

Supplementary Material - European Economic Integration with Free Trade of the Means of Production

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1 Comparative Advantages Indexes

The indexes suggested in the article to perform an analysis of Comparative Advantages are the efficient specialization ratio

$$ESR_{c,i,t} = \frac{b_{c,i,t}^E}{\sum_{c=1}^m b_{c,i,t}^E} = \frac{b_{c,i,t}^E}{B_{i,t}^E} \quad (1.1)$$

and the real specialization ratio as

$$RSR_{c,i,t} = \frac{b_{c,i,t}}{\sum_{c=1}^m b_{c,i,t}} = \frac{b_{c,i,t}}{B_{i,t}} \quad (1.2)$$

where $i = 1, \dots, n$ identifies the sectors, $c = 1, \dots, m$ the countries and $t = 1, \dots, T$ the years. The matrix \mathbf{ESR}_t , which collects the ESR related to each country and each sector at time t , is called from now on the *efficient specialization pattern* at time t , while the matrix \mathbf{RSR}_t , an analogous matrix for the all the RSR at time t , is called the *real specialization pattern* at time t . The results of these two indexes are reported in Tables 1-17.

Where the ESR is higher than the RSR , the countries considered have a CA. For example, it is evident from Tab. 1 that the main CAs of Austria were in Sector 12—Basic Metal and Fabricated Metal. In most of the cases, the algorithm identifies 2 or 3 sectors of specialization—although cases in which there 1 or 4 sectors of specialization are not rare. For all the other Sectors, countries are said to have a comparative disadvantage, as it is the case of the production of Agricultural goods in Austria. In an efficient scenario it should have been 0 for all the years considered. In reality, it was always above 1.3%, although with a declining trend, which means that the real specialization progressively approached the efficient specialization in this case.

As for what concerns the two biggest European countries, it emerges that Germany had historically a strong CA in Sector 15—Transport Equipment—and in Sector 12—Basic Metal and Fabricated Metal. In some years it had a CA also Sector 4—Textiles and Textile Production. France excelled in Sector 1—Agriculture—, Sector 9—Chemicals and Chemical product—during the period 2000-2009 and Sector 15—Transport Equipment—in some years.

Table 1: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Austria*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	2.14	2.06	2.06	2.04	2.01	1.91	1.93	1.91	1.96	1.86	1.89	1.87	1.93	1.92	1.76	1.80	1.95
2	E	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	0.00	0.00	0.00
	R	0.88	0.90	0.91	0.93	1.02	1.11	1.33	1.24	1.24	1.27	1.42	1.59	1.62	1.68	1.84	1.85	1.94
3	E	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	0.00	0.00	0.00
	R	1.73	1.65	1.62	1.56	1.55	1.53	1.52	1.60	1.60	1.64	1.66	1.69	1.70	1.74	1.77	1.76	1.72
4	E	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	0.00	0.00	0.00
	R	1.69	1.78	1.73	1.64	1.61	1.62	1.55	1.59	1.58	1.51	1.49	1.55	1.51	1.49	1.38	1.50	1.42
5	E	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	0.00	0.00	0.00
	R	1.26	1.30	1.29	1.30	1.52	1.51	1.60	1.64	1.65	1.79	1.59	1.43	1.32	1.39	1.44	1.60	1.58
6	E	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	0.00	0.00	0.00
	R	5.66	5.90	5.60	5.77	5.51	5.45	5.46	5.59	5.81	5.89	5.88	6.32	6.50	6.63	6.72	7.05	7.57
7	E	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	29.12	0.01	0.00
	R	2.42	2.45	2.55	2.49	2.54	2.58	2.61	2.60	2.54	2.46	2.51	2.53	2.58	2.69	2.78	2.82	2.75
8	E	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	99.96	0.00	0.00	0.00
	R	1.22	1.36	1.00	1.46	1.43	1.47	1.39	1.28	1.29	1.31	1.34	1.29	1.33	1.25	1.07	0.96	0.90
9	E	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	0.00	0.00	0.00
	R	1.30	1.33	1.27	1.29	1.23	1.36	1.30	1.33	1.32	1.34	1.46	1.53	1.62	1.67	1.67	1.56	1.63
10	E	0.00	0.00	0.00	0.00	0.00	31.10	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	2.20	2.15	2.22	2.29	2.25	2.38	2.34	2.20	2.09	2.07	2.01	2.10	2.13	2.17	2.15	1.97	1.96
11	E	0.00	50.23	56.20	0.01	0.00	32.72	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	26.48	0.01	0.00
	R	3.51	3.61	3.55	3.37	3.08	3.12	3.08	3.07	3.07	3.01	3.06	3.04	3.04	3.17	3.29	3.24	3.17
12	E	20.22	6.52	5.43	21.03	20.35	0.00	20.80	19.49	0.00	0.01	21.01	20.90	21.39	0.00	0.00	18.86	22.40
	R	2.59	2.58	2.73	2.76	2.74	2.74	2.81	2.77	2.74	2.80	3.05	3.11	3.22	3.33	3.83	3.96	3.99
13	E	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	23.55	0.00	1.99	0.00
	R	2.41	2.40	2.45	2.53	2.54	2.64	2.69	2.83	2.95	2.86	2.94	3.09	3.20	3.38	3.35	3.21	3.28
14	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	22.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	2.61	2.59	2.53	2.52	2.33	2.24	2.48	2.51	2.51	2.43	2.38	2.30	2.40	2.49	2.51	2.39	2.38
15	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	36.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	1.20	1.34	1.29	1.29	1.38	1.39	1.52	1.88	1.79	2.13	2.15	2.14	1.99	1.89	1.68	1.64	1.93
16	E	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	0.00	0.00	0.00
	R	2.80	3.10	2.88	2.76	2.57	2.54	2.64	2.82	2.69	2.77	2.71	2.80	2.89	3.32	3.69	3.55	3.52
17	E	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	0.00	0.00	0.00
	R	2.17	2.11	2.14	2.14	2.37	2.32	2.76	2.96	3.46	3.41	3.44	3.82	3.68	3.99	4.51	4.48	4.83

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Austria should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Austria actually produced. An *ESR* > *RSR* means that Austria had a Comparative Advantage in the relative sector.

Table 2: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Belgium*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	1.85	1.81	1.83	1.81	1.78	1.83	1.77	1.80	1.74	1.70	1.60	1.60	1.60	1.52	1.43	1.52	1.46
2	E	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	0.00	0.00	0.00
	R	0.53	0.51	0.59	0.56	0.60	0.60	0.56	0.52	0.53	0.57	0.57	0.61	0.65	0.69	0.77	0.75	0.87
3	E	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	0.00	4.26	0.00
	R	3.44	3.36	3.35	3.43	3.18	3.33	3.53	3.39	3.32	3.33	3.21	3.19	3.28	3.41	3.48	3.35	3.44
4	E	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	0.00	0.00	0.00
	R	3.81	4.04	4.29	4.45	4.33	3.93	3.90	3.81	3.69	3.76	3.40	3.68	3.68	3.40	3.80	3.92	4.19
5	E	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	0.00	0.00	0.00
	R	0.65	0.66	0.56	0.57	0.60	0.52	0.50	0.54	0.56	0.59	0.51	0.49	0.53	0.50	0.55	0.59	0.58
6	E	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	98.94	0.00	14.33	0.23	0.00	0.01	99.96	0.05	2.26
	R	2.53	2.34	2.39	2.44	2.43	2.51	2.76	2.77	2.95	2.89	2.76	2.82	2.97	2.86	2.81	2.74	2.92
7	E	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	0.00	0.00	0.00
	R	2.75	2.66	2.59	2.57	2.63	2.61	2.73	2.60	2.66	2.65	2.50	2.47	2.49	2.52	2.58	2.47	2.52
8	E	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	0.00	0.00	0.00
	R	4.47	5.64	4.16	5.55	4.86	5.62	5.16	4.62	4.60	5.28	6.34	6.10	5.55	4.95	4.97	4.45	3.69
9	E	0.00	0.00	0.01	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
	R	5.62	5.81	6.36	6.30	6.19	6.43	6.27	6.13	6.39	6.31	5.97	5.96	5.84	5.98	6.06	6.12	6.29
10	E	0.00	24.97	31.37	81.33	37.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.01
	R	3.05	2.95	3.06	3.14	3.16	2.75	2.72	2.70	2.59	2.76	2.70	2.66	2.70	2.59	2.46	2.49	2.69
11	E	76.00	49.76	43.70	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	4.45	4.37	4.40	4.25	4.08	3.96	4.07	3.92	3.88	3.81	3.49	3.53	3.47	3.65	4.35	4.18	4.36
12	E	0.00	0.00	0.55	0.00	12.65	0.01	25.30	23.65	4.54	24.60	18.72	21.86	21.69	20.85	0.01	19.69	18.78
	R	4.24	4.25	4.30	4.36	4.38	4.31	4.42	4.49	4.41	4.46	4.11	4.25	4.25	3.99	4.31	4.19	4.16
13	E	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	0.00	0.00	0.00
	R	1.90	1.83	1.91	1.98	1.93	1.95	1.84	1.76	1.82	1.80	1.66	1.57	1.55	1.51	1.49	1.40	1.37
14	E	0.00	0.00	0.00	0.00	0.00	24.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	2.18	2.09	2.06	2.09	2.06	2.36	2.17	1.90	1.84	1.81	1.51	1.42	1.24	1.20	1.26	1.10	1.06
15	E	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	0.00	0.00	0.00
	R	3.78	3.59	3.23	3.23	3.05	2.99	3.20	3.14	2.77	2.79	2.68	2.76	2.54	2.47	2.57	2.26	2.33
16	E	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	0.00	0.00	0.00
	R	3.27	3.04	2.90	2.84	2.65	3.07	3.12	2.89	2.88	2.93	2.69	2.73	2.58	2.54	2.47	2.40	2.37
17	E	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	0.00	0.00	0.00
	R	1.86	1.93	1.97	1.91	2.05	1.93	1.86	1.81	1.72	1.67	1.65	1.63	1.61	1.48	1.61	1.57	1.63

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Belgium should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Belgium actually produced. An *ESR* > *RSR* means that Belgium had a Comparative Advantage in the relative sector.

Table 3: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Czech Republic*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	11.93	0.00	10.54	12.87	13.16	14.07	11.68	15.06	16.13	15.50	17.18	16.98	14.92	14.63	15.22	12.72	15.35
	R	2.57	2.50	2.36	2.34	2.26	2.24	2.29	2.27	2.40	2.31	2.50	2.37	2.28	2.23	2.32	1.99	2.31
2	E	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	0.00	0.00	0.00
	R	2.23	2.20	2.14	2.08	1.92	1.88	2.01	2.08	2.01	2.17	2.13	2.30	2.30	2.20	2.13	2.03	1.83
3	E	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	0.00	0.00	0.00
	R	2.08	2.10	2.11	2.12	2.12	2.08	2.17	2.27	2.15	2.13	2.13	2.12	2.09	2.07	2.15	1.96	1.95
4	E	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	0.00	0.00	0.00
	R	1.45	1.38	1.30	1.35	1.39	1.46	1.53	1.53	1.56	1.68	1.71	1.83	1.88	1.91	1.70	1.76	1.95
5	E	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	0.00	0.00	0.00
	R	1.20	1.07	0.84	0.72	0.76	0.82	0.80	0.68	0.59	0.64	0.73	0.79	0.96	1.01	1.02	1.04	1.17
6	E	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	0.00	0.00	0.00
	R	1.64	1.84	1.93	1.81	1.83	2.02	2.29	2.35	2.53	2.47	2.63	2.76	2.92	3.27	3.51	3.28	3.39
7	E	0.00	0.00	0.00	0.00	0.00	0.00	8.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	1.25	1.39	1.60	1.63	1.60	1.57	1.78	1.83	1.78	1.91	2.05	2.12	2.21	2.27	2.32	2.18	2.26
8	E	0.02	99.98	99.97	0.11	0.00	0.05	0.00	0.06	0.01	0.01	0.00	0.00	0.00	0.01	0.02	0.00	0.00
	R	18.54	2.98	2.08	2.95	2.30	2.08	1.97	2.05	2.35	2.35	2.63	2.49	2.21	2.22	2.07	2.04	1.68
9	E	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	0.00	0.00	0.00
	R	0.83	0.99	1.10	1.05	0.98	0.87	0.84	0.85	0.85	0.93	1.00	1.07	0.94	1.01	0.95	1.04	1.05
10	E	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	0.00	0.00	0.00
	R	0.97	1.25	1.48	1.46	1.44	1.67	2.04	2.12	2.47	2.74	2.98	3.45	3.69	3.71	3.61	3.67	3.84
11	E	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	0.00	0.00	0.00
	R	1.86	2.08	2.26	2.22	2.21	2.25	2.31	2.33	2.39	2.49	2.52	2.68	2.64	2.80	2.63	2.50	2.49
12	E	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	0.00	0.00	0.00
	R	2.17	2.17	2.31	2.28	2.00	1.95	2.13	2.05	2.13	2.30	2.31	2.36	2.34	2.40	2.12	2.10	2.14
13	E	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	0.00	0.00	0.00
	R	1.23	1.38	1.35	1.48	1.23	1.26	1.33	1.37	1.36	1.52	1.71	2.06	2.23	2.28	2.02	2.04	2.03
14	E	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	0.00	0.00	0.00
	R	0.99	1.23	1.26	1.40	1.44	1.53	1.91	2.30	2.35	2.85	2.88	3.31	3.92	4.18	3.75	4.23	4.07
15	E	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	0.00	0.00	0.00
	R	0.78	0.91	1.12	1.20	1.23	1.47	1.63	1.72	1.71	1.86	2.21	2.56	2.77	2.92	3.35	3.33	3.75
16	E	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	0.00	0.00	0.00
	R	1.36	1.41	1.50	1.48	1.54	1.74	1.84	2.00	1.75	1.80	1.97	2.13	2.30	2.23	2.57	2.93	3.00
17	E	0.00	62.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.20	3.84	0.00	0.00	0.00
	R	4.57	4.73	4.34	4.24	4.51	4.13	4.30	4.19	4.21	4.16	4.00	4.04	3.97	3.76	3.84	3.43	3.24

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that the Czech Republic should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that the Czech Republic actually produced. An *ESR* > *RSR* means that the Czech Republic had a Comparative Advantage in the relative sector.

Table 4: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Denmark*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	0.71	0.92	0.00	0.00	0.28	0.03	0.00	0.00	5.55	4.40	5.31	0.79	5.30	0.00	6.29	4.47	5.09
	R	1.62	1.56	1.60	1.62	1.58	1.61	1.61	1.61	1.64	1.55	1.62	1.59	1.61	1.52	1.55	1.68	1.70
2	E	0.00	99.97	99.53	99.98	99.98	99.99	100.00	100.00	99.99	99.99	99.99	100.00	100.00	99.95	99.95	100.00	99.97
	R	2.15	2.42	2.78	2.71	3.51	4.01	4.07	4.28	4.28	4.61	4.83	4.71	4.30	4.10	4.24	4.44	4.98
3	E	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	0.00	0.00	0.00
	R	1.77	1.69	1.67	1.69	1.63	1.59	1.59	1.64	1.63	1.64	1.66	1.61	1.54	1.56	1.49	1.44	1.36
4	E	0.00	0.00	0.03	0.00	1.02	1.40	0.00	19.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	0.81	0.81	0.76	0.75	0.75	0.74	0.69	0.67	0.66	0.64	0.66	0.65	0.65	0.61	0.54	0.51	0.49
5	E	99.99	99.99	99.96	67.96	99.97	99.97	84.27	0.27	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	0.45	0.43	0.24	0.26	0.30	0.34	0.28	0.17	0.16	0.13	0.11	0.12	0.08	0.08	0.08	0.07	0.07
6	E	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	0.00	0.00	0.00
	R	1.57	1.47	1.50	1.51	1.45	1.45	1.35	1.27	1.30	1.32	1.42	1.45	1.37	1.27	1.13	0.97	0.90
7	E	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	0.00	0.00	0.00
	R	1.27	1.31	1.26	1.26	1.21	1.16	1.13	1.11	1.07	1.06	1.12	1.05	1.08	1.01	1.04	0.91	0.84
8	E	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	0.71	0.92	0.59	0.82	0.75	0.70	0.69	0.64	0.63	0.70	0.67	0.62	0.60	0.63	0.46	0.39	0.32
9	E	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	0.00	0.00	0.00
	R	0.90	0.91	1.02	1.00	1.10	1.09	1.18	1.11	1.10	1.09	1.25	1.23	1.17	1.15	1.39	1.33	1.36
10	E	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	0.00	0.00	0.00
	R	1.33	1.39	1.32	1.30	1.30	1.29	1.22	1.21	1.18	1.10	1.12	1.13	1.16	0.96	0.98	0.87	0.84
11	E	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	0.00	0.00	0.00
	R	1.33	1.32	1.29	1.33	1.26	1.15	1.06	1.05	0.99	0.93	1.05	1.06	1.08	1.02	0.89	0.79	0.78
12	E	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	0.00	0.00	0.00
	R	1.11	1.09	1.04	1.04	0.99	1.02	0.98	0.96	0.91	0.90	0.89	0.90	0.92	0.94	0.86	0.71	0.68
13	E	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	9.25	0.00	0.00	0.00
	R	2.11	1.97	1.98	1.91	1.78	1.81	1.76	1.80	1.74	1.69	1.64	1.64	1.67	1.89	1.96	1.70	1.68
14	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	7.14	0.00	0.00	0.00	0.00	0.00
	R	1.27	1.36	1.27	1.25	1.35	1.34	1.48	1.57	1.47	1.37	1.48	1.48	1.50	1.38	1.58	1.51	1.40
15	E	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	0.00	0.00	0.00
	R	0.53	0.54	0.45	0.43	0.35	0.34	0.34	0.32	0.29	0.29	0.29	0.28	0.26	0.25	0.22	0.16	0.15
16	E	0.00	0.00	0.02	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
	R	2.21	2.17	2.15	2.13	1.95	1.95	1.90	1.80	1.75	1.75	1.88	1.89	1.78	1.51	1.45	1.51	1.45
17	E	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	0.00	0.00	0.00
	R	0.88	0.94	0.92	0.90	0.96	0.90	0.90	0.88	0.90	0.88	0.84	0.84	0.77	0.77	0.80	0.83	0.84

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Denmark should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Denmark actually produced. An *ESR* > *RSR* means that Denmark had a Comparative Advantage in the relative sector.

Table 5: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Finland*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	1.77	1.66	1.73	1.61	1.57	1.66	1.68	1.69	1.72	1.62	1.72	1.71	1.82	1.70	1.62	1.58	1.58
2	E	0.00	0.00	0.01	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
	R	0.65	0.67	0.78	0.67	0.86	0.68	0.75	0.83	0.86	0.88	0.90	1.05	1.03	1.16	1.30	1.51	1.68
3	E	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	0.00	0.00	0.00
	R	0.94	0.96	0.97	0.96	0.95	0.91	0.95	0.98	0.96	0.94	0.92	0.94	0.95	0.97	1.00	0.99	1.00
4	E	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	0.00	0.00	0.00
	R	0.51	0.54	0.52	0.51	0.51	0.48	0.48	0.50	0.47	0.48	0.49	0.51	0.50	0.48	0.47	0.44	0.46
5	E	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	0.00	0.00	0.00
	R	0.38	0.38	0.36	0.38	0.35	0.34	0.33	0.36	0.36	0.38	0.35	0.36	0.35	0.36	0.34	0.33	0.33
6	E	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	0.00	0.00	0.00
	R	4.51	4.67	5.03	5.30	5.32	5.33	5.17	5.13	5.28	5.28	5.24	5.35	5.41	4.96	4.78	5.26	5.27
7	E	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	0.00	0.00	0.00
	R	3.86	3.70	4.00	4.00	3.86	3.84	3.68	3.86	3.93	3.93	3.59	3.82	3.76	3.57	3.33	3.50	3.41
8	E	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	0.00	0.00	0.00
	R	1.25	1.58	1.04	1.78	1.53	1.40	1.38	1.46	1.52	1.60	1.36	1.33	1.41	1.32	1.16	1.00	0.93
9	E	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	0.00	0.00	0.00
	R	1.17	1.17	1.17	1.17	1.13	1.15	1.18	1.19	1.18	1.18	1.15	1.17	1.12	1.17	1.29	1.17	1.33
10	E	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	0.00	0.00	0.00
	R	1.30	1.30	1.31	1.36	1.34	1.44	1.36	1.34	1.25	1.23	1.26	1.28	1.27	1.31	1.21	1.17	1.21
11	E	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	0.00	0.00	0.00
	R	1.09	1.20	1.25	1.28	1.24	1.26	1.23	1.23	1.26	1.30	1.38	1.40	1.44	1.41	1.29	1.35	1.47
12	E	16.11	15.81	15.53	15.28	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
	R	1.67	1.78	1.83	1.86	1.81	1.90	1.87	1.81	1.91	2.00	2.02	2.03	2.03	2.08	1.96	1.94	1.96
13	E	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	0.00	0.00	0.00
	R	2.24	2.31	2.41	2.30	2.24	2.16	2.26	2.22	2.19	2.17	2.27	2.40	2.54	2.68	2.59	2.34	2.49
14	E	0.00	0.00	0.00	0.00	18.33	20.85	18.95	20.39	19.67	20.79	25.66	25.01	27.09	32.40	28.01	25.82	25.23
	R	1.45	1.56	1.72	2.22	2.63	3.09	2.91	3.11	3.01	3.25	3.76	3.72	4.01	4.72	4.16	3.86	3.65
15	E	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	0.00	0.00	0.00
	R	0.64	0.58	0.55	0.52	0.48	0.57	0.62	0.61	0.50	0.37	0.45	0.49	0.48	0.47	0.44	0.34	0.31
16	E	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	0.00	0.00	0.00
	R	0.86	0.88	0.90	0.92	0.91	0.93	0.96	0.94	0.95	1.00	1.02	1.04	1.03	1.01	0.92	0.90	0.93
17	E	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	0.00	0.00	0.00
	R	0.76	0.79	0.79	0.78	0.84	0.81	0.82	0.86	0.90	0.85	0.78	0.79	0.78	0.74	0.79	0.88	0.79

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Finland should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Finland actually produced. An *ESR* > *RSR* means that Finland had a Comparative Advantage in the relative sector.

Table 6: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in France*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	68.37	58.55	31.58	40.25	35.65	23.98	69.39	71.76	27.22	36.32	54.79	34.71	29.04	37.07	78.49	82.77	79.53
	R	18.09	18.46	18.35	18.77	19.17	19.36	18.77	19.71	17.87	19.97	20.02	20.21	19.48	20.67	23.58	23.42	23.45
2	E	0.00	0.00	0.01	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
	R	9.10	9.47	9.40	10.23	4.83	4.58	4.27	4.09	3.96	4.09	4.06	4.11	4.10	3.83	4.00	3.70	4.04
3	E	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	0.00	0.00	0.00
	R	12.19	12.14	12.51	12.99	15.45	15.03	14.93	14.68	14.86	14.53	14.68	14.68	14.67	14.14	16.40	15.42	14.64
4	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.01	0.04	100.00	99.99	0.00	0.00	0.00
	R	8.85	8.94	9.25	9.50	11.77	12.21	12.58	13.00	12.68	12.90	13.18	12.59	13.10	13.01	13.30	13.40	12.71
5	E	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	0.00	0.00	0.00
	R	6.54	6.61	6.63	7.13	9.08	8.95	8.84	7.93	7.49	7.12	7.34	7.28	6.91	7.19	7.32	7.15	6.17
6	E	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	0.00	0.00	0.00
	R	5.62	5.64	5.70	5.79	6.78	6.96	7.83	8.69	8.95	9.34	8.80	8.92	8.78	8.49	9.92	9.22	8.94
7	E	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	0.00	0.00	0.00
	R	10.27	10.13	10.30	10.47	12.13	12.19	12.19	12.00	11.86	11.85	12.03	11.88	11.98	12.26	13.08	13.18	13.09
8	E	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	0.00	0.00	0.00
	R	8.00	9.34	6.93	10.73	11.98	12.25	18.53	16.96	14.95	13.27	13.04	19.00	16.68	20.94	30.46	31.09	38.86
9	E	0.00	0.00	0.00	0.00	8.73	48.04	47.35	47.91	49.03	50.74	99.99	100.00	100.00	99.99	40.40	0.00	0.00
	R	10.36	10.06	10.08	10.29	11.95	13.23	13.45	13.85	13.89	13.80	14.71	15.22	15.43	16.18	15.79	15.80	13.91
10	E	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	0.00	0.00	0.00
	R	8.69	8.57	8.49	8.47	9.96	10.97	11.59	11.42	11.99	12.94	13.90	13.97	14.25	15.33	18.61	18.93	18.12
11	E	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	0.00	0.00	0.00
	R	8.92	8.97	9.19	9.43	10.87	11.17	10.64	10.60	10.79	11.06	10.98	11.04	10.71	10.56	11.70	11.51	10.70
12	E	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	0.00	0.00	0.00
	R	11.11	11.17	11.23	11.33	13.50	13.53	13.39	13.52	13.38	13.15	12.88	12.99	12.34	12.12	14.06	13.28	13.54
13	E	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	0.00	0.00	0.00
	R	7.60	7.50	7.72	7.72	9.39	9.56	9.74	9.97	9.76	10.16	10.20	10.19	9.84	9.94	11.53	11.28	10.65
14	E	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	0.00	0.00	0.00
	R	10.32	9.87	9.60	9.43	10.41	11.05	11.40	12.07	12.04	11.91	11.87	11.24	10.74	10.97	14.11	12.98	13.46
15	E	0.00	37.83	99.95	77.70	99.99	99.97	0.04	0.00	79.36	63.35	0.01	44.51	6.27	0.03	0.00	0.00	0.00
	R	17.83	16.99	16.49	15.80	17.97	17.26	16.79	15.31	15.97	16.40	17.44	16.29	15.92	16.25	16.46	16.03	11.49
16	E	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	0.00	0.00	0.00
	R	9.80	9.82	9.97	10.02	11.65	11.90	12.94	13.01	12.63	11.69	12.20	11.21	10.73	10.41	10.61	10.50	10.08
17	E	0.00	0.00	0.01	0.01	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
	R	18.18	18.06	17.65	18.11	8.82	9.64	10.25	10.31	10.65	10.51	10.70	11.01	10.73	11.15	10.89	11.53	11.23

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that France should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that France actually produced. An *ESR* > *RSR* means that France had a Comparative Advantage in the relative sector.

