

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

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Poland

Scenario: Past profile of 6 countries 2000-2006

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

Poland (mil. euro, current prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	2,196	5,541	7,388	7,811	8,323	7,851	7,662	10,341	10,341	67,454
Structural funds	1,472	3,715	4,953	5,236	5,580	5,264	5,137	6,932	6,932	45,221
<i>Productive environment</i>	190	479	639	676	720	679	663	894	894	5,834
Manufacturing	118	297	396	418	446	421	410	554	554	3,613
Services	72	182	243	257	274	258	252	340	340	2,220
<i>Human resources</i>	417	1,051	1,402	1,482	1,579	1,490	1,454	1,962	1,962	12,798
<i>Infrastructure</i>	773	1,950	2,600	2,749	2,930	2,763	2,697	3,640	3,640	23,741
<i>Rest (services)</i>	93	234	312	330	352	332	324	437	437	2,849
Cohesion funds	724	1,826	2,435	2,574	2,743	2,588	2,525	3,408	3,408	22,232

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

Poland (mil. euro, 2004 prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	2,069	5,119	6,691	6,936	7,246	6,701	6,411	8,483	8,317	57,973
Structural funds	1,387	3,432	4,486	4,650	4,858	4,492	4,298	5,687	5,575	38,866
<i>Productive environment</i>	179	443	579	600	627	580	554	734	719	5,014
Manufacturing	111	274	358	372	388	359	343	454	445	3,105
Services	68	169	220	228	239	221	211	279	274	1,908
<i>Human resources</i>	393	971	1,270	1,316	1,375	1,271	1,216	1,609	1,578	10,999
<i>Infrastructure</i>	728	1,802	2,355	2,441	2,550	2,359	2,257	2,986	2,927	20,405
<i>Rest (services)</i>	87	216	283	293	306	283	271	358	351	2,449
Cohesion funds	682	1,687	2,205	2,286	2,388	2,209	2,113	2,796	2,741	19,108

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

Poland (% 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	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0

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	0.22	0.68	1.25	1.83	2.44	3.00	3.54	4.20	4.83	4.93	5.00	5.04	5.06	5.07
Private consumption	0.43	1.05	1.45	1.70	2.00	2.20	2.46	3.03	3.37	2.80	2.94	3.04	3.11	3.17
Government consumption	0.30	0.88	1.48	2.04	2.61	3.10	3.57	4.23	4.80	4.69	4.69	4.68	4.67	4.67
Gross fixed investment	3.21	7.78	10.24	10.92	11.67	11.35	11.32	14.03	14.23	5.37	5.39	5.41	5.42	5.42
Exports	-0.62	-1.31	-1.28	-0.71	-0.11	0.76	1.51	1.59	2.44	5.47	5.54	5.59	5.63	5.67
Imports	2.10	4.88	6.07	6.06	6.17	5.66	5.42	6.89	6.81	1.59	1.72	1.85	1.96	2.06

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	0.17	0.50	0.88	1.23	1.58	1.90	2.19	2.57	2.93	2.99	2.97	2.97	2.96	2.96
Number of unemployed	-0.74	-2.24	-3.90	-5.47	-7.03	-8.42	-9.72	-11.37	-12.95	-13.21	-13.16	-13.13	-13.10	-13.09
Active population	0.02	0.06	0.11	0.15	0.19	0.24	0.27	0.32	0.37	0.38	0.38	0.38	0.38	0.38
Unemployment rate (%)	15.98	15.73	15.46	15.20	14.94	14.71	14.50	14.22	13.96	13.92	13.93	13.93	13.94	13.94
Unemployment rate (% points difference with BAU)	-0.12	-0.37	-0.64	-0.90	-1.16	-1.39	-1.60	-1.88	-2.14	-2.18	-2.17	-2.17	-2.16	-2.16

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	0.45	1.09	1.49	1.71	1.99	2.18	2.42	2.99	3.31	2.68	2.83	2.94	3.02	3.08
Household real consumption	0.42	1.04	1.45	1.69	1.99	2.20	2.46	3.02	3.36	2.79	2.93	3.03	3.11	3.16
Household real savings	0.73	1.64	1.97	1.93	1.98	1.88	1.92	2.52	2.63	1.26	1.52	1.72	1.88	2.00
Propensity to save (%)	7.02	7.04	7.03	7.02	7.00	6.98	6.97	6.97	6.96	6.90	6.91	6.92	6.92	6.93
Propensity to save (% points difference with BAU)	0.02	0.04	0.03	0.01	0.00	-0.02	-0.03	-0.03	-0.05	-0.10	-0.09	-0.08	-0.08	-0.07
Real average wage	0.10	0.30	0.53	0.75	0.98	1.18	1.37	1.62	1.87	1.91	1.90	1.90	1.89	1.89
Real average return to capital	0.71	1.38	1.19	0.53	-0.03	-0.72	-1.21	-1.13	-1.62	-3.43	-3.16	-2.94	-2.76	-2.60

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	0.63	1.31	1.40	1.24	1.29	1.28	1.47	2.22	2.43	1.23	2.00	2.53	2.89	3.14
Manufacturing	0.58	1.34	1.69	1.77	1.94	1.99	2.15	2.76	2.99	1.98	2.24	2.44	2.60	2.72
High-Tech Manufacturing	0.75	1.70	2.06	2.04	2.11	2.03	2.08	2.72	2.85	1.39	1.66	1.87	2.04	2.18
Services	0.25	0.77	1.35	1.89	2.42	2.87	3.28	3.83	4.33	4.26	4.15	4.06	3.98	3.92
Construction	-0.34	-0.70	-0.63	-0.28	0.10	0.61	1.06	1.16	1.67	3.33	3.36	3.38	3.39	3.40
Public administration	0.26	0.64	0.88	1.03	1.24	1.40	1.62	2.03	2.30	2.03	2.23	2.38	2.50	2.59
Private consumption - total	0.38	0.96	1.38	1.66	2.00	2.25	2.54	3.09	3.46	3.03	3.13	3.20	3.25	3.29

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	0.81	1.69	1.79	1.57	1.64	1.64	1.91	2.91	3.19	1.63	2.68	3.41	3.90	4.24
Manufacturing	0.78	1.79	2.22	2.29	2.48	2.52	2.71	3.51	3.80	2.40	2.80	3.11	3.35	3.54
High-Tech Manufacturing	1.00	2.26	2.72	2.67	2.75	2.63	2.69	3.53	3.70	1.73	2.11	2.41	2.65	2.85
Services	0.29	0.94	1.72	2.46	3.19	3.82	4.39	5.11	5.80	5.79	5.64	5.51	5.41	5.32
Construction	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
Public administration	0.31	0.80	1.19	1.51	1.88	2.20	2.55	3.11	3.55	3.31	3.50	3.64	3.76	3.85
Public consumption - total	0.30	0.88	1.48	2.04	2.61	3.10	3.57	4.23	4.80	4.69	4.69	4.68	4.67	4.67

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	0.03	0.09	0.26	0.56	0.97	1.46	2.00	2.54	3.11	3.75	4.22	4.54	4.75	4.89
Manufacturing	0.30	0.83	1.34	1.79	2.29	2.73	3.18	3.84	4.39	4.24	4.39	4.50	4.58	4.64
High-Tech Manufacturing	1.30	3.21	4.38	4.90	5.49	5.67	5.96	7.33	7.76	4.65	4.77	4.86	4.93	4.98
Services	0.31	0.90	1.52	2.09	2.68	3.19	3.68	4.37	4.96	4.81	4.83	4.84	4.84	4.83
Construction	1.62	4.00	5.44	6.04	6.68	6.79	7.02	8.61	9.00	4.87	4.89	4.90	4.90	4.90
Public administration	0.31	0.79	1.19	1.50	1.87	2.19	2.54	3.10	3.53	3.30	3.49	3.63	3.74	3.83
Domestic sales - total	0.53	1.40	2.11	2.62	3.18	3.59	4.02	4.85	5.39	4.55	4.65	4.71	4.75	4.77

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	-0.10	-0.25	-0.22	0.03	0.44	1.00	1.61	2.16	2.79	3.77	4.45	4.90	5.19	5.38
Manufacturing	-0.37	-0.70	-0.48	0.13	0.77	1.57	2.29	2.65	3.45	5.33	5.52	5.66	5.75	5.81
High-Tech Manufacturing	-0.35	-0.63	-0.36	0.29	0.98	1.83	2.61	3.04	3.91	5.81	6.04	6.23	6.37	6.48
Services	0.20	0.68	1.32	1.99	2.65	3.26	3.82	4.47	5.13	5.32	5.27	5.21	5.16	5.12
Construction	1.54	3.82	5.26	5.92	6.62	6.80	7.08	8.63	9.08	5.20	5.18	5.15	5.12	5.09
Public administration	0.31	0.79	1.19	1.50	1.86	2.17	2.52	3.08	3.51	3.27	3.46	3.61	3.73	3.82
Domestic production - total	0.12	0.47	1.01	1.63	2.27	2.90	3.48	4.11	4.80	5.20	5.28	5.33	5.35	5.36

Table 11: Employment (% change compared to BAU)

Employment	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.45	-0.69	-0.18	0.67	1.35	2.11	2.63	2.67	3.31	5.16	4.58	4.18	3.90	3.71
Manufacturing	-0.60	-1.14	-0.88	-0.11	0.59	1.47	2.17	2.25	2.99	5.40	5.20	5.01	4.83	4.67
High-Tech Manufacturing	-0.61	-1.12	-0.72	0.20	1.03	2.04	2.81	2.91	3.77	6.37	6.04	5.78	5.58	5.41
Services	0.43	0.92	1.04	0.96	0.99	0.96	1.04	1.47	1.59	0.82	1.19	1.46	1.67	1.83
Construction	3.39	7.99	9.97	9.92	10.04	9.06	8.53	10.97	10.59	1.06	1.39	1.65	1.84	1.99
Public administration	0.39	0.97	1.36	1.61	1.89	2.08	2.31	2.81	3.09	2.53	2.63	2.70	2.74	2.77
Employment - total	0.17	0.50	0.88	1.23	1.58	1.90	2.19	2.57	2.93	2.99	2.97	2.97	2.96	2.96

