

Study on the Economic Impacts of Convergence Interventions (2007-2013)

Italy – TFP elasticity = 0.06

Prepared for:

European Commission

Directorate-General for Regional Policy, Unit Evaluation and Additionality

Office CSM2 – 9/126

For the attention of Ms Mahovsky

B-1049 Brussels

EU Tender No:

2006.CE16.0.AT.022

Project Title:

Study on the Economic Impacts of Convergence Interventions (2007-2013)

Report Submitted by:

Prof. Ali BAYAR, President, EcoMod

Released:

15 June 2007

Status:

Final

Administrative information

Contact person for this project:

Name	Prof. Ali BAYAR President, ECOMOD
Address	Université Libre de Bruxelles Avenue F. Roosevelt, 50 C.P. 140 B-1050 Brussels -- Belgium
Telephone	+32 2 650 4115
Fax	+32 2 706 7020 and +32 2 650 4137
e-mail	Ali.Bayar@ulb.ac.be

Italy

Scenario: Past profile of 6 countries 2000-2006

Table 1: Payments profile – Italy (mil. euro, current prices)

Italy (mil. euro, current prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	707	1,783	2,377	2,513	2,678	2,526	2,465	3,327	3,327	21,704
Structural funds	707	1,783	2,377	2,513	2,678	2,526	2,465	3,327	3,327	21,704
<i>Productive environment</i>	235	592	789	834	889	839	819	1,105	1,105	7,206
Manufacturing	117	296	395	417	445	419	409	552	552	3,603
Services	117	296	395	417	445	419	409	552	552	3,603
<i>Human resources</i>	145	365	487	515	549	518	505	682	682	4,449
<i>Infrastructure</i>	278	701	934	988	1,053	993	969	1,308	1,308	8,530
<i>Rest (services)</i>	49	125	166	176	187	177	173	233	233	1,519
Cohesion funds	0	0	0	0	0	0	0	0	0	0

Table 2: Payments profile – Italy (mil. euro, 2004 prices)

Italy (mil. euro, 2004 prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	666	1,647	2,153	2,232	2,331	2,156	2,063	2,729	2,676	18,654
Structural funds	666	1,647	2,153	2,232	2,331	2,156	2,063	2,729	2,676	18,654
<i>Productive environment</i>	221	547	715	741	774	716	685	906	888	6,193
Manufacturing	111	273	357	370	387	358	342	453	444	3,097
Services	111	273	357	370	387	358	342	453	444	3,097
<i>Human resources</i>	136	338	441	457	478	442	423	560	549	3,824
<i>Infrastructure</i>	262	647	846	877	916	847	811	1,073	1,052	7,331
<i>Rest (services)</i>	47	115	151	156	163	151	144	191	187	1,306
Cohesion funds	0	0	0	0	0	0	0	0	0	0

Table 3: Payments profile – Italy (% of total payments)

Italy (% of total payments)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0
Structural funds	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0
Productive environment	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0
Manufacturing	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0
Services	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0
Human resources	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0
Infrastructure	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0
Rest (services)	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0
Cohesion funds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 4: Macroeconomic effects in real terms (% change compared to BAU)

Macroeconomic effects in real terms (% change to the BAU)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
GDP	0.01	0.04	0.07	0.12	0.16	0.21	0.25	0.31	0.36	0.40	0.41	0.42	0.43	0.44
Private consumption	0.03	0.07	0.10	0.12	0.15	0.18	0.20	0.25	0.29	0.26	0.28	0.29	0.30	0.30
Government consumption	0.02	0.05	0.09	0.12	0.16	0.20	0.24	0.29	0.34	0.35	0.37	0.38	0.40	0.41
Gross fixed investment	0.24	0.59	0.81	0.89	0.98	0.99	1.02	1.28	1.34	0.67	0.68	0.70	0.71	0.73
Exports	-0.06	-0.14	-0.17	-0.14	-0.11	-0.05	0.00	-0.03	0.03	0.33	0.34	0.36	0.37	0.38
Imports	0.18	0.42	0.53	0.54	0.56	0.53	0.52	0.66	0.66	0.21	0.23	0.24	0.26	0.27

Table 5: Labour market effects (% change compared to BAU)