Table 7: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Germany*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	11.13	11.05	11.12	10.87	11.28	11.27	11.49	10.94	11.01	11.43	11.09	10.94	11.29	10.94	10.67	10.39	11.61
2	E	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	0.00	0.00	0.00
	R	13.50	11.46	10.91	10.26	9.13	9.26	8.36	9.09	10.94	10.44	9.98	10.21	10.40	9.29	8.99	7.89	7.46
3	E	76.86	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	0.00	0.00
	R	19.04	18.81	18.51	18.09	17.97	17.97	17.88	17.83	17.98	17.66	17.45	17.48	17.08	17.05	14.28	14.23	14.23
4	E	0.00	65.42	99.95	99.99	98.97	98.59	99.99	80.78	0.00	0.00	0.03	0.00	0.00	0.00	97.63	99.99	87.51
	R	13.71	13.43	13.10	12.80	12.44	12.27	12.02	11.34	11.32	11.81	11.97	12.32	12.48	11.96	10.74	11.21	11.95
5	E	0.00	0.00	0.01	0.03	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
	R	6.75	6.57	6.20	6.30	6.37	6.18	6.49	6.65	6.13	6.57	6.24	6.35	6.97	6.18	5.86	6.29	6.57
6	E	0.00	0.00	0.04	0.00	20.32	0.01	0.00	0.00	0.00	0.00	0.04	24.02	0.00	99.95	0.02	99.94	97.47
	R	26.42	25.09	24.95	23.71	23.09	21.78	20.19	20.80	19.49	19.95	20.18	19.92	19.38	18.71	18.34	18.35	19.24
7	E	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	0.00	0.00	0.00
	R	21.32	21.46	21.31	20.74	20.43	20.24	19.90	19.40	18.85	19.17	19.92	19.85	19.89	19.74	18.18	17.84	18.12
8	E	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	11.11	12.60	36.30	12.55	12.51	12.85	12.36	13.17	14.64	16.09	16.02	14.22	13.11	13.00	12.25	10.79	8.94
9	E	1.09	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	0.00	0.00
	R	27.92	27.27	26.79	26.25	25.67	25.82	25.28	24.34	24.62	24.31	24.75	25.05	25.38	25.09	22.28	22.88	23.57
10	E	21.72	0.01	0.01	0.01	0.01	4.55	6.14	0.24	50.46	0.43	0.01	0.57	0.51	0.01	0.02	0.01	99.91
	R	32.04	31.03	30.66	29.97	29.30	29.17	28.42	28.19	27.68	27.74	27.36	27.78	27.43	27.17	25.07	26.16	26.47
11	E	23.99	0.00	0.08	52.28	99.97	0.07	0.00	0.00	19.50	35.79	0.00	0.07	0.16	0.02	73.50	42.90	0.01
	R	26.45	25.22	24.17	23.58	22.85	21.96	20.49	19.75	19.28	19.14	18.69	18.96	18.73	18.81	18.04	18.52	19.59
12	E	6.73	77.66	78.46	63.64	67.00	75.83	33.61	55.22	95.45	75.39	28.98	57.22	36.33	41.79	0.06	0.01	0.00
	R	27.14	26.53	26.05	26.25	25.11	25.38	25.37	24.53	24.39	24.07	24.13	24.21	24.82	25.10	26.09	27.16	27.93
13	E	10.32	18.30	56.63	34.49	18.21	57.67	27.62	2.88	0.00	51.40	31.81	33.91	33.30	5.01	0.00	11.55	0.00
	R	35.70	35.26	34.61	34.97	33.93	34.10	34.26	33.39	33.49	33.14	33.30	33.61	34.39	35.28	33.61	33.45	34.05
14	E	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	23.66	32.79	42.13	33.19	40.63	34.72	38.16	35.73	34.08
	R	30.46	29.41	28.89	28.65	27.58	26.90	26.64	26.49	27.87	28.72	29.61	31.49	32.27	32.13	30.09	32.63	35.43
15	E	100.00	62.17	0.04	22.29	0.00	0.02	99.96	99.99	20.63	0.00	99.99	55.49	93.73	99.96	99.99	100.00	100.00
	R	32.27	32.99	33.29	34.69	34.70	35.21	36.71	37.24	36.73	36.24	36.66	36.92	37.61	37.55	36.96	37.60	40.16
16	E	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	0.00	0.00	0.00
	R	19.96	19.46	19.33	19.28	18.33	18.04	17.49	16.37	15.92	15.99	16.51	17.50	18.06	19.23	16.99	17.65	18.02
17	E	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	0.00	0.00	0.00
	R	13.61	13.87	13.55	13.88	15.39	14.57	14.46	15.36	15.25	16.22	15.57	15.51	16.49	15.95	16.60	16.36	15.86

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Germany should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Germany actually produced. An *ESR* > *RSR* means that Germany had a Comparative Advantage in the relative sector.

Table 8: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Great Britain*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	3.26	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	0.00	0.00
	R	8.23	7.82	7.88	7.59	7.40	7.15	6.58	6.80	6.99	6.74	7.44	7.22	7.19	6.92	6.36	6.17	6.19
2	E	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
	R	37.91	37.74	37.28	38.44	42.41	42.44	41.67	40.61	39.46	38.67	37.44	36.43	36.16	37.75	36.10	37.35	38.07
3	E	0.00	31.50	42.49	24.52	44.54	37.20	36.96	27.75	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.34
	R	12.63	12.62	12.65	12.18	11.62	11.52	11.19	11.41	11.12	11.24	10.83	10.50	10.17	9.91	9.32	10.31	11.50
4	E	100.00	34.57	0.00	0.00	0.00	0.00	0.00	0.01	99.99	99.99	99.95	99.96	0.00	0.00	2.36	0.00	12.49
	R	11.43	11.40	11.23	10.31	9.73	8.84	7.94	7.83	7.90	7.91	7.67	7.84	7.80	7.73	7.83	8.21	9.01
5	E	0.00	0.00	0.01	0.00	0.00	0.00	0.01	99.70	99.97	99.97	99.96	99.99	99.99	99.97	99.96	99.98	99.97
	R	5.31	5.11	4.69	4.08	3.79	3.47	3.29	3.25	2.79	2.47	2.48	2.48	2.42	2.50	2.68	2.83	3.83
6	E	100.00	99.99	99.94	99.98	79.67	99.97	99.99	99.99	1.05	99.99	85.62	75.75	99.99	0.02	0.00	0.00	0.26
	R	9.67	9.88	9.18	8.49	8.34	8.14	8.35	8.62	8.53	8.43	8.38	7.69	7.55	7.82	8.22	8.46	8.14
7	E	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	0.00	0.00	0.00
	R	19.09	19.02	18.53	18.28	17.52	16.98	17.04	17.02	17.15	16.70	15.41	14.75	14.59	14.31	14.27	14.16	14.06
8	E	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	0.00	0.00	0.00
	R	8.78	10.76	7.53	9.56	9.60	10.45	8.76	8.38	8.55	10.23	9.73	7.30	7.36	6.59	5.70	6.17	5.84
9	E	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	0.00	0.00	0.00
	R	15.43	15.77	15.21	14.73	14.08	13.05	13.28	13.12	12.68	13.30	11.11	10.45	9.78	9.51	9.26	8.41	8.38
10	E	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	0.00	0.00	0.00
	R	15.64	16.12	15.73	15.04	14.43	13.62	13.42	12.66	12.50	12.18	11.84	11.64	11.18	10.91	11.07	10.81	10.90
11	E	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	0.00	0.00	0.00
	R	10.02	9.91	9.69	9.19	9.04	8.73	8.44	8.27	8.60	9.10	8.49	8.00	7.76	7.79	8.50	8.97	9.25
12	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	20.59	37.04	31.88	0.01	0.08	
	R	11.66	11.81	11.23	10.87	10.18	9.53	9.24	9.09	8.76	9.00	8.88	8.39	7.97	7.94	8.49	8.74	8.82
13	E	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	8.34	52.06	49.58
	R	11.76	11.76	11.56	10.93	10.35	9.77	9.53	9.23	9.16	9.10	9.08	8.35	8.00	7.69	8.41	9.64	10.03
14	E	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	12.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	15.95	16.52	16.53	16.25	15.73	15.36	13.97	13.11	12.02	10.95	9.56	8.93	8.34	8.11	8.38	8.21	7.86
15	E	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	0.00	0.00	0.00
	R	14.64	15.06	14.87	14.36	13.08	12.24	12.00	11.99	12.24	11.97	10.98	10.83	10.25	10.28	11.40	12.84	13.85
16	E	100.00	100.00	99.95	99.99	99.99	99.99	100.00	100.00	100.00	100.00	99.99	100.00	100.00	99.99	99.99	99.99	99.99
	R	13.35	13.62	13.39	13.31	13.07	12.47	12.54	13.18	13.20	13.28	12.71	12.17	11.72	11.36	11.88	12.66	13.55
17	E	0.00	0.00	0.00	91.48	0.00	0.01	0.00	0.00	7.05	2.97	2.45	9.62	0.00	0.00	0.00	0.00	0.00
	R	17.57	18.08	18.87	18.92	21.35	21.04	19.60	19.23	18.88	18.32	18.73	17.43	17.34	17.73	16.12	16.72	17.87

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Great Britain should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Great Britain actually produced. An *ESR* > *RSR* means that Great Britain had a Comparative Advantage in the relative sector.

Table 9: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Greece*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	4.22	3.97	3.94	3.97	3.95	3.87	3.86	3.73	3.69	3.58	3.71	3.55	3.38	3.31	3.13	3.08	2.75
2	E	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	0.00	0.00	0.00
	R	0.84	0.82	0.85	0.96	0.89	1.06	1.10	1.20	1.17	1.28	1.42	1.44	1.42	1.38	1.39	1.29	1.14
3	E	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	16.84	0.05	9.32
	R	2.14	2.22	2.17	2.22	2.14	2.05	2.24	2.21	2.15	2.12	2.09	2.07	1.96	2.15	2.25	2.11	1.87
4	E	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	0.00	0.00	0.00
	R	2.46	2.49	2.33	2.43	2.43	2.28	2.24	2.33	2.42	1.99	2.07	1.64	1.73	2.11	2.35	2.17	2.06
5	E	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	0.00	0.00	0.00
	R	0.86	0.91	0.75	0.80	0.78	0.79	0.86	0.78	0.81	0.86	0.91	0.85	0.86	0.89	0.93	0.89	0.81
6	E	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	0.00	0.00	0.00
	R	1.60	1.56	1.37	1.34	1.36	1.29	1.26	1.04	1.12	1.15	0.99	0.94	0.93	0.89	0.79	0.72	0.65
7	E	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	0.00	0.00	0.00
	R	0.99	0.97	0.86	0.84	0.86	0.83	0.89	0.92	0.89	0.88	0.86	0.84	0.88	0.98	0.99	0.89	0.80
8	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
	R	2.65	3.38	2.30	2.82	2.55	2.92	2.81	2.51	2.62	2.77	3.02	2.86	2.94	2.75	2.79	1.95	1.29
9	E	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	0.00	0.00	0.00
	R	0.86	0.84	0.79	0.78	0.73	0.69	0.75	0.70	0.70	0.75	0.77	0.70	0.71	0.76	0.81	0.69	0.63
10	E	78.27	75.02	68.60	18.63	62.21	0.01	0.00	0.00	0.00	0.00	0.00	0.00	2.52	5.63	0.00	0.00	0.00
	R	1.11	1.07	0.93	0.88	0.85	0.84	1.04	1.03	1.03	0.98	0.87	0.88	0.87	0.84	0.83	0.74	0.63
11	E	0.00	0.00	0.01	47.68	0.02	67.17	68.67	65.68	80.45	64.17	63.91	62.75	50.29	46.59	0.00	57.08	0.00
	R	1.97	2.15	2.22	2.32	2.18	2.21	2.18	2.18	2.64	2.20	2.15	2.12	1.94	1.84	1.72	1.59	1.43
12	E	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	0.00	0.00	0.00
	R	0.70	0.66	0.64	0.63	0.63	0.72	0.84	0.91	0.95	1.02	1.16	1.16	1.03	1.01	1.06	0.89	0.73
13	E	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	0.00	0.00	0.00
	R	0.28	0.30	0.27	0.26	0.24	0.27	0.28	0.29	0.30	0.31	0.31	0.31	0.30	0.29	0.31	0.25	0.22
14	E	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	0.00	0.00	0.00
	R	0.36	0.33	0.32	0.34	0.32	0.33	0.42	0.40	0.41	0.34	0.30	0.29	0.28	0.30	0.21	0.16	0.14
15	E	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	0.00	0.00	0.00
	R	0.19	0.19	0.17	0.18	0.16	0.16	0.16	0.20	0.20	0.20	0.19	0.20	0.19	0.20	0.21	0.17	0.15
16	E	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	0.00	0.00	0.00
	R	0.96	0.97	0.90	0.89	0.90	0.91	0.90	0.77	0.71	0.85	0.79	0.74	0.73	1.12	1.23	1.15	1.03
17	E	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	0.00	0.00	8.45
	R	1.06	1.04	1.07	1.12	1.36	1.36	1.35	1.57	1.58	1.55	1.63	1.61	1.67	1.56	1.67	1.54	1.42

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Greece should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Greece actually produced. An *ESR* > *RSR* means that Greece had a Comparative Advantage in the relative sector.

Table 10: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Hungary*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.90	0.00	0.00	0.00	0.00	0.00	0.00
	R	2.00	2.10	2.00	1.93	2.04	1.99	2.45	2.19	2.18	2.81	2.89	2.74	2.14	3.17	3.06	2.86	4.13
2	E	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	0.00	0.00	0.00
	R	0.42	0.44	0.42	0.36	0.34	0.31	0.32	0.29	0.30	0.32	0.39	0.54	0.50	0.61	0.63	0.53	0.52
3	E	23.10	24.83	20.50	17.49	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	3.47	3.64	2.88	2.58	2.51	2.52	1.87	1.83	1.90	1.62	1.56	1.62	1.52	1.49	1.45	1.39	1.43
4	E	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	0.00	0.00	0.00
	R	1.15	1.32	1.28	1.38	1.30	1.43	1.53	1.41	1.44	1.25	1.04	0.95	0.82	0.76	0.73	0.67	0.76
5	E	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	0.00	0.00	0.00
	R	1.45	1.65	1.73	1.71	1.60	1.57	1.60	1.35	1.09	0.83	0.91	1.06	1.42	1.37	1.27	1.31	2.00
6	E	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	0.00	0.00	0.00
	R	0.72	0.73	0.67	0.66	0.70	0.78	0.84	0.81	0.85	0.85	0.88	0.90	0.83	0.88	0.75	0.74	0.65
7	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00
	R	0.78	0.80	0.93	0.97	1.00	1.05	1.08	1.10	1.21	1.21	1.21	1.22	1.13	1.13	1.18	1.21	1.19
8	E	99.94	0.00	0.00	99.26	99.98	0.06	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	R	6.57	7.39	4.89	7.78	7.33	4.79	3.47	2.78	3.24	3.08	3.39	3.25	3.62	3.70	2.68	2.82	2.42
9	E	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	0.00	0.00	0.00
	R	1.84	1.71	1.55	1.35	1.12	0.95	0.85	0.81	0.86	0.89	0.97	0.97	0.96	1.05	0.94	1.04	1.14
10	E	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	0.00	0.00	0.00
	R	0.73	0.71	0.80	0.87	0.91	1.11	1.13	1.15	1.27	1.32	1.33	1.39	1.49	1.55	1.49	1.71	1.80
11	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.16	49.55	53.34	0.00	0.00	0.00
	R	0.88	0.89	0.88	1.01	0.92	0.97	0.97	0.95	1.00	1.05	1.19	1.32	1.37	1.68	1.43	1.29	1.34
12	E	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	0.00	0.00	0.00
	R	0.70	0.71	0.79	0.70	0.73	0.83	0.76	0.74	0.79	0.83	0.86	0.96	0.95	0.95	0.65	0.71	0.74
13	E	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	19.23	22.89	22.68
	R	0.45	0.43	0.42	0.44	0.46	0.51	0.56	0.68	0.73	0.79	0.82	0.89	0.93	0.97	1.39	2.08	2.67
14	E	0.00	0.00	0.00	0.00	0.00	0.92	23.19	22.55	21.31	17.17	0.00	2.57	0.00	0.00	0.00	0.00	0.00
	R	0.42	0.58	0.96	1.40	2.43	2.99	3.48	3.37	3.57	3.57	3.75	3.91	4.39	4.10	3.32	3.81	3.31
15	E	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	0.00	0.00	0.00
	R	0.54	0.61	0.90	1.18	1.14	1.15	1.08	1.11	1.27	1.22	1.35	1.47	1.62	1.73	1.42	1.33	1.38
16	E	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	0.00	0.00	0.00
	R	0.39	0.36	0.36	0.41	0.41	0.45	0.47	0.51	0.52	0.53	0.55	0.56	0.58	0.63	0.61	0.60	0.61
17	E	0.00	0.00	0.00	0.00	61.51	67.58	0.00	0.00	0.00	2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	4.77	4.72	4.32	4.05	4.16	4.05	3.77	3.27	3.31	3.28	2.97	3.39	3.11	3.01	2.81	2.84	2.71

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Hungary should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Hungary actually produced. An *ESR* > *RSR* means that Hungary had a Comparative Advantage in the relative sector.

Table 11: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Ireland*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	1.49	1.54	1.56	1.54	1.48	1.48	1.59	1.60	1.63	1.50	1.18	1.16	1.15	1.11	1.16	1.34	1.38
2	E	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	0.00	0.00	0.00
	R	0.59	0.64	0.71	0.64	0.70	0.82	0.95	0.97	1.11	0.86	1.15	1.24	1.73	1.26	1.40	1.29	1.25
3	E	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	0.00	0.00	0.00
	R	1.39	1.41	1.43	1.29	1.30	1.36	1.57	1.54	1.77	1.80	1.78	1.85	1.99	1.89	2.10	2.32	2.28
4	E	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	0.00	0.00	0.00
	R	0.55	0.58	0.56	0.46	0.39	0.35	0.39	0.35	0.39	0.37	0.38	0.49	0.41	0.39	0.42	0.38	0.40
5	E	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	0.00	0.00	0.00
	R	0.46	0.30	0.32	0.28	0.24	0.27	0.24	0.22	0.22	0.23	0.23	0.22	0.24	0.25	0.30	0.28	0.29
6	E	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	0.00	0.00	0.00
	R	0.65	0.70	0.84	0.78	0.81	0.89	0.73	0.73	0.89	0.88	1.05	1.11	1.10	0.85	0.90	1.13	1.15
7	E	0.00	24.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.99	49.07	48.73	45.82	7.72	63.73	77.21
	R	1.71	2.00	2.27	2.41	2.64	2.96	2.28	2.39	2.57	2.87	3.22	3.74	3.81	4.01	4.23	5.25	5.22
8	E	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	0.00	0.00	0.00
	R	0.14	0.18	0.15	0.20	0.16	0.20	0.26	0.22	0.22	0.32	0.40	0.49	0.53	0.38	0.36	0.27	0.20
9	E	25.80	0.93	32.49	37.14	43.00	51.95	52.64	52.09	50.96	49.25	0.00	0.00	0.00	0.00	59.59	0.00	0.00
	R	1.63	1.85	2.28	2.80	3.13	3.72	4.12	4.47	4.33	4.25	4.49	3.99	5.03	5.18	6.83	7.15	7.13
10	E	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	0.00	0.00	0.00
	R	0.72	0.75	0.72	0.65	0.61	0.64	0.56	0.52	0.58	0.61	0.66	0.70	0.89	0.76	0.81	0.68	0.65
11	E	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	0.00	0.00	0.00
	R	0.74	0.82	0.93	0.87	0.89	0.93	0.86	0.83	0.90	1.01	1.13	1.26	1.37	1.04	1.08	0.96	0.97
12	E	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	0.00	0.00	0.00
	R	0.33	0.37	0.39	0.35	0.34	0.37	0.32	0.32	0.36	0.38	0.46	0.47	0.49	0.49	0.48	0.40	0.37
13	E	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	0.00	0.00	0.00
	R	0.54	0.56	0.58	0.50	0.47	0.48	0.37	0.34	0.39	0.35	0.42	0.41	0.41	0.37	0.39	0.35	0.33
14	E	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	0.00	0.00	0.00
	R	3.16	3.22	3.67	3.54	4.20	4.88	4.96	4.74	4.85	4.97	5.29	5.29	4.94	4.78	5.46	4.95	4.75
15	E	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	0.00	0.00	0.00
	R	0.16	0.17	0.19	0.17	0.16	0.17	0.14	0.17	0.17	0.16	0.17	0.20	0.22	0.21	0.23	0.18	0.18
16	E	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	0.00	0.00	0.00
	R	0.27	0.30	0.33	0.29	0.25	0.23	0.27	0.24	0.31	0.33	0.38	0.43	0.58	0.55	0.66	0.58	0.59
17	E	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	0.00	0.00	0.00
	R	0.33	0.30	0.31	0.31	0.25	0.30	0.39	0.39	0.42	0.38	0.55	0.86	0.82	0.77	0.86	0.90	0.93

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Ireland should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Ireland actually produced. An *ESR* > *RSR* means that Ireland had a Comparative Advantage in the relative sector.

Table 12: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Italy*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	11.44	11.09	11.22	11.32	11.47	11.32	11.29	10.89	10.89	11.01	10.93	10.64	10.61	10.31	9.13	9.06	8.76
2	E	0.00	0.00	0.01	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
	R	4.41	4.74	5.14	5.36	5.62	5.88	5.87	6.20	5.72	5.60	6.19	6.10	6.13	5.92	6.01	5.95	5.49
3	E	0.00	0.00	21.47	0.00	0.01	62.74	15.71	4.37	33.87	49.53	54.26	54.80	54.86	52.85	38.57	80.12	28.60
	R	11.49	11.32	11.54	11.95	11.71	12.08	11.59	11.79	11.79	11.86	11.96	11.58	11.59	11.46	11.49	11.21	10.84
4	E	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	0.00	0.00	0.00
	R	34.34	33.89	33.47	34.35	33.72	34.79	35.40	35.96	35.85	35.73	35.92	35.70	35.40	35.82	36.91	36.47	34.76
5	E	0.00	0.00	0.00	31.99	0.01	0.01	15.71	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.01
	R	51.07	50.67	51.53	51.45	50.70	52.83	53.49	54.50	56.58	56.95	57.68	58.24	58.07	56.97	56.77	56.52	54.84
6	E	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	0.00	0.00	0.00
	R	15.64	15.52	15.34	16.04	16.47	16.34	16.81	15.75	15.68	15.05	14.18	13.88	13.87	13.38	12.11	11.66	10.63
7	E	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	0.00	0.00	0.00
	R	11.41	11.29	11.06	11.23	11.07	10.91	11.23	11.22	11.35	11.31	11.13	10.92	10.77	10.64	10.20	9.80	9.21
8	E	0.01	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	0.00	0.00
	R	14.51	16.28	12.00	18.08	15.46	14.41	14.58	13.48	14.31	14.10	13.33	11.64	11.72	10.29	6.27	6.61	5.02
9	E	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	0.00	0.00	0.00
	R	12.35	12.49	12.58	12.74	12.94	11.86	11.61	12.04	11.56	11.31	11.14	11.02	10.52	10.02	10.12	9.94	9.61
10	E	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.15	40.12	92.14	26.49	12.84	0.12	0.00	0.00	0.00	0.00
	R	16.64	16.79	17.07	17.64	17.42	16.58	16.02	17.03	16.44	15.89	14.83	14.05	13.40	12.42	11.19	10.55	10.27
11	E	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	19.11	19.44	19.14	19.01	18.89	18.91	19.34	20.28	19.85	19.27	19.08	18.02	18.00	17.16	15.93	16.03	15.47
12	E	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.54
	R	19.28	19.29	19.46	19.47	19.26	18.82	19.15	19.63	20.00	18.94	18.96	18.68	18.65	18.36	15.40	15.55	14.89
13	E	89.68	81.70	43.36	65.50	81.78	42.32	72.38	97.12	99.99	48.59	68.18	66.09	66.69	62.17	72.42	11.51	27.74
	R	21.08	21.02	21.04	21.04	21.45	21.47	21.02	21.27	21.42	21.30	20.68	20.21	19.56	18.50	17.75	17.14	16.56
14	E	100.00	100.00	99.99	99.99	81.66	30.54	57.86	52.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	16.40	15.93	15.67	14.96	13.58	12.49	12.68	13.24	13.03	12.87	12.50	11.81	11.46	10.70	9.91	9.55	8.42
15	E	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	0.00	0.00	0.00
	R	10.97	10.43	10.58	9.96	9.58	9.57	9.06	9.21	8.61	8.34	7.72	7.96	8.02	7.81	7.73	6.83	6.06
16	E	0.00	0.00	0.02	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
	R	24.71	24.16	24.00	23.50	23.70	23.67	22.63	23.05	22.92	22.37	22.30	22.01	21.57	20.56	20.75	20.84	20.33
17	E	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	4.09	5.82	0.00
	R	11.85	11.57	11.64	11.77	13.57	12.89	12.77	13.07	13.13	12.88	12.52	12.52	12.28	12.29	11.85	11.19	10.49

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Italy should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Italy actually produced. An *ESR* > *RSR* means that Italy had a Comparative Advantage in the relative sector.