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	-1.79	-2.77	-0.90	2.02	4.11	6.30	7.53	6.92	8.58	14.47	11.51	9.43	8.00	7.01
Manufacturing	-0.71	-0.86	0.55	2.63	4.43	6.27	7.61	8.14	9.64	12.56	11.48	10.55	9.77	9.11
High-Tech Manufacturing	-0.87	-1.11	0.47	2.82	4.82	6.87	8.33	8.79	10.48	14.02	12.69	11.61	10.74	10.04
Services	4.79	11.24	14.10	14.21	14.58	13.42	12.89	16.54	16.24	2.64	3.20	3.63	3.97	4.22
Construction	4.49	10.51	13.24	13.50	13.95	13.00	12.57	15.99	15.83	3.17	3.64	4.01	4.31	4.53
Public administration	-0.08	0.20	1.07	2.19	3.24	4.30	5.17	5.85	6.86	8.10	7.78	7.49	7.24	7.02
Total investments - total	3.25	7.87	10.35	11.03	11.79	11.46	11.42	14.16	14.36	5.38	5.41	5.42	5.43	5.43

Table 13: Imports (% change compared to BAU)

Imports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	1.27	3.34	4.87	5.55	5.89	5.69	5.34	5.74	5.76	3.19	1.64	0.70	0.17	-0.10
Manufacturing	1.78	4.10	5.05	4.98	5.01	4.54	4.29	5.43	5.33	1.12	1.17	1.22	1.28	1.34
High-Tech Manufacturing	2.23	5.34	6.93	7.29	7.72	7.44	7.39	9.19	9.32	3.52	3.56	3.60	3.63	3.65
Services	2.32	4.87	5.03	3.81	2.96	1.64	0.91	2.08	1.43	-4.04	-3.01	-2.18	-1.51	-0.97
Construction	4.75	11.05	13.32	12.59	12.19	10.35	9.28	12.39	11.53	-1.34	-0.67	-0.13	0.31	0.67
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	2.10	4.88	6.07	6.06	6.17	5.66	5.42	6.89	6.81	1.59	1.72	1.85	1.96	2.06

Table 14: Exports (% change compared to BAU)

Exports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.41	-1.03	-1.32	-1.20	-0.90	-0.31	0.34	0.68	1.33	3.28	4.26	4.92	5.36	5.64
Manufacturing	-0.64	-1.41	-1.46	-0.96	-0.43	0.39	1.12	1.14	1.96	5.07	5.23	5.35	5.44	5.51
High-Tech Manufacturing	-0.59	-1.29	-1.34	-0.87	-0.37	0.41	1.11	1.17	1.96	4.87	5.07	5.23	5.37	5.49
Services	-0.61	-1.14	-0.73	0.26	1.21	2.38	3.33	3.55	4.64	7.72	7.30	6.96	6.68	6.45
Construction	-0.58	-1.15	-0.89	-0.08	0.70	1.72	2.55	2.70	3.65	6.55	6.30	6.09	5.92	5.79
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	-0.62	-1.31	-1.28	-0.71	-0.11	0.76	1.51	1.59	2.44	5.47	5.54	5.59	5.63	5.67

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	-0.49	-0.85	-0.51	0.09	0.49	0.93	1.12	0.84	1.10	2.46	1.70	1.18	0.83	0.59
Manufacturing	-0.44	-0.88	-0.82	-0.49	-0.21	0.15	0.39	0.27	0.50	1.62	1.43	1.27	1.14	1.03
High-Tech Manufacturing	-0.62	-1.26	-1.22	-0.77	-0.40	0.11	0.46	0.31	0.65	2.27	2.07	1.90	1.75	1.63
Services	-0.07	-0.26	-0.46	-0.61	-0.73	-0.79	-0.81	-0.87	-0.92	-0.81	-0.61	-0.45	-0.33	-0.24
Construction	0.58	1.36	1.73	1.76	1.81	1.67	1.58	2.01	1.94	0.17	0.23	0.26	0.29	0.30
Public administration	-0.09	-0.12	0.06	0.32	0.55	0.79	0.97	1.05	1.24	1.57	1.45	1.34	1.25	1.17
Consumer price index	-0.22	-0.47	-0.49	-0.37	-0.27	-0.12	-0.02	-0.08	0.01	0.51	0.49	0.47	0.45	0.44

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	-0.55	-0.90	-0.42	0.36	0.87	1.39	1.62	1.27	1.59	3.14	2.13	1.44	0.97	0.65
Manufacturing	-0.41	-0.80	-0.66	-0.26	0.06	0.44	0.68	0.54	0.79	1.93	1.61	1.36	1.16	1.00
High-Tech Manufacturing	-0.46	-0.89	-0.75	-0.31	0.04	0.47	0.75	0.61	0.89	2.16	1.84	1.58	1.37	1.20
Services	-0.06	-0.22	-0.42	-0.58	-0.70	-0.77	-0.80	-0.85	-0.90	-0.83	-0.63	-0.48	-0.36	-0.27
Construction	0.55	1.30	1.64	1.66	1.69	1.54	1.45	1.85	1.77	0.10	0.15	0.19	0.22	0.24
Public administration	-0.09	-0.12	0.06	0.32	0.55	0.79	0.97	1.05	1.24	1.57	1.45	1.34	1.25	1.17
Price index of total domestic production	-0.15	-0.30	-0.29	-0.19	-0.11	0.00	0.07	0.03	0.10	0.46	0.41	0.37	0.34	0.31

Poland

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

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

Poland (mil. euro, current prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	0	0	0	8,150	8,686	9,237	19,514	10,631	11,235	67,454
Structural funds	0	0	0	6,147	6,290	6,433	12,861	6,664	6,827	45,221
<i>Productive environment</i>	0	0	0	793	811	830	1,659	860	881	5,834
Manufacturing	0	0	0	491	503	514	1,028	532	545	3,613
Services	0	0	0	302	309	316	631	327	335	2,220
<i>Human resources</i>	0	0	0	1,739	1,780	1,821	3,640	1,886	1,932	12,798
<i>Infrastructure</i>	0	0	0	3,227	3,302	3,378	6,752	3,499	3,584	23,741
<i>Rest (services)</i>	0	0	0	387	396	405	810	420	430	2,849
Cohesion funds	0	0	0	2,004	2,397	2,803	6,653	3,967	4,409	22,232

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

Poland (mil. euro, 2004 prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	0	0	0	7,237	7,562	7,883	16,328	8,721	9,036	56,768
Structural funds	0	0	0	5,458	5,476	5,491	10,762	5,467	5,490	38,143
<i>Productive environment</i>	0	0	0	704	706	708	1,388	705	708	4,920
Manufacturing	0	0	0	436	438	439	860	437	439	3,048
Services	0	0	0	268	269	270	528	268	270	1,873
<i>Human resources</i>	0	0	0	1,545	1,550	1,554	3,046	1,547	1,554	10,795
<i>Infrastructure</i>	0	0	0	2,865	2,875	2,883	5,650	2,870	2,882	20,025
<i>Rest (services)</i>	0	0	0	344	345	346	678	344	346	2,403
Cohesion funds	0	0	0	1,779	2,086	2,393	5,567	3,255	3,546	18,625

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

Poland (% of total payments)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	0.0	0.0	0.0	12.7	13.3	13.9	28.8	15.4	15.9	100.0
Structural funds	0.0	0.0	0.0	14.3	14.4	14.4	28.2	14.3	14.4	100.0
Productive environment	0.0	0.0	0.0	14.3	14.4	14.4	28.2	14.3	14.4	100.0
Manufacturing	0.0	0.0	0.0	14.3	14.4	14.4	28.2	14.3	14.4	100.0
Services	0.0	0.0	0.0	14.3	14.4	14.4	28.2	14.3	14.4	100.0
Human resources	0.0	0.0	0.0	14.3	14.4	14.4	28.2	14.3	14.4	100.0
Infrastructure	0.0	0.0	0.0	14.3	14.4	14.4	28.2	14.3	14.4	100.0
Rest (services)	0.0	0.0	0.0	14.3	14.4	14.4	28.2	14.3	14.4	100.0
Cohesion funds	0.0	0.0	0.0	9.6	11.2	12.8	29.9	17.5	19.0	100.0

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	0.59	1.19	1.81	2.98	3.70	4.41	4.54	4.62	4.67	4.70	4.71
Private consumption	0.00	0.00	0.00	1.19	1.42	1.71	3.16	2.69	3.12	2.52	2.68	2.79	2.87	2.93
Government consumption	0.00	0.00	0.00	0.84	1.43	2.03	3.43	3.87	4.51	4.39	4.39	4.38	4.37	4.36
Gross fixed investment	0.00	0.00	0.00	9.80	10.60	11.39	21.56	13.84	14.58	4.96	5.00	5.02	5.03	5.04
Exports	0.00	0.00	0.00	-2.10	-1.53	-0.91	-2.41	1.03	1.79	5.07	5.15	5.20	5.25	5.28
Imports	0.00	0.00	0.00	6.18	6.22	6.32	12.35	6.92	7.14	1.44	1.58	1.70	1.80	1.90

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	0.44	0.83	1.21	1.99	2.37	2.75	2.81	2.79	2.78	2.78	2.77
Number of unemployed	0.00	0.00	0.00	-1.97	-3.70	-5.41	-8.82	-10.50	-12.18	-12.42	-12.36	-12.32	-12.29	-12.27
Active population	0.00	0.00	0.00	0.05	0.10	0.15	0.25	0.30	0.35	0.35	0.35	0.35	0.35	0.35
Unemployment rate (%)	16.10	16.10	16.10	15.78	15.49	15.21	14.64	14.37	14.09	14.05	14.06	14.07	14.07	14.08
Unemployment rate (% points difference with BAU)	0.00	0.00	0.00	-0.32	-0.61	-0.89	-1.46	-1.73	-2.01	-2.05	-2.04	-2.03	-2.03	-2.02

