample(adjusted): 4 546

Included observations: 463

Excluded observations: 80 after adjusting endpoints

LOG(OTHBEN)=C(1)+C(2)\*SEX+C(3)\*PROF1+C(4)\*PROF2+C(5)

\*PROF3+C(6)\*PROF4+C(7)\*SCH1+C(8)\*SCH2+C(9)\*AGE

+C(10)\*AGE^2

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	8.452029	0.818194	10.33010	0.0000
C(2)	-0.111572	0.148234	-0.752675	0.4520
C(3)	0.483372	0.369893	1.306787	0.1919
C(4)	-0.135521	0.241552	-0.561041	0.5750
C(5)	-0.584318	0.351384	-1.662905	0.0970
C(6)	1.327462	0.484335	2.740794	0.0064
C(7)	0.298094	0.184589	1.614906	0.1070
C(8)	0.274666	0.198710	1.382244	0.1676
C(9)	0.086519	0.034012	2.543800	0.0113
C(10)	-0.000927	0.000358	-2.593664	0.0098
R-squared	0.115940	Mean dependent var		10.14906
Adjusted R-squared	0.098376	S.D. dependent var		1.645653
S.E. of regression	1.562611	Akaike info criterion		3.751955
Sum squared resid	1106.115	Schwarz criterion		3.841323
Log likelihood	-858.5776	F-statistic		6.600994
Durbin-Watson stat	1.656122	Prob(F-statistic)		0.000000

## Notations

$m$	stands for the household member
$r$	stands for the region
$h$	stands for the household
$plwz_{m,r}$	stands for the initial wage income by household member and region
$plse\_pkz_{m,r}$	stands for the initial sum of income of self-employed members of the households and capital income
$ubz_{m,r}$	stands for the initial unemployment benefits
$obz_{m,r}$	stands for the initial other benefits
$penz_{m,r}$	stands for the initial level of pensions
$yrz_{m,r}$	stands for the initial real total income
$sex_{m,r}$	stands for the sex dummy variable
$prof1_{m,r}$	stands for self-employed - occupation dummy variable
$prof2_{m,r}$	stands for wage worker or employees - occupation dummy variable
$prof3_{m,r}$	stands for pre-retired and retired - occupation dummy variable
$prof4_{m,r}$	stands for non active - occupation (students, fund holder, ...) dummy variable
$sch1_{m,r}$	stands for high school-education dummy variable
$sch2_{m,r}$	stands for university-education dummy variable
$age_{m,r}$	stands for age
$age^2_{m,r}$	stands for age squared
$devlw_{m,r}, devlsek_{m,r}, devu_{m,r}, devp_{m,r}$ stand for the residuals	
$plwg_r$	stands for the total wage income by region
$plsepkg_r$	stands for the sum of income of self-employed members of the households and capital income
$ubg_r$	stands for the total unemployment benefits
$peng_r$	stands for the total level of pensions
$obg_r$	stands for the total other benefits
$devo_{m,r}$	stands for the other benefits residuals
$pZ_{com,r}$	stands for the commodity price
$indexh_{h,r}$	stands for the consumer price index by household and region
$taz_{m,r}$	stands for the initial tax adjustment
$vat_{com,r}$	stands for the value added tax rate by commodity and region
$tC_{com,r}$	stands for the regional consumption tax rate by commodity and region
$tcf_{c,r}$	stands for the federal consumption tax rate by commodity and region
$czh_{c,r,h}$	stands for the consumption by commodity, region and household,
$vat0_{c,r}$	stands for the initial value added tax rate by commodity and region
$tc0_{c,r}$	stands for the initial regional consumption tax rate by commodity and region
region	
$tcf0_{c,r}$	stands the initial federal consumption tax rate by commodity and region.