Table 13: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Netherlands*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	13.19	0.00	14.89	3.02	6.30	13.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	7.24	6.95	7.10	6.97	7.10	7.18	7.11	7.05	7.29	7.00	7.17	7.19	7.31	7.19	7.11	7.29	6.36
2	E	100.00	0.03	0.37	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.00	0.02
	R	11.19	11.95	11.57	11.54	12.25	11.97	13.20	13.33	12.94	14.33	14.05	14.09	13.90	14.60	15.57	13.89	13.46
3	E	0.00	20.73	13.02	35.65	37.84	0.00	47.32	46.31	45.50	45.82	45.73	45.20	45.14	43.65	40.32	1.13	4.98
	R	7.46	7.59	7.47	7.58	7.42	7.32	7.13	7.15	7.06	7.06	7.09	7.05	7.03	7.10	7.40	7.44	7.67
4	E	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	0.00	0.00	0.00
	R	1.99	1.96	1.94	1.97	1.97	1.99	1.93	1.93	1.94	1.87	1.90	1.95	2.03	1.98	1.98	2.08	2.27
5	E	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	0.00	0.00	0.00
	R	0.72	0.69	0.69	0.74	0.75	0.75	0.67	0.68	0.69	0.74	0.76	0.76	0.78	0.79	0.83	0.90	0.93
6	E	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	0.00	0.00	0.00
	R	2.85	2.92	2.93	3.03	2.87	2.76	2.71	2.50	2.43	2.36	2.42	2.44	2.49	2.58	2.63	2.24	2.29
7	E	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	0.00	0.00	0.00
	R	5.13	5.17	5.20	5.29	5.13	4.97	4.99	4.92	4.82	4.73	4.76	4.66	4.64	4.59	4.83	4.58	4.58
8	E	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.96	99.99	99.99
	R	6.44	7.61	5.18	7.80	6.80	6.68	6.60	6.05	6.48	6.62	6.32	5.58	5.76	5.72	5.60	5.12	4.59
9	E	52.90	59.00	21.51	15.68	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	99.99	99.99	
	R	8.16	8.16	8.13	8.02	7.93	7.89	7.86	7.98	7.94	8.13	8.30	8.32	8.13	7.82	8.43	8.73	9.67
10	E	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	0.00	0.00	0.00
	R	3.43	3.41	3.44	3.49	3.42	3.35	3.28	3.29	3.20	3.05	3.07	3.03	3.03	2.94	2.93	2.87	2.84
11	E	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	0.00	0.00	0.00
	R	3.37	3.53	3.51	3.56	3.50	3.47	3.39	3.21	3.05	3.00	2.99	3.05	3.11	3.28	3.36	2.94	3.06
12	E	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	0.00	0.00	0.00
	R	3.43	3.58	3.59	3.64	3.51	3.48	3.38	3.32	3.20	3.22	3.26	3.13	3.22	3.38	3.36	3.24	3.11
13	E	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	0.00	0.00	0.00
	R	3.00	3.27	3.46	3.42	3.38	3.61	3.52	3.58	3.41	3.48	3.43	3.48	3.53	3.32	3.50	3.67	3.51
14	E	0.00	0.00	0.00	0.00	0.00	22.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	4.63	4.65	4.67	4.49	4.28	4.06	3.76	3.52	3.51	3.41	3.30	3.12	2.90	2.90	2.98	2.84	2.85
15	E	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	0.00	0.00	0.00
	R	2.36	2.26	2.23	2.36	2.24	2.14	2.08	2.05	1.95	1.85	1.78	1.76	1.88	1.98	1.62	1.63	1.87
16	E	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	0.00	0.00	0.00
	R	4.67	4.89	4.94	5.00	5.10	4.90	4.78	4.75	4.73	4.62	4.63	4.59	4.62	4.65	4.85	4.80	4.64
17	E	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	0.00	0.00	0.00
	R	4.32	4.34	4.30	4.25	4.62	4.53	4.51	4.50	4.42	4.27	4.26	4.17	4.05	4.04	4.41	4.01	4.05

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Netherlands should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Netherlands actually produced. An *ESR* > *RSR* means that Netherlands had a Comparative Advantage in the relative sector.

Table 14: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Poland*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	8.95	8.81	8.39	8.84	8.70	8.36	8.86	9.12	9.67	8.83	9.08	8.87	8.83	9.03	9.12	8.67	8.04
2	E	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	0.00	0.00	0.00
	R	10.32	10.85	10.78	9.75	10.05	9.84	9.52	9.13	8.83	8.07	8.29	8.43	8.40	8.52	9.28	9.15	9.00
3	E	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48	0.00	18.68
	R	3.80	4.46	4.92	5.11	4.81	5.10	5.66	5.57	5.84	6.13	6.54	7.63	8.58	9.26	9.05	9.46	9.88
4	E	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	0.00	0.00	0.00
	R	2.05	2.21	2.35	2.38	2.21	2.06	2.13	2.30	2.41	2.63	2.52	3.05	3.53	3.87	4.08	4.06	4.53
5	E	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	0.00	0.00	0.00
	R	1.52	1.77	1.77	1.53	1.68	1.49	1.51	1.65	1.63	1.70	1.59	1.88	2.14	2.44	2.73	2.78	3.28
6	E	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	0.00	0.00	0.00
	R	3.50	4.05	4.31	4.48	4.65	5.03	4.96	4.89	5.05	5.64	5.85	6.73	7.64	8.75	9.58	10.62	11.41
7	E	81.81	75.67	99.99	99.99	100.00	99.99	91.78	100.00	100.00	99.99	59.00	50.80	51.27	54.17	63.15	36.26	22.78
	R	2.08	2.20	2.40	2.58	2.71	3.07	3.39	3.53	3.53	3.58	3.74	4.31	4.86	5.28	5.48	5.66	6.33
8	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	2.59	3.06	2.45	3.22	3.69	5.59	5.17	4.27	5.03	7.43	7.17	7.67	8.75	8.66	7.80	8.42	7.96
9	E	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	0.00	0.00	0.00
	R	1.65	1.69	1.81	1.74	1.66	1.80	1.89	1.96	2.21	2.31	2.43	2.83	3.10	3.34	3.38	3.67	3.72
10	E	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.09	9.41	7.41	73.49	86.59	96.86	94.34	99.89	99.98	0.08
	R	2.15	2.42	2.64	2.82	3.01	3.25	3.50	3.84	4.37	4.52	4.90	5.56	6.21	6.70	7.08	7.54	8.32
11	E	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	0.00	0.00	0.00
	R	2.39	2.79	3.11	3.41	3.55	3.83	3.87	4.03	4.14	4.35	4.41	5.01	5.69	6.31	7.17	7.82	8.91
12	E	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	0.00	0.00	0.00
	R	1.63	1.77	1.92	1.91	1.78	1.88	1.83	1.95	2.23	2.75	2.69	3.02	3.34	3.67	4.09	4.34	4.92
13	E	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	0.00	0.00	0.00
	R	1.22	1.39	1.46	1.41	1.33	1.36	1.40	1.42	1.57	1.67	1.98	2.20	2.37	2.52	2.87	2.55	2.15
14	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.39	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	1.27	1.42	1.54	1.64	1.65	1.54	1.63	1.79	1.95	2.01	2.09	2.28	2.45	2.63	2.83	2.97	2.61
15	E	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	0.00	0.00	0.00
	R	1.03	1.24	1.43	1.51	1.52	1.66	1.50	1.46	1.81	2.42	2.48	2.81	3.05	3.38	3.90	3.66	4.03
16	E	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	0.00	0.00	0.00
	R	2.03	2.25	2.78	2.79	2.79	2.66	2.86	2.94	3.86	4.37	4.29	5.00	5.64	6.04	6.57	6.27	7.31
17	E	2.70	37.91	12.53	8.50	14.77	32.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	7.96	7.56	7.93	7.38	8.04	8.71	8.78	8.09	7.73	8.00	8.15	7.58	7.58	7.65	7.48	7.69	7.80

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Poland should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Poland actually produced. An *ESR* > *RSR* means that Poland had a Comparative Advantage in the relative sector.

Table 15: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Portugal*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	2.37	2.46	2.29	2.16	2.29	2.18	2.18	2.24	2.27	2.26	2.25	2.29	2.39	2.38	2.30	2.39	2.24
2	E	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	0.00	0.00	0.00
	R	0.58	0.61	0.68	0.70	0.73	0.73	0.88	0.86	0.82	0.84	0.93	0.71	0.81	0.79	0.84	0.77	0.70
3	E	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	0.00	0.00	0.00
	R	2.52	2.42	2.33	2.18	1.91	2.03	1.96	1.85	1.79	1.83	1.88	2.03	2.20	2.23	2.11	2.31	2.24
4	E	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	0.00	0.00	0.00
	R	5.90	5.79	5.99	6.00	5.28	5.36	5.52	5.08	5.04	5.13	4.97	4.62	4.43	4.57	4.64	4.54	4.51
5	E	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	0.00	0.00	0.00
	R	7.32	7.25	7.09	6.76	6.59	6.33	5.89	5.91	5.64	5.48	5.34	5.00	4.89	5.26	5.66	5.71	5.44
6	E	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	0.00	0.00	0.00
	R	3.17	3.22	3.66	3.70	3.06	3.33	3.23	3.09	3.14	3.01	2.98	2.70	2.68	2.89	3.05	2.78	2.61
7	E	18.19	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	0.00	0.00
	R	1.61	1.59	1.53	1.47	1.38	1.28	1.35	1.27	1.36	1.35	1.35	1.42	1.44	1.47	1.47	1.45	1.39
8	E	0.02	0.00	0.00	0.61	0.00	0.06	99.98	99.93	99.97	99.93	0.04	0.00	0.00	0.00	0.00	0.00	0.00
	R	2.11	2.59	2.72	1.09	2.46	3.34	3.23	10.24	8.21	3.29	2.11	1.37	1.37	1.27	1.11	0.87	0.58
9	E	20.21	40.06	45.98	47.17	48.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	0.82	0.82	0.88	0.91	0.87	0.88	0.78	0.77	0.77	0.80	0.83	0.82	0.82	0.83	0.81	0.75	0.70
10	E	0.00	0.00	0.00	0.00	0.00	64.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	0.95	0.92	0.95	1.01	1.07	1.20	1.19	1.05	1.10	1.12	1.22	1.11	1.10	1.12	1.14	1.04	0.93
11	E	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	0.00	0.00	0.00
	R	2.14	2.31	2.46	2.46	2.38	2.47	2.60	2.56	2.45	2.45	2.43	2.44	2.46	2.57	2.82	2.83	2.72
12	E	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	0.00	0.00	0.00
	R	0.77	0.70	0.76	0.76	0.72	0.80	0.80	0.81	0.82	0.85	0.85	0.85	0.93	0.96	1.03	0.94	0.83
13	E	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	0.00	0.00	0.00
	R	0.55	0.53	0.59	0.60	0.57	0.59	0.58	0.60	0.58	0.57	0.55	0.50	0.51	0.51	0.56	0.50	0.43
14	E	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	0.00	0.00	0.00
	R	0.64	0.63	0.59	0.64	0.74	0.72	0.73	0.88	0.93	0.89	0.90	0.69	0.65	0.66	0.68	0.57	0.51
15	E	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	0.00	0.00	0.00
	R	0.46	0.87	0.91	0.84	0.69	0.63	0.60	0.65	0.68	0.63	0.62	0.60	0.55	0.57	0.64	0.54	0.50
16	E	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	0.00	0.00	0.00
	R	1.89	1.81	1.82	1.97	1.68	1.72	1.69	1.54	1.56	1.59	1.51	1.41	1.39	1.40	1.47	1.42	1.33
17	E	0.00	0.00	0.00	0.00	0.00	0.03	91.79	94.04	92.94	94.32	97.54	90.38	93.79	96.15	95.90	94.17	91.54
	R	1.53	1.43	1.48	1.55	1.87	2.17	2.24	2.20	2.20	2.22	2.48	2.56	2.92	2.78	2.83	2.76	2.67

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Portugal should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Portugal actually produced. An *ESR* > *RSR* means that Portugal had a Comparative Advantage in the relative sector.

Table 16: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Spain*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	2.55	40.53	42.98	43.86	44.61	48.43	18.93	13.18	51.09	43.77	13.82	47.52	50.75	48.30	0.00	0.04	0.03
	R	12.80	14.09	14.49	14.58	13.90	14.51	14.40	14.37	14.86	13.70	12.72	13.82	14.73	13.91	13.58	14.43	13.67
2	E	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	0.00	0.00	0.00
	R	3.30	3.23	3.54	3.28	3.56	3.29	3.67	3.74	4.08	4.14	4.35	4.58	4.54	4.33	3.71	3.74	3.82
3	E	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	4.64	0.00	0.00	0.00	0.01	0.00	0.00	0.00
	R	11.65	11.37	11.67	11.85	11.57	11.50	12.12	12.15	12.01	12.41	12.51	11.89	11.69	11.62	12.17	12.02	11.66
4	E	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	0.00	0.00	0.00
	R	8.59	8.75	9.26	9.10	9.54	9.57	9.53	9.72	10.00	9.68	9.98	9.98	9.36	9.27	8.50	7.95	7.65
5	E	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	0.00	0.00	0.00
	R	13.75	14.35	15.01	15.71	14.62	13.56	13.33	13.40	13.30	13.18	12.84	12.30	11.69	12.50	12.20	11.70	12.11
6	E	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	0.00	0.00	0.00
	R	7.75	7.82	7.93	8.31	8.53	9.07	9.16	9.09	9.04	8.65	8.80	8.70	8.35	8.43	7.57	6.97	6.49
7	E	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	0.00	0.00	0.00
	R	7.55	7.46	7.28	7.50	7.29	7.74	7.95	8.26	8.26	8.24	8.51	8.42	8.18	7.87	8.16	7.55	7.50
8	E	0.00	0.00	0.00	0.01	0.00	99.78	0.00	0.00	0.00	0.02	99.92	99.97	99.97	0.00	0.00	0.00	0.00
	R	7.98	10.59	7.84	9.49	12.95	11.73	10.28	8.79	8.01	8.06	9.61	11.42	13.98	12.95	11.87	14.46	14.48
9	E	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	0.00	0.00	0.00
	R	7.05	7.02	6.81	7.32	6.98	6.93	7.05	6.84	6.97	6.73	7.02	6.99	6.98	6.91	7.54	7.24	7.28
10	E	0.00	0.00	0.00	0.00	0.00	0.00	93.71	99.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	6.94	6.96	6.93	7.33	7.31	7.61	8.11	8.24	8.22	7.87	8.16	7.46	7.39	7.83	7.80	7.10	6.69
11	E	0.00	0.00	0.00	0.00	0.00	0.00	31.32	34.31	0.00	0.01	36.08	0.02	0.00	0.03	0.00	0.01	99.97
	R	10.13	9.83	10.45	11.20	11.64	12.12	13.93	14.18	14.23	14.38	15.41	15.47	15.47	15.09	13.97	13.39	11.79
12	E	56.93	0.00	0.01	0.00	0.00	0.00	0.00	1.60	0.00	0.00	31.29	0.01	0.00	0.30	68.05	61.43	31.21
	R	7.65	7.76	7.78	7.98	8.58	8.89	9.04	9.39	9.41	9.72	9.83	9.91	9.96	9.77	9.34	8.65	7.93
13	E	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	0.00	0.00	0.00
	R	3.94	4.25	4.33	4.63	4.83	4.67	5.02	5.22	5.12	5.12	4.85	4.93	4.71	4.73	4.95	4.15	3.93
14	E	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	0.00	0.00	0.00
	R	5.42	5.66	5.45	5.54	5.23	4.95	5.29	5.15	5.09	4.91	4.86	4.71	4.51	4.47	4.16	3.49	2.99
15	E	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	0.00	0.00	0.00
	R	8.80	8.64	8.81	8.73	8.67	9.20	8.83	9.09	9.17	8.85	8.51	8.53	8.48	8.13	7.93	6.91	6.50
16	E	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	0.00	0.00	0.00
	R	9.08	9.46	9.53	9.87	9.99	10.18	10.36	10.66	11.07	11.43	11.44	11.37	11.19	10.99	10.97	9.84	8.90
17	E	0.00	0.00	0.00	0.00	0.00	0.00	0.69	5.95	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	4.94	4.95	5.18	5.20	6.05	7.07	7.57	7.74	7.82	7.87	8.33	9.10	8.88	9.19	9.59	9.34	9.63

*The ESR is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Spain should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their n -dimensional $NPPF$. The RSR is the share of European gross output that Spain actually produced. An $ESR > RSR$ means that Spain had a Comparative Advantage in the relative sector.

Table 17: Percentage Efficient Specialization Ratio (E) and Real Specialization Ratio (R) in Sweden*

Sector	E/R	Year																
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	E	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	0.00	0.00	0.00
	R	2.10	2.06	2.07	2.05	2.03	2.08	2.14	2.10	2.20	2.14	2.18	2.23	2.27	2.18	2.12	2.33	2.42
2	E	0.00	0.00	0.01	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
	R	1.40	1.35	1.52	1.56	1.59	1.53	1.48	1.55	1.74	1.84	1.91	1.87	2.01	1.88	1.79	3.90	3.77
3	E	0.04	22.95	2.50	22.30	17.59	0.04	0.00	21.41	20.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	2.25	2.25	2.20	2.20	2.15	2.10	2.09	2.11	2.05	2.06	2.06	2.08	1.97	1.96	2.09	2.28	2.26
4	E	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	0.00	0.00	0.00
	R	0.71	0.69	0.64	0.64	0.62	0.63	0.62	0.65	0.66	0.66	0.64	0.64	0.70	0.66	0.64	0.74	0.87
5	E	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	0.00	0.00	0.00
	R	0.32	0.29	0.29	0.27	0.27	0.28	0.28	0.30	0.31	0.34	0.37	0.38	0.38	0.34	0.00	0.00	0.00
6	E	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	0.00	0.00	0.00
	R	6.53	6.66	6.66	6.84	6.79	6.87	6.90	6.88	6.96	6.86	7.55	7.37	7.21	7.33	7.19	7.81	7.76
7	E	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	0.00	0.00	0.00
	R	6.50	6.40	6.32	6.27	6.00	6.02	5.76	5.96	6.16	6.11	6.08	5.99	5.71	5.67	5.88	6.55	6.75
8	E	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	0.00	0.00	0.00
	R	2.93	3.74	2.83	4.11	3.62	3.51	3.35	3.10	3.33	3.51	3.52	3.38	3.06	3.36	3.36	2.57	2.28
9	E	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	0.00	0.00	0.00
	R	2.11	2.11	2.17	2.27	2.29	2.27	2.32	2.51	2.62	2.55	2.63	2.70	2.46	2.32	2.45	2.49	2.60
10	E	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	0.00	0.00	0.00
	R	2.11	2.20	2.26	2.27	2.21	2.13	2.04	1.99	2.02	1.87	1.80	1.81	1.79	1.69	1.57	1.69	1.84
11	E	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	0.00	0.00	0.00
	R	1.63	1.56	1.50	1.51	1.43	1.48	1.53	1.56	1.46	1.46	1.55	1.61	1.71	1.83	1.84	2.10	2.50
12	E	0.00	0.00	0.01	0.00	0.00	24.14	20.30	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	3.83	3.77	3.95	3.81	3.74	3.86	3.68	3.72	3.60	3.63	3.65	3.56	3.55	3.51	2.88	3.20	3.26
13	E	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	0.00	0.00	0.00
	R	3.99	3.83	3.86	3.87	3.87	3.80	3.83	4.04	4.03	3.98	4.17	4.17	4.27	4.16	3.33	4.24	4.63
14	E	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.02	0.05	28.14	32.20	32.08	32.28	32.87	33.83	38.45	40.69
	R	2.48	2.95	3.27	3.64	4.02	4.17	4.08	3.87	3.54	3.75	3.94	3.99	4.02	4.27	4.62	4.74	5.14
15	E	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	0.00	0.00	0.00
	R	3.82	3.57	3.49	3.55	3.61	3.87	3.77	3.88	4.14	4.29	4.32	4.20	4.18	3.90	3.25	4.56	5.37
16	E	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	0.00	0.00	0.00
	R	2.41	2.31	2.33	2.55	2.51	2.65	2.60	2.54	2.54	2.70	2.43	2.40	2.62	2.45	2.32	2.40	2.32
17	E	97.29	0.00	87.45	0.01	23.71	0.01	7.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	R	3.65	3.58	3.55	3.49	3.79	3.54	3.67	3.55	3.44	3.53	3.39	3.14	3.32	3.14	3.33	3.93	4.03

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that Sweden should have produced in order to realize the efficient specialization pattern, that is to say the pattern of specialization that would have placed the set of European countries considered here on their *n*-dimensional *NPPF*. The *RSR* is the share of European gross output that Sweden actually produced. An *ESR* > *RSR* means that Sweden had a Comparative Advantage in the relative sector.

2 Comparative Advantages ranking

The following Tables present the Efficient Specialization Ratio—see eq. 1.1—in another perspective. A Table represents a sector and in each column are reported the countries with the highest *ESR*. Presenting the data in this way allow to identify rapidly the countries that should have played a leading role in specific sectors.

Aside the value in the *ESR*, a sign +, - or = has been reported in Tables 19-34. The sign specifies whether the country should have improved (+), lowered (-), or kept more or less constant (=) the net product. If the distance between the *ESR* and the *RSR* has been lower than the 20% of the *RSR*, the country has been considered to be close to its CA and an equals sign has been reported.

The results tend to be similar to those in ?, although some differences emerge. For example, Sector 1 is still dominated by France and Spain, but in this case Spain occupies the first position much more frequently. Another example is Sector 10—Rubber and Plastics—, in which Poland is a dominant country here during the period 2005-2010, a result that did not emerge in ?.