Labour market effects	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
National employment	0.02	0.05	0.07	0.09	0.10	0.12	0.14	0.17	0.19	0.17	0.18	0.19	0.20	0.20
Number of unemployed	-0.15	-0.38	-0.57	-0.71	-0.87	-1.00	-1.14	-1.41	-1.60	-1.43	-1.50	-1.57	-1.63	-1.68
Active population	0.00	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05
Unemployment rate (%)	8.39	8.37	8.35	8.34	8.33	8.31	8.30	8.28	8.26	8.28	8.27	8.26	8.26	8.25
Unemployment rate (% points difference with BAU)	-0.01	-0.03	-0.05	-0.06	-0.07	-0.09	-0.10	-0.12	-0.14	-0.12	-0.13	-0.14	-0.14	-0.15

Table 6: Effects on households (% change compared to BAU)

Effects on households	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Household real income	0.03	0.07	0.10	0.13	0.15	0.18	0.20	0.25	0.28	0.26	0.27	0.28	0.29	0.30
Household real consumption	0.03	0.07	0.10	0.12	0.15	0.18	0.20	0.25	0.29	0.26	0.28	0.29	0.30	0.30
Household real savings	0.04	0.09	0.12	0.14	0.16	0.17	0.19	0.23	0.26	0.20	0.21	0.22	0.23	0.23
Propensity to save (%)	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92
Propensity to save (% points difference with BAU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
Real average wage	0.02	0.05	0.08	0.09	0.12	0.13	0.15	0.19	0.22	0.19	0.20	0.21	0.22	0.23
Real average return to capital	0.03	0.06	0.05	0.03	0.01	-0.01	-0.03	-0.04	-0.06	-0.13	-0.14	-0.15	-0.16	-0.16

Table 7: Private consumption (% change compared to BAU)

Private consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.04	0.09	0.11	0.12	0.13	0.14	0.16	0.21	0.24	0.17	0.21	0.23	0.26	0.28
Manufacturing	0.04	0.09	0.12	0.14	0.16	0.18	0.20	0.25	0.28	0.22	0.24	0.26	0.27	0.29
High-Tech Manufacturing	0.05	0.12	0.16	0.17	0.18	0.19	0.20	0.26	0.28	0.19	0.21	0.22	0.24	0.25
Services	0.01	0.04	0.07	0.11	0.15	0.18	0.21	0.25	0.30	0.32	0.32	0.32	0.33	0.33
Construction	-0.08	-0.16	-0.16	-0.10	-0.05	0.02	0.08	0.05	0.11	0.42	0.38	0.36	0.35	0.34
Public administration	0.00	0.01	0.02	0.04	0.06	0.09	0.11	0.14	0.18	0.21	0.23	0.25	0.26	0.28
Private consumption - total	0.02	0.06	0.09	0.12	0.15	0.18	0.21	0.25	0.29	0.27	0.28	0.29	0.30	0.31

Table 8: Public consumption (% change compared to BAU)

Public consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.06	0.14	0.17	0.16	0.18	0.18	0.20	0.27	0.30	0.17	0.23	0.28	0.32	0.35
Manufacturing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High-Tech Manufacturing	0.07	0.17	0.22	0.23	0.25	0.25	0.27	0.35	0.38	0.23	0.27	0.29	0.31	0.33
Services	0.02	0.06	0.10	0.15	0.20	0.24	0.29	0.34	0.40	0.41	0.42	0.42	0.43	0.44
Construction	-0.08	-0.16	-0.15	-0.08	-0.02	0.07	0.13	0.11	0.19	0.52	0.49	0.47	0.45	0.45
Public administration	0.01	0.03	0.05	0.08	0.11	0.14	0.18	0.22	0.26	0.29	0.32	0.34	0.36	0.38
Public consumption - total	0.02	0.05	0.09	0.12	0.16	0.20	0.24	0.29	0.34	0.35	0.37	0.38	0.40	0.41

Table 9: Domestic sales (% change compared to BAU)