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	1.24	1.45	1.72	3.20	2.65	3.07	2.40	2.57	2.69	2.78	2.85
Household real consumption	0.00	0.00	0.00	1.18	1.42	1.70	3.15	2.68	3.12	2.50	2.66	2.78	2.86	2.93
Household real savings	0.00	0.00	0.00	2.04	1.96	1.96	3.96	2.24	2.49	1.00	1.29	1.51	1.68	1.81
Propensity to save (%)	7.00	7.00	7.00	7.06	7.04	7.02	7.05	6.97	6.96	6.91	6.91	6.92	6.93	6.93
Propensity to save (% points difference with BAU)	0.00	0.00	0.00	0.05	0.03	0.02	0.05	-0.03	-0.04	-0.10	-0.09	-0.08	-0.08	-0.07
Real average wage	0.00	0.00	0.00	0.27	0.50	0.74	1.24	1.49	1.75	1.79	1.78	1.77	1.77	1.76
Real average return to capital	0.00	0.00	0.00	1.97	1.24	0.60	1.83	-1.01	-1.41	-3.39	-3.09	-2.85	-2.66	-2.50

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	1.83	1.39	1.24	3.04	1.16	1.70	0.52	1.43	2.07	2.50	2.79
Manufacturing	0.00	0.00	0.00	1.64	1.68	1.80	3.54	2.37	2.73	1.64	1.93	2.16	2.33	2.47
High-Tech Manufacturing	0.00	0.00	0.00	2.12	2.06	2.09	4.19	2.42	2.69	1.10	1.40	1.63	1.81	1.96
Services	0.00	0.00	0.00	0.70	1.30	1.88	3.12	3.64	4.18	4.10	3.98	3.87	3.78	3.71
Construction	0.00	0.00	0.00	-1.13	-0.77	-0.38	-1.01	0.81	1.28	3.08	3.12	3.15	3.16	3.17
Public administration	0.00	0.00	0.00	0.73	0.85	1.02	1.93	1.66	2.01	1.72	1.94	2.11	2.24	2.34
Private consumption - total	0.00	0.00	0.00	1.05	1.34	1.67	3.03	2.77	3.22	2.76	2.88	2.96	3.02	3.06

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	2.38	1.78	1.57	3.90	1.45	2.18	0.65	1.90	2.77	3.36	3.76
Manufacturing	0.00	0.00	0.00	2.23	2.22	2.33	4.64	2.95	3.41	1.90	2.35	2.70	2.97	3.18
High-Tech Manufacturing	0.00	0.00	0.00	2.84	2.73	2.75	5.54	3.11	3.46	1.31	1.74	2.07	2.33	2.55
Services	0.00	0.00	0.00	0.82	1.65	2.45	4.01	4.84	5.58	5.56	5.39	5.25	5.13	5.03
Construction	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
Public administration	0.00	0.00	0.00	0.86	1.15	1.50	2.69	2.64	3.16	2.92	3.13	3.29	3.41	3.51
Public consumption - total	0.00	0.00	0.00	0.84	1.43	2.03	3.43	3.87	4.51	4.39	4.39	4.38	4.37	4.36

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	0.03	0.17	0.48	0.93	1.58	2.32	3.08	3.65	4.03	4.29	4.46
Manufacturing	0.00	0.00	0.00	0.85	1.29	1.77	3.09	3.31	3.96	3.80	3.99	4.12	4.21	4.28
High-Tech Manufacturing	0.00	0.00	0.00	3.91	4.47	5.05	9.39	6.89	7.58	4.20	4.35	4.46	4.54	4.60
Services	0.00	0.00	0.00	0.87	1.47	2.08	3.52	3.96	4.63	4.48	4.51	4.51	4.51	4.51
Construction	0.00	0.00	0.00	4.91	5.58	6.25	11.63	8.31	8.99	4.52	4.54	4.55	4.56	4.56
Public administration	0.00	0.00	0.00	0.86	1.15	1.49	2.68	2.63	3.15	2.91	3.11	3.28	3.40	3.50
Domestic sales - total	0.00	0.00	0.00	1.56	2.09	2.65	4.71	4.39	5.06	4.16	4.27	4.35	4.39	4.43

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	-0.32	-0.33	-0.08	0.04	0.86	1.73	2.91	3.74	4.29	4.65	4.89
Manufacturing	0.00	0.00	0.00	-1.17	-0.62	0.00	-0.48	1.88	2.69	4.75	4.99	5.16	5.27	5.35
High-Tech Manufacturing	0.00	0.00	0.00	-1.11	-0.51	0.16	-0.27	2.18	3.06	5.13	5.40	5.62	5.78	5.91
Services	0.00	0.00	0.00	0.54	1.25	1.96	3.17	4.10	4.81	5.02	4.97	4.91	4.85	4.80
Construction	0.00	0.00	0.00	4.64	5.38	6.12	11.28	8.35	9.06	4.86	4.84	4.81	4.78	4.76
Public administration	0.00	0.00	0.00	0.87	1.14	1.49	2.68	2.62	3.13	2.88	3.09	3.25	3.38	3.48
Domestic production - total	0.00	0.00	0.00	0.32	0.94	1.59	2.55	3.56	4.32	4.77	4.87	4.93	4.96	4.98

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	-1.39	-0.29	0.59	-0.03	2.95	3.36	5.29	4.61	4.13	3.80	3.57
Manufacturing	0.00	0.00	0.00	-1.87	-1.07	-0.28	-1.37	1.93	2.62	5.28	5.07	4.86	4.67	4.50
High-Tech Manufacturing	0.00	0.00	0.00	-1.95	-0.92	0.03	-1.10	2.69	3.44	6.25	5.89	5.60	5.36	5.17
Services	0.00	0.00	0.00	1.20	1.04	0.99	2.11	1.02	1.27	0.46	0.88	1.20	1.43	1.61
Construction	0.00	0.00	0.00	10.45	10.41	10.45	20.86	10.88	11.10	0.73	1.11	1.39	1.61	1.78
Public administration	0.00	0.00	0.00	1.10	1.34	1.62	2.95	2.53	2.91	2.31	2.43	2.50	2.55	2.59
Employment - total	0.00	0.00	0.00	0.44	0.83	1.21	1.99	2.37	2.75	2.81	2.79	2.78	2.78	2.77

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	-5.42	-1.17	1.87	-0.96	9.53	10.02	15.86	12.42	9.97	8.26	7.08
Manufacturing	0.00	0.00	0.00	-1.77	0.52	2.54	2.22	8.05	9.34	12.80	11.62	10.61	9.75	9.02
High-Tech Manufacturing	0.00	0.00	0.00	-2.35	0.37	2.70	1.94	8.99	10.32	14.32	12.85	11.65	10.68	9.89
Services	0.00	0.00	0.00	14.53	14.64	14.90	29.41	16.07	16.70	1.91	2.55	3.05	3.43	3.73
Construction	0.00	0.00	0.00	13.52	13.81	14.17	26.92	15.69	16.28	2.54	3.07	3.49	3.82	4.08
Public administration	0.00	0.00	0.00	-0.30	0.94	2.13	3.02	5.52	6.53	7.87	7.53	7.23	6.97	6.73
Total investments - total	0.00	0.00	0.00	9.92	10.72	11.51	21.79	13.96	14.71	4.97	5.01	5.03	5.04	5.05

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	3.41	4.92	5.78	9.32	8.16	7.59	4.36	2.39	1.18	0.47	0.08
Manufacturing	0.00	0.00	0.00	5.11	5.13	5.17	10.08	5.63	5.75	1.14	1.16	1.20	1.24	1.28
High-Tech Manufacturing	0.00	0.00	0.00	6.69	7.12	7.57	14.47	9.11	9.60	3.29	3.34	3.37	3.40	3.42
Services	0.00	0.00	0.00	6.70	5.21	4.06	9.45	1.53	1.30	-4.62	-3.48	-2.56	-1.83	-1.23
Construction	0.00	0.00	0.00	14.69	13.90	13.31	27.84	12.33	12.27	-1.76	-1.03	-0.44	0.04	0.43
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	6.18	6.22	6.32	12.35	6.92	7.14	1.44	1.58	1.70	1.80	1.90

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	-1.32	-1.54	-1.44	-2.41	-0.91	-0.01	2.27	3.44	4.24	4.78	5.12
Manufacturing	0.00	0.00	0.00	-2.20	-1.73	-1.19	-2.88	0.52	1.24	4.62	4.80	4.93	5.03	5.10
High-Tech Manufacturing	0.00	0.00	0.00	-2.02	-1.58	-1.08	-2.61	0.52	1.23	4.37	4.58	4.76	4.91	5.04
Services	0.00	0.00	0.00	-2.03	-0.92	0.16	-0.87	3.40	4.35	7.68	7.20	6.80	6.48	6.22
Construction	0.00	0.00	0.00	-1.99	-1.10	-0.22	-1.42	2.42	3.25	6.40	6.10	5.87	5.67	5.51
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	-2.10	-1.53	-0.91	-2.41	1.03	1.79	5.07	5.15	5.20	5.25	5.28

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	-1.45	-0.56	0.06	-0.91	1.58	1.54	2.92	2.00	1.38	0.96	0.67
Manufacturing	0.00	0.00	0.00	-1.25	-0.87	-0.54	-1.44	0.26	0.43	1.66	1.45	1.28	1.14	1.02
High-Tech Manufacturing	0.00	0.00	0.00	-1.75	-1.27	-0.85	-2.11	0.21	0.48	2.26	2.04	1.86	1.71	1.58
Services	0.00	0.00	0.00	-0.23	-0.46	-0.62	-0.99	-1.08	-1.10	-0.97	-0.73	-0.55	-0.41	-0.30
Construction	0.00	0.00	0.00	1.80	1.83	1.86	3.55	1.97	2.01	0.10	0.17	0.21	0.25	0.27
Public administration	0.00	0.00	0.00	-0.27	0.03	0.31	0.28	1.03	1.21	1.57	1.45	1.34	1.24	1.16
Consumer price index	0.00	0.00	0.00	-0.63	-0.50	-0.40	-0.91	-0.15	-0.08	0.47	0.45	0.43	0.42	0.40