Table 18: Ranking of the Efficient Specialization Ratio (E) in Agriculture, Hunting, Forestry and Fishing*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	FRA	FRA	ESP	ESP	ESP	ESP	FRA	FRA	ESP	ESP	FRA	ESP	ESP	ESP	FRA	FRA	FRA
	68.37+	58.55+	42.98+	43.86+	44.61+	48.43+	69.39+	71.76+	51.09+	43.77+	54.79+	47.52+	50.75+	48.30+	78.49+	82.77+	79.53+
2	NLD	ESP	FRA	FRA	FRA	FRA	ESP	CZE	FRA	FRA	CZE	FRA	FRA	FRA	CZE	CZE	CZE
	13.19+	40.53+	31.58+	40.25+	35.65+	23.98+	18.93+	15.06+	27.22+	36.32+	17.18+	34.71+	29.04+	37.07+	15.22+	12.72+	15.35+
3	CZE	DNK	NLD	CZE	CZE	CZE	ESP	CZE	CZE	CZE	ESP	CZE	CZE	CZE	DNK	DNK	DNK
	11.93+	0.92-	14.89+	12.87+	13.16+	14.07+	11.68+	13.18=	16.13+	15.50+	13.82=	16.98+	14.92+	14.63+	6.29+	4.47+	5.09+
4	GBR	CZE	CZE	NLD	NLD	NLD	NLD	DNK	DNK	DNK	HUN	DNK	DNK	HUN	NLD	ESP	ESP
	3.26-	0.00-	10.54+	3.02-	6.30=	13.49+	0.00-	0.00-	5.55+	4.40+	8.90+	0.79-	5.30+	0.00-	0.00-	0.04-	0.03-
5	ESP	NLD	DNK	DNK	DNK	DNK	DNK	BEL	NLD	HUN	DNK	GBR	HUN	DNK	DEU	NLD	DEU
	2.55-	0.00-	0.00-	0.00-	0.28-	0.03-	0.00-	0.00-	0.00-	0.00-	5.31+	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
6	DNK	BEL	BEL	GBR	DEU	DEU	DEU	NLD	DEU	DEU	NLD	HUN	SWE	DEU	BEL	BEL	NLD
	0.71-	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-	0.00-	0.00-
7	BEL	DEU	DEU	DEU	BEL	GBR	GBR	GBR	GBR	SWE	GBR	NLD	GBR	NLD	HUN	DEU	BEL
	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-	0.00-	0.00-	0.00-
8	DEU	GBR	GBR	SWE	GBR	BEL	SWE	DEU	SWE	NLD	DEU	DEU	DEU	SWE	ITA	SWE	HUN
	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-	0.00-	0.00-	0.00-
9	SWE	SWE	SWE	BEL	SWE	SWE	BEL	SWE	BEL	GBR	BEL	SWE	NLD	ITA	SWE	ITA	ITA
	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-	0.00-	0.00-	0.00-
10	FIN	ITA	FIN	ITA	ITA	ITA	ITA	HUN	ITA	BEL	ITA	BEL	ITA	GBR	GBR	HUN	SWE
	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-	0.00-	0.00-	0.00-
11	ITA	FIN	ITA	FIN	FIN	HUN	HUN	ITA	HUN	ITA	SWE	ITA	POL	BEL	ESP	GBR	GBR
	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-	0.00-	0.00-	0.00-
12	POL	PRT	POL	GRC	GRC	FIN	FIN	PRT	POL	PRT	POL	PRT	BEL	POL	POL	GRC	GRC
	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-	0.00-	0.00-	0.00-
13	GRC	POL	GRC	POL	HUN	PRT	POL	POL	FIN	POL	GRC	POL	GRC	PRT	GRC	FIN	FIN
	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-	0.00-	0.00-	0.00-
14	PRT	IRL	PRT	HUN	PRT	GRC	GRC	FIN	GRC	FIN	PRT	AUT	PRT	GRC	FIN	POL	POL
	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-	0.00-	0.00-	0.00-
15	AUT	AUT	HUN	PRT	POL	POL	AUT	GRC	AUT	GRC	AUT	FIN	AUT	FIN	AUT	AUT	AUT
	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-	0.00-	0.00-	0.00-
16	IRL	GRC	AUT	AUT	AUT	AUT	PRT	AUT	IRL	AUT	FIN	GRC	FIN	AUT	PRT	PRT	PRT
	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-	0.00-	0.00-	0.00-
17	HUN	HUN	IRL	IRL	IRL	IRL	IRL	IRL	PRT	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 19: Ranking of the Efficient Specialization Ratio (E) in Mining and Quarrying*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	NLD	DNK	DNK	DNK	DNK	DNK	DNK	DNK	DNK	DNK	DNK	DNK	DNK	DNK	DNK	DNK	DNK
	100.00+	99.97+	99.53+	99.98+	99.98+	99.99+	100.00+	100.00+	99.99+	99.99+	99.99+	100.00+	100.00+	99.95+	99.95+	100.00+	99.97+
2	DNK	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD
	0.00-	0.03-	0.37-	0.01-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.03-	0.04-	0.00-	0.02-
3	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR
	0.00-	0.00-	0.03-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-
4	BEL	FRA	FRA	FRA	SWE	SWE	AUT	ITA	ITA	SWE	AUT	ITA	GRC	ITA	AUT	AUT	AUT
	0.00-	0.00-	0.01-	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-
5	FRA	ITA	SWE	ITA	ITA	ITA	SWE	AUT	AUT	AUT	ITA	AUT	AUT	AUT	AUT	BEL	ITA
	0.00-	0.00-	0.01-	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-
6	SWE	SWE	ITA	FIN	BEL	AUT	ITA	GRC	DEU	ITA	SWE	SWE	ITA	ESP	ITA	SWE	ITA
	0.00-	0.00-	0.01-	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-
7	ITA	POL	FIN	GRC	POL	BEL	BEL	SWE	SWE	DEU	BEL	BEL	SWE	DEU	DEU	BEL	BEL
	0.00-	0.00-	0.01-	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-
8	POL	AUT	POL	SWE	AUT	POL	FRA	FRA	FRA	FRA	GRC	ESP	BEL	GRC	HUN	GRC	DEU
	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-	0.00-	0.00-	0.00-
9	DEU	FIN	AUT	POL	FIN	FIN	ESP	ESP	ESP	PRT	ESP	DEU	ESP	BEL	GRC	DEU	FIN
	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-	0.00-	0.00-	0.00-
10	FIN	BEL	BEL	DEU	GRC	GRC	PRT	DEU	GRC	GRC	PRT	HUN	FRA	SWE	SWE	ESP	GRC
	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-	0.00-	0.00-	0.00-
11	AUT	PRT	ESP	AUT	ESP	FRA	GRC	POL	BEL	BEL	POL	CZE	DEU	FRA	ESP	FIN	HUN
	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-	0.00-	0.00-	0.00-
12	GRC	DEU	DEU	PRT	FRA	DEU	FIN	BEL	FIN	ESP	DEU	IRL	POL	CZE	FIN	POL	ESP
	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-	0.00-	0.00-	0.00-
13	PRT	ESP	PRT	ESP	PRT	PRT	DEU	PRT	POL	FIN	FRA	FIN	HUN	HUN	POL	CZE	POL
	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-	0.00-	0.00-	0.00-
14	ESP	IRL	GRC	BEL	DEU	ESP	POL	FIN	IRL	CZE	CZE	GRC	CZE	POL	FRA	FRA	FRA
	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-	0.00-	0.00-	0.00-
15	IRL	GRC	IRL	IRL	IRL	CZE	CZE	CZE	PRT	POL	IRL	PRT	IRL	FIN	CZE	HUN	PRT
	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-	0.00-	0.00-	0.00-
16	CZE	CZE	CZE	CZE	CZE	IRL	HUN	IRL	CZE	IRL	HUN	FRA	PRT	PRT	PRT	PRT	CZE
	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-	0.00-	0.00-	0.00-
17	HUN	HUN	HUN	HUN	HUN	HUN	IRL	HUN	HUN	HUN	FIN	POL	FIN	IRL	IRL	IRL	IRL
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 20: Ranking of the Efficient Specialization Ratio (E) in Food, Beverages and Tobacco*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	DEU	GBR	GBR	NLD	GBR	ITA	NLD	NLD	NLD	ITA	ITA	ITA	ITA	ITA	NLD	ITA	POL
	76.86+	31.50+	42.49+	35.65+	44.54+	62.74+	47.32+	46.31+	45.50+	49.53+	54.26+	54.80+	54.86+	52.85+	40.32+	80.12+	56.76+
2	HUN	HUN	ITA	GBR	NLD	GBR	GBR	GBR	ITA	NLD	NLD	NLD	NLD	NLD	ITA	POL	ITA
	23.10+	24.83+	21.47+	24.52+	37.84+	37.20+	36.96+	27.75+	33.87+	45.82+	45.73+	45.20+	45.14+	43.65+	38.57+	18.68+	28.60+
3	SWE	SWE	HUN	SWE	SWE	SWE	ITA	SWE	SWE	ESP	ESP	GBR	POL	POL	GRC	NLD	GRC
	0.04-	22.95+	20.50+	22.30+	17.59+	0.04-	15.71+	21.41+	20.63+	4.64-	0.00-	0.00-	0.00-	3.48-	16.84+	1.13-	9.32+
4	ITA	NLD	NLD	HUN	ITA	HUN	ESP	ITA	GBR	GBR	GBR	POL	ESP	ESP	BEL	GRC	NLD
	0.00-	20.73+	13.02+	17.49+	0.01-	0.01-	0.00-	4.37-	0.00-	0.01-	0.00-	0.00-	0.00-	0.01-	4.26+	0.05-	4.98-
5	GBR	ITA	SWE	POL	HUN	NLD	SWE	ESP	ESP	PRT	BEL	PRT	GBR	GBR	POL	BEL	GBR
	0.00-	0.00-	2.50=	0.03-	0.01-	0.00-	0.00-	0.15-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.34-
6	PRT	BEL	POL	ITA	BEL	CZE	CZE	PRT	BEL	SWE	POL	ESP	SWE	CZE	AUT	GBR	BEL
	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-	0.00-	0.00-	0.00-
7	BEL	POL	BEL	BEL	POL	ESP	DNK	CZE	DEU	POL	SWE	BEL	FRA	BEL	GBR	AUT	SWE
	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-	0.00-	0.00-	0.00-
8	CZE	DEU	DEU	PRT	GRC	DEU	DEU	POL	FRA	HUN	DEU	FRA	GRC	SWE	SWE	SWE	ESP
	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-	0.00-	0.00-	0.00-
9	ESP	PRT	PRT	ESP	CZE	BEL	FRA	HUN	GRC	DEU	AUT	CZE	HUN	PRT	ESP	ESP	AUT
	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-	0.00-	0.00-	0.00-
10	NLD	DNK	DNK	DEU	ESP	PRT	POL	BEL	POL	FRA	FRA	SWE	CZE	GRC	PRT	CZE	DEU
	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-	0.00-	0.00-	0.00-
11	AUT	CZE	CZE	CZE	DEU	FRA	BEL	DNK	AUT	CZE	PRT	HUN	DNK	AUT	CZE	PRT	PRT
	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-	0.00-	0.00-	0.00-
12	POL	ESP	ESP	DNK	PRT	POL	HUN	FRA	PRT	AUT	HUN	DNK	BEL	DNK	FRA	DEU	FIN
	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-	0.00-	0.00-	0.00-
13	DNK	AUT	GRC	GRC	FRA	DNK	GRC	DEU	DNK	DNK	DNK	DEU	PRT	FRA	DEU	FRA	FRA
	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-	0.00-	0.00-	0.00-
14	GRC	FRA	FRA	FRA	AUT	GRC	PRT	AUT	CZE	BEL	CZE	AUT	DEU	DEU	DNK	DNK	CZE
	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-	0.00-	0.00-	0.00-
15	FIN	GRC	FIN	FIN	FIN	AUT	AUT	GRC	HUN	FIN	GRC	GRC	AUT	IRL	IRL	FIN	HUN
	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-	0.00-	0.00-	0.00-
16	FRA	FIN	AUT	AUT	DNK	FIN	FIN	FIN	FIN	IRL	IRL	FIN	IRL	HUN	FIN	IRL	IRL
	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-	0.00-	0.00-	0.00-
17	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	GRC	FIN	IRL	FIN	FIN	HUN	HUN	DNK
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 21: Ranking of the Efficient Specialization Ratio (E) in Textiles and Textile Production*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	GBR	DEU	DEU	DEU	DEU	DEU	DEU	DEU	GBR	GBR	GBR	GBR	FRA	FRA	DEU	DEU	DEU
	100.00+	65.42+	99.95+	99.99+	98.97+	98.59+	99.99+	80.78+	99.99+	99.99+	99.95+	99.96+	100.00+	99.99+	97.63+	99.99+	87.51+
2	DEU	GBR	DNK	DNK	DNK	DNK	DNK	DNK	FRA	DEU	DEU	FRA	GBR	ESP	GBR	GBR	GBR
	0.00-	34.57+	0.03-	0.00-	1.02+	1.40+	0.00-	19.07+	0.00-	0.00-	0.03-	0.04-	0.00-	0.00-	2.36-	0.00-	12.49+
3	BEL	BEL	BEL	BEL	BEL	GBR	FRA	FRA	DEU	DNK	FRA	DNK	DNK	DNK	FRA	FRA	ITA
	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.14-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
4	ITA	DNK	GBR	GBR	ITA	ITA	GBR	GBR	DNK	FRA	DNK	DEU	DEU	ITA	DNK	ITA	NLD
	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
5	AUT	ITA	AUT	ITA	GBR	AUT	ITA	ITA	ITA	ITA	ITA	ITA	ITA	BEL	ITA	BEL	BEL
	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-	0.00-	0.00-	0.00-
6	DNK	AUT	ITA	NLD	AUT	FRA	BEL	BEL	BEL	BEL	NLD	BEL	ESP	DEU	BEL	AUT	AUT
	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-	0.00-	0.00-	0.00-
7	ESP	NLD	NLD	AUT	NLD	NLD	AUT	AUT	NLD	AUT	ESP	ESP	BEL	CZE	ESP	NLD	ESP
	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-	0.00-	0.00-	0.00-
8	SWE	PRT	SWE	SWE	SWE	BEL	NLD	SWE	AUT	PRT	BEL	AUT	NLD	AUT	AUT	ESP	SWE
	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-	0.00-	0.00-	0.00-
9	NLD	ESP	ESP	ESP	FRA	SWE	SWE	ESP	GRC	ESP	AUT	NLD	AUT	NLD	NLD	DNK	GRC
	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-	0.00-	0.00-	0.00-
10	GRC	SWE	PRT	PRT	ESP	ESP	ESP	NLD	ESP	NLD	SWE	SWE	SWE	GBR	CZE	CZE	PRT
	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-	0.00-	0.00-	0.00-
11	FIN	FRA	FRA	FRA	GRC	PRT	PRT	PRT	SWE	SWE	PRT	CZE	CZE	PRT	GRC	SWE	DNK
	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-	0.00-	0.00-	0.00-
12	PRT	FIN	GRC	GRC	PRT	GRC	GRC	GRC	PRT	CZE	GRC	PRT	GRC	SWE	SWE	GRC	POL
	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-	0.00-	0.00-	0.00-
13	FRA	GRC	FIN	FIN	FIN	HUN	HUN	HUN	HUN	HUN	HUN	GRC	POL	GRC	PRT	PRT	CZE
	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-	0.00-	0.00-	0.00-
14	CZE	POL	POL	HUN	HUN	FIN	FIN	FIN	FIN	GRC	CZE	HUN	PRT	POL	POL	POL	FIN
	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-	0.00-	0.00-	0.00-
15	POL	CZE	HUN	CZE	CZE	CZE	CZE	CZE	CZE	FIN	FIN	POL	HUN	FIN	FIN	FIN	HUN
	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-	0.00-	0.00-	0.00-
16	HUN	HUN	CZE	POL	POL	POL	POL	POL	POL	POL	POL	FIN	IRL	HUN	HUN	HUN	IRL
	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-	0.00-	0.00-	0.00-
17	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	FIN	IRL	IRL	IRL	FRA
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 22: Ranking of the Efficient Specialization Ratio (E) in Leather, Leather and Footwear*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	DNK	DNK	DNK	DNK	DNK	DNK	DNK	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR
	99.99+	99.99+	99.96+	67.96+	99.97+	99.97+	84.27+	99.70+	99.97+	99.97+	99.96+	99.99+	99.99+	99.97+	99.96+	99.98+	99.97+
2	ITA	ITA	GBR	ITA	ITA	ITA	ITA	DNK	DNK	DNK	ITA	ITA	DNK	DNK	ITA	NLD	ITA
	0.00-	0.00-	0.01-	31.99-	0.01-	0.01-	15.71-	0.27+	0.01-	0.01-	0.02-	0.00-	0.00-	0.00-	0.01-	0.00-	0.01-
3	DEU	DEU	DEU	DEU	DEU	DEU	GBR	ITA	DEU	ITA	DEU	DNK	DEU	ITA	GRC	DEU	DEU
	0.00-	0.00-	0.01-	0.03-	0.01-	0.00-	0.01-	0.01-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-
4	ESP	GBR	ITA	GBR	BEL	FRA	DEU	DEU	AUT	AUT	DNK	DEU	IRL	ESP	NLD	GRC	NLD
	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
5	GBR	AUT	ESP	ESP	GBR	AUT	FRA	AUT	ITA	DEU	AUT	IRL	ITA	GRC	DNK	AUT	GRC
	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-	0.00-	0.00-	0.00-
6	BEL	ESP	AUT	SWE	FRA	GBR	AUT	FRA	FRA	PRT	ESP	HUN	FRA	CZE	AUT	ITA	AUT
	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-	0.00-	0.00-	0.00-
7	AUT	PRT	PRT	AUT	AUT	ESP	ESP	PRT	BEL	ESP	FRA	FRA	HUN	FRA	DEU	ESP	ESP
	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-	0.00-	0.00-	0.00-
8	PRT	BEL	SWE	FRA	ESP	SWE	SWE	ESP	SWE	BEL	NLD	ESP	GRC	NLD	ESP	DNK	HUN
	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-	0.00-	0.00-	0.00-
9	SWE	IRL	BEL	PRT	PRT	PRT	BEL	SWE	GRC	FRA	BEL	AUT	ESP	DEU	CZE	BEL	IRL
	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-	0.00-	0.00-	0.00-
10	IRL	SWE	FRA	BEL	GRC	NLD	NLD	NLD	ESP	NLD	IRL	NLD	NLD	IRL	BEL	CZE	BEL
	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-	0.00-	0.00-	0.00-
11	GRC	FRA	GRC	NLD	SWE	GRC	PRT	GRC	NLD	SWE	BEL	BEL	AUT	IRL	IRL	PRT	PRT
	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-	0.00-	0.00-	0.00-
12	FRA	GRC	IRL	GRC	NLD	BEL	GRC	BEL	PRT	IRL	HUN	PRT	AUT	HUN	HUN	FRA	DNK
	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-	0.00-	0.00-	0.00-
13	FIN	NLD	FIN	FIN	FIN	IRL	IRL	FIN	IRL	HUN	PRT	SWE	SWE	PRT	PRT	HUN	CZE
	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-	0.00-	0.00-	0.00-
14	HUN	FIN	NLD	HUN	HUN	HUN	HUN	IRL	HUN	GRC	GRC	CZE	CZE	BEL	FRA	PRT	POL
	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-	0.00-	0.00-	0.00-
15	NLD	POL	POL	IRL	IRL	FIN	FIN	POL	FIN	POL	CZE	GRC	PRT	SWE	POL	POL	FRA
	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-	0.00-	0.00-	0.00-
16	POL	HUN	HUN	CZE	POL	POL	CZE	HUN	POL	FIN	POL	POL	POL	POL	FIN	FIN	FIN
	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-	0.00-	0.00-	0.00-
17	CZE	CZE	CZE	POL	CZE	CZE	POL	CZE	CZE	CZE	FIN	FIN	FIN	FIN	SWE	SWE	SWE
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 23: Ranking of the Efficient Specialization Ratio (E) in Wood and Products of Wood and Cork*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	BEL	GBR	GBR	GBR	GBR	DEU	BEL	DEU	DEU
	100.00+	99.99+	99.94+	99.98+	79.67+	99.97+	99.99+	99.99+	98.94+	99.99+	85.62+	75.75+	99.99+	99.95+	99.96+	99.94+	97.47+
2	BEL	BEL	DEU	DEU	DEU	DEU	DNK	BEL	GBR	BEL	BEL	DEU	BEL	GBR	DEU	BEL	BEL
	0.00-	0.00-	0.04-	0.00-	20.32=	0.01-	0.00-	0.00-	1.05-	0.00-	14.33+	24.02+	0.00-	0.02-	0.02-	0.05-	2.26-
3	AUT	DNK	BEL	BEL	BEL	BEL	BEL	DEU	DEU	DEU	DEU	BEL	DEU	BEL	GBR	GBR	GBR
	0.00-	0.00-	0.01-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.04-	0.23-	0.00-	0.01-	0.00-	0.00-	0.26-
4	DEU	AUT	AUT	DNK	AUT	AUT	DEU	AUT	AUT	AUT	AUT	AUT	AUT	AUT	AUT	AUT	SWE
	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-	0.00-	0.00-	0.00-
5	DNK	DEU	DNK	SWE	SWE	DNK	AUT	SWE	ITA	PRT	DNK	DNK	DNK	SWE	SWE	SWE	ITA
	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-	0.00-	0.00-	0.00-
6	ESP	SWE	POL	AUT	ITA	SWE	SWE	DNK	DNK	DNK	ITA	SWE	POL	ITA	ITA	ITA	AUT
	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-	0.00-	0.00-	0.00-
7	ITA	POL	SWE	NLD	POL	ITA	ITA	ESP	SWE	SWE	SWE	ITA	SWE	ESP	POL	POL	POL
	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-	0.00-	0.00-	0.00-
8	POL	ITA	ITA	ITA	DNK	POL	ESP	ITA	GRC	ITA	ESP	ESP	ITA	POL	ESP	ESP	ESP
	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-	0.00-	0.00-	0.00-
9	FIN	ESP	NLD	ESP	ESP	NLD	FIN	PRT	FRA	POL	POL	FRA	ESP	DNK	DNK	NLD	GRC
	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-	0.00-	0.00-	0.00-
10	GRC	NLD	ESP	PRT	NLD	ESP	NLD	FRA	ESP	ESP	NLD	PRT	FRA	FRA	NLD	CZE	NLD
	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-	0.00-	0.00-	0.00-
11	NLD	FIN	FIN	FIN	FIN	PRT	FRA	FIN	NLD	FRA	FRA	POL	GRC	PRT	FRA	DNK	FIN
	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-	0.00-	0.00-	0.00-
12	SWE	PRT	PRT	GRC	GRC	FIN	PRT	NLD	FIN	FIN	FIN	NLD	NLD	CZE	PRT	FRA	PRT
	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-	0.00-	0.00-	0.00-
13	PRT	GRC	GRC	POL	PRT	GRC	GRC	POL	PRT	NLD	PRT	FIN	FIN	NLD	GRC	GRC	DNK
	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-	0.00-	0.00-	0.00-
14	IRL	IRL	IRL	FRA	FRA	FRA	CZE	GRC	POL	CZE	HUN	CZE	PRT	GRC	CZE	FIN	FRA
	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-	0.00-	0.00-	0.00-
15	FRA	CZE	CZE	CZE	CZE	CZE	POL	CZE	HUN	HUN	CZE	HUN	CZE	FIN	FIN	PRT	HUN
	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-	0.00-	0.00-	0.00-
16	CZE	FRA	FRA	IRL	HUN	HUN	HUN	HUN	CZE	IRL	GRC	GRC	HUN	HUN	HUN	HUN	CZE
	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-	0.00-	0.00-	0.00-
17	HUN	HUN	HUN	HUN	IRL	IRL	IRL	IRL	IRL	GRC	IRL	IRL	IRL	IRL	IRL	IRL	IRL
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 24: Ranking of the Efficient Specialization Ratio (E) in Pulp, Paper, Paper, Printing and Publishing*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	POL	POL	POL	POL	POL	POL	POL	POL	POL	POL	POL	POL	POL	POL	POL	IRL	IRL
	81.81+	75.67+	99.99+	99.99+	100.00+	99.99+	91.78+	100.00+	100.00+	99.99+	59.00+	50.80+	51.27+	54.17+	63.15+	63.73+	77.21+
2	PRT	IRL	IRL	CZE	IRL	IRL	CZE	HUN	HUN	HUN	IRL	IRL	IRL	IRL	AUT	POL	POL
	18.19+	24.33+	0.00-	0.00-	0.00-	0.00-	8.21+	0.00-	0.00-	0.00-	40.99+	49.07+	48.73+	45.82+	29.12+	36.26+	22.78+
3	IRL	PRT	PRT	SWE	PRT	CZE	PRT	SWE	ITA	IRL	HUN	HUN	CZE	IRL	AUT	ITA	
	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.12-	0.00-	0.00-	7.72+	0.01-	0.00-	
4	ITA	ITA	CZE	PRT	CZE	HUN	HUN	CZE	SWE	PRT	ITA	PRT	GRC	AUT	ITA	ITA	AUT
	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-	0.00-	0.00-	0.00-
5	ESP	ESP	SWE	ITA	HUN	AUT	ITA	PRT	IRL	AUT	ESP	GBR	PRT	ITA	DEU	DEU	DEU
	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-	0.00-	0.00-	0.00-
6	AUT	SWE	HUN	IRL	ITA	ITA	FRA	AUT	GBR	ITA	AUT	ITA	ESP	FRA	CZE	CZE	PRT
	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-	0.00-	0.00-	0.00-
7	FIN	AUT	GBR	HUN	SWE	SWE	AUT	ESP	AUT	CZE	SWE	CZE	DNK	PRT	PRT	BEL	BEL
	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-	0.00-	0.00-	0.00-
8	BEL	BEL	FIN	GBR	FIN	PRT	DEU	ITA	GRC	SWE	DEU	FRA	CZE	DEU	BEL	SWE	SWE
	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-	0.00-	0.00-	0.00-
9	SWE	CZE	ITA	ESP	DEU	ESP	SWE	IRL	DEU	ESP	PRT	AUT	FRA	ESP	SWE	PRT	GBR
	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-	0.00-	0.00-	0.00-
10	CZE	GBR	ESP	FIN	AUT	BEL	IRL	BEL	ESP	GBR	GBR	SWE	BEL	HUN	ESP	ESP	ESP
	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-	0.00-	0.00-	0.00-
11	GBR	FIN	AUT	AUT	BEL	GBR	FIN	FRA	BEL	DEU	BEL	ESP	SWE	SWE	HUN	GBR	HUN
	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-	0.00-	0.00-	0.00-
12	GRC	DEU	BEL	DEU	ESP	DEU	GBR	GBR	PRT	BEL	FRA	DEU	AUT	GBR	FRA	FRA	GRC
	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-	0.00-	0.00-	0.00-
13	DEU	DNK	DEU	BEL	FRA	FRA	ESP	FIN	FRA	FRA	CZE	BEL	GBR	BEL	GBR	NLD	NLD
	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-	0.00-	0.00-	0.00-
14	FRA	GRC	GRC	FRA	GBR	FIN	BEL	DEU	CZE	FIN	DNK	FIN	DEU	DNK	GRC	GRC	FIN
	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-	0.00-	0.00-	0.00-
15	DNK	FRA	FRA	GRC	GRC	GRC	DNK	DNK	FIN	NLD	NLD	DNK	FIN	NLD	NLD	HUN	CZE
	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-	0.00-	0.00-	0.00-
16	HUN	HUN	DNK	NLD	NLD	NLD	GRC	NLD	NLD	DNK	FIN	NLD	NLD	FIN	DNK	FIN	FRA
	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-	0.00-	0.00-	0.00-
17	NLD	NLD	NLD	DNK	DNK	DNK	NLD	GRC	DNK	GRC	GRC	GRC	ITA	GRC	FIN	DNK	DNK
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 25: Ranking of the Efficient Specialization Ratio (E) in Coke, Refined Petroleum and Nuclear Fuel*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	HUN	CZE	CZE	HUN	HUN	ESP	PRT	PRT	PRT	PRT	ESP	ESP	ESP	AUT	NLD	NLD	NLD
	99.94+	99.98+	99.97+	99.26+	99.98+	99.78+	99.98+	99.93+	99.97+	99.93+	99.92+	99.97+	99.97+	99.96+	99.96+	99.99+	99.99+
2	CZE	DEU	HUN	PRT	ESP	PRT	ESP	CZE	CZE	ESP	PRT	PRT	GRC	GRC	CZE	ESP	SWE
	0.02-	0.01-	0.00-	0.61-	0.00-	0.06-	0.00-	0.06-	0.01-	0.02-	0.04-	0.00-	0.01-	0.01-	0.02-	0.00-	0.00-
3	PRT	PRT	PRT	CZE	CZE	HUN	GRC	ESP	GRC	CZE	HUN	CZE	HUN	CZE	AUT	GRC	GRC
	0.02-	0.00-	0.00-	0.11-	0.00-	0.06-	0.00-	0.00-	0.00-	0.01-	0.01-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-
4	ITA	ESP	DEU	ESP	POL	CZE	HUN	GRC	ESP	HUN	CZE	DEU	CZE	ESP	ESP	SWE	ESP
	0.01-	0.00-	0.00-	0.01-	0.00-	0.05-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
5	DEU	GRC	ESP	ITA	ITA	DEU	CZE	HUN	HUN	POL	DEU	AUT	POL	PRT	GRC	DEU	DEU
	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
6	ESP	HUN	GRC	GRC	NLD	NLD	NLD	ITA	DEU	GRC	POL	POL	AUT	POL	SWE	POL	HUN
	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
7	GRC	ITA	ITA	NLD	FIN	DNK	DNK	NLD	POL	DEU	AUT	NLD	PRT	DNK	DEU	HUN	POL
	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
8	NLD	NLD	POL	DNK	AUT	AUT	ITA	DNK	ITA	DNK	NLD	FRA	DEU	HUN	HUN	CZE	FRA
	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-	0.00-	0.00-	0.00-
9	DNK	POL	NLD	AUT	DEU	ITA	DEU	DEU	NLD	NLD	GRC	DNK	NLD	DEU	POL	PRT	FIN
	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-	0.00-	0.00-	0.00-
10	POL	DNK	DNK	DEU	FRA	POL	AUT	AUT	AUT	AUT	DNK	HUN	FRA	FRA	PRT	FRA	PRT
	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-	0.00-	0.00-	0.00-
11	AUT	AUT	AUT	SWE	DNK	GRC	FRA	FRA	DNK	ITA	ITA	SWE	DNK	SWE	ITA	AUT	CZE
	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-	0.00-	0.00-	0.00-
12	FIN	SWE	FIN	FIN	SWE	SWE	SWE	SWE	SWE	SWE	SWE	ITA	ITA	NLD	FRA	ITA	BEL
	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-	0.00-	0.00-	0.00-
13	SWE	FIN	SWE	POL	BEL	BEL	BEL	BEL	FRA	BEL	BEL	BEL	SWE	BEL	BEL	FIN	AUT
	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-	0.00-	0.00-	0.00-
14	BEL	BEL	BEL	FRA	GRC	FRA	POL	FIN	FIN	FRA	FRA	GRC	BEL	ITA	FIN	BEL	ITA
	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-	0.00-	0.00-	0.00-
15	FRA	FRA	FRA	BEL	PRT	FIN	FIN	POL	BEL	FIN	FIN	FIN	FIN	FIN	DNK	DNK	DNK
	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-	0.00-	0.00-	0.00-
16	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR
	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-	0.00-	0.00-	0.00-