Domestic sales	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.01	0.03	0.06	0.09	0.13	0.16	0.20	0.25	0.30	0.33	0.35	0.37	0.39
Manufacturing	0.02	0.06	0.10	0.13	0.18	0.21	0.25	0.31	0.36	0.36	0.38	0.40	0.41	0.42
High-Tech Manufacturing	0.07	0.18	0.26	0.30	0.35	0.39	0.42	0.53	0.58	0.43	0.45	0.47	0.48	0.50
Services	0.01	0.05	0.09	0.13	0.17	0.21	0.26	0.31	0.36	0.38	0.39	0.40	0.41	0.42
Construction	0.18	0.46	0.63	0.71	0.79	0.81	0.84	1.05	1.11	0.61	0.62	0.63	0.65	0.66
Public administration	0.01	0.03	0.05	0.08	0.11	0.14	0.18	0.22	0.26	0.29	0.32	0.34	0.36	0.38
Domestic sales - total	0.03	0.09	0.14	0.18	0.23	0.27	0.31	0.37	0.43	0.39	0.40	0.42	0.43	0.44

Table 10: Domestic production (% change compared to BAU)

Domestic production	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.02	-0.06	-0.06	-0.04	-0.02	0.03	0.07	0.09	0.15	0.27	0.32	0.35	0.38	0.41
Manufacturing	-0.03	-0.06	-0.05	-0.01	0.04	0.10	0.15	0.18	0.24	0.40	0.42	0.44	0.45	0.47
High-Tech Manufacturing	-0.04	-0.07	-0.06	-0.02	0.03	0.09	0.15	0.17	0.24	0.42	0.44	0.46	0.48	0.50
Services	0.00	0.02	0.06	0.10	0.15	0.20	0.24	0.29	0.35	0.40	0.40	0.41	0.42	0.43
Construction	0.19	0.47	0.64	0.72	0.80	0.82	0.86	1.07	1.13	0.62	0.63	0.64	0.65	0.67
Public administration	0.01	0.03	0.05	0.08	0.11	0.14	0.18	0.22	0.26	0.29	0.32	0.34	0.36	0.38
Domestic production - total	0.00	0.02	0.06	0.10	0.15	0.20	0.25	0.30	0.35	0.41	0.42	0.43	0.44	0.46

Table 11: Employment (% change compared to BAU)

Employment	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.05	-0.11	-0.12	-0.08	-0.04	0.01	0.05	0.04	0.09	0.28	0.28	0.28	0.28	0.28
Manufacturing	-0.07	-0.14	-0.14	-0.10	-0.06	0.00	0.04	0.01	0.06	0.31	0.29	0.27	0.26	0.26
High-Tech Manufacturing	-0.08	-0.17	-0.17	-0.12	-0.08	-0.01	0.03	0.00	0.06	0.35	0.33	0.32	0.31	0.30
Services	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.14	0.15	0.16
Construction	0.40	0.95	1.17	1.15	1.16	1.04	1.00	1.34	1.31	0.06	0.16	0.25	0.31	0.35
Public administration	0.02	0.05	0.08	0.10	0.12	0.14	0.16	0.19	0.22	0.20	0.20	0.20	0.20	0.20
Employment - total	0.02	0.05	0.07	0.09	0.10	0.12	0.14	0.17	0.19	0.17	0.18	0.19	0.20	0.20

Table 12: Investments by branch (% change compared to BAU)

Investments by branch	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.17	-0.31	-0.20	0.04	0.23	0.45	0.61	0.58	0.76	1.42	1.23	1.09	0.99	0.92
Manufacturing	0.04	0.16	0.33	0.50	0.65	0.77	0.87	0.98	1.11	1.09	0.99	0.93	0.88	0.85
High-Tech Manufacturing	0.01	0.10	0.28	0.46	0.62	0.76	0.87	0.98	1.12	1.21	1.10	1.02	0.97	0.94
Services	0.29	0.71	0.93	0.99	1.07	1.05	1.06	1.35	1.39	0.54	0.58	0.61	0.64	0.67
Construction	0.81	1.88	2.26	2.16	2.16	1.90	1.81	2.51	2.44	-0.08	0.23	0.46	0.63	0.76
Public administration	0.04	0.13	0.24	0.36	0.48	0.58	0.67	0.78	0.90	0.94	0.91	0.89	0.88	0.87
Total investments - total	0.24	0.60	0.81	0.90	0.99	1.00	1.03	1.29	1.35	0.67	0.68	0.70	0.72	0.73

Table 13: Imports (% change compared to BAU)