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	-1.64	-0.47	0.33	-0.71	2.30	2.23	3.78	2.56	1.73	1.17	0.78
Manufacturing	0.00	0.00	0.00	-1.21	-0.72	-0.32	-1.15	0.69	0.85	2.09	1.73	1.44	1.22	1.04
High-Tech Manufacturing	0.00	0.00	0.00	-1.34	-0.82	-0.38	-1.32	0.73	0.92	2.31	1.95	1.66	1.43	1.24
Services	0.00	0.00	0.00	-0.18	-0.41	-0.59	-0.92	-1.05	-1.07	-0.97	-0.74	-0.57	-0.43	-0.33
Construction	0.00	0.00	0.00	1.73	1.74	1.75	3.36	1.82	1.85	0.03	0.10	0.15	0.18	0.20
Public administration	0.00	0.00	0.00	-0.27	0.03	0.31	0.28	1.03	1.21	1.57	1.45	1.34	1.24	1.16
Price index of total domestic production	0.00	0.00	0.00	-0.42	-0.31	-0.21	-0.54	0.02	0.07	0.46	0.40	0.36	0.33	0.30

Poland

Scenario: Programming prices scenario

Table 33: Payments profile – Poland (mil. euro, current prices)

Poland (mil. euro, current prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	8,150	8,686	9,237	9,465	10,049	10,631	11,235	0	0	67,454
Structural funds	6,147	6,290	6,433	6,354	6,507	6,664	6,827	0	0	45,221
<i>Productive environment</i>	793	811	830	820	839	860	881	0	0	5,834
Manufacturing	491	503	514	508	520	532	545	0	0	3,613
Services	302	309	316	312	320	327	335	0	0	2,220
<i>Human resources</i>	1,739	1,780	1,821	1,798	1,842	1,886	1,932	0	0	12,798
<i>Infrastructure</i>	3,227	3,302	3,378	3,336	3,416	3,499	3,584	0	0	23,741
<i>Rest (services)</i>	387	396	405	400	410	420	430	0	0	2,849
Cohesion funds	2,004	2,397	2,803	3,112	3,541	3,967	4,409	0	0	22,232

Table 34: Payments profile – Poland (mil. euro, 2004 prices)

Poland (mil. euro, 2004 prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	7,680	8,025	8,366	8,405	8,748	9,074	9,401	0	0	59,699
Structural funds	5,792	5,811	5,827	5,642	5,665	5,688	5,712	0	0	40,137
<i>Productive environment</i>	747	750	752	728	731	734	737	0	0	5,178
Manufacturing	463	464	466	451	453	454	456	0	0	3,207
Services	284	285	286	277	278	279	280	0	0	1,971
<i>Human resources</i>	1,639	1,644	1,649	1,597	1,603	1,610	1,617	0	0	11,359
<i>Infrastructure</i>	3,041	3,051	3,059	2,962	2,974	2,986	2,999	0	0	21,072
<i>Rest (services)</i>	365	366	367	355	357	358	360	0	0	2,529
Cohesion funds	1,888	2,214	2,539	2,763	3,083	3,386	3,689	0	0	19,562

Table 35: Payments profile – Poland (% of total payments)

Poland (% of total payments)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	12.9	13.4	14.0	14.1	14.7	15.2	15.7	0.0	0.0	100.0
Structural funds	14.4	14.5	14.5	14.1	14.1	14.2	14.2	0.0	0.0	100.0
Productive environment	14.4	14.5	14.5	14.1	14.1	14.2	14.2	0.0	0.0	100.0
Manufacturing	14.4	14.5	14.5	14.1	14.1	14.2	14.2	0.0	0.0	100.0
Services	14.4	14.5	14.5	14.1	14.1	14.2	14.2	0.0	0.0	100.0
Human resources	14.4	14.5	14.5	14.1	14.1	14.2	14.2	0.0	0.0	100.0
Infrastructure	14.4	14.5	14.5	14.1	14.1	14.2	14.2	0.0	0.0	100.0
Rest (services)	14.4	14.5	14.5	14.1	14.1	14.2	14.2	0.0	0.0	100.0
Cohesion funds	9.7	11.3	13.0	14.1	15.8	17.3	18.9	0.0	0.0	100.0

Table 36: 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	0.76	1.44	2.16	2.88	3.63	4.38	5.15	5.24	5.33	5.38	5.41	5.43	5.43	5.43
Private consumption	1.59	1.79	2.08	2.37	2.76	3.18	3.62	2.86	3.03	3.16	3.26	3.33	3.38	3.42
Government consumption	1.10	1.76	2.44	3.10	3.78	4.48	5.18	5.00	5.01	5.00	4.99	4.99	4.98	4.97
Gross fixed investment	11.62	12.56	13.48	13.99	14.87	15.72	16.55	5.74	5.77	5.79	5.81	5.81	5.82	5.82
Exports	-2.23	-1.64	-0.99	-0.18	0.56	1.34	2.15	5.72	5.82	5.89	5.95	5.99	6.03	6.06
Imports	7.75	7.64	7.63	7.43	7.57	7.75	7.97	1.41	1.59	1.75	1.89	2.01	2.12	2.22

Table 37: 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	0.62	1.05	1.47	1.88	2.29	2.71	3.13	3.16	3.15	3.15	3.14	3.14	3.14	3.14
Number of unemployed	-2.77	-4.66	-6.53	-8.33	-10.16	-12.01	-13.85	-13.97	-13.94	-13.91	-13.90	-13.89	-13.89	-13.90
Active population	0.07	0.13	0.18	0.23	0.29	0.34	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Unemployment rate (%)	15.64	15.33	15.02	14.72	14.42	14.12	13.81	13.80	13.80	13.80	13.81	13.81	13.81	13.81
Unemployment rate (% points difference with BAU)	-0.46	-0.77	-1.08	-1.38	-1.68	-1.98	-2.29	-2.30	-2.30	-2.30	-2.29	-2.29	-2.29	-2.29

Table 38: 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	1.66	1.84	2.10	2.37	2.73	3.13	3.56	2.71	2.90	3.04	3.15	3.23	3.29	3.33
Household real consumption	1.58	1.79	2.07	2.37	2.75	3.17	3.62	2.84	3.02	3.15	3.25	3.32	3.37	3.42
Household real savings	2.73	2.51	2.43	2.36	2.47	2.64	2.86	1.04	1.37	1.63	1.82	1.98	2.11	2.21
Propensity to save (%)	7.07	7.05	7.02	7.00	6.98	6.97	6.95	6.89	6.90	6.90	6.91	6.92	6.92	6.92
Propensity to save (% points difference with BAU)	0.07	0.05	0.02	0.00	-0.02	-0.03	-0.05	-0.11	-0.10	-0.10	-0.09	-0.08	-0.08	-0.08
Real average wage	0.38	0.64	0.91	1.17	1.44	1.72	2.01	2.03	2.02	2.02	2.02	2.02	2.02	2.02
Real average return to capital	2.65	1.66	0.81	-0.02	-0.64	-1.19	-1.68	-4.02	-3.68	-3.40	-3.18	-2.99	-2.83	-2.69

Table 39: Private consumption (% change compared to BAU)

Private consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	2.34	1.74	1.52	1.47	1.69	2.02	2.42	0.89	1.84	2.49	2.94	3.25	3.46	3.60
Manufacturing	2.16	2.13	2.21	2.31	2.56	2.87	3.21	1.88	2.21	2.46	2.65	2.80	2.92	3.02
High-Tech Manufacturing	2.80	2.62	2.57	2.53	2.67	2.87	3.12	1.20	1.54	1.80	2.01	2.18	2.32	2.43
Services	0.93	1.61	2.26	2.88	3.50	4.12	4.73	4.60	4.48	4.37	4.28	4.21	4.15	4.10
Construction	-1.17	-0.81	-0.40	0.09	0.56	1.04	1.55	3.48	3.53	3.56	3.59	3.60	3.61	3.62
Public administration	0.98	1.07	1.24	1.45	1.73	2.05	2.41	2.02	2.26	2.44	2.59	2.70	2.80	2.87
Private consumption - total	1.41	1.69	2.03	2.37	2.80	3.25	3.72	3.13	3.26	3.35	3.42	3.47	3.51	3.53

Table 40: Public consumption (% change compared to BAU)

Public consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	3.01	2.21	1.91	1.86	2.16	2.61	3.15	1.18	2.48	3.37	3.99	4.41	4.69	4.89
Manufacturing	2.91	2.80	2.85	2.95	3.25	3.63	4.07	2.23	2.72	3.10	3.40	3.63	3.81	3.96
High-Tech Manufacturing	3.74	3.46	3.37	3.30	3.47	3.72	4.04	1.47	1.94	2.31	2.61	2.85	3.05	3.21
Services	1.08	2.02	2.93	3.80	4.65	5.49	6.33	6.28	6.10	5.95	5.83	5.73	5.65	5.58
Construction	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
Public administration	1.13	1.43	1.81	2.21	2.69	3.20	3.74	3.41	3.63	3.81	3.95	4.06	4.14	4.21
Public consumption - total	1.10	1.76	2.44	3.10	3.78	4.48	5.18	5.00	5.01	5.00	4.99	4.99	4.98	4.97

Table 41: Domestic sales (% change compared to BAU)

Domestic sales	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.10	0.24	0.59	1.09	1.69	2.35	3.05	3.81	4.38	4.77	5.04	5.21	5.32	5.39
Manufacturing	1.11	1.58	2.13	2.70	3.33	3.99	4.67	4.43	4.63	4.77	4.87	4.94	4.99	5.02
High-Tech Manufacturing	4.71	5.33	6.00	6.55	7.26	7.99	8.73	4.89	5.05	5.16	5.25	5.31	5.35	5.39
Services	1.12	1.80	2.50	3.18	3.90	4.62	5.35	5.13	5.16	5.18	5.18	5.17	5.16	5.15
Construction	5.87	6.64	7.41	7.99	8.75	9.50	10.25	5.19	5.22	5.24	5.24	5.24	5.24	5.24
Public administration	1.13	1.42	1.80	2.20	2.68	3.19	3.73	3.39	3.62	3.80	3.93	4.04	4.13	4.20
Domestic sales - total	1.94	2.53	3.16	3.78	4.46	5.16	5.87	4.81	4.93	5.01	5.06	5.10	5.12	5.13