17	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 26: Ranking of the Efficient Specialization Ratio (E) in Chemicals and Chemical Products*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	NLD	NLD	PRT	PRT	PRT	IRL	IRL	IRL	IRL	FRA	FRA	FRA	FRA	FRA	IRL	NLD	NLD
	52.90+	59.00+	45.98+	47.17+	48.25+	51.95+	52.64+	52.09+	50.96+	50.74+	99.99+	100.00+	100.00+	99.99+	59.59+	99.99+	99.99+
2	IRL	PRT	IRL	IRL	IRL	FRA	FRA	FRA	FRA	IRL	IRL	NLD	IRL	DEU	FRA	FRA	DEU
	25.80+	40.06+	32.49+	37.14+	43.00+	48.04+	47.35+	47.91+	49.03+	49.25+	0.00-	0.00-	0.00-	0.00-	40.40+	0.00-	0.00-
3	PRT	IRL	NLD	NLD	FRA	NLD	NLD	PRT	NLD	PRT	NLD	DEU	POL	NLD	NLD	DEU	IRL
	20.21+	0.93-	21.51+	15.68+	8.73-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-
4	DEU	BEL	BEL	POL	NLD	PRT	DNK	NLD	BEL	NLD	DEU	BEL	NLD	PRT	DEU	AUT	AUT
	1.09-	0.00-	0.01-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
5	FRA	FRA	FRA	FRA	BEL	DEU	DEU	BEL	DEU	DEU	PRT	ESP	DEU	IRL	BEL	BEL	BEL
	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-	0.00-	0.00-	0.00-
6	BEL	DEU	POL	BEL	DEU	BEL	ESP	ESP	PRT	BEL	BEL	PRT	HUN	POL	AUT	POL	POL
	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-	0.00-	0.00-	0.00-
7	ESP	ESP	DEU	DEU	POL	ESP	BEL	DNK	ITA	AUT	ESP	POL	ESP	ESP	DNK	SWE	SWE
	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-	0.00-	0.00-	0.00-
8	POL	POL	HUN	ESP	ESP	AUT	PRT	SWE	ESP	ESP	ITA	ITA	PRT	CZE	SWE	ITA	ITA
	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-	0.00-	0.00-	0.00-
9	ITA	ITA	ESP	HUN	ITA	DNK	SWE	DEU	GRC	ITA	POL	DNK	ITA	ITA	PRT	ESP	ESP
	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-	0.00-	0.00-	0.00-
10	AUT	AUT	FIN	ITA	FIN	ITA	FIN	AUT	POL	POL	SWE	GBR	BEL	AUT	POL	DNK	PRT
	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-	0.00-	0.00-	0.00-
11	FIN	FIN	ITA	FIN	SWE	SWE	ITA	HUN	SWE	SWE	AUT	AUT	DNK	BEL	ITA	IRL	FIN
	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-	0.00-	0.00-	0.00-
12	GRC	DNK	AUT	SWE	AUT	FIN	AUT	ITA	AUT	DNK	DNK	SWE	AUT	HUN	ESP	GRC	HUN
	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-	0.00-	0.00-	0.00-
13	HUN	HUN	SWE	DNK	HUN	POL	HUN	FIN	FIN	HUN	HUN	IRL	SWE	SWE	CZE	PRT	GRC
	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-	0.00-	0.00-	0.00-
14	SWE	CZE	DNK	AUT	GRC	HUN	GBR	POL	HUN	FIN	FIN	CZE	CZE	DNK	HUN	CZE	GBR
	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-	0.00-	0.00-	0.00-
15	CZE	SWE	CZE	CZE	CZE	CZE	GBR	GBR	GBR	CZE	GBR	HUN	GRC	GBR	GRC	FIN	DNK
	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-	0.00-	0.00-	0.00-
16	GBR	GRC	GRC	GBR	GBR	GBR	POL	GRC	DNK	GBR	CZE	FIN	GBR	FIN	FIN	HUN	CZE
	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-	0.00-	0.00-	0.00-
17	DNK	GBR	GBR	GRC	DNK	GRC	GRC	CZE	CZE	GRC	GRC	GRC	FIN	GRC	GBR	GBR	FRA
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 27: Ranking of the Efficient Specialization Ratio (E) in Rubber and Plastics*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	GRC	GRC	GRC	BEL	GRC	PRT	ESP	ESP	DEU	ITA	POL	POL	POL	POL	POL	POL	DEU
	78.27+	75.02+	68.60+	81.33+	62.21+	64.31+	93.71+	99.51+	50.46+	92.14+	73.49+	86.59+	96.86+	94.34+	99.89+	99.98+	99.91+
2	DEU	BEL	BEL	GRC	BEL	AUT	DEU	DEU	ITA	POL	ITA	ITA	GRC	GRC	BEL	DEU	POL
	21.72-	24.97+	31.37+	18.63+	37.77+	31.10+	6.14-	0.24-	40.12+	7.41+	26.49+	12.84=	2.52+	5.63+	0.08-	0.01-	0.08-
3	BEL	DEU	DEU	POL	DEU	DEU	AUT	ITA	POL	DEU	DEU	DEU	DEU	DEU	DEU	BEL	BEL
	0.00-	0.01-	0.01-	0.01-	0.01-	4.55-	0.14-	0.15-	9.41+	0.43-	0.01-	0.57-	0.51-	0.01-	0.02-	0.00-	0.01-
4	ITA	ITA	POL	DEU	PRT	ITA	PRT	POL	BEL	PRT	PRT	PRT	ITA	BEL	ITA	CZE	ITA
	0.00-	0.00-	0.00-	0.01-	0.00-	0.01-	0.00-	0.09-	0.00-	0.00-	0.00-	0.00-	0.12-	0.00-	0.00-	0.00-	0.00-
5	ESP	DNK	AUT	ITA	ITA	GRC	ITA	PRT	GBR	BEL	ESP	GBR	BEL	CZE	FRA	ITA	ESP
	0.00-	0.00-	0.00-	0.01-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
6	FIN	POL	PRT	PRT	AUT	POL	DNK	GRC	AUT	ESP	BEL	BEL	HUN	ESP	CZE	ESP	AUT
	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
7	PRT	PRT	DNK	AUT	POL	BEL	BEL	BEL	ESP	HUN	HUN	ESP	PRT	FRA	AUT	FRA	GBR
	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-	0.00-	0.00-	0.00-
8	AUT	AUT	ITA	ESP	ESP	ESP	GBR	AUT	GRC	AUT	AUT	FRA	ESP	ITA	ESP	AUT	NLD
	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-	0.00-	0.00-	0.00-
9	GBR	GBR	GBR	SWE	FIN	SWE	SWE	DNK	PRT	GBR	GBR	AUT	DNK	PRT	PRT	GBR	PRT
	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-	0.00-	0.00-	0.00-
10	POL	ESP	FIN	GBR	SWE	DNK	GRC	SWE	HUN	DNK	DNK	HUN	GBR	GBR	GBR	NLD	SWE
	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-	0.00-	0.00-	0.00-
11	DNK	FIN	ESP	NLD	NLD	GBR	FIN	GBR	NLD	CZE	GRC	DNK	AUT	AUT	NLD	PRT	HUN
	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-	0.00-	0.00-	0.00-
12	NLD	NLD	SWE	DNK	GBR	NLD	POL	NLD	SWE	GRC	FRA	CZE	SWE	HUN	DNK	SWE	FIN
	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-	0.00-	0.00-	0.00-
13	SWE	SWE	NLD	FIN	HUN	FIN	NLD	HUN	FRA	FRA	NLD	GRC	NLD	DNK	GRC	HUN	GRC
	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-	0.00-	0.00-	0.00-
14	CZE	CZE	CZE	CZE	CZE	CZE	HUN	CZE	DNK	SWE	CZE	NLD	IRL	NLD	HUN	DNK	DNK
	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-	0.00-	0.00-	0.00-
15	FRA	FRA	HUN	HUN	DNK	HUN	CZE	FRA	CZE	NLD	SWE	SWE	FIN	SWE	SWE	FIN	IRL
	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-	0.00-	0.00-	0.00-
16	IRL	HUN	FRA	FRA	FRA	FRA	FRA	FIN	FIN	FIN	FIN	FIN	FRA	FIN	FIN	GRC	CZE
	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-	0.00-	0.00-	0.00-
17	HUN	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	CZE	IRL	IRL	IRL	FRA
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 28: Ranking of the Efficient Specialization Ratio (E) in Other Non-Metallic Mineral*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	BEL	AUT	AUT	DEU	DEU	GRC	GRC	GRC	GRC	GRC	GRC	GRC	GRC	HUN	DEU	GRC	ESP
	76.00+	50.23+	56.20+	52.28+	99.97+	67.17+	68.67+	65.68+	80.45+	64.17+	63.91+	62.75+	50.29+	53.34+	73.50+	57.08+	99.97+
2	DEU	BEL	BEL	GRC	GRC	AUT	ESP	ESP	DEU	DEU	ESP	HUN	HUN	GRC	AUT	DEU	DEU
	23.99=	49.76+	43.70+	47.68+	0.02-	32.72+	31.32+	34.31+	19.50=	35.79+	36.08+	37.16+	49.55+	46.59+	26.48+	42.90+	0.01-
3	AUT	DEU	DEU	AUT	BEL	DEU	AUT	ITA	ITA	ESP	HUN	DEU	DEU	ESP	ITA	ESP	ITA
	0.00-	0.00-	0.08-	0.01-	0.00-	0.07-	0.00-	0.00-	0.02-	0.01-	0.00-	0.07-	0.16-	0.03-	0.00-	0.01-	0.00-
4	GRC	ITA	GRC	ITA	AUT	BEL	DEU	DEU	BEL	ITA	BEL	ESP	ESP	DEU	ESP	AUT	AUT
	0.00-	0.00-	0.01-	0.01-	0.00-	0.01-	0.00-	0.00-	0.01-	0.01-	0.00-	0.02-	0.00-	0.02-	0.00-	0.01-	0.00-
5	ESP	DNK	POL	BEL	ITA	ITA	BEL	AUT	AUT	BEL	DEU	ITA	POL	AUT	BEL	ITA	POL
	0.00-	0.00-	0.00-	0.01-	0.00-	0.01-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-
6	ITA	GRC	DNK	POL	POL	POL	ITA	BEL	ESP	PRT	AUT	POL	ITA	ITA	GRC	POL	BEL
	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-	0.00-	0.00-	0.00-
7	FIN	POL	FIN	ESP	ESP	ESP	DNK	PRT	FRA	HUN	POL	GBR	CZE	POL	POL	BEL	GRC
	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-	0.00-	0.00-	0.00-
8	DNK	ESP	ITA	HUN	FIN	FRA	FRA	FRA	GBR	POL	GBR	PRT	IRL	BEL	HUN	GBR	GBR
	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-	0.00-	0.00-	0.00-
9	POL	PRT	ESP	FIN	HUN	GBR	SWE	HUN	SWE	AUT	ITA	BEL	SWE	FRA	GBR	HUN	HUN
	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-	0.00-	0.00-	0.00-
10	GBR	FIN	GBR	SWE	GBR	SWE	GBR	DNK	DNK	GBR	FRA	FRA	NLD	CZE	NLD	CZE	SWE
	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-	0.00-	0.00-	0.00-
11	SWE	NLD	SWE	DNK	FRA	HUN	NLD	SWE	POL	FRA	DNK	AUT	DNK	PRT	PRT	FRA	PRT
	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-	0.00-	0.00-	0.00-
12	PRT	GBR	NLD	GBR	NLD	DNK	HUN	GBR	PRT	DNK	PRT	DNK	PRT	GBR	FRA	NLD	NLD
	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-	0.00-	0.00-	0.00-
13	NLD	SWE	PRT	NLD	SWE	PRT	PRT	POL	HUN	SWE	SWE	NLD	GBR	DNK	CZE	SWE	FIN
	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-	0.00-	0.00-	0.00-
14	FRA	FRA	HUN	PRT	PRT	NLD	POL	NLD	NLD	NLD	NLD	SWE	FIN	NLD	SWE	PRT	FRA
	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-	0.00-	0.00-	0.00-
15	CZE	CZE	FRA	FRA	CZE	FIN	FIN	CZE	FIN	CZE	FIN	CZE	BEL	SWE	DNK	FIN	CZE
	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-	0.00-	0.00-	0.00-
16	HUN	HUN	CZE	CZE	DNK	CZE	CZE	FIN	CZE	FIN	CZE	FIN	FRA	FIN	FIN	DNK	DNK
	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-	0.00-	0.00-	0.00-
17	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	AUT	IRL	IRL	IRL	IRL
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 29: Ranking of the Efficient Specialization Ratio (E) in Basic Metals and Fabricated Metal*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	ESP	DEU	DEU	DEU	DEU	DEU	DEU	DEU	DEU	DEU	ESP	DEU	DEU	DEU	ESP	ESP	ESP
	56.93+	77.66+	78.46+	63.64+	67.00+	75.83+	33.61+	55.22+	95.45+	75.39+	31.29+	57.22+	36.33+	41.79+	68.05+	61.43+	31.21+
2	AUT	FIN	FIN	AUT	AUT	SWE	BEL	BEL	BEL	BEL	DEU	BEL	BEL	GBR	GBR	BEL	ITA
	20.22+	15.81+	15.53+	21.03+	20.35+	24.14+	25.30+	23.65+	4.54=	24.60+	28.98+	21.86+	21.69+	37.04+	31.88+	19.69+	27.54+
3	FIN	AUT	AUT	FIN	BEL	BEL	AUT	AUT	ITA	AUT	AUT	AUT	AUT	BEL	DEU	AUT	AUT
	16.11+	6.52+	5.43+	15.28+	12.65+	0.01-	20.80+	19.49+	0.00-	0.01-	21.01+	20.90+	21.39+	20.85+	0.06-	18.86+	22.40+
4	DEU	ESP	BEL	ITA	FIN	FIN	SWE	ESP	AUT	ESP	BEL	ESP	GBR	ESP	BEL	DEU	BEL
	6.73-	0.00-	0.55-	0.04-	0.00-	0.00-	20.30+	1.60-	0.00-	0.00-	18.72+	0.01-	20.59+	0.30-	0.01-	0.01-	18.78+
5	ITA	BEL	SWE	BEL	ESP	AUT	ESP	SWE	GBR	GBR	GBR	GBR	GRC	AUT	AUT	GBR	GBR
	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.03-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.01-	0.08-
6	BEL	ITA	ESP	SWE	ITA	ITA	ITA	ITA	ESP	ITA	GRC	FRA	ITA	GRC	ITA	ITA	DEU
	0.00-	0.00-	0.01-	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-
7	SWE	DNK	ITA	ESP	SWE	ESP	FIN	DNK	SWE	POL	ITA	ITA	ESP	ITA	FRA	POL	POL
	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-	0.00-	0.00-	0.00-
8	DNK	SWE	DNK	GBR	GRC	FRA	DNK	GBR	FRA	GRC	POL	SWE	POL	FRA	POL	FRA	GRC
	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-	0.00-	0.00-	0.00-
9	GBR	GBR	POL	DNK	GBR	GBR	FRA	FRA	GRC	DNK	SWE	POL	FRA	POL	DNK	GRC	FIN
	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-	0.00-	0.00-	0.00-
10	GRC	POL	GBR	CZE	FRA	POL	GBR	PRT	DNK	SWE	FRA	PRT	HUN	DNK	NLD	NLD	NLD
	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-	0.00-	0.00-	0.00-
11	POL	CZE	NLD	NLD	DNK	DNK	CZE	CZE	FIN	FIN	HUN	HUN	SWE	SWE	GRC	SWE	SWE
	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-	0.00-	0.00-	0.00-
12	NLD	NLD	CZE	FRA	POL	GRC	NLD	GRC	NLD	HUN	NLD	CZE	DNK	CZE	CZE	CZE	HUN
	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-	0.00-	0.00-	0.00-
13	CZE	FRA	GRC	GRC	NLD	HUN	HUN	FIN	POL	FRA	DNK	FIN	CZE	HUN	SWE	DNK	PRT
	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-	0.00-	0.00-	0.00-
14	FRA	GRC	FRA	HUN	CZE	NLD	GRC	NLD	HUN	PRT	FIN	DNK	NLD	PRT	PRT	FIN	FRA
	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-	0.00-	0.00-	0.00-
15	PRT	PRT	HUN	PRT	PRT	CZE	PRT	POL	CZE	NLD	PRT	NLD	FIN	NLD	FIN	PRT	DNK
	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-	0.00-	0.00-	0.00-
16	IRL	HUN	PRT	IRL	HUN	PRT	POL	HUN	PRT	CZE	CZE	GRC	PRT	FIN	HUN	HUN	CZE
	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-	0.00-	0.00-	0.00-
17	HUN	IRL	IRL	POL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 30: Ranking of the Efficient Specialization Ratio (E) in Machinery, Nec*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	ITA	ITA	DEU	ITA	ITA	DEU	ITA	ITA	ITA	DEU	ITA	ITA	ITA	ITA	ITA	GBR	GBR
	89.68+	81.70+	56.63+	65.50+	81.78+	57.67+	72.38+	97.12+	99.99+	51.40+	68.18+	66.09+	66.69+	62.17+	72.42+	52.06+	49.58+
2	DEU	DEU	ITA	DEU	DEU	ITA	DEU	DEU	AUT	ITA	DEU	DEU	DEU	AUT	HUN	HUN	ITA
	10.32-	18.30-	43.36+	34.49=	18.21-	42.32+	27.62=	2.88-	0.00-	48.59+	31.81=	33.91=	33.30=	23.55+	19.23+	22.89+	27.74+
3	DNK	DNK	DNK	SWE	BEL	AUT	DNK	AUT	DEU	AUT	GBR	GBR	GBR	DNK	GBR	DEU	HUN
	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-	9.25+	8.34=	11.55-	22.68+
4	BEL	BEL	FIN	AUT	AUT	BEL	AUT	SWE	GBR	GBR	AUT	FRA	AUT	DEU	AUT	ITA	DEU
	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-	5.01-	0.00-	11.51-	0.00-
5	AUT	GBR	BEL	GBR	FIN	DNK	ESP	DNK	BEL	HUN	POL	AUT	POL	GBR	DEU	AUT	AUT
	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-	0.00-	1.99-	0.00-
6	FIN	AUT	AUT	BEL	SWE	SWE	SWE	ESP	FRA	FRA	HUN	HUN	FRA	FRA	DNK	NLD	NLD
	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-	0.00-	0.00-	0.00-
7	GBR	FIN	GBR	ESP	ESP	GBR	GBR	BEL	SWE	BEL	ESP	DNK	ESP	POL	FRA	FRA	SWE
	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-	0.00-	0.00-	0.00-
8	ESP	ESP	SWE	DNK	DNK	ESP	BEL	FRA	DNK	PRT	FRA	DNK	HUN	POL	ESP	ESP	POL
	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-	0.00-	0.00-	0.00-
9	SWE	SWE	ESP	FIN	GBR	NLD	FRA	PRT	ESP	DNK	ESP	POL	SWE	CZE	BEL	POL	ESP
	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-	0.00-	0.00-	0.00-
10	NLD	NLD	NLD	NLD	FRA	FRA	FIN	GBR	NLD	ESP	DNK	PRT	ESP	HUN	FRA	BEL	FIN
	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-	0.00-	0.00-	0.00-
11	PRT	PRT	PRT	PRT	NLD	FIN	NLD	NLD	HUN	SWE	SWE	CZE	BEL	BEL	NLD	SWE	BEL
	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-	0.00-	0.00-	0.00-
12	FRA	POL	POL	FRA	PRT	PRT	PRT	HUN	POL	POL	NLD	BEL	NLD	SWE	GRC	CZE	PRT
	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-	0.00-	0.00-	0.00-
13	POL	FRA	FRA	CZE	POL	POL	POL	FIN	FIN	NLD	PRT	SWE	CZE	NLD	CZE	DNK	GRC
	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-	0.00-	0.00-	0.00-
14	GRC	IRL	IRL	POL	CZE	HUN	HUN	POL	GRC	FIN	FIN	NLD	GRC	PRT	SWE	FIN	CZE
	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-	0.00-	0.00-	0.00-
15	IRL	CZE	GRC	GRC	GRC	CZE	CZE	CZE	PRT	CZE	CZE	FIN	FIN	FIN	PRT	GRC	FRA
	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-	0.00-	0.00-	0.00-
16	CZE	GRC	CZE	IRL	HUN	GRC	GRC	GRC	CZE	GRC	GRC	GRC	PRT	GRC	FIN	PRT	DNK
	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-	0.00-	0.00-	0.00-
17	HUN	HUN	HUN	HUN	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 31: Ranking of the Efficient Specialization Ratio (E) in Electrical and Optical Equipment*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	ITA	ITA	ITA	ITA	ITA	ITA	ITA	ITA	DEU	DEU	DEU	DEU	DEU	DEU	DEU	SWE	SWE
	100.00+	100.00+	99.99+	99.99+	81.66+	30.54+	57.86+	52.62+	23.66=	32.79=	42.13+	33.19=	40.63+	34.72=	38.16+	38.45+	40.69+
2	ESP	DNK	ESP	POL	FIN	BEL	HUN	HUN	AUT	SWE	SWE	SWE	SWE	SWE	SWE	DEU	DEU
	0.00-	0.00-	0.00-	0.00-	18.33+	24.78+	23.19+	22.55+	22.89+	28.14+	32.20+	32.08+	32.28+	32.87+	33.83+	35.73=	34.08=
3	AUT	ESP	GRC	ESP	HUN	NLD	FIN	FIN	HUN	FIN	FIN	FIN	FIN	FIN	FIN	FIN	FIN
	0.00-	0.00-	0.00-	0.00-	0.00-	22.67+	18.95+	20.39+	21.31+	20.79+	25.66+	25.01+	27.09+	32.40+	28.01+	25.82+	25.23+
4	BEL	IRL	DNK	GRC	DEU	FIN	ESP	POL	FIN	HUN	HUN	DNK	HUN	HUN	FRA	POL	ITA
	0.00-	0.00-	0.00-	0.00-	0.00-	20.85+	0.00-	4.39+	19.67+	17.17+	0.00-	7.14+	0.00-	0.00-	0.00-	0.00-	0.00-
5	GRC	AUT	POL	GBR	DNK	HUN	SWE	AUT	GBR	DNK	ITA	HUN	DNK	DNK	ITA	FRA	POL
	0.00-	0.00-	0.00-	0.00-	0.00-	0.92-	0.00-	0.02-	12.40=	1.10=	0.00-	2.57-	0.00-	0.00-	0.00-	0.00-	0.00-
6	POL	POL	IRL	NLD	ESP	SWE	GBR	SWE	SWE	AUT	POL	GBR	POL	FRA	DNK	AUT	HUN
	0.00-	0.00-	0.00-	0.00-	0.00-	0.21-	0.00-	0.02-	0.05-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
7	IRL	DEU	AUT	AUT	AUT	DEU	DNK	ESP	POL	ITA	DNK	FRA	FRA	ESP	AUT	ITA	GBR
	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
8	DEU	GBR	GBR	DEU	SWE	GBR	GRC	GBR	ITA	POL	ESP	ESP	ITA	ITA	ESP	CZE	AUT
	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
9	GBR	BEL	DEU	SWE	NLD	POL	AUT	DNK	DNK	GBR	AUT	PRT	ESP	CZE	HUN	DNK	ESP
	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-	0.00-	0.00-	0.00-
10	DNK	NLD	NLD	DNK	GBR	DNK	DEU	PRT	IRL	PRT	FRA	ITA	GBR	POL	GBR	ESP	NLD
	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-	0.00-	0.00-	0.00-
11	FIN	GRC	BEL	FIN	BEL	AUT	BEL	DEU	BEL	ESP	IRL	AUT	AUT	GBR	POL	GBR	CZE
	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-	0.00-	0.00-	0.00-
12	NLD	FIN	FIN	BEL	GRC	ESP	NLD	IRL	FRA	FRA	GBR	CZE	IRL	AUT	CZE	NLD	BEL
	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-	0.00-	0.00-	0.00-
13	PRT	PRT	SWE	HUN	POL	GRC	FRA	BEL	ESP	IRL	NLD	POL	CZE	PRT	NLD	HUN	PRT
	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-	0.00-	0.00-	0.00-
14	FRA	FRA	FRA	IRL	IRL	IRL	IRL	FRA	GRC	BEL	PRT	BEL	NLD	IRL	BEL	BEL	GRC
	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-	0.00-	0.00-	0.00-
15	SWE	SWE	PRT	FRA	PRT	FRA	POL	NLD	NLD	NLD	BEL	NLD	BEL	NLD	PRT	PRT	IRL
	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-	0.00-	0.00-	0.00-
16	CZE	CZE	HUN	PRT	FRA	PRT	PRT	GRC	PRT	CZE	CZE	IRL	PRT	BEL	IRL	IRL	DNK
	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-	0.00-	0.00-	0.00-
17	HUN	HUN	CZE	CZE	CZE	CZE	CZE	CZE	CZE	GRC	GRC	GRC	GRC	GRC	GRC	GRC	FRA
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 32: Ranking of the Efficient Specialization Ratio (E) in Transport Equipment*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	DEU	DEU	FRA	FRA	FRA	FRA	DEU	DEU	FRA	FRA	DEU	DEU	DEU	DEU	DEU	DEU	DEU
	100.00+	62.17+	99.95+	77.70+	99.99+	99.97+	99.96+	99.99+	79.36+	63.35+	99.99+	55.49+	93.73+	99.96+	99.99+	100.00+	100.00+
2	AUT	FRA	DEU	DEU	DEU	DEU	FRA	AUT	DEU	AUT	FRA	FRA	FRA	FRA	AUT	CZE	SWE
	0.00-	37.83+	0.04-	22.29-	0.00-	0.02-	0.04-	0.01-	20.63-	36.64+	0.01-	44.51+	6.27-	0.03-	0.00-	0.00-	0.00-
3	FRA	PRT	PRT	HUN	HUN	HUN	AUT	FRA	AUT	DEU	AUT	HUN	HUN	CZE	CZE	AUT	AUT
	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
4	BEL	AUT	AUT	PRT	AUT	AUT	HUN	ESP	SWE	HUN	HUN	AUT	AUT	AUT	BEL	DNK	BEL
	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-	0.00-	0.00-	0.00-
5	ITA	BEL	HUN	ITA	ITA	ITA	SWE	HUN	HUN	PRT	ESP	GBR	CZE	HUN	ESP	SWE	ESP
	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-	0.00-	0.00-	0.00-
6	ESP	ITA	BEL	AUT	BEL	SWE	ESP	PRT	BEL	POL	BEL	ESP	POL	ESP	ITA	BEL	GBR
	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-	0.00-	0.00-	0.00-
7	SWE	ESP	ITA	BEL	ESP	POL	ITA	BEL	GBR	SWE	ITA	CZE	ESP	ITA	FRA	ESP	POL
	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-	0.00-	0.00-	0.00-
8	GBR	DNK	ESP	ESP	SWE	ESP	DNK	ITA	ITA	BEL	POL	PRT	ITA	GBR	GBR	FRA	NLD
	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-	0.00-	0.00-	0.00-
9	FIN	GBR	NLD	NLD	PRT	BEL	BEL	SWE	ESP	ESP	GBR	BEL	SWE	SWE	POL	POL	ITA
	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-	0.00-	0.00-	0.00-
10	DNK	NLD	SWE	SWE	POL	GBR	GBR	POL	POL	ITA	PRT	SWE	BEL	BEL	HUN	GBR	HUN
	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-	0.00-	0.00-	0.00-
11	NLD	SWE	GBR	GBR	GBR	PRT	NLD	NLD	PRT	GBR	SWE	NLD	GBR	POL	PRT	ITA	PRT
	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-	0.00-	0.00-	0.00-
12	POL	POL	POL	DNK	NLD	NLD	CZE	GBR	DNK	DNK	NLD	ITA	DNK	NLD	SWE	HUN	FRA
	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-	0.00-	0.00-	0.00-
13	PRT	HUN	DNK	CZE	CZE	CZE	PRT	DNK	NLD	CZE	DNK	POL	NLD	PRT	NLD	NLD	DNK
	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-	0.00-	0.00-	0.00-
14	HUN	FIN	CZE	POL	FIN	DNK	POL	CZE	CZE	NLD	CZE	DNK	PRT	DNK	DNK	PRT	FIN
	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-	0.00-	0.00-	0.00-
15	CZE	CZE	FIN	FIN	DNK	FIN	FIN	FIN	GRC	FIN	FIN	FIN	GRC	FIN	GRC	GRC	GRC
	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-	0.00-	0.00-	0.00-
16	GRC	GRC	GRC	GRC	GRC	GRC	GRC	GRC	FIN	GRC	GRC	GRC	IRL	IRL	FIN	FIN	IRL
	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-	0.00-	0.00-	0.00-
17	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	FIN	GRC	IRL	IRL	CZE
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 33: Ranking of the Efficient Specialization Ratio (E) in Manufacturing, Nec; Recycling*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR	GBR
	100.00+	100.00+	99.95+	99.99+	99.99+	99.99+	100.00+	100.00+	100.00+	100.00+	99.99+	100.00+	100.00+	99.99+	99.99+	99.99+	99.99+
2	BEL	ITA	ITA	ITA	ITA	ITA	DNK	DNK	ITA	DNK	DNK	DNK	DNK	DNK	AUT	AUT	AUT
	0.00-	0.00-	0.02-	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-
3	ITA	DNK	DNK	DEU	DEU	BEL	ITA	DEU	DEU	ITA	ITA	ITA	DEU	BEL	DEU	ITA	
	0.00-	0.00-	0.02-	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-	
4	DEU	BEL	DEU	DNK	DNK	DEU	DEU	FRA	BEL	ITA	DEU	DEU	DEU	ITA	ITA	BEL	DEU
	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-	0.00-	0.00-	0.00-
5	DNK	DEU	BEL	BEL	BEL	DNK	BEL	ITA	DNK	BEL	BEL	BEL	FRA	BEL	DNK	ITA	BEL
	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-	0.00-	0.00-	0.00-
6	AUT	AUT	AUT	FRA	FRA	FRA	FRA	BEL	FRA	PRT	FRA	FRA	BEL	AUT	DEU	CZE	ESP
	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-	0.00-	0.00-	0.00-
7	FIN	PRT	FRA	ESP	ESP	AUT	AUT	AUT	POL	FRA	ESP	ESP	POL	ESP	ESP	DNK	POL
	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-	0.00-	0.00-	0.00-
8	ESP	ESP	ESP	PRT	PRT	ESP	ESP	ESP	AUT	ESP	AUT	AUT	ESP	FRA	CZE	ESP	IRL
	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-	0.00-	0.00-	0.00-
9	PRT	FRA	PRT	AUT	FIN	PRT	FIN	PRT	ESP	AUT	POL	PRT	AUT	CZE	FRA	FRA	CZE
	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-	0.00-	0.00-	0.00-
10	FRA	FIN	FIN	SWE	AUT	SWE	SWE	POL	FIN	POL	IRL	POL	CZE	POL	IRL	POL	FIN
	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-	0.00-	0.00-	0.00-
11	POL	POL	POL	FIN	SWE	POL	CZE	CZE	PRT	SWE	SWE	CZE	IRL	IRL	POL	IRL	SWE
	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-	0.00-	0.00-	0.00-
12	GRC	CZE	SWE	POL	POL	CZE	PRT	SWE	SWE	FIN	CZE	SWE	HUN	PRT	GRC	SWE	DNK
	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-	0.00-	0.00-	0.00-
13	CZE	SWE	CZE	CZE	GRC	FIN	POL	FIN	GRC	IRL	FIN	IRL	SWE	SWE	PRT	FIN	PRT
	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-	0.00-	0.00-	0.00-
14	SWE	IRL	GRC	GRC	CZE	GRC	GRC	HUN	CZE	CZE	PRT	FIN	GRC	FIN	SWE	PRT	FRA
	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-	0.00-	0.00-	0.00-
15	IRL	GRC	IRL	NLD	HUN	NLD	HUN	NLD	HUN	HUN	HUN	HUN	PRT	HUN	FIN	GRC	GRC
	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-	0.00-	0.00-	0.00-
16	NLD	NLD	NLD	HUN	NLD	HUN	NLD	GRC	NLD	GRC	GRC	GRC	FIN	GRC	HUN	HUN	HUN
	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-	0.00-	0.00-	0.00-
17	HUN	HUN	HUN	IRL	IRL	IRL	IRL	IRL	IRL	NLD	NLD	NLD	NLD	NLD	NLD	NLD	NLD
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