Imports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.12	0.30	0.42	0.48	0.53	0.54	0.55	0.64	0.67	0.42	0.36	0.31	0.28	0.26
Manufacturing	0.17	0.39	0.49	0.50	0.51	0.47	0.45	0.58	0.58	0.16	0.17	0.18	0.19	0.20
High-Tech Manufacturing	0.19	0.45	0.58	0.62	0.66	0.64	0.64	0.81	0.83	0.35	0.36	0.37	0.38	0.39
Services	0.19	0.43	0.50	0.46	0.44	0.38	0.34	0.47	0.45	-0.04	0.02	0.07	0.11	0.14
Construction	0.53	1.23	1.50	1.45	1.45	1.29	1.22	1.64	1.59	0.02	0.15	0.25	0.33	0.39
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Imports - total	0.18	0.42	0.53	0.54	0.56	0.53	0.52	0.66	0.66	0.21	0.23	0.24	0.26	0.27

Table 14: Exports (% change compared to BAU)

Exports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.06	-0.15	-0.20	-0.20	-0.20	-0.16	-0.13	-0.16	-0.12	0.16	0.21	0.25	0.29	0.32
Manufacturing	-0.06	-0.15	-0.18	-0.15	-0.13	-0.07	-0.02	-0.05	0.01	0.32	0.34	0.35	0.36	0.38
High-Tech Manufacturing	-0.06	-0.14	-0.16	-0.14	-0.12	-0.07	-0.02	-0.05	0.01	0.30	0.31	0.33	0.35	0.37
Services	-0.06	-0.14	-0.15	-0.10	-0.05	0.02	0.08	0.07	0.14	0.45	0.43	0.43	0.43	0.43
Construction	-0.07	-0.14	-0.12	-0.03	0.04	0.15	0.23	0.22	0.32	0.68	0.63	0.60	0.58	0.57
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Exports - total	-0.06	-0.14	-0.17	-0.14	-0.11	-0.05	0.00	-0.03	0.03	0.33	0.34	0.36	0.37	0.38

Table 15: Consumer prices (% change compared to BAU)

Consumer prices	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.04	-0.08	-0.07	-0.04	-0.02	0.01	0.03	0.01	0.03	0.14	0.11	0.09	0.07	0.06
Manufacturing	-0.04	-0.08	-0.09	-0.07	-0.05	-0.03	-0.02	-0.03	-0.02	0.09	0.07	0.06	0.06	0.05
High-Tech Manufacturing	-0.05	-0.11	-0.12	-0.09	-0.07	-0.04	-0.02	-0.04	-0.02	0.13	0.11	0.10	0.09	0.09
Services	-0.01	-0.02	-0.03	-0.03	-0.03	-0.03	-0.03	-0.04	-0.04	-0.01	-0.01	-0.01	0.00	0.00
Construction	0.09	0.20	0.23	0.20	0.18	0.14	0.12	0.19	0.17	-0.13	-0.08	-0.05	-0.03	-0.01
Public administration	0.00	0.01	0.02	0.04	0.06	0.07	0.08	0.09	0.10	0.10	0.09	0.08	0.07	0.06
Consumer price index	-0.02	-0.05	-0.05	-0.05	-0.04	-0.03	-0.02	-0.03	-0.02	0.03	0.03	0.03	0.03	0.03

Table 16: Price index of domestic production (% change compared to BAU)

Price index of domestic production	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.05	-0.09	-0.07	-0.02	0.01	0.06	0.08	0.06	0.08	0.22	0.17	0.13	0.10	0.08
Manufacturing	-0.04	-0.08	-0.08	-0.06	-0.04	-0.02	-0.01	-0.03	-0.01	0.09	0.07	0.06	0.05	0.04
High-Tech Manufacturing	-0.04	-0.09	-0.09	-0.07	-0.05	-0.03	-0.01	-0.03	-0.02	0.11	0.09	0.07	0.06	0.05
Services	-0.01	-0.02	-0.03	-0.03	-0.03	-0.03	-0.03	-0.04	-0.04	-0.02	-0.01	-0.01	-0.01	0.00
Construction	0.08	0.19	0.21	0.19	0.17	0.13	0.11	0.18	0.16	-0.12	-0.08	-0.05	-0.02	-0.01
Public administration	0.00	0.01	0.02	0.04	0.06	0.07	0.08	0.09	0.10	0.10	0.09	0.08	0.07	0.06
Price index of total domestic production	-0.01	-0.03	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.02	0.02	0.02	0.02	0.02