Table 42: Domestic production (% change compared to BAU)

Domestic production	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.38	-0.39	-0.10	0.42	1.06	1.79	2.57	3.77	4.60	5.16	5.52	5.75	5.89	5.97
Manufacturing	-1.37	-0.72	0.02	0.86	1.67	2.51	3.37	5.64	5.88	6.05	6.17	6.24	6.29	6.31
High-Tech Manufacturing	-1.31	-0.59	0.20	1.10	1.98	2.90	3.84	6.13	6.41	6.63	6.79	6.92	7.02	7.09
Services	0.71	1.52	2.34	3.14	3.93	4.73	5.52	5.73	5.67	5.61	5.56	5.50	5.46	5.42
Construction	5.54	6.40	7.25	7.91	8.72	9.52	10.32	5.58	5.55	5.52	5.50	5.47	5.44	5.42
Public administration	1.13	1.42	1.79	2.19	2.66	3.17	3.71	3.36	3.59	3.77	3.91	4.02	4.11	4.18
Domestic production - total	0.43	1.14	1.90	2.67	3.46	4.26	5.08	5.54	5.64	5.70	5.74	5.76	5.76	5.76

Table 43: Employment (% change compared to BAU)

Employment	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-1.62	-0.32	0.72	1.64	2.34	2.98	3.57	5.81	5.10	4.61	4.27	4.03	3.87	3.76
Manufacturing	-2.19	-1.23	-0.31	0.66	1.47	2.26	3.01	5.96	5.73	5.50	5.29	5.10	4.93	4.79
High-Tech Manufacturing	-2.29	-1.06	0.06	1.19	2.13	3.02	3.88	7.05	6.65	6.34	6.08	5.88	5.71	5.58
Services	1.59	1.32	1.20	1.15	1.25	1.41	1.60	0.59	1.04	1.38	1.64	1.83	1.98	2.10
Construction	12.53	12.44	12.43	12.07	12.22	12.38	12.57	0.87	1.28	1.60	1.84	2.03	2.17	2.28
Public administration	1.44	1.67	1.96	2.24	2.59	2.96	3.35	2.60	2.73	2.82	2.88	2.92	2.94	2.96
Employment - total	0.62	1.05	1.47	1.88	2.29	2.71	3.13	3.16	3.15	3.15	3.14	3.14	3.14	3.14

Table 44: 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	-6.49	-1.37	2.25	5.13	7.00	8.52	9.80	16.88	13.34	10.82	9.06	7.85	7.02	6.46
Manufacturing	-2.19	0.59	3.03	5.27	7.10	8.76	10.28	14.23	12.97	11.87	10.94	10.16	9.50	8.96
High-Tech Manufacturing	-2.89	0.43	3.23	5.76	7.77	9.59	11.25	15.89	14.32	13.03	11.99	11.15	10.47	9.93
Services	17.26	17.35	17.64	17.46	18.00	18.57	19.17	2.49	3.16	3.69	4.09	4.41	4.65	4.83
Construction	15.99	16.31	16.74	16.72	17.31	17.91	18.56	3.13	3.70	4.15	4.50	4.77	4.99	5.15
Public administration	-0.26	1.18	2.55	3.88	5.10	6.27	7.40	8.87	8.50	8.18	7.90	7.65	7.43	7.23
Total investments - total	11.76	12.70	13.63	14.13	15.01	15.86	16.70	5.75	5.79	5.81	5.82	5.83	5.83	5.83

Table 45: Imports (% change compared to BAU)

Imports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	4.71	6.29	7.12	7.34	7.39	7.32	7.19	3.69	1.78	0.63	-0.02	-0.36	-0.50	-0.52
Manufacturing	6.58	6.41	6.31	6.06	6.09	6.16	6.27	0.92	0.98	1.06	1.14	1.22	1.30	1.38
High-Tech Manufacturing	8.15	8.59	9.06	9.27	9.78	10.29	10.81	3.63	3.70	3.75	3.80	3.83	3.86	3.88
Services	8.71	6.63	5.05	3.58	2.76	2.15	1.71	-5.25	-4.00	-3.00	-2.19	-1.53	-0.98	-0.54
Construction	18.13	16.94	16.04	14.77	14.37	14.07	13.89	-2.08	-1.26	-0.60	-0.07	0.37	0.74	1.04
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	7.75	7.64	7.63	7.43	7.57	7.75	7.97	1.41	1.59	1.75	1.89	2.01	2.12	2.22

Table 46: Exports (% change compared to BAU)

Exports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-1.49	-1.70	-1.58	-1.17	-0.63	0.04	0.78	3.14	4.29	5.08	5.61	5.95	6.17	6.31
Manufacturing	-2.32	-1.84	-1.28	-0.55	0.12	0.85	1.61	5.27	5.46	5.61	5.72	5.81	5.87	5.93
High-Tech Manufacturing	-2.13	-1.69	-1.16	-0.48	0.17	0.87	1.61	5.02	5.25	5.45	5.61	5.76	5.88	5.98
Services	-2.21	-1.06	0.10	1.34	2.44	3.54	4.63	8.35	7.89	7.51	7.20	6.95	6.75	6.58
Construction	-2.14	-1.23	-0.29	0.75	1.68	2.61	3.55	7.02	6.74	6.52	6.34	6.19	6.07	5.98
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	-2.23	-1.64	-0.99	-0.18	0.56	1.34	2.15	5.72	5.82	5.89	5.95	5.99	6.03	6.06

Table 47: Consumer prices (% change compared to BAU)

Consumer prices	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-1.81	-0.71	0.05	0.63	0.96	1.19	1.35	3.04	2.10	1.46	1.03	0.73	0.53	0.39
Manufacturing	-1.63	-1.12	-0.69	-0.28	0.02	0.27	0.49	1.93	1.70	1.50	1.34	1.21	1.10	1.01
High-Tech Manufacturing	-2.30	-1.65	-1.08	-0.51	-0.10	0.27	0.59	2.68	2.43	2.22	2.04	1.89	1.76	1.65
Services	-0.31	-0.57	-0.75	-0.88	-0.98	-1.05	-1.10	-0.97	-0.72	-0.54	-0.39	-0.28	-0.20	-0.14
Construction	2.03	2.10	2.16	2.15	2.21	2.26	2.30	0.21	0.27	0.31	0.34	0.36	0.36	0.37
Public administration	-0.36	0.01	0.35	0.66	0.91	1.15	1.36	1.78	1.64	1.52	1.41	1.32	1.24	1.17
Consumer price index	-0.85	-0.66	-0.51	-0.34	-0.23	-0.13	-0.04	0.61	0.58	0.55	0.53	0.51	0.49	0.47

Table 48: 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	-2.03	-0.60	0.37	1.11	1.51	1.78	1.96	3.89	2.64	1.79	1.21	0.82	0.55	0.36
Manufacturing	-1.54	-0.92	-0.41	0.05	0.37	0.64	0.86	2.31	1.92	1.61	1.37	1.18	1.02	0.90
High-Tech Manufacturing	-1.72	-1.05	-0.49	0.03	0.39	0.70	0.95	2.58	2.19	1.87	1.62	1.41	1.24	1.11
Services	-0.24	-0.51	-0.71	-0.85	-0.95	-1.03	-1.08	-0.99	-0.75	-0.57	-0.43	-0.32	-0.24	-0.18
Construction	1.96	2.00	2.04	2.01	2.05	2.08	2.11	0.11	0.18	0.23	0.26	0.28	0.29	0.29
Public administration	-0.36	0.01	0.35	0.66	0.91	1.15	1.36	1.78	1.64	1.52	1.41	1.32	1.24	1.17
Price index of total domestic production	-0.56	-0.40	-0.27	-0.14	-0.06	0.02	0.09	0.55	0.48	0.44	0.40	0.36	0.34	0.32

Poland

Scenario: Lisbon scenario

Table 49: Payments profile – Poland (mil. euro, current prices)

Poland (mil. euro, current prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	2,196	5,541	7,388	7,811	8,323	7,851	7,662	10,341	10,341	67,454
Structural funds	1,472	3,715	4,953	5,236	5,580	5,264	5,137	6,932	6,932	45,221
<i>Productive environment</i>	227	572	763	806	859	811	791	1,068	1,068	6,964
Manufacturing	140	354	472	499	532	502	490	661	661	4,313
Services	86	218	290	307	327	309	301	406	406	2,651
<i>Human resources</i>	453	1,144	1,525	1,613	1,719	1,621	1,582	2,135	2,135	13,928
<i>Infrastructure</i>	699	1,765	2,353	2,487	2,651	2,500	2,440	3,293	3,293	21,480
<i>Rest (services)</i>	93	234	312	330	352	332	324	437	437	2,849
Cohesion funds	724	1,826	2,435	2,574	2,743	2,588	2,525	3,408	3,408	22,232

Table 50: Payments profile – Poland (mil. euro, 2004 prices)

Poland (mil. euro, 2004 prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	2,069	5,119	6,691	6,936	7,246	6,701	6,411	8,483	8,317	57,973
Structural funds	1,387	3,432	4,486	4,650	4,858	4,492	4,298	5,687	5,575	38,866
<i>Productive environment</i>	214	529	691	716	748	692	662	876	859	5,985
Manufacturing	132	327	428	444	463	429	410	542	532	3,707
Services	81	201	263	273	285	263	252	333	327	2,278
<i>Human resources</i>	427	1,057	1,382	1,432	1,496	1,384	1,324	1,752	1,717	11,971
<i>Infrastructure</i>	659	1,630	2,131	2,209	2,307	2,134	2,042	2,701	2,648	18,461
<i>Rest (services)</i>	87	216	283	293	306	283	271	358	351	2,449
Cohesion funds	682	1,687	2,205	2,286	2,388	2,209	2,113	2,796	2,741	19,108

Table 51: Payments profile – Poland (% of total payments)

Poland (% 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	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0