Table 34: Ranking of the Efficient Specialization Ratio (E) in Electricity, Gas and Water Supply*

Rank	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	SWE	CZE	SWE	GBR	HUN	HUN	PRT	PRT	PRT	PRT	PRT	PRT	PRT	PRT	PRT	PRT	PRT
	97.29+	62.08+	87.45+	91.48+	61.51+	67.58+	91.79+	94.04+	92.94+	94.32+	97.54+	90.38+	93.79+	96.15+	95.90+	94.17+	91.54+
2	POL	POL	POL	POL	SWE	POL	SWE	ESP	GBR	GBR	GBR	GBR	CZE	CZE	ITA	ITA	GRC
	2.70-	37.91+	12.53+	8.50=	23.71+	32.36+	7.52+	5.95-	7.05-	2.97-	2.45-	9.62-	6.20+	3.84=	4.09-	5.82-	8.45+
3	CZE	FRA	FRA	SWE	POL	PRT	ESP	SWE	ESP	HUN	ESP	ESP	GBR	ESP	GBR	ESP	ITA
	0.00-	0.00-	0.01-	0.01-	14.77+	0.03-	0.69-	0.00-	0.00-	2.69=	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
4	FRA	SWE	CZE	FRA	ITA	SWE	HUN	GBR	ITA	ESP	ITA	CZE	ESP	GBR	CZE	CZE	ESP
	0.00-	0.00-	0.00-	0.01-	0.00-	0.01-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
5	GBR	GBR	GBR	HUN	GBR	GBR	CZE	HUN	HUN	ITA	HUN	ITA	GRC	ITA	ESP	GBR	GBR
	0.00-	0.00-	0.00-	0.00-	0.00-	0.01-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-	0.00-
6	ITA	PRT	HUN	PRT	PRT	CZE	GBR	ITA	GRC	POL	POL	HUN	POL	GRC	GRC	GRC	AUT
	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-	0.00-	0.00-	0.00-
7	PRT	DNK	PRT	CZE	ESP	ESP	DNK	CZE	SWE	CZE	CZE	FRA	HUN	AUT	NLD	AUT	NLD
	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-	0.00-	0.00-	0.00-
8	ESP	HUN	ITA	ESP	CZE	ITA	ITA	POL	CZE	AUT	NLD	POL	ITA	POL	AUT	NLD	POL
	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-	0.00-	0.00-	0.00-
9	DNK	ITA	ESP	ITA	NLD	NLD	POL	DNK	AUT	SWE	GRC	AUT	AUT	HUN	POL	POL	DEU
	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-	0.00-	0.00-	0.00-
10	NLD	ESP	DNK	NLD	AUT	DNK	NLD	NLD	POL	DNK	AUT	NLD	DNK	DEU	DEU	DEU	SWE
	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-	0.00-	0.00-	0.00-
11	HUN	NLD	NLD	DNK	GRC	AUT	AUT	AUT	NLD	NLD	SWE	DNK	NLD	FRA	DNK	SWE	CZE
	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-	0.00-	0.00-	0.00-
12	BEL	AUT	AUT	AUT	DEU	DEU	FRA	GRC	DNK	GRC	DNK	GRC	SWE	NLD	SWE	DNK	HUN
	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-	0.00-	0.00-	0.00-
13	AUT	BEL	BEL	DEU	BEL	GRC	DEU	BEL	DEU	DEU	DEU	SWE	FRA	SWE	HUN	HUN	BEL
	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-	0.00-	0.00-	0.00-
14	GRC	DEU	GRC	GRC	FRA	FRA	GRC	FRA	FRA	FRA	FRA	DEU	DEU	DNK	BEL	BEL	DNK
	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-	0.00-	0.00-	0.00-
15	DEU	GRC	DEU	BEL	DNK	BEL	BEL	DEU	BEL	BEL	BEL	BEL	BEL	BEL	FRA	FRA	FIN
	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-	0.00-	0.00-	0.00-
16	FIN	FIN	FIN	FIN	FIN	FIN	FIN	FIN	FIN	FIN	FIN	FIN	IRL	IRL	FIN	FIN	FRA
	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-	0.00-	0.00-	0.00-
17	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	IRL	FIN	FIN	IRL	IRL	IRL
	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-	0.00-	0.00-	0.00-

*The *ESR* is computed as $\frac{b_{c,i,t}^E}{\sum_{i=1}^n b_{c,i,t}^E}$ and represents the share of European gross output that each country should have produced to exploit its Comparative Advantages. The values are followed by a sign. The sign specifies whether the country should have improved (+) or reduced (-) its production, or whether it was close to the *ESR* (=). A country has been considered close to the *ESR* if the difference with the real share of European net production is lower than the 20% of the original share.

3 The Labour Mobility Index

In this Section are presented the results relative to the following index.

$$lm_{i,c,y} = \frac{l_{i,c,t}^E - l_{i,c,t}}{n} \times 100 \quad (3.1)$$

where $l_{i,c,t}^E$ and $l_{i,c,t}$ are, respectively, the quantity of workers employed in sector i of country c at time t in the efficient scenario and in the original data set.

In words, the index shows the flows workers into or from specific Sectors. If the index is positive, this means that the country should have increased the employment in the Sector considered in order to realize an Efficient Specialization Patterns. Therefore, a positive number is also an index of CA.

For example, in Austria most of the labour force should have been concentrated in Sector 12—see Tab. 35, which is the Sector in which Austria had the more stable and marked CA—see Tab. 1.

However, this way of evaluating CAs may lead to weigh in different ways the closeness of single sectors, or even of countries, to the efficient specialization pattern. Therefore, the lm should be considered an additional information to the ESR rather than an alternative to that index.

Table 35: Labour mobility index of Austria*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-32.29	-31.87	-31.50	-30.85	-30.73	-30.44	-30.15	-30.41	-30.43	-30.34	-29.76	-29.06	-27.83	-30.44	-27.59	-26.20	-29.39
2	-0.80	-0.80	-0.79	-0.77	-0.74	-0.73	-0.70	-0.69	-0.69	-0.67	-0.64	-0.65	-0.66	-0.83	-0.77	-0.90	-0.81
3	-8.44	-8.47	-8.40	-8.24	-8.16	-8.08	-8.00	-8.04	-8.11	-8.19	-8.10	-8.18	-8.21	-7.10	-7.27	-7.87	-7.47
4	-4.01	-3.81	-3.64	-3.55	-3.40	-3.26	-3.17	-3.00	-2.81	-2.68	-2.51	-2.49	-2.33	-2.25	-2.10	-2.18	-1.96
5	-0.74	-0.73	-0.73	-0.73	-0.73	-0.68	-0.66	-0.65	-0.61	-0.59	-0.54	-0.52	-0.51	-0.49	-0.46	-0.48	-0.46
6	-3.65	-3.74	-3.79	-3.80	-3.80	-3.84	-3.85	-3.86	-3.90	-3.93	-3.93	-4.05	-4.19	-3.96	-3.96	-4.75	-4.62
7	-5.01	-5.13	-5.17	-5.20	-5.20	-5.18	-5.16	-5.20	-5.18	-5.18	-5.14	-5.28	-5.01	-4.59	61.78	-4.83	-4.41
8	-0.29	-0.27	-0.26	-0.25	-0.23	-0.21	-0.20	-0.19	-0.20	-0.18	-0.17	-0.17	-0.17	16.18	-0.30	-0.17	-0.25
9	-2.61	-2.67	-2.65	-2.67	-2.67	-2.64	-2.64	-2.74	-2.81	-2.79	-2.81	-2.86	-3.00	-2.61	-2.63	-2.50	-2.37
10	-2.69	-2.66	-2.60	-2.65	-2.76	45.55	-2.66	-2.85	-2.86	-2.82	-2.81	-2.88	-3.00	-3.06	-3.19	-2.95	-2.60
11	-3.77	62.55	71.00	-3.62	-3.61	47.87	-3.76	-3.74	-3.72	-3.72	-3.72	-3.70	-3.79	-3.14	30.58	-3.27	-3.02
12	90.59	24.24	15.62	90.04	89.98	-10.17	89.45	89.51	-10.52	-10.63	89.01	88.89	88.61	-11.89	-14.22	77.18	86.78
13	-7.15	-7.39	-7.51	-7.78	-7.86	-7.90	-8.09	-8.22	-8.28	-8.36	-8.55	-8.72	-9.02	74.56	-9.93	-1.45	-9.68
14	-7.84	-7.72	-7.70	-7.81	-7.77	-7.95	-8.10	-7.74	92.28	-7.46	-7.56	-7.66	-8.23	-8.53	-8.82	-8.48	-8.61
15	-2.73	-2.89	-3.25	-3.51	-3.74	-3.84	-3.95	-3.92	-4.00	95.76	-4.69	-4.62	-4.55	-4.36	-4.17	-4.04	-4.70
16	-5.38	-5.37	-5.36	-5.34	-5.28	-5.28	-5.22	-5.11	-5.00	-4.99	-4.86	-4.93	-4.94	-4.48	-3.64	-3.74	-3.30
17	-3.19	-3.26	-3.28	-3.28	-3.28	-3.24	-3.15	-3.14	-3.16	-3.22	-3.22	-3.11	-3.18	-3.00	-3.30	-3.36	-3.14

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 36: Labour mobility index of Belgium*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-11.79	-11.67	-11.62	-11.60	-11.64	-11.31	-11.02	-11.20	-11.43	-11.67	-11.72	-11.66	-11.56	-10.77	-10.85	-10.75	-10.38
2	-0.52	-0.52	-0.51	-0.49	-0.49	-0.48	-0.43	-0.43	-0.44	-0.44	-0.44	-0.44	-0.45	-0.43	-0.49	-0.50	-0.50
3	-12.27	-12.51	-12.67	-12.68	-12.71	-12.60	-12.69	-12.87	-13.21	-13.43	-13.52	-13.52	-13.60	-13.70	8.62	-13.08	-13.21
4	-8.19	-7.79	-7.64	-7.55	-7.27	-6.99	-6.70	-6.46	-6.24	-5.99	-5.69	-5.45	-5.36	-5.12	-5.55	-5.38	-5.20
5	-0.50	-0.48	-0.41	-0.36	-0.34	-0.32	-0.30	-0.28	-0.27	-0.27	-0.26	-0.24	-0.23	-0.27	-0.27	-0.26	-0.25
6	-1.75	-1.75	-1.74	-1.76	-1.79	-1.85	-1.91	-1.92	79.04	-1.96	11.46	-1.81	-2.05	-1.93	76.84	-1.59	0.05
7	-6.44	-6.50	-6.57	-6.59	-6.71	-6.76	-6.77	-6.61	-6.56	-6.54	-6.52	-6.50	-6.46	-6.49	-6.19	-5.97	-5.94
8	-0.74	-0.76	-0.74	-0.70	-0.69	-0.69	-0.68	-0.78	-0.79	-0.87	-0.82	-0.81	-0.80	-0.77	-1.98	-2.10	-2.08
9	-8.72	-8.78	-8.85	-8.93	-9.13	-9.35	-9.30	-9.39	-9.61	-9.60	-9.73	-9.89	-9.89	-9.99	-9.51	-9.79	-9.99
10	-2.93	29.63	35.67	96.84	44.46	-3.26	-3.48	-3.48	-3.45	-3.53	-3.58	-3.51	-3.62	-3.50	-3.10	-3.36	-3.60
11	95.59	62.90	54.45	-4.50	-4.44	-4.37	-4.45	-4.45	-4.43	-4.37	-4.35	-4.28	-4.34	-4.54	-4.98	-4.79	-4.53
12	-13.59	-13.63	-11.15	-13.42	38.80	-13.52	86.64	86.09	4.98	85.76	72.17	85.33	85.18	84.95	-16.10	83.92	82.12
13	-5.33	-5.43	-5.51	-5.56	-5.46	-5.52	-5.63	-5.63	-5.55	-5.57	-5.62	-5.80	-5.99	-6.26	-6.13	-6.10	-6.27
14	-7.09	-7.06	-6.97	-6.99	-7.08	92.71	-7.38	-6.88	-6.58	-6.29	-6.24	-6.14	-6.23	-6.41	-6.56	-6.47	-6.38
15	-7.86	-7.87	-7.96	-7.98	-7.85	-8.19	-8.33	-8.15	-7.96	-7.85	-7.85	-7.87	-7.23	-7.20	-6.73	-6.66	-6.55
16	-4.39	-4.27	-4.22	-4.15	-4.11	-4.05	-4.16	-4.11	-4.02	-4.01	-3.93	-3.86	-3.74	-3.65	-3.16	-3.10	-3.13
17	-3.49	-3.52	-3.55	-3.56	-3.54	-3.46	-3.42	-3.47	-3.48	-3.40	-3.36	-3.54	-3.66	-3.92	-3.87	-4.03	-4.15