Italy

Scenario: Worst case payment scenario (n+3/n+2)

Table 17: Payments profile – Italy (mil. euro, current prices)

Italy (mil. euro, current prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	0	0	0	2,944	3,105	3,040	6,180	3,192	3,243	21,704
Structural funds	0	0	0	2,944	3,105	3,040	6,180	3,192	3,243	21,704
<i>Productive environment</i>	0	0	0	977	1,031	1,009	2,052	1,060	1,077	7,206
Manufacturing	0	0	0	489	516	505	1,026	530	538	3,603
Services	0	0	0	489	516	505	1,026	530	538	3,603
<i>Human resources</i>	0	0	0	603	637	623	1,267	654	665	4,449
<i>Infrastructure</i>	0	0	0	1,157	1,220	1,195	2,429	1,254	1,275	8,530
<i>Rest (services)</i>	0	0	0	206	217	213	433	223	227	1,519
Cohesion funds	0	0	0	0	0	0	0	0	0	0

Table 18: Payments profile – Italy (mil. euro, 2004 prices)

Italy (mil. euro, 2004 prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	0	0	0	2,614	2,704	2,594	5,171	2,618	2,609	18,310
Structural funds	0	0	0	2,614	2,704	2,594	5,171	2,618	2,609	18,310
<i>Productive environment</i>	0	0	0	868	898	861	1,717	869	866	6,079
Manufacturing	0	0	0	434	449	431	858	435	433	3,039
Services	0	0	0	434	449	431	858	435	433	3,039
<i>Human resources</i>	0	0	0	536	554	532	1,060	537	535	3,754
<i>Infrastructure</i>	0	0	0	1,027	1,062	1,020	2,032	1,029	1,025	7,196
<i>Rest (services)</i>	0	0	0	183	189	182	362	183	183	1,282
Cohesion funds	0	0	0	0	0	0	0	0	0	0

Table 19: Payments profile – Italy (% of total payments)

Italy (% of total payments)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	0.0	0.0	0.0	14.3	14.8	14.2	28.2	14.3	14.2	100.0
Structural funds	0.0	0.0	0.0	14.3	14.8	14.2	28.2	14.3	14.2	100.0
Productive environment	0.0	0.0	0.0	14.3	14.8	14.2	28.2	14.3	14.2	100.0
Manufacturing	0.0	0.0	0.0	14.3	14.8	14.2	28.2	14.3	14.2	100.0
Services	0.0	0.0	0.0	14.3	14.8	14.2	28.2	14.3	14.2	100.0
Human resources	0.0	0.0	0.0	14.3	14.8	14.2	28.2	14.3	14.2	100.0
Infrastructure	0.0	0.0	0.0	14.3	14.8	14.2	28.2	14.3	14.2	100.0
Rest (services)	0.0	0.0	0.0	14.3	14.8	14.2	28.2	14.3	14.2	100.0
Cohesion funds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 20: Macroeconomic effects in real terms (% change compared to BAU)

Macroeconomic effects in real terms (% change to the BAU)	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
GDP	0.00	0.00	0.00	0.03	0.08	0.13	0.21	0.28	0.33	0.37	0.38	0.39	0.40	0.41
Private consumption	0.00	0.00	0.00	0.08	0.11	0.14	0.23	0.23	0.26	0.24	0.25	0.26	0.27	0.28
Government consumption	0.00	0.00	0.00	0.05	0.09	0.13	0.22	0.26	0.31	0.32	0.34	0.35	0.37	0.38
Gross fixed investment	0.00	0.00	0.00	0.86	0.95	0.99	1.83	1.21	1.28	0.62	0.64	0.65	0.67	0.68
Exports	0.00	0.00	0.00	-0.25	-0.22	-0.16	-0.36	-0.04	0.02	0.31	0.32	0.33	0.34	0.35
Imports	0.00	0.00	0.00	0.60	0.61	0.58	1.10	0.62	0.64	0.19	0.21	0.22	0.24	0.25

Table 21: Labour market effects (% change compared to BAU)