Table 52: 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	0.22	0.68	1.24	1.83	2.43	2.99	3.52	4.18	4.81	4.91	4.98	5.02	5.04	5.05
Private consumption	0.43	1.05	1.45	1.70	1.99	2.20	2.46	3.02	3.36	2.79	2.93	3.03	3.10	3.16
Government consumption	0.30	0.87	1.48	2.03	2.59	3.08	3.54	4.19	4.76	4.65	4.65	4.65	4.64	4.64
Gross fixed investment	3.21	7.78	10.24	10.93	11.69	11.38	11.35	14.07	14.27	5.42	5.44	5.46	5.46	5.47
Exports	-0.62	-1.32	-1.29	-0.72	-0.13	0.74	1.49	1.56	2.41	5.43	5.50	5.56	5.60	5.63
Imports	2.10	4.89	6.08	6.07	6.18	5.68	5.44	6.91	6.83	1.62	1.75	1.87	1.98	2.08

Table 53: 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	0.17	0.50	0.87	1.23	1.58	1.89	2.19	2.56	2.92	2.98	2.97	2.96	2.95	2.95
Number of unemployed	-0.74	-2.24	-3.90	-5.46	-7.02	-8.41	-9.70	-11.34	-12.92	-13.17	-13.12	-13.09	-13.07	-13.06
Active population	0.02	0.06	0.11	0.15	0.19	0.23	0.27	0.32	0.37	0.38	0.38	0.38	0.37	0.37
Unemployment rate (%)	15.98	15.73	15.46	15.20	14.94	14.71	14.50	14.23	13.97	13.93	13.93	13.94	13.94	13.95
Unemployment rate (% points difference with BAU)	-0.12	-0.37	-0.64	-0.90	-1.16	-1.39	-1.60	-1.87	-2.13	-2.17	-2.17	-2.16	-2.16	-2.15

Table 54: 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	0.45	1.09	1.49	1.71	1.99	2.17	2.41	2.98	3.30	2.67	2.82	2.93	3.01	3.07
Household real consumption	0.42	1.04	1.45	1.69	1.99	2.20	2.45	3.01	3.35	2.78	2.92	3.02	3.10	3.15
Household real savings	0.73	1.64	1.97	1.92	1.98	1.88	1.91	2.50	2.62	1.24	1.49	1.69	1.85	1.97
Propensity to save (%)	7.02	7.04	7.03	7.02	7.00	6.98	6.97	6.97	6.95	6.90	6.91	6.92	6.92	6.93
Propensity to save (% points difference with BAU)	0.02	0.04	0.03	0.01	0.00	-0.02	-0.03	-0.03	-0.05	-0.10	-0.09	-0.08	-0.08	-0.07
Real average wage	0.10	0.30	0.53	0.75	0.98	1.18	1.37	1.62	1.86	1.90	1.90	1.89	1.89	1.89
Real average return to capital	0.71	1.38	1.19	0.53	-0.03	-0.73	-1.22	-1.15	-1.64	-3.45	-3.19	-2.97	-2.80	-2.65

Table 55: Private consumption (% change compared to BAU)

Private consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.63	1.31	1.40	1.24	1.29	1.27	1.47	2.21	2.42	1.21	1.98	2.52	2.88	3.12
Manufacturing	0.58	1.35	1.70	1.78	1.95	2.01	2.17	2.77	3.01	2.00	2.25	2.45	2.60	2.72
High-Tech Manufacturing	0.75	1.70	2.07	2.05	2.13	2.05	2.10	2.74	2.87	1.41	1.67	1.88	2.05	2.18
Services	0.25	0.77	1.34	1.87	2.40	2.84	3.25	3.79	4.29	4.22	4.11	4.02	3.95	3.89
Construction	-0.34	-0.70	-0.63	-0.28	0.09	0.60	1.05	1.15	1.65	3.31	3.34	3.37	3.38	3.39
Public administration	0.26	0.64	0.87	1.02	1.23	1.39	1.60	2.01	2.28	2.01	2.20	2.35	2.47	2.57
Private consumption - total	0.38	0.95	1.37	1.66	1.99	2.24	2.53	3.07	3.44	3.01	3.11	3.19	3.24	3.28

Table 56: Public consumption (% change compared to BAU)

Public consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.81	1.69	1.79	1.57	1.64	1.64	1.91	2.90	3.18	1.62	2.67	3.40	3.89	4.23
Manufacturing	0.78	1.80	2.23	2.31	2.50	2.55	2.74	3.55	3.84	2.44	2.83	3.13	3.36	3.55
High-Tech Manufacturing	1.00	2.26	2.73	2.69	2.78	2.66	2.72	3.57	3.74	1.77	2.14	2.43	2.67	2.86
Services	0.29	0.93	1.70	2.44	3.16	3.79	4.35	5.06	5.75	5.74	5.59	5.47	5.37	5.29
Construction	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
Public administration	0.31	0.79	1.19	1.50	1.87	2.18	2.52	3.09	3.52	3.28	3.47	3.62	3.73	3.82
Public consumption - total	0.30	0.87	1.48	2.03	2.59	3.08	3.54	4.19	4.76	4.65	4.65	4.65	4.64	4.64

Table 57: Domestic sales (% change compared to BAU)

Domestic sales	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.03	0.09	0.26	0.55	0.97	1.46	1.99	2.53	3.10	3.74	4.20	4.52	4.73	4.87
Manufacturing	0.30	0.83	1.34	1.79	2.29	2.73	3.18	3.84	4.39	4.23	4.39	4.50	4.57	4.63
High-Tech Manufacturing	1.30	3.21	4.38	4.91	5.49	5.68	5.97	7.34	7.78	4.66	4.79	4.88	4.94	4.99
Services	0.31	0.90	1.52	2.08	2.67	3.18	3.66	4.35	4.94	4.79	4.81	4.82	4.81	4.81
Construction	1.62	4.00	5.44	6.04	6.69	6.80	7.03	8.61	9.01	4.89	4.91	4.91	4.91	4.91
Public administration	0.31	0.79	1.18	1.50	1.86	2.17	2.51	3.08	3.51	3.27	3.46	3.60	3.71	3.81
Domestic sales - total	0.53	1.40	2.10	2.62	3.17	3.58	4.01	4.84	5.38	4.54	4.63	4.69	4.73	4.76

Table 58: Domestic production (% change compared to BAU)

Domestic production	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.10	-0.25	-0.23	0.02	0.43	0.98	1.59	2.14	2.76	3.73	4.42	4.87	5.16	5.35
Manufacturing	-0.37	-0.70	-0.48	0.13	0.77	1.57	2.29	2.65	3.45	5.32	5.51	5.64	5.73	5.79
High-Tech Manufacturing	-0.35	-0.63	-0.36	0.30	0.99	1.84	2.62	3.05	3.93	5.82	6.05	6.23	6.36	6.47
Services	0.20	0.67	1.31	1.97	2.63	3.24	3.79	4.43	5.10	5.28	5.23	5.18	5.13	5.09
Construction	1.54	3.82	5.26	5.92	6.62	6.80	7.08	8.64	9.08	5.21	5.19	5.16	5.13	5.11
Public administration	0.31	0.79	1.18	1.49	1.85	2.16	2.50	3.06	3.48	3.24	3.43	3.58	3.70	3.79
Domestic production - total	0.12	0.47	1.01	1.62	2.26	2.88	3.47	4.10	4.78	5.18	5.26	5.30	5.33	5.34

Table 59: Employment (% change compared to BAU)

Employment	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.45	-0.69	-0.18	0.66	1.35	2.10	2.63	2.66	3.30	5.15	4.57	4.17	3.89	3.70
Manufacturing	-0.60	-1.15	-0.90	-0.16	0.53	1.40	2.08	2.16	2.89	5.29	5.11	4.93	4.76	4.61
High-Tech Manufacturing	-0.61	-1.13	-0.74	0.16	0.98	1.97	2.74	2.84	3.69	6.28	5.97	5.72	5.52	5.36
Services	0.43	0.93	1.05	0.98	1.01	0.98	1.07	1.50	1.61	0.85	1.21	1.48	1.68	1.83
Construction	3.39	7.99	9.98	9.94	10.07	9.09	8.57	11.01	10.64	1.11	1.44	1.69	1.88	2.03
Public administration	0.39	0.97	1.36	1.60	1.89	2.08	2.31	2.80	3.09	2.53	2.63	2.69	2.74	2.77
Employment - total	0.17	0.50	0.87	1.23	1.58	1.89	2.19	2.56	2.92	2.98	2.97	2.96	2.95	2.95

Table 60: 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	-1.79	-2.77	-0.90	2.02	4.11	6.31	7.55	6.94	8.61	14.49	11.54	9.46	8.03	7.04
Manufacturing	-0.52	-0.42	1.05	3.08	4.85	6.59	7.88	8.53	9.97	12.31	11.28	10.40	9.65	9.02
High-Tech Manufacturing	-0.70	-0.73	0.91	3.22	5.19	7.16	8.58	9.15	10.79	13.82	12.53	11.49	10.65	9.98
Services	4.74	11.12	13.97	14.11	14.48	13.36	12.85	16.47	16.19	2.77	3.31	3.73	4.05	4.30
Construction	4.49	10.52	13.27	13.54	14.01	13.07	12.66	16.08	15.94	3.30	3.76	4.12	4.41	4.63
Public administration	-0.08	0.21	1.08	2.20	3.26	4.32	5.20	5.89	6.90	8.14	7.82	7.54	7.29	7.07
Total investments - total	3.25	7.87	10.36	11.05	11.81	11.49	11.45	14.19	14.40	5.44	5.46	5.47	5.48	5.48

Table 61: Imports (% change compared to BAU)