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 37: Labour mobility index of the Czech Republic*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	82.85	-16.27	67.36	84.93	85.52	86.30	66.04	87.47	87.66	88.09	88.55	88.82	79.39	82.77	88.52	88.87	89.91
2	-5.14	-4.85	-4.61	-4.26	-3.99	-3.69	-3.56	-3.15	-2.95	-2.85	-2.73	-2.80	-2.74	-2.87	-2.68	-2.69	-2.28
3	-8.33	-8.82	-8.89	-8.99	-8.82	-8.81	-8.70	-9.00	-8.94	-8.82	-8.58	-8.25	-8.26	-8.27	-9.30	-8.97	-8.79
4	-8.44	-7.87	-7.72	-7.84	-7.71	-7.47	-7.10	-6.87	-6.43	-6.18	-5.62	-4.87	-4.44	-4.12	-3.80	-4.15	-4.11
5	-1.82	-1.65	-1.45	-1.34	-1.22	-1.16	-1.11	-0.97	-0.81	-0.72	-0.65	-0.66	-0.54	-0.50	-0.46	-0.51	-0.53
6	-3.71	-3.72	-3.70	-3.75	-3.80	-3.89	-4.05	-4.29	-4.68	-4.69	-4.65	-4.82	-4.59	-4.64	-5.01	-4.80	-4.68
7	-3.25	-3.33	-3.22	-3.31	-3.25	-3.23	17.56	-3.67	-3.78	-3.77	-3.91	-3.80	-4.03	-4.01	-4.16	-4.01	-4.29
8	-0.57	25.95	16.78	-0.22	-0.21	-0.20	-0.21	-0.18	-0.19	-0.19	-0.19	-0.19	-0.18	-0.23	-0.23	-0.28	-0.36
9	-2.29	-2.40	-2.58	-2.65	-2.59	-2.55	-2.53	-2.48	-2.57	-2.53	-2.61	-2.48	-2.39	-2.34	-2.66	-2.71	-2.55
10	-2.11	-2.32	-2.71	-2.85	-3.01	-3.25	-3.53	-3.64	-3.92	-4.18	-4.44	-4.89	-5.20	-5.51	-5.26	-5.29	-5.72
11	-4.55	-4.64	-4.75	-4.71	-4.85	-5.02	-4.99	-4.95	-4.84	-4.78	-4.76	-4.67	-4.43	-4.28	-4.06	-4.16	-4.05
12	-13.29	-13.52	-13.56	-13.34	-13.61	-13.31	-13.37	-13.20	-13.35	-13.77	-13.90	-13.91	-14.18	-14.53	-13.87	-14.51	-15.05
13	-9.56	-9.39	-9.41	-9.30	-9.08	-8.98	-8.97	-8.88	-9.03	-8.97	-9.29	-9.63	-10.14	-10.00	-9.20	-9.02	-9.60
14	-6.82	-7.31	-7.71	-8.22	-8.94	-9.70	-10.07	-10.52	-10.78	-11.19	-11.26	-11.96	-11.86	-11.66	-11.15	-11.28	-10.77
15	-4.81	-4.83	-5.00	-5.01	-5.19	-5.86	-6.33	-6.62	-6.62	-6.78	-7.55	-7.81	-8.30	-8.29	-8.20	-8.00	-8.91
16	-3.86	-4.25	-4.65	-4.86	-5.01	-5.05	-5.08	-5.03	-4.86	-4.85	-4.74	-4.63	-4.56	-4.33	-4.75	-4.77	-4.52
17	-4.30	69.20	-4.18	-4.29	-4.24	-4.12	-4.00	-4.01	-3.90	-3.84	-3.67	-3.46	6.45	2.81	-3.71	-3.72	-3.72

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 38: Labour mobility index of Denmark*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-8.34	-5.43	-17.84	-17.47	-13.57	-16.66	-16.60	-16.95	52.55	43.55	54.65	-6.32	51.73	-15.87	71.25	45.00	59.90
2	-0.58	14.55	3.86	32.04	9.76	23.19	26.81	26.03	29.70	28.29	27.53	28.12	31.31	16.71	11.83	37.86	22.00
3	-14.48	-14.39	-14.21	-13.90	-13.72	-13.97	-14.16	-14.59	-14.66	-14.71	-14.21	-13.92	-13.37	-13.40	-14.83	-16.28	-15.83
4	-3.30	-3.00	-2.65	-2.58	1.63	3.22	-2.25	71.05	-2.05	-1.94	-1.83	-1.75	-1.65	-1.62	-1.40	-1.50	-1.50
5	89.42	71.77	94.96	67.17	81.80	70.06	72.38	0.10	-0.11	-0.09	-0.08	-0.07	-0.06	-0.06	-0.05	-0.06	-0.06
6	-2.51	-2.57	-2.62	-2.68	-2.67	-2.75	-2.67	-2.63	-2.61	-2.77	-2.94	-3.05	-2.94	-2.90	-2.58	-2.30	-2.25
7	-8.56	-8.86	-8.96	-9.25	-9.48	-9.48	-8.96	-8.89	-8.61	-8.45	-8.27	-8.04	-7.90	-7.98	-7.61	-8.09	-7.54
8	-0.15	-0.14	-0.14	-0.13	-0.13	-0.11	-0.12	-0.13	-0.13	-0.13	-0.14	-0.16	-0.16	-0.15	-0.57	-0.28	-0.41
9	-4.48	-4.36	-4.57	-4.61	-4.62	-4.52	-4.97	-5.01	-5.56	-5.76	-5.90	-5.79	-5.99	-6.11	-5.49	-5.36	-5.16
10	-3.31	-3.45	-3.54	-3.70	-3.82	-3.86	-3.92	-3.90	-4.11	-4.15	-4.09	-4.10	-4.17	-3.92	-3.73	-3.66	-3.34
11	-3.38	-3.29	-3.34	-3.52	-3.72	-3.53	-3.40	-3.20	-3.04	-3.05	-3.07	-3.22	-3.33	-3.49	-3.08	-3.31	-3.01
12	-9.30	-9.52	-9.55	-9.36	-9.44	-9.59	-9.77	-9.50	-9.47	-9.69	-9.71	-10.21	-10.72	-11.00	-8.90	-8.91	-9.38
13	-11.63	-11.94	-11.89	-12.20	-11.98	-12.05	-12.24	-12.16	-12.33	-12.36	-12.20	-12.37	-12.55	69.82	-13.31	-13.58	-13.57
14	-7.13	-7.43	-7.44	-7.73	-8.29	-8.56	-9.23	-9.48	-9.11	1.40	-9.30	51.36	-9.71	-9.85	-11.15	-11.15	-11.09
15	-3.74	-3.66	-3.60	-3.44	-3.23	-2.92	-2.83	-2.86	-2.56	-2.36	-2.67	-2.57	-2.71	-2.94	-3.26	-0.57	-0.64
16	-5.63	-5.44	-5.65	-5.72	-5.71	-5.66	-5.53	-5.31	-5.33	-5.21	-5.13	-5.11	-4.94	-4.31	-4.34	-4.84	-5.01
17	-2.90	-2.84	-2.85	-2.93	-2.80	-2.81	-2.55	-2.57	-2.58	-2.58	-2.65	-2.80	-2.85	-2.93	-2.78	-2.97	-3.11

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 39: Labour mobility index of Finland*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-26.79	-25.60	-24.62	-22.69	-22.64	-22.07	-21.27	-20.89	-21.18	-21.41	-21.34	-21.12	-21.02	-21.24	-19.96	-20.68	-20.02
2	-0.92	-0.93	-1.03	-0.93	-0.94	-0.93	-0.95	-0.98	-0.98	-0.95	-1.00	-1.10	-1.06	-1.09	-1.17	-1.24	-1.32
3	-7.69	-7.66	-7.41	-7.45	-7.19	-6.85	-6.76	-6.92	-7.14	-6.96	-6.82	-6.66	-6.60	-6.49	-6.42	-6.65	-6.80
4	-2.96	-2.86	-2.86	-2.91	-2.86	-2.71	-2.67	-2.65	-2.49	-2.34	-2.23	-2.15	-2.02	-1.80	-1.97	-1.85	-1.91
5	-0.65	-0.59	-0.53	-0.55	-0.54	-0.50	-0.49	-0.46	-0.46	-0.43	-0.43	-0.41	-0.38	-0.35	-0.38	-0.36	-0.37
6	-4.96	-4.81	-4.97	-5.08	-5.07	-5.13	-5.08	-5.13	-5.16	-5.29	-5.18	-5.25	-5.20	-4.93	-5.51	-5.63	-5.60
7	-12.20	-12.03	-11.89	-11.86	-11.87	-11.83	-11.79	-11.85	-11.84	-11.74	-11.22	-10.87	-10.29	-9.69	-10.41	-10.35	-10.44
8	-0.55	-0.57	-0.56	-0.55	-0.52	-0.60	-0.58	-0.56	-0.49	-0.52	-0.42	-0.43	-0.46	-0.43	-0.52	-0.52	-0.49
9	-3.13	-3.13	-3.04	-3.09	-3.04	-3.03	-3.09	-3.15	-3.24	-3.24	-3.17	-3.10	-3.16	-3.27	-3.43	-3.45	-3.46
10	-2.31	-2.39	-2.60	-2.79	-2.91	-3.06	-2.96	-3.04	-2.87	-2.90	-2.87	-2.79	-2.77	-2.80	-2.83	-2.80	-2.93
11	-2.30	-2.27	-2.33	-2.48	-2.58	-2.71	-2.68	-2.72	-2.76	-2.79	-2.91	-2.98	-2.97	-2.97	-2.81	-2.82	-2.79
12	92.40	91.91	90.96	90.76	-9.18	-9.46	-10.03	-10.21	-10.41	-10.48	-10.93	-11.20	-11.66	-11.82	-12.48	-12.23	-12.40
13	-9.27	-9.91	-9.81	-10.14	-9.76	-9.98	-10.30	-10.50	-10.62	-10.63	-10.96	-11.37	-11.64	-12.42	-11.07	-10.67	-11.45
14	-8.47	-9.07	-9.30	-10.09	89.02	88.77	88.67	88.97	89.30	89.09	88.84	88.95	88.82	88.92	88.72	88.72	89.34
15	-4.03	-3.97	-3.79	-3.86	-3.77	-3.95	-4.03	-4.03	-3.92	-3.64	-3.62	-3.78	-3.86	-3.98	-4.11	-3.85	-3.83
16	-2.81	-2.78	-2.98	-3.08	-3.06	-3.13	-3.14	-3.10	-3.07	-3.07	-3.01	-3.03	-3.08	-2.84	-2.60	-2.65	-2.64
17	-3.35	-3.35	-3.26	-3.21	-3.07	-2.84	-2.85	-2.77	-2.68	-2.69	-2.72	-2.73	-2.67	-2.80	-3.05	-2.97	-2.90

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 40: Labour mobility index of France*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	78.93	58.38	21.89	32.74	24.63	8.78	67.02	66.50	16.47	25.66	50.38	23.24	17.66	25.36	68.46	79.90	80.22
2	-1.02	-1.00	-0.94	-0.87	-0.81	-0.79	-0.64	-0.64	-0.65	-0.67	-0.69	-0.70	-0.71	-0.75	-0.75	-0.75	-0.75
3	-10.79	-11.08	-11.39	-11.60	-11.71	-11.76	-11.72	-12.19	-12.47	-12.48	-12.68	-12.93	-13.09	-13.96	-12.21	-12.64	-12.55
4	-5.66	-5.44	-5.28	-5.13	-4.89	-4.48	-4.28	-4.03	-3.84	-3.53	-3.27	-3.00	27.56	25.99	-2.85	-2.79	-2.56
5	-1.09	-1.04	-1.00	-0.95	-0.92	-0.88	-0.86	-0.82	-0.79	-0.73	-0.68	-0.67	-0.67	-0.68	-0.76	-0.74	-0.68
6	-2.00	-1.97	-1.93	-1.89	-1.86	-1.86	-1.85	-1.88	-1.92	-1.94	-1.90	-1.93	-1.95	-2.00	-1.83	-1.76	-1.77
7	-6.31	-6.28	-6.29	-6.33	-6.38	-6.37	-6.42	-6.32	-6.30	-6.33	-6.22	-6.12	-6.06	-5.96	-6.22	-6.29	-6.47
8	-0.67	-0.67	-0.64	-0.57	-0.53	-0.54	-0.55	-0.54	-0.57	-0.58	-0.59	-0.60	-0.58	-0.60	-0.50	-0.51	-0.71
9	-3.18	-3.14	-3.12	-3.10	-0.19	10.84	10.28	10.70	11.20	11.68	26.07	24.78	24.62	23.56	8.32	-3.30	-2.98
10	-3.89	-3.92	-3.95	-4.05	-4.14	-4.34	-4.46	-4.53	-4.59	-4.76	-4.77	-4.73	-4.69	-4.61	-4.55	-4.65	-4.49
11	-3.11	-3.10	-3.03	-3.01	-2.99	-2.98	-2.99	-2.98	-2.97	-2.99	-2.99	-2.92	-3.02	-3.12	-3.12	-3.01	-2.91
12	-11.66	-11.81	-11.87	-12.00	-12.13	-12.29	-12.46	-12.47	-12.38	-12.37	-12.34	-12.46	-12.57	-12.43	-11.95	-11.74	-13.53
13	-7.00	-7.01	-7.01	-6.99	-7.04	-7.00	-7.04	-6.84	-6.90	-7.02	-7.06	-7.02	-7.12	-7.22	-7.90	-7.75	-8.13
14	-8.47	-8.58	-8.55	-8.69	-8.83	-9.04	-9.14	-8.96	-8.65	-8.16	-7.98	-8.14	-8.20	-8.32	-6.99	-6.97	-7.43
15	-6.73	14.02	50.53	39.80	45.25	50.29	-7.19	-7.33	42.05	32.02	-7.49	21.07	-3.37	-7.31	-8.86	-8.77	-6.87
16	-3.88	-3.87	-3.89	-3.88	-3.96	-3.99	-4.05	-4.00	-4.01	-4.01	-3.99	-3.97	-3.89	-4.03	-3.79	-3.56	-3.64
17	-3.47	-3.48	-3.52	-3.47	-3.49	-3.60	-3.66	-3.69	-3.66	-3.77	-3.82	-3.88	-3.91	-3.94	-4.51	-4.67	-4.74

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 41: Labour mobility index of Germany*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-10.70	-9.99	-9.97	-10.02	-10.02	-9.88	-9.77	-9.76	-9.76	-9.82	-9.75	-9.66	-9.70	-8.35	-10.08	-10.47	-10.09
2	-1.93	-1.84	-1.63	-1.51	-1.42	-1.35	-1.11	-1.10	-1.10	-1.06	-1.03	-0.99	-0.94	-0.94	-0.77	-0.74	-0.57
3	39.76	-9.31	-9.57	-9.72	-9.94	-10.08	-10.07	-10.47	-10.85	-10.77	-10.79	-10.83	-10.58	-10.63	-9.06	-9.46	-9.10
4	-3.31	15.99	25.03	24.86	23.45	23.37	22.34	17.88	-2.18	-2.10	-2.01	-1.97	-1.85	-1.76	17.13	16.56	13.08
5	-0.43	-0.41	-0.40	-0.39	-0.36	-0.36	-0.35	-0.33	-0.31	-0.30	-0.26	-0.27	-0.27	-0.28	-0.27	-0.26	-0.25
6	-2.42	-2.44	-2.31	-2.24	0.57	-2.17	-2.04	-2.06	-1.92	-2.08	-1.89	0.91	-1.81	8.53	-1.38	8.81	8.08
7	-7.68	-7.81	-7.97	-7.96	-7.11	-7.21	-7.16	-7.17	-7.06	-6.98	-7.04	-6.95	-6.88	-6.17	-5.00	-5.24	-5.19
8	-0.25	-0.24	-0.23	-0.22	-0.25	-0.24	-0.25	-0.26	-0.24	-0.24	-0.23	-0.23	-0.23	-0.20	-0.18	-0.14	-0.15
9	-5.35	-5.67	-5.59	-5.39	-5.43	-5.37	-5.36	-5.35	-5.49	-5.22	-5.19	-5.22	-5.22	-5.22	-4.77	-4.86	-4.70
10	-0.48	-4.08	-4.20	-4.29	-4.32	-3.54	-3.15	-4.41	6.06	-4.48	-4.55	-4.41	-4.45	-4.73	-4.30	-4.60	16.15
11	0.73	-3.44	-3.30	6.39	15.62	-3.28	-3.16	-3.08	0.77	3.67	-2.88	-2.84	-2.81	-2.79	11.39	5.63	-2.51
12	-7.99	37.12	35.30	26.83	31.82	34.54	9.08	25.38	50.93	36.75	7.42	27.48	12.06	14.82	-13.96	-15.56	-16.20
13	-7.12	-3.69	13.11	3.28	-3.76	14.54	0.41	-10.64	-12.19	12.93	3.02	4.02	3.62	-11.14	-14.88	-7.48	-14.64
14	-11.53	-11.37	-11.51	-11.36	-11.36	-11.59	-11.79	-11.80	2.50	7.46	10.15	5.07	7.81	5.22	8.08	5.37	3.68
15	26.13	14.65	-9.39	-1.04	-10.43	-10.66	29.02	29.71	-2.73	-11.37	31.49	12.35	27.88	30.48	34.71	29.26	29.07
16	-3.79	-3.83	-3.77	-3.73	-3.70	-3.58	-3.50	-3.36	-3.20	-3.10	-3.17	-3.14	-3.36	-3.57	-3.12	-3.12	-3.01
17	-3.64	-3.66	-3.60	-3.50	-3.37	-3.14	-3.16	-3.19	-3.23	-3.29	-3.30	-3.31	-3.26	-3.28	-3.55	-3.73	-3.64

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 42: Labour mobility index of Great Britain*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-5.47	-11.01	-11.22	-10.67	-10.29	-10.00	-9.88	-10.26	-10.78	-11.48	-12.49	-12.43	-12.63	-13.66	-14.83	-14.35	-14.57
2	-1.79	-1.66	-1.62	-1.59	-1.58	-1.77	-1.87	-1.82	-1.69	-1.59	-1.55	-1.69	-1.89	-1.94	-1.97	-2.00	-1.98
3	-10.52	26.12	37.21	17.51	40.38	33.81	34.84	24.53	-11.20	-11.48	-11.37	-11.32	-11.23	-11.07	-10.90	-10.80	-10.93
4	44.45	12.71	-4.62	-4.47	-4.13	-3.78	-3.45	-3.13	39.49	35.15	35.58	35.52	-2.37	-2.34	-1.44	-2.22	1.75
5	-0.63	-0.55	-0.50	-0.47	-0.46	-0.41	-0.35	9.86	9.04	7.31	7.16	7.15	7.23	6.97	6.56	6.00	5.82
6	15.69	14.99	18.75	17.17	15.03	20.30	19.23	20.06	-1.16	20.68	17.58	15.89	22.24	-1.38	-1.36	-1.33	-1.14
7	-10.37	-10.09	-9.80	-9.99	-10.57	-10.77	-10.84	-10.83	-10.82	-10.80	-10.69	-10.64	-10.56	-10.41	-10.25	-9.55	-8.87
8	-1.45	-1.51	-1.45	-1.40	-1.53	-1.48	-1.41	-1.67	-1.70	-1.81	-1.79	-1.79	-1.77	-1.75	-1.72	-2.03	-2.51
9	-7.78	-7.65	-7.38	-7.18	-7.50	-7.57	-7.74	-8.08	-8.15	-8.15	-8.07	-8.03	-7.97	-7.86	-7.73	-6.90	-6.49
10	-3.90	-3.91	-4.02	-4.39	-4.48	-4.58	-4.66	-4.58	-4.65	-4.76	-4.71	-4.69	-4.65	-4.59	-4.52	-4.18	-4.09
11	-3.05	-3.02	-2.88	-2.86	-2.81	-2.86	-2.83	-2.91	-3.04	-3.11	-3.08	-3.07	-3.04	-3.00	-2.95	-2.86	-2.74
12	-10.85	-10.65	-10.61	-11.13	-10.86	-10.51	-10.30	-10.11	-10.04	-9.89	-9.79	-9.74	23.37	47.20	33.99	-9.58	-9.62
13	-7.61	-7.37	-7.50	-7.66	-7.50	-7.47	-7.39	-7.29	-7.34	-7.23	-7.16	-7.13	-7.07	-6.97	2.06	49.14	47.43
14	-10.30	-10.33	-10.42	-10.61	-10.87	-11.37	-11.11	-10.14	4.54	-8.95	-8.86	-8.82	-8.75	-8.63	-8.49	-8.23	-7.61
15	-9.46	-9.75	-10.08	-10.19	-10.00	-9.90	-10.05	-10.26	-10.38	-10.55	-10.44	-10.39	-10.31	-10.17	-10.00	-11.59	-11.92
16	25.86	26.61	28.98	29.50	29.94	31.08	30.73	29.60	29.04	28.71	31.71	31.26	32.61	32.85	36.90	33.87	30.84
17	-2.84	-2.94	-2.86	18.43	-2.78	-2.72	-2.91	-2.98	-1.16	-2.05	-2.03	-0.07	-3.22	-3.26	-3.35	-3.39	-3.36

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 43: Labour mobility index of Greece*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-58.60	-58.10	-58.03	-57.39	-57.80	-57.21	-54.43	-54.10	-54.00	-50.93	-50.94	-50.37	-49.30	-45.87	-48.06	-49.12	-46.67
2	-1.11	-1.15	-1.13	-1.12	-1.00	-1.12	-1.19	-1.05	-1.17	-1.24	-1.20	-1.21	-1.23	-1.06	-1.33	-1.23	-1.32
3	-7.81	-7.95	-8.15	-8.12	-8.18	-8.51	-9.37	-9.84	-9.77	-9.99	-10.61	-11.11	-10.91	-11.33	90.22	-9.45	68.83
4	-8.18	-8.09	-7.80	-7.85	-7.74	-7.96	-7.37	-7.20	-7.30	-6.86	-6.41	-6.20	-6.39	-6.93	-7.44	-7.23	-7.47
5	-0.76	-0.77	-0.67	-0.67	-0.66	-0.64	-0.72	-0.57	-0.54	-0.65	-0.73	-0.64	-0.57	-0.40	-0.39	-0.38	-0.39
6	-1.85	-1.95	-1.91	-1.89	-1.90	-1.87	-1.76	-1.67	-1.65	-2.25	-2.27	-1.94	-1.78	-1.55	-1.43	-1.35	-1.12
7	-2.84	-2.90	-3.00	-3.08	-3.08	-2.99	-3.15	-3.25	-3.19	-3.77	-3.66	-3.94	-4.29	-5.12	-3.93	-3.98	-3.77
8	-0.34	-0.33	-0.31	-0.34	-0.33	-0.30	-0.38	-0.41	-0.41	-0.49	-0.51	-0.42	-0.37	-0.36	-0.61	-0.37	-0.32
9	-1.79	-1.77	-1.81	-1.86	-1.77	-1.82	-2.02	-2.15	-1.86	-2.47	-2.80	-2.84	-2.96	-3.31	-3.21	-2.17	-2.77
10	98.91	98.90	98.87	27.85	98.85	-1.09	-1.51	-1.52	-1.43	-1.70	-1.49	-1.52	3.89	10.61	-2.00	-3.07	-2.75
11	-2.36	-2.40	-2.47	68.44	-2.46	97.52	97.50	97.42	97.35	97.17	97.28	97.44	91.92	85.34	-2.41	97.63	-2.62
12	-3.13	-3.17	-3.15	-3.32	-3.39	-3.40	-4.36	-4.66	-4.78	-5.01	-4.78	-4.93	-5.10	-5.48	-7.42	-6.09	-6.15
13	-1.73	-1.79	-1.79	-1.87	-1.80	-1.85	-2.05	-1.74	-2.00	-2.48	-2.27	-2.32	-2.49	-2.44	-2.01	-2.01	-2.71
14	-0.93	-1.04	-1.02	-1.09	-1.13	-1.16	-1.51	-1.82	-1.82	-1.83	-1.85	-2.23	-2.35	-2.46	-1.84	-1.52	-1.40
15	-1.77	-1.68	-1.65	-1.68	-1.59	-1.59	-1.58	-1.53	-1.58	-1.71	-1.81	-1.90	-1.89	-2.45	-2.03	-2.38	-2.94
16	-3.15	-3.12	-3.23	-3.29	-3.31	-3.31	-3.42	-3.47	-3.57	-3.34	-3.56	-3.50	-3.71	-4.94	-3.89	-5.08	-5.36
17	-2.57	-2.68	-2.76	-2.72	-2.72	-2.71	-2.66	-2.44	-2.28	-2.45	-2.41	-2.38	-2.48	-2.24	-2.21	-2.20	18.92