Labour market effects	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
National employment	0.00	0.00	0.00	0.06	0.08	0.09	0.16	0.15	0.18	0.16	0.17	0.18	0.18	0.19
Number of unemployed	0.00	0.00	0.00	-0.49	-0.63	-0.77	-1.35	-1.26	-1.46	-1.30	-1.38	-1.45	-1.51	-1.56
Active population	0.00	0.00	0.00	0.01	0.02	0.02	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04
Unemployment rate (%)	8.40	8.40	8.40	8.36	8.35	8.33	8.28	8.29	8.27	8.29	8.28	8.27	8.27	8.27
Unemployment rate (% points difference with BAU)	0.00	0.00	0.00	-0.04	-0.05	-0.07	-0.12	-0.11	-0.13	-0.11	-0.12	-0.13	-0.13	-0.13

Table 22: Effects on households (% change compared to BAU)

Effects on households	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Household real income	0.00	0.00	0.00	0.09	0.11	0.14	0.24	0.23	0.26	0.24	0.25	0.26	0.27	0.28
Household real consumption	0.00	0.00	0.00	0.08	0.11	0.14	0.23	0.23	0.26	0.24	0.25	0.26	0.27	0.28
Household real savings	0.00	0.00	0.00	0.12	0.14	0.15	0.27	0.22	0.24	0.19	0.20	0.20	0.21	0.22
Propensity to save (%)	10.92	10.92	10.92	10.93	10.93	10.92	10.93	10.92	10.92	10.92	10.92	10.92	10.92	10.92
Propensity to save (% points difference with BAU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
Real average wage	0.00	0.00	0.00	0.07	0.08	0.10	0.18	0.17	0.20	0.18	0.19	0.20	0.20	0.21
Real average return to capital	0.00	0.00	0.00	0.08	0.06	0.03	0.07	-0.03	-0.05	-0.12	-0.13	-0.13	-0.14	-0.15

Table 23: Private consumption (% change compared to BAU)

Private consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	0.13	0.12	0.12	0.25	0.16	0.20	0.14	0.18	0.21	0.23	0.25
Manufacturing	0.00	0.00	0.00	0.12	0.14	0.15	0.28	0.22	0.25	0.20	0.22	0.24	0.25	0.26
High-Tech Manufacturing	0.00	0.00	0.00	0.17	0.17	0.18	0.33	0.23	0.25	0.16	0.18	0.20	0.22	0.23
Services	0.00	0.00	0.00	0.04	0.08	0.12	0.19	0.24	0.28	0.30	0.30	0.30	0.31	0.31
Construction	0.00	0.00	0.00	-0.28	-0.20	-0.11	-0.30	0.09	0.13	0.42	0.38	0.35	0.34	0.33
Public administration	0.00	0.00	0.00	0.01	0.02	0.04	0.07	0.11	0.15	0.18	0.20	0.22	0.24	0.25
Private consumption - total	0.00	0.00	0.00	0.07	0.10	0.13	0.23	0.23	0.27	0.25	0.26	0.27	0.28	0.29

Table 24: Public consumption (% change compared to BAU)

Public consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	0.21	0.19	0.17	0.36	0.19	0.23	0.12	0.18	0.24	0.28	0.31
Manufacturing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High-Tech Manufacturing	0.00	0.00	0.00	0.24	0.24	0.24	0.46	0.30	0.34	0.20	0.23	0.26	0.29	0.31
Services	0.00	0.00	0.00	0.06	0.11	0.16	0.27	0.32	0.37	0.39	0.39	0.40	0.40	0.41
Construction	0.00	0.00	0.00	-0.29	-0.19	-0.08	-0.27	0.15	0.21	0.52	0.48	0.45	0.44	0.43
Public administration	0.00	0.00	0.00	0.03	0.05	0.08	0.14	0.18	0.23	0.25	0.28	0.31	0.33	0.35
Public consumption - total	0.00	0.00	0.00	0.05	0.09	0.13	0.22	0.26	0.31	0.32	0.34	0.35	0.37	0.38

Table 25: Domestic sales (% change compared to BAU)