Imports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	1.27	3.35	4.90	5.60	5.97	5.78	5.44	5.85	5.88	3.32	1.74	0.78	0.24	-0.05
Manufacturing	1.78	4.10	5.04	4.98	5.01	4.53	4.29	5.42	5.32	1.12	1.17	1.22	1.28	1.35
High-Tech Manufacturing	2.23	5.34	6.93	7.29	7.72	7.45	7.40	9.20	9.33	3.53	3.58	3.62	3.65	3.67
Services	2.32	4.89	5.08	3.89	3.06	1.76	1.04	2.22	1.58	-3.89	-2.89	-2.08	-1.43	-0.90
Construction	4.75	11.06	13.35	12.65	12.27	10.44	9.38	12.50	11.65	-1.22	-0.57	-0.04	0.39	0.74
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	2.10	4.89	6.08	6.07	6.18	5.68	5.44	6.91	6.83	1.62	1.75	1.87	1.98	2.08

Table 62: Exports (% change compared to BAU)

Exports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.41	-1.03	-1.33	-1.22	-0.93	-0.36	0.29	0.62	1.26	3.20	4.19	4.86	5.30	5.59
Manufacturing	-0.64	-1.41	-1.46	-0.97	-0.44	0.38	1.10	1.12	1.93	5.05	5.20	5.32	5.41	5.48
High-Tech Manufacturing	-0.59	-1.29	-1.34	-0.87	-0.37	0.41	1.10	1.16	1.96	4.86	5.06	5.22	5.36	5.47
Services	-0.61	-1.14	-0.75	0.22	1.15	2.31	3.24	3.45	4.53	7.59	7.19	6.87	6.60	6.39
Construction	-0.58	-1.15	-0.90	-0.10	0.67	1.68	2.51	2.65	3.60	6.49	6.25	6.05	5.89	5.76
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	-0.62	-1.32	-1.29	-0.72	-0.13	0.74	1.49	1.56	2.41	5.43	5.50	5.56	5.60	5.63

Table 63: Consumer prices (% change compared to BAU)

Consumer prices	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.49	-0.85	-0.52	0.09	0.49	0.92	1.12	0.83	1.10	2.45	1.69	1.17	0.82	0.59
Manufacturing	-0.44	-0.88	-0.83	-0.50	-0.24	0.12	0.36	0.23	0.46	1.58	1.40	1.25	1.12	1.02
High-Tech Manufacturing	-0.62	-1.26	-1.23	-0.79	-0.42	0.08	0.43	0.27	0.61	2.23	2.03	1.87	1.72	1.60
Services	-0.07	-0.25	-0.45	-0.60	-0.71	-0.77	-0.79	-0.84	-0.89	-0.78	-0.58	-0.43	-0.32	-0.23
Construction	0.58	1.36	1.73	1.76	1.81	1.66	1.58	2.00	1.93	0.17	0.22	0.26	0.29	0.30
Public administration	-0.09	-0.12	0.06	0.32	0.55	0.79	0.97	1.05	1.25	1.57	1.46	1.35	1.26	1.18
Consumer price index	-0.22	-0.47	-0.49	-0.37	-0.27	-0.12	-0.02	-0.08	0.01	0.51	0.49	0.47	0.45	0.43

Table 64: 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	-0.55	-0.90	-0.42	0.35	0.86	1.38	1.61	1.26	1.58	3.13	2.12	1.43	0.96	0.64
Manufacturing	-0.41	-0.80	-0.68	-0.29	0.02	0.40	0.63	0.49	0.73	1.87	1.56	1.32	1.13	0.97
High-Tech Manufacturing	-0.46	-0.90	-0.77	-0.34	0.00	0.43	0.70	0.55	0.83	2.10	1.79	1.54	1.34	1.18
Services	-0.06	-0.22	-0.41	-0.56	-0.68	-0.75	-0.78	-0.83	-0.88	-0.80	-0.61	-0.46	-0.35	-0.26
Construction	0.55	1.30	1.64	1.65	1.69	1.53	1.45	1.84	1.77	0.09	0.15	0.19	0.22	0.23
Public administration	-0.09	-0.12	0.06	0.32	0.55	0.79	0.97	1.05	1.25	1.57	1.46	1.35	1.26	1.18
Price index of total domestic production	-0.15	-0.30	-0.30	-0.20	-0.12	0.00	0.07	0.02	0.10	0.45	0.40	0.36	0.33	0.31

Poland

Scenario: Co-financing scenario

Table 65: Payments profile – Poland (mil. euro, current prices)

Poland (mil. euro, current prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	2,196	5,541	7,388	7,811	8,323	7,851	7,662	10,341	10,341	67,454
Structural funds	1,472	3,715	4,953	5,236	5,580	5,264	5,137	6,932	6,932	45,221
<i>Productive environment</i>	190	479	639	676	720	679	663	894	894	5,834
Manufacturing	118	297	396	418	446	421	410	554	554	3,613
Services	72	182	243	257	274	258	252	340	340	2,220
<i>Human resources</i>	417	1,051	1,402	1,482	1,579	1,490	1,454	1,962	1,962	12,798
<i>Infrastructure</i>	773	1,950	2,600	2,749	2,930	2,763	2,697	3,640	3,640	23,741
<i>Rest (services)</i>	93	234	312	330	352	332	324	437	437	2,849
Cohesion funds	724	1,826	2,435	2,574	2,743	2,588	2,525	3,408	3,408	22,232

Table 66: Payments profile – Poland (mil. euro, 2004 prices)

Poland (mil. euro, 2004 prices)	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Structural and cohesion funds	2,069	5,119	6,691	6,936	7,246	6,701	6,411	8,483	8,317	57,973
Structural funds	1,387	3,432	4,486	4,650	4,858	4,492	4,298	5,687	5,575	38,866
<i>Productive environment</i>	179	443	579	600	627	580	554	734	719	5,014
Manufacturing	111	274	358	372	388	359	343	454	445	3,105
Services	68	169	220	228	239	221	211	279	274	1,908
<i>Human resources</i>	393	971	1,270	1,316	1,375	1,271	1,216	1,609	1,578	10,999
<i>Infrastructure</i>	728	1,802	2,355	2,441	2,550	2,359	2,257	2,986	2,927	20,405
<i>Rest (services)</i>	87	216	283	293	306	283	271	358	351	2,449
Cohesion funds	682	1,687	2,205	2,286	2,388	2,209	2,113	2,796	2,741	19,108

Table 67: Payments profile – Poland (% of total payments)

Poland (% 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	3.6	8.8	11.5	12.0	12.5	11.6	11.1	14.6	14.3	100.0

Table 68: 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	0.20	0.70	1.41	2.19	3.00	3.77	4.49	5.32	6.17	6.52	6.62	6.67	6.70	6.72
Private consumption	0.03	0.16	0.42	0.79	1.22	1.70	2.19	2.63	3.21	3.98	4.16	4.30	4.40	4.47
Government consumption	0.30	0.95	1.71	2.44	3.20	3.87	4.51	5.33	6.11	6.16	6.17	6.17	6.17	6.17
Gross fixed investment	4.19	10.16	13.39	14.31	15.33	14.95	14.93	18.50	18.79	7.16	7.19	7.20	7.21	7.21
Exports	-0.57	-1.14	-0.94	-0.18	0.61	1.66	2.59	2.88	3.94	7.00	7.10	7.17	7.22	7.26
Imports	2.15	5.03	6.31	6.39	6.60	6.19	6.06	7.68	7.74	2.44	2.61	2.77	2.91	3.03

Table 69: 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	0.11	0.42	0.87	1.34	1.82	2.26	2.67	3.11	3.60	3.93	3.92	3.91	3.90	3.90
Number of unemployed	-0.94	-2.89	-5.10	-7.17	-9.23	-11.05	-12.73	-14.89	-16.92	-17.08	-17.03	-16.99	-16.97	-16.96
Active population	-0.06	-0.11	-0.09	-0.03	0.04	0.12	0.19	0.21	0.30	0.55	0.54	0.54	0.54	0.54
Unemployment rate (%)	15.96	15.65	15.29	14.95	14.61	14.30	14.02	13.67	13.34	13.28	13.29	13.29	13.30	13.30
Unemployment rate (% points difference with BAU)	-0.14	-0.45	-0.81	-1.15	-1.49	-1.80	-2.08	-2.43	-2.76	-2.82	-2.81	-2.81	-2.80	-2.80

Table 70: 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	0.43	1.08	1.55	1.87	2.26	2.57	2.94	3.62	4.08	3.61	3.80	3.95	4.05	4.13
Household real consumption	0.03	0.16	0.42	0.79	1.22	1.70	2.18	2.62	3.19	3.96	4.15	4.29	4.39	4.46
Household real savings	0.15	0.28	0.31	0.34	0.48	0.68	0.95	1.28	1.63	2.10	2.45	2.71	2.91	3.07
Propensity to save (%)	7.01	7.01	6.99	6.97	6.95	6.94	6.92	6.92	6.90	6.88	6.89	6.90	6.91	6.91
Propensity to save (% points difference with BAU)	0.01	0.01	-0.01	-0.03	-0.05	-0.07	-0.08	-0.08	-0.10	-0.12	-0.11	-0.10	-0.09	-0.09
Real average wage	0.12	0.37	0.67	0.97	1.27	1.55	1.81	2.15	2.48	2.54	2.53	2.52	2.52	2.52
Real average return to capital	0.66	1.21	0.87	0.07	-0.62	-1.41	-1.97	-1.98	-2.55	-4.31	-3.97	-3.70	-3.47	-3.28

Table 71: Private consumption (% change compared to BAU)

Private consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.32	0.56	0.41	0.25	0.35	0.53	0.92	1.62	2.01	1.86	2.88	3.59	4.07	4.40
Manufacturing	0.19	0.45	0.63	0.81	1.08	1.38	1.75	2.23	2.68	2.97	3.30	3.56	3.75	3.91
High-Tech Manufacturing	0.31	0.68	0.84	0.90	1.07	1.24	1.50	1.97	2.32	2.29	2.62	2.88	3.09	3.26
Services	-0.11	-0.02	0.50	1.23	1.94	2.69	3.34	3.80	4.57	5.80	5.68	5.57	5.48	5.41
Construction	-0.94	-2.03	-2.20	-1.71	-1.20	-0.35	0.36	0.23	1.01	4.58	4.65	4.70	4.73	4.75
Public administration	-0.14	-0.29	-0.24	0.00	0.29	0.70	1.11	1.37	1.84	2.92	3.18	3.39	3.55	3.68
Private consumption - total	-0.02	0.07	0.36	0.78	1.25	1.78	2.30	2.73	3.34	4.26	4.40	4.50	4.57	4.62