Domestic sales	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	0.00	0.03	0.06	0.10	0.16	0.21	0.27	0.30	0.32	0.34	0.36
Manufacturing	0.00	0.00	0.00	0.07	0.11	0.15	0.25	0.28	0.33	0.33	0.35	0.37	0.38	0.39
High-Tech Manufacturing	0.00	0.00	0.00	0.24	0.29	0.33	0.60	0.48	0.54	0.40	0.42	0.43	0.45	0.46
Services	0.00	0.00	0.00	0.05	0.09	0.14	0.23	0.28	0.33	0.35	0.36	0.37	0.38	0.39
Construction	0.00	0.00	0.00	0.66	0.74	0.78	1.44	1.00	1.06	0.57	0.58	0.59	0.60	0.62
Public administration	0.00	0.00	0.00	0.03	0.05	0.08	0.14	0.18	0.22	0.25	0.28	0.31	0.33	0.35
Domestic sales - total	0.00	0.00	0.00	0.11	0.16	0.20	0.34	0.34	0.39	0.36	0.37	0.39	0.40	0.41

Table 26: Domestic production (% change compared to BAU)

Domestic production	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	-0.09	-0.08	-0.05	-0.09	0.03	0.09	0.22	0.27	0.31	0.34	0.37
Manufacturing	0.00	0.00	0.00	-0.11	-0.06	-0.01	-0.05	0.15	0.21	0.37	0.39	0.40	0.42	0.43
High-Tech Manufacturing	0.00	0.00	0.00	-0.13	-0.08	-0.02	-0.09	0.13	0.20	0.38	0.40	0.42	0.44	0.46
Services	0.00	0.00	0.00	0.01	0.06	0.11	0.17	0.27	0.32	0.37	0.38	0.39	0.39	0.40
Construction	0.00	0.00	0.00	0.67	0.76	0.80	1.47	1.01	1.08	0.58	0.59	0.60	0.61	0.62
Public administration	0.00	0.00	0.00	0.03	0.05	0.08	0.14	0.18	0.22	0.25	0.28	0.31	0.33	0.35
Domestic production - total	0.00	0.00	0.00	0.01	0.06	0.11	0.17	0.27	0.32	0.38	0.39	0.40	0.41	0.42

Table 27: Employment (% change compared to BAU)

Employment	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	-0.19	-0.14	-0.08	-0.21	0.04	0.08	0.27	0.27	0.26	0.26	0.26
Manufacturing	0.00	0.00	0.00	-0.24	-0.18	-0.11	-0.27	0.04	0.07	0.31	0.28	0.26	0.25	0.24
High-Tech Manufacturing	0.00	0.00	0.00	-0.28	-0.21	-0.13	-0.33	0.03	0.07	0.35	0.33	0.31	0.30	0.29
Services	0.00	0.00	0.00	0.02	0.03	0.04	0.06	0.08	0.10	0.11	0.12	0.13	0.14	0.15
Construction	0.00	0.00	0.00	1.45	1.39	1.26	2.54	1.15	1.18	-0.02	0.10	0.19	0.26	0.31
Public administration	0.00	0.00	0.00	0.06	0.09	0.11	0.18	0.19	0.21	0.19	0.19	0.19	0.19	0.19
Employment - total	0.00	0.00	0.00	0.06	0.08	0.09	0.16	0.15	0.18	0.16	0.17	0.18	0.18	0.19

Table 28: Investments by branch (% change compared to BAU)

Investments by branch	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	-0.60	-0.26	0.07	-0.24	0.79	0.89	1.49	1.27	1.11	1.00	0.91
Manufacturing	0.00	0.00	0.00	0.14	0.38	0.57	0.86	1.07	1.16	1.11	0.99	0.91	0.86	0.82
High-Tech Manufacturing	0.00	0.00	0.00	0.05	0.31	0.52	0.74	1.08	1.18	1.23	1.10	1.01	0.95	0.91
Services	0.00	0.00	0.00	1.03	1.10	1.10	2.08	1.25	1.31	0.49	0.53	0.56	0.59	0.61
Construction	0.00	0.00	0.00	2.92	2.69	2.36	4.89	2.01	2.09	-0.30	0.05	0.31	0.50	0.65
Public administration	0.00	0.00	0.00	0.11	0.26	0.40	0.62	0.79	0.90	0.93	0.89	0.86	0.84	0.83
Total investments - total	0.00	0.00	0.00	0.86	0.96	0.99	1.84	1.22	1.29	0.63	0.64	0.65	0.67	0.68

Table 29: Imports (% change compared to BAU)

Imports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	0.37	0.47	0.52	0.88	0.71	0.72	0.46	0.38	0.33	0.29	0.26
Manufacturing	0.00	0.00	0.00	0.56	0.56	0.53	1.00	0.55	0.56	0.15	0.16	0.17	0.18	0.19
High-Tech Manufacturing	0.00	0.00	0.00	0.63	0.67	0.67	1.25	0.77	0.80	0.33	0.34	0.35	0.36	0.37
Services	0.00	0.00	0.00	0.63	0.57	0.49	0.99	0.40	0.40	-0.07	-0.01	0.04	0.08	0.12
Construction	0.00	0.00	0.00	1.86	1.77	1.58	3.19	1.42	1.44	-0.07	0.08	0.19	0.27	0.34
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Imports - total	0.00	0.00	0.00	0.60	0.61	0.58	1.10	0.62	0.64	0.19	0.21	0.22	0.24	0.25

Table 30: Exports (% change compared to BAU)

Exports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	-0.25	-0.26	-0.24	-0.47	-0.22	-0.17	0.11	0.17	0.21	0.25	0.28
Manufacturing	0.00	0.00	0.00	-0.26	-0.23	-0.18	-0.39	-0.06	-0.01	0.29	0.31	0.32	0.34	0.35
High-Tech Manufacturing	0.00	0.00	0.00	-0.24	-0.21	-0.17	-0.36	-0.06	-0.01	0.27	0.29	0.31	0.32	0.34
Services	0.00	0.00	0.00	-0.25	-0.19	-0.11	-0.28	0.09	0.14	0.44	0.42	0.41	0.41	0.40
Construction	0.00	0.00	0.00	-0.27	-0.15	-0.03	-0.19	0.29	0.36	0.69	0.63	0.59	0.56	0.55
Public administration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Exports - total	0.00	0.00	0.00	-0.25	-0.22	-0.16	-0.36	-0.04	0.02	0.31	0.32	0.33	0.34	0.35

Table 31: Consumer prices (% change compared to BAU)

Consumer prices	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	-0.13	-0.08	-0.04	-0.12	0.05	0.05	0.16	0.12	0.10	0.08	0.06
Manufacturing	0.00	0.00	0.00	-0.13	-0.10	-0.07	-0.16	-0.02	-0.01	0.09	0.08	0.07	0.06	0.05
High-Tech Manufacturing	0.00	0.00	0.00	-0.17	-0.14	-0.10	-0.22	-0.02	-0.01	0.13	0.11	0.10	0.09	0.08
Services	0.00	0.00	0.00	-0.03	-0.03	-0.03	-0.06	-0.04	-0.04	-0.02	-0.01	-0.01	0.00	0.00
Construction	0.00	0.00	0.00	0.32	0.27	0.22	0.48	0.12	0.12	-0.15	-0.10	-0.06	-0.04	-0.02
Public administration	0.00	0.00	0.00	0.00	0.03	0.05	0.07	0.10	0.11	0.11	0.10	0.08	0.07	0.06
Consumer price index	0.00	0.00	0.00	-0.07	-0.06	-0.05	-0.10	-0.03	-0.02	0.03	0.03	0.03	0.03	0.02

Table 32: Price index of domestic production (% change compared to BAU)

Price index of domestic production	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.00	0.00	0.00	-0.15	-0.08	-0.01	-0.11	0.12	0.13	0.25	0.19	0.15	0.11	0.09
Manufacturing	0.00	0.00	0.00	-0.12	-0.09	-0.06	-0.15	0.00	0.00	0.10	0.08	0.06	0.05	0.04
High-Tech Manufacturing	0.00	0.00	0.00	-0.14	-0.11	-0.07	-0.17	-0.01	0.00	0.12	0.09	0.08	0.06	0.05
Services	0.00	0.00	0.00	-0.02	-0.03	-0.03	-0.06	-0.04	-0.04	-0.02	-0.02	-0.01	-0.01	-0.01
Construction	0.00	0.00	0.00	0.31	0.26	0.20	0.46	0.11	0.12	-0.15	-0.10	-0.06	-0.04	-0.02
Public administration	0.00	0.00	0.00	0.00	0.03	0.05	0.07	0.10	0.11	0.11	0.10	0.08	0.07	0.06
Price index of total domestic production	0.00	0.00	0.00	-0.04	-0.03	-0.02	-0.05	-0.01	-0.01	0.02	0.02	0.02	0.02	0.02