Table 72: Public consumption (% change compared to BAU)

Public consumption	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.92	1.88	1.96	1.69	1.81	1.86	2.26	3.51	3.91	2.18	3.57	4.53	5.19	5.64
Manufacturing	0.77	1.79	2.27	2.42	2.72	2.89	3.22	4.17	4.62	3.38	3.87	4.26	4.55	4.79
High-Tech Manufacturing	0.92	2.09	2.56	2.58	2.76	2.78	2.98	3.91	4.24	2.61	3.07	3.44	3.74	3.97
Services	0.32	1.09	2.07	3.05	4.01	4.86	5.62	6.55	7.47	7.58	7.40	7.25	7.13	7.02
Construction	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
Public administration	0.29	0.78	1.25	1.68	2.17	2.63	3.12	3.81	4.40	4.38	4.63	4.82	4.98	5.10
Public consumption - total	0.30	0.95	1.71	2.44	3.20	3.87	4.51	5.33	6.11	6.16	6.17	6.17	6.17	6.17

Table 73: Domestic sales (% change compared to BAU)

Domestic sales	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.08	-0.13	0.03	0.44	0.98	1.67	2.40	3.05	3.83	4.96	5.58	6.01	6.29	6.48
Manufacturing	0.23	0.71	1.30	1.92	2.59	3.24	3.89	4.67	5.43	5.68	5.89	6.03	6.13	6.20
High-Tech Manufacturing	1.61	4.00	5.50	6.22	7.02	7.32	7.74	9.50	10.11	6.25	6.40	6.52	6.59	6.65
Services	0.25	0.82	1.56	2.32	3.11	3.84	4.53	5.34	6.16	6.40	6.44	6.45	6.45	6.44
Construction	1.99	4.93	6.75	7.56	8.42	8.63	8.98	11.00	11.56	6.50	6.53	6.55	6.56	6.56
Public administration	0.28	0.77	1.23	1.66	2.15	2.61	3.09	3.78	4.37	4.36	4.61	4.81	4.96	5.08
Domestic sales - total	0.55	1.50	2.36	3.06	3.80	4.40	5.01	6.03	6.78	6.08	6.20	6.28	6.34	6.37

Table 74: Domestic production (% change compared to BAU)

Domestic production	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.16	-0.37	-0.36	-0.04	0.49	1.22	2.03	2.73	3.56	4.89	5.80	6.41	6.81	7.07
Manufacturing	-0.37	-0.64	-0.28	0.51	1.35	2.35	3.27	3.82	4.84	6.93	7.18	7.36	7.48	7.56
High-Tech Manufacturing	-0.20	-0.22	0.33	1.23	2.17	3.24	4.23	4.96	6.09	7.81	8.06	8.25	8.39	8.50
Services	0.14	0.62	1.40	2.28	3.16	4.00	4.76	5.55	6.46	7.02	6.96	6.91	6.85	6.80
Construction	1.91	4.78	6.61	7.49	8.42	8.71	9.11	11.11	11.72	6.89	6.87	6.85	6.82	6.79
Public administration	0.28	0.77	1.23	1.65	2.14	2.59	3.07	3.76	4.34	4.33	4.58	4.78	4.94	5.06
Domestic production - total	0.14	0.57	1.28	2.10	2.94	3.77	4.55	5.38	6.29	6.85	6.96	7.02	7.06	7.08

Table 75: Employment (% change compared to BAU)

Employment	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.67	-1.10	-0.47	0.64	1.54	2.56	3.27	3.25	4.11	6.78	6.03	5.50	5.14	4.88
Manufacturing	-0.60	-1.08	-0.67	0.26	1.14	2.19	3.03	3.24	4.14	6.70	6.50	6.29	6.10	5.92
High-Tech Manufacturing	-0.36	-0.45	0.28	1.43	2.47	3.60	4.50	4.91	5.92	7.92	7.54	7.23	6.99	6.79
Services	0.31	0.64	0.68	0.63	0.70	0.76	0.94	1.36	1.57	1.24	1.70	2.04	2.30	2.50
Construction	4.23	10.02	12.57	12.58	12.77	11.58	10.95	14.05	13.61	1.66	2.06	2.36	2.59	2.77
Public administration	0.36	0.92	1.37	1.71	2.10	2.41	2.74	3.32	3.73	3.36	3.50	3.58	3.64	3.68
Employment - total	0.11	0.42	0.87	1.34	1.82	2.26	2.67	3.11	3.60	3.93	3.92	3.91	3.90	3.90

Table 76: 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	-2.42	-3.79	-1.37	2.46	5.19	8.09	9.74	8.91	11.10	19.00	15.26	12.55	10.66	9.35
Manufacturing	-0.46	-0.08	1.88	4.41	6.64	8.78	10.38	11.36	13.17	15.58	14.36	13.31	12.40	11.63
High-Tech Manufacturing	-0.22	0.59	2.96	5.78	8.22	10.45	12.10	13.25	15.20	17.12	15.57	14.32	13.32	12.51
Services	6.12	14.39	18.11	18.35	18.90	17.50	16.88	21.61	21.30	3.83	4.51	5.04	5.45	5.76
Construction	5.67	13.25	16.78	17.26	17.96	16.89	16.45	20.80	20.72	4.74	5.26	5.66	5.99	6.24
Public administration	-0.22	0.03	1.14	2.62	4.03	5.46	6.64	7.50	8.85	10.73	10.32	9.96	9.64	9.35
Total investments - total	4.25	10.28	13.54	14.47	15.49	15.09	15.07	18.68	18.96	7.17	7.20	7.22	7.22	7.23

Table 77: Imports (% change compared to BAU)

Imports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	0.68	2.15	3.74	4.84	5.45	5.64	5.49	5.52	5.82	5.06	2.93	1.62	0.85	0.44
Manufacturing	1.54	3.56	4.42	4.45	4.58	4.28	4.19	5.28	5.36	1.92	1.98	2.05	2.12	2.20
High-Tech Manufacturing	2.61	6.29	8.21	8.71	9.31	9.07	9.09	11.31	11.55	4.71	4.79	4.86	4.91	4.95
Services	2.07	4.18	4.02	2.65	1.71	0.45	-0.21	0.85	0.28	-4.43	-3.19	-2.19	-1.38	-0.71
Construction	5.47	12.80	15.49	14.72	14.33	12.26	11.09	14.80	13.89	-1.01	-0.22	0.42	0.94	1.37
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	2.15	5.03	6.31	6.39	6.60	6.19	6.06	7.68	7.74	2.44	2.61	2.77	2.91	3.03

Table 78: Exports (% change compared to BAU)

Exports	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.33	-0.86	-1.13	-1.01	-0.65	0.01	0.80	1.38	2.16	3.97	5.29	6.20	6.81	7.21
Manufacturing	-0.59	-1.23	-1.13	-0.47	0.22	1.20	2.08	2.31	3.31	6.41	6.62	6.78	6.90	7.00
High-Tech Manufacturing	-0.54	-1.12	-1.00	-0.35	0.35	1.32	2.19	2.47	3.48	6.45	6.67	6.85	7.00	7.13
Services	-0.57	-0.94	-0.30	0.96	2.18	3.59	4.76	5.21	6.56	9.77	9.28	8.87	8.55	8.28
Construction	-0.57	-1.06	-0.63	0.39	1.39	2.62	3.65	3.98	5.16	8.28	8.00	7.77	7.59	7.44
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	-0.57	-1.14	-0.94	-0.18	0.61	1.66	2.59	2.88	3.94	7.00	7.10	7.17	7.22	7.26

Table 79: Consumer prices (% change compared to BAU)

Consumer prices	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Agriculture	-0.60	-1.00	-0.55	0.23	0.75	1.30	1.55	1.18	1.52	3.23	2.23	1.54	1.08	0.76
Manufacturing	-0.45	-0.89	-0.79	-0.38	-0.05	0.36	0.64	0.52	0.79	2.00	1.77	1.58	1.42	1.29
High-Tech Manufacturing	-0.58	-1.14	-1.01	-0.48	-0.04	0.52	0.91	0.80	1.18	2.75	2.51	2.31	2.14	1.99
Services	-0.12	-0.38	-0.64	-0.83	-0.98	-1.04	-1.07	-1.15	-1.21	-0.98	-0.73	-0.54	-0.40	-0.29
Construction	0.80	1.88	2.38	2.43	2.49	2.29	2.17	2.72	2.63	0.28	0.33	0.37	0.39	0.40
Public administration	-0.09	-0.08	0.16	0.50	0.81	1.11	1.33	1.45	1.70	2.06	1.90	1.76	1.64	1.54
Consumer price index	-0.23	-0.49	-0.50	-0.35	-0.24	-0.06	0.06	-0.01	0.10	0.65	0.62	0.59	0.57	0.55

Table 80: 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	-0.68	-1.08	-0.44	0.57	1.23	1.90	2.18	1.74	2.14	4.12	2.79	1.88	1.26	0.84
Manufacturing	-0.43	-0.80	-0.60	-0.12	0.26	0.71	0.98	0.85	1.14	2.35	1.97	1.67	1.43	1.23
High-Tech Manufacturing	-0.41	-0.75	-0.53	-0.02	0.39	0.85	1.15	1.05	1.35	2.51	2.14	1.85	1.61	1.42
Services	-0.10	-0.33	-0.59	-0.79	-0.94	-1.02	-1.05	-1.13	-1.19	-1.00	-0.76	-0.58	-0.44	-0.33
Construction	0.76	1.79	2.25	2.28	2.32	2.11	1.99	2.51	2.41	0.18	0.23	0.27	0.30	0.32
Public administration	-0.09	-0.08	0.16	0.50	0.81	1.11	1.33	1.45	1.70	2.06	1.90	1.76	1.64	1.54
Price index of total domestic production	-0.15	-0.31	-0.29	-0.16	-0.06	0.06	0.15	0.11	0.19	0.57	0.51	0.46	0.42	0.39