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 44: Labour mobility index of Hungary*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-36.75	-37.90	-36.56	-34.43	-34.08	-32.62	-30.39	-29.79	-27.27	-26.23	74.47	-24.99	-23.74	-24.28	-24.11	-26.02	-28.46
2	-2.09	-2.00	-1.66	-1.53	-1.46	-1.21	-0.84	-0.94	-0.88	-1.01	-1.09	-1.11	-1.09	-0.69	-0.60	-0.91	-0.49
3	80.13	89.37	89.61	83.84	-9.89	-10.00	-10.49	-10.84	-11.04	-10.07	-10.30	-11.10	-10.19	-12.77	-14.20	-12.53	-13.17
4	-8.28	-7.83	-8.35	-8.91	-8.38	-8.50	-8.29	-7.88	-8.06	-7.27	-6.38	-6.18	-5.55	-4.48	-4.50	-4.28	-3.75
5	-2.04	-2.14	-2.40	-2.41	-2.33	-2.28	-2.18	-2.28	-1.73	-1.29	-1.08	-1.10	-0.97	-0.81	-0.81	-0.77	-0.95
6	-2.15	-2.27	-2.34	-2.23	-2.49	-2.40	-2.34	-2.54	-2.55	-2.75	-2.88	-3.01	-3.17	-2.33	-1.99	-1.75	-1.46
7	-2.89	-2.89	-2.55	-2.68	-2.81	-2.80	-3.13	-3.18	-3.30	-3.30	-3.46	-2.93	-3.55	-3.79	-3.84	-4.22	-3.54
8	9.23	-0.36	-0.31	5.64	5.70	-0.41	-0.45	-0.46	-0.44	-0.36	-0.43	-0.46	-0.48	-0.63	-0.54	-0.70	-0.70
9	-3.99	-3.91	-3.58	-3.69	-3.72	-3.36	-3.07	-3.04	-3.33	-3.73	-3.90	-3.44	-3.46	-3.47	-3.61	-3.22	-3.05
10	-1.82	-1.78	-2.10	-2.13	-2.38	-2.90	-2.69	-2.98	-2.89	-3.07	-3.01	-3.27	-3.41	-3.90	-3.66	-3.78	-3.74
11	-2.13	-2.02	-1.83	-1.85	-1.95	-2.13	-2.41	-2.25	-2.57	-2.41	-2.33	85.80	97.84	97.55	-2.19	-1.83	-1.80
12	-5.77	-5.42	-5.68	-5.76	-6.10	-6.08	-6.62	-7.12	-7.55	-7.55	-7.89	-8.19	-8.39	-7.70	-7.80	-6.20	-6.31
13	-5.41	-4.86	-5.12	-5.10	-5.06	-4.22	-4.41	-4.26	-4.46	-4.48	-4.52	-4.81	-5.26	-5.35	94.46	93.36	91.62
14	-5.74	-6.26	-6.60	-7.57	-7.80	-5.87	88.93	89.20	88.27	80.27	-13.67	-1.46	-14.31	-12.81	-11.91	-13.30	-9.62
15	-2.08	-2.47	-2.53	-3.11	-3.30	-3.13	-3.57	-4.06	-4.28	-4.70	-5.29	-5.30	-6.25	-6.09	-5.77	-5.02	-6.04
16	-2.26	-1.86	-2.04	-2.17	-2.44	-2.97	-3.00	-2.84	-3.23	-3.50	-3.43	-3.38	-3.15	-3.12	-3.16	-2.66	-2.61
17	-5.96	-5.41	-5.96	-5.90	88.47	90.86	-5.05	-4.73	-4.69	1.44	-4.81	-5.06	-4.86	-5.33	-5.76	-6.15	-5.92

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 45: Labour mobility index of Ireland*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-35.70	-33.73	-32.37	-30.91	-31.04	-29.14	-28.17	-28.61	-28.30	-28.05	-28.11	-28.33	-28.31	-27.48	-25.45	-23.51	-18.13
2	-1.35	-1.21	-1.48	-1.46	-1.33	-1.48	-1.56	-1.63	-1.69	-1.81	-1.83	-2.08	-2.08	-2.13	-2.11	-1.88	-1.78
3	-12.00	-12.27	-11.88	-11.97	-11.88	-12.06	-13.00	-13.30	-13.70	-13.23	-13.32	-12.69	-12.49	-11.34	-11.87	-11.50	-12.99
4	-5.36	-5.02	-4.55	-3.98	-3.13	-2.83	-2.66	-2.50	-2.21	-1.89	-1.78	-1.59	-1.64	-1.78	-1.69	-1.50	-1.23
5	-0.36	-0.29	-0.29	-0.30	-0.25	-0.19	-0.20	-0.20	-0.17	-0.14	-0.12	-0.06	-0.08	-0.10	-0.10	-0.09	-0.07
6	-1.31	-1.35	-1.47	-1.46	-1.62	-1.79	-1.81	-2.04	-2.29	-2.05	-2.31	-2.26	-2.23	-2.07	-1.95	-2.29	-2.36
7	-5.49	90.70	-6.03	-6.26	-6.32	-6.27	-6.47	-6.55	-6.31	-6.42	93.87	94.15	94.08	93.42	9.52	93.83	94.91
8	-1.81	-1.90	-2.06	-2.16	-1.99	-2.28	-2.33	-2.44	-2.36	-2.54	-2.50	-2.72	-2.57	-6.03	-5.75	-5.09	-3.97
9	95.32	-1.44	94.71	94.56	94.33	94.29	93.73	93.33	93.40	93.24	-6.77	-7.03	-7.04	-6.55	77.53	-9.39	-9.84
10	-2.54	-2.77	-2.61	-2.76	-2.63	-2.77	-2.56	-2.58	-2.71	-2.80	-2.83	-2.73	-2.79	-2.56	-2.71	-2.32	-2.78
11	-2.73	-2.78	-2.85	-2.83	-2.91	-3.08	-2.97	-3.00	-2.78	-3.43	-3.40	-3.36	-3.37	-2.67	-2.58	-2.21	-2.64
12	-3.90	-4.22	-4.20	-4.47	-4.57	-5.06	-4.69	-4.95	-5.13	-5.09	-5.29	-5.47	-5.48	-5.65	-5.27	-5.05	-5.37
13	-3.91	-3.96	-4.03	-3.89	-3.98	-3.89	-3.97	-3.68	-3.47	-3.45	-3.37	-3.42	-3.41	-3.09	-3.62	-4.68	-5.34
14	-11.74	-12.46	-14.21	-15.10	-15.79	-16.86	-16.46	-14.88	-14.70	-15.01	-15.27	-15.80	-15.72	-16.38	-17.15	-18.19	-21.67
15	-2.50	-2.49	-2.39	-2.38	-2.42	-2.39	-2.57	-2.63	-2.77	-2.67	-2.60	-2.46	-2.50	-1.96	-3.05	-2.34	-2.87
16	-1.42	-1.45	-1.50	-1.64	-1.54	-1.29	-1.22	-1.21	-1.55	-1.25	-1.10	-1.02	-1.22	-0.96	-0.96	-0.85	-0.82
17	-3.20	-3.35	-2.77	-3.01	-2.93	-2.91	-3.09	-3.14	-3.27	-3.43	-3.29	-3.13	-3.14	-2.67	-2.79	-2.94	-3.03

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 46: Labour mobility index of Italy*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-19.97	-19.37	-19.16	-18.24	-17.57	-17.53	-17.67	-17.14	-16.13	-16.44	-16.48	-16.63	-16.21	-15.98	-15.86	-16.82	-16.10
2	-0.66	-0.64	-0.65	-0.66	-0.68	-0.65	-0.65	-0.71	-0.68	-0.66	-0.67	-0.65	-0.64	-0.64	-0.79	-0.71	-0.66
3	-7.41	-7.22	11.19	-7.67	-7.57	44.98	5.64	-3.72	21.96	36.59	40.19	43.18	44.65	44.62	31.04	79.30	28.00
4	-11.74	-11.46	-11.29	-11.28	-10.58	-10.50	-10.54	-10.53	-10.55	-10.26	-9.76	-9.16	-9.04	-9.25	-9.85	-9.42	-9.30
5	-3.62	-3.67	-3.67	-1.03	-3.51	-3.47	-2.25	-3.34	-3.34	-3.16	-2.92	-2.82	-2.86	-2.90	-2.86	-2.74	-2.91
6	-3.03	-2.89	-2.83	-2.88	-2.98	-3.01	-3.01	-3.06	-3.02	-2.97	-2.80	-2.79	-2.71	-2.54	-2.32	-2.31	-2.14
7	-4.26	-4.37	-4.24	-4.30	-4.39	-4.33	-4.33	-4.34	-4.38	-4.38	-4.37	-4.36	-4.29	-4.33	-4.20	-4.19	-4.12
8	-0.40	-0.40	-0.39	-0.41	-0.42	-0.43	-0.42	-0.38	-0.39	-0.40	-0.42	-0.42	-0.43	-0.42	-0.33	-0.60	-0.79
9	-3.29	-3.25	-3.31	-3.34	-3.41	-3.38	-3.36	-3.44	-3.35	-3.32	-3.39	-3.37	-3.36	-3.32	-3.52	-3.46	-3.72
10	-2.94	-3.08	-3.24	-3.38	-3.46	-3.51	-3.48	-3.48	7.54	21.74	4.40	0.70	-3.14	-3.24	-2.90	-2.90	-3.05
11	-3.97	-4.05	-4.02	-3.86	-4.01	-4.06	-4.19	-4.24	-4.21	-4.12	-4.22	-4.07	-4.20	-4.01	-3.53	-3.54	-3.47
12	-11.56	-12.20	-12.27	-12.53	-13.05	-12.95	-13.20	-13.34	-13.93	-13.77	-13.99	-14.54	-14.92	-15.06	-14.47	-14.39	21.86
13	37.40	34.32	14.37	26.80	35.04	14.94	32.13	46.87	49.60	20.36	34.04	34.61	36.89	36.54	47.90	-0.85	15.12
14	47.68	50.50	51.61	54.80	48.73	16.02	37.22	32.66	-7.43	-7.44	-7.68	-7.78	-7.86	-7.47	-6.98	-7.04	-6.40
15	-4.60	-4.61	-4.68	-4.65	-4.64	-4.61	-4.49	-4.41	-4.35	-4.44	-4.47	-4.53	-4.60	-4.49	-5.13	-4.96	-5.02
16	-5.14	-5.07	-4.99	-5.00	-5.21	-5.21	-5.18	-5.21	-5.20	-5.25	-5.34	-5.22	-5.18	-5.38	-5.46	-5.37	-5.07
17	-2.50	-2.53	-2.43	-2.36	-2.31	-2.28	-2.21	-2.19	-2.13	-2.08	-2.12	-2.15	-2.10	-2.13	-0.74	0.00	-2.23

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 47: Labour mobility index of Netherlands*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	26.76	-21.29	32.06	-9.80	1.07	24.38	-20.87	-21.23	-21.50	-21.52	-21.57	-21.36	-21.10	-20.55	-21.03	-21.38	-20.81
2	3.03	-0.81	-0.76	-0.77	-0.74	-0.72	-0.69	-0.74	-0.73	-0.73	-0.64	-0.62	-0.62	-0.63	-0.62	-0.63	-0.60
3	-11.91	31.91	15.70	62.80	66.59	-11.68	88.49	88.49	88.57	88.62	88.63	88.67	88.84	88.30	80.34	-10.03	-0.14
4	-2.56	-2.32	-2.31	-2.20	-2.15	-2.11	-2.07	-1.95	-1.86	-1.72	-1.64	-1.62	-1.61	-1.56	-1.48	-1.45	-1.47
5	-0.39	-0.34	-0.34	-0.30	-0.27	-0.24	-0.25	-0.22	-0.21	-0.20	-0.19	-0.18	-0.17	-0.15	-0.14	-0.13	-0.13
6	-1.68	-1.69	-1.75	-1.76	-1.73	-1.71	-1.69	-1.66	-1.58	-1.60	-1.64	-1.62	-1.67	-1.69	-1.57	-1.48	-1.41
7	-10.90	-10.46	-10.28	-9.95	-9.86	-9.69	-9.33	-9.02	-9.06	-8.97	-8.95	-8.95	-8.89	-8.67	-8.13	-7.86	-7.99
8	-0.49	-0.53	-0.51	-0.50	-0.47	-0.45	-0.46	-0.48	-0.49	-0.52	-0.53	-0.52	-0.53	-0.62	6.87	4.46	4.58
9	43.09	51.03	13.87	9.37	-5.33	-5.33	-5.35	-5.50	-5.54	-5.52	-5.52	-5.54	-5.46	-5.19	-5.42	86.99	76.68
10	-2.38	-2.33	-2.45	-2.56	-2.61	-2.69	-2.73	-2.70	-2.71	-2.76	-2.78	-2.77	-2.79	-2.79	-2.64	-2.58	-2.72
11	-2.58	-2.59	-2.58	-2.74	-2.66	-2.69	-2.57	-2.52	-2.50	-2.46	-2.47	-2.49	-2.47	-2.48	-2.35	-2.26	-2.29
12	-9.29	-9.57	-9.55	-9.68	-9.85	-9.86	-9.86	-9.90	-9.78	-9.72	-9.81	-9.85	-10.08	-11.04	-10.29	-10.19	-10.37
13	-6.04	-6.24	-6.37	-6.81	-6.88	-6.96	-7.11	-6.95	-6.94	-7.06	-7.19	-7.32	-7.58	-7.38	-7.60	-7.29	-6.95
14	-7.53	-7.66	-7.71	-7.52	-7.39	47.61	-7.50	-7.38	-7.06	-6.96	-6.87	-6.94	-6.91	-6.83	-7.09	-7.18	-7.35
15	-4.19	-4.01	-3.93	-4.15	-4.23	-4.27	-4.21	-4.25	-4.25	-4.18	-4.07	-4.01	-4.08	-4.06	-4.29	-4.22	-4.19
16	-10.15	-10.40	-10.49	-10.85	-10.98	-11.17	-11.41	-11.53	-11.88	-12.22	-12.28	-12.42	-12.39	-12.13	-12.19	-12.35	-12.15
17	-2.80	-2.71	-2.60	-2.60	-2.53	-2.43	-2.38	-2.46	-2.47	-2.46	-2.49	-2.45	-2.49	-2.53	-2.36	-2.42	-2.68

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 48: Labour mobility index of Poland*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-50.60	-51.88	-51.66	-51.82	-53.55	-55.02	-44.62	-46.25	-44.78	-43.79	-42.74	-40.00	-38.24	-36.96	-37.47	-38.87	-35.17
2	-4.93	-4.61	-4.34	-4.07	-3.68	-3.36	-4.47	-4.45	-4.40	-3.96	-3.91	-4.11	-4.22	-3.93	-3.92	-3.94	-4.01
3	-7.19	-6.72	-7.43	-7.17	-7.11	-7.00	-8.34	-8.50	-9.24	-9.23	-9.07	-9.06	-9.36	-4.58	-9.45	16.89	74.43
4	-7.06	-6.44	-6.12	-6.24	-5.51	-4.83	-6.37	-5.90	-5.76	-5.63	-5.73	-5.65	-5.25	-5.39	-5.30	-5.33	-5.51
5	-1.23	-1.28	-1.09	-0.86	-1.07	-0.79	-1.01	-0.87	-0.80	-0.74	-0.79	-0.69	-0.85	-0.88	-0.86	-0.87	-0.99
6	-1.63	-1.83	-1.79	-1.81	-1.85	-2.11	-3.59	-3.45	-3.45	-3.03	-3.12	-3.33	-3.28	-3.37	-3.31	-3.52	-3.62
7	96.75	74.50	92.00	91.99	90.90	83.15	97.26	88.73	91.73	92.56	49.52	42.28	39.38	39.59	47.25	23.06	12.60
8	-0.29	-0.18	-0.26	-0.29	-0.23	-0.32	-0.51	-0.49	-0.28	-0.29	-0.28	-0.24	-0.29	-0.30	-0.29	-0.43	-0.53
9	-1.86	-1.75	-1.69	-1.63	-1.55	-1.61	-1.95	-1.95	-1.96	-2.06	-2.03	-2.10	-2.02	-2.07	-2.04	-2.21	-2.18
10	-1.58	-1.52	-1.59	-1.68	-1.76	-1.71	-2.21	-1.98	3.77	2.56	45.44	52.13	54.84	49.45	46.92	44.91	-3.10
11	-1.86	-1.99	-2.05	-2.15	-2.08	-2.42	-2.55	-2.71	-2.99	-2.75	-2.72	-2.75	-2.93	-3.00	-2.95	-3.03	-3.32
12	-5.21	-4.95	-5.02	-5.12	-4.60	-4.33	-5.60	-5.43	-5.44	-5.57	-6.10	-7.13	-7.04	-7.22	-7.10	-7.00	-8.33
13	-3.56	-3.64	-3.51	-3.37	-3.15	-3.22	-3.05	-2.92	-3.01	-3.16	-3.13	-3.23	-3.73	-3.83	-3.77	-3.69	-3.27
14	-2.20	-2.44	-2.42	-2.58	-2.90	-2.56	-2.63	6.25	-2.70	-2.95	-2.96	-3.21	-3.68	-3.78	-3.72	-2.93	-2.61
15	-2.52	-2.83	-2.61	-2.84	-2.41	-2.51	-2.73	-2.60	-3.00	-3.49	-3.91	-4.48	-4.76	-4.88	-4.81	-4.15	-4.61
16	-2.88	-2.75	-3.31	-3.23	-3.40	-2.72	-3.22	-2.93	-3.22	-4.57	-4.49	-4.52	-4.86	-4.99	-4.91	-4.51	-5.10
17	-2.15	20.33	2.90	2.88	3.96	11.38	-4.41	-4.56	-4.46	-3.90	-3.98	-3.90	-3.70	-3.87	-4.27	-4.37	-4.67

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 49: Labour mobility index of Portugal*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-38.29	-38.32	-38.09	-36.91	-36.11	-37.11	-38.21	-37.79	-38.75	-38.41	-38.72	-38.76	-38.70	-39.00	-40.94	-42.05	-44.13
2	-0.87	-0.85	-0.93	-0.94	-0.97	-0.99	-1.00	-1.05	-1.03	-1.04	-1.07	-1.40	-1.39	-1.38	-1.34	-1.31	-1.29
3	-6.96	-6.98	-6.74	-7.04	-7.14	-7.11	-6.99	-7.06	-7.13	-7.31	-7.55	-7.52	-7.71	-7.67	-7.43	-7.28	-7.01
4	-17.12	-16.66	-16.49	-16.65	-16.58	-16.10	-15.70	-15.60	-14.99	-14.92	-14.38	-13.58	-13.20	-13.14	-12.73	-12.47	-12.00
5	-4.56	-4.46	-4.43	-4.34	-4.31	-4.13	-4.10	-4.08	-3.93	-3.80	-3.68	-3.25	-3.20	-3.18	-3.08	-3.02	-2.90
6	-3.79	-3.65	-3.72	-3.93	-3.84	-3.67	-3.61	-3.66	-3.63	-3.62	-3.67	-3.78	-3.75	-3.74	-3.62	-3.55	-3.41
7	46.34	-3.22	-3.21	-3.26	-3.21	-3.19	-3.05	-3.11	-3.14	-3.16	-3.22	-3.18	-3.14	-3.11	-2.98	-3.01	-2.94
8	-0.08	-0.08	-0.07	-0.01	-0.06	-0.06	2.33	0.89	0.99	2.42	-0.06	-0.14	-0.14	-0.14	-0.14	-0.13	-0.13
9	49.10	98.54	98.52	98.54	98.57	-1.37	-1.31	-1.39	-1.39	-1.38	-1.41	-1.46	-1.48	-1.47	-1.43	-1.40	-1.34
10	-1.30	-1.34	-1.29	-1.36	-1.44	98.50	-1.48	-1.58	-1.57	-1.65	-1.68	-1.77	-1.79	-1.78	-1.72	-1.69	-1.63
11	-4.11	-4.15	-4.17	-4.24	-4.40	-4.33	-4.27	-4.26	-4.17	-4.22	-4.15	-4.10	-4.08	-4.06	-3.94	-3.86	-3.71
12	-5.14	-5.29	-5.44	-5.76	-6.00	-5.93	-5.92	-6.03	-6.05	-6.23	-6.28	-6.45	-6.69	-6.66	-6.45	-6.32	-6.08
13	-2.63	-2.60	-2.69	-2.62	-2.77	-2.74	-2.65	-2.75	-2.78	-2.83	-2.82	-2.98	-3.12	-3.11	-3.01	-2.95	-2.84
14	-3.07	-3.25	-3.41	-3.41	-3.54	-3.60	-3.46	-3.17	-3.02	-2.97	-2.95	-3.00	-3.03	-3.02	-2.93	-2.87	-2.76
15	-2.02	-2.12	-2.18	-2.32	-2.37	-2.44	-2.46	-2.53	-2.42	-2.40	-2.44	-2.55	-2.55	-2.54	-2.46	-2.41	-2.32
16	-3.70	-3.83	-3.94	-4.05	-4.11	-4.09	-4.23	-4.41	-4.47	-4.52	-4.48	-4.45	-4.39	-4.37	-4.24	-4.15	-3.99
17	-1.78	-1.72	-1.72	-1.70	-1.74	-1.66	96.09	97.59	97.49	96.04	98.57	98.38	98.37	98.36	98.42	98.47	98.48

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 50: Labour mobility index of Spain*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-21.86	70.99	71.72	72.42	73.73	72.48	14.16	2.55	75.85	70.90	9.02	74.66	75.13	77.37	-24.19	-25.45	-25.55
2	-1.35	-1.30	-1.21	-1.10	-1.08	-1.01	-1.03	-1.05	-1.09	-1.13	-1.08	-1.07	-1.08	-1.02	-0.94	-0.95	-1.25
3	-11.15	-10.83	-10.66	-10.47	-10.47	-10.18	-9.97	-10.03	-10.41	-5.26	-10.90	-11.02	-11.05	-11.53	-13.04	-12.99	-12.70
4	-6.53	-6.46	-6.69	-6.77	-6.88	-6.69	-6.51	-6.11	-5.84	-5.43	-5.13	-4.88	-4.47	-4.14	-3.70	-3.82	-3.72
5	-1.99	-2.23	-2.17	-2.22	-2.07	-2.03	-1.88	-1.95	-1.87	-1.78	-1.67	-1.53	-1.51	-1.44	-1.29	-1.33	-1.46
6	-2.46	-2.50	-2.51	-2.59	-2.65	-2.74	-2.74	-2.79	-2.77	-2.83	-2.73	-2.82	-2.71	-2.68	-2.28	-2.22	-2.04
7	-4.76	-4.86	-5.06	-5.08	-5.12	-5.41	-5.27	-5.55	-5.57	-5.78	-5.87	-6.10	-6.06	-6.00	-6.31	-6.35	-6.52
8	-0.21	-0.22	-0.23	-0.22	-0.20	2.16	-0.19	-0.19	-0.19	-0.19	2.87	2.51	2.27	-0.47	-0.46	-0.47	-0.72
9	-3.85	-3.71	-3.76	-3.76	-3.79	-3.83	-3.88	-3.95	-4.05	-4.04	-4.06	-4.08	-4.17	-4.24	-4.70	-4.94	-4.90
10	-2.41	-2.54	-2.57	-2.64	-2.71	-2.88	43.59	49.13	-3.09	-3.08	-3.05	-3.04	-3.14	-3.33	-3.29	-3.01	-2.93
11	-4.50	-4.29	-4.34	-4.43	-4.67	-4.83	9.20	10.81	-5.13	-5.14	10.20	-5.46	-5.60	-5.25	-4.56	-4.17	38.49
12	83.56	-9.26	-9.42	-9.69	-10.08	-10.49	-11.05	-8.55	-11.48	-11.46	37.18	-11.89	-12.14	-11.84	88.83	89.29	46.93
13	-4.12	-4.25	-4.28	-4.46	-4.65	-4.86	-5.05	-5.21	-5.16	-5.18	-5.37	-5.41	-5.53	-5.48	-5.29	-5.17	-5.58
14	-4.39	-4.50	-4.49	-4.53	-4.59	-4.72	-4.86	-4.43	-4.27	-4.21	-4.22	-4.39	-4.46	-4.21	-3.89	-3.85	-3.48
15	-6.61	-6.56	-6.92	-6.94	-7.09	-7.18	-7.03	-7.08	-7.05	-7.31	-7.09	-7.30	-7.36	-7.38	-6.54	-6.78	-6.99
16	-5.17	-5.36	-5.40	-5.61	-5.86	-5.93	-5.98	-6.00	-6.04	-6.11	-6.01	-6.05	-5.89	-6.01	-5.53	-5.01	-4.74
17	-2.18	-2.11	-2.02	-1.91	-1.81	-1.85	-1.50	0.41	-1.83	-1.97	-2.07	-2.14	-2.23	-2.34	-2.82	-2.78	-2.84

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)

Table 51: Labour mobility index of Sweden*

Sector	Year																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1	-15.20	-14.66	-13.80	-13.12	-13.07	-13.35	-12.41	-12.36	-11.90	-11.97	-11.58	-11.42	-11.06	-11.21	-12.82	-13.37	-12.85
2	-0.95	-0.88	-0.93	-0.92	-0.86	-0.79	-0.79	-0.84	-0.89	-0.90	-0.94	-0.96	-0.89	-1.00	-1.45	-1.37	-1.19
3	-7.14	92.90	3.92	92.72	69.75	-6.89	-7.23	92.42	92.49	-7.29	-7.11	-7.04	-6.81	-6.64	-6.86	-7.12	-6.95
4	-1.55	-1.49	-1.42	-1.39	-1.35	-1.33	-1.28	-1.30	-1.24	-1.20	-1.12	-1.12	-1.11	-1.11	-1.14	-1.14	-1.25
5	-0.16	-0.18	-0.17	-0.15	-0.14	-0.14	-0.14	-0.13	-0.13	-0.15	-0.16	-0.17	-0.15	-0.14	0.00	0.00	0.00
6	-4.12	-4.10	-4.25	-4.21	-4.17	-4.27	-4.33	-4.30	-4.37	-4.48	-4.55	-4.61	-4.61	-3.82	-3.19	-3.48	-3.19
7	-11.27	-11.13	-10.70	-10.48	-10.46	-10.28	-10.00	-9.89	-9.87	-9.84	-9.79	-9.68	-9.43	-9.67	-9.45	-10.26	-9.92
8	-0.30	-0.31	-0.30	-0.30	-0.29	-0.29	-0.28	-0.31	-0.33	-0.35	-0.42	-0.40	-0.39	-0.41	-0.24	-0.34	-0.43
9	-3.97	-4.03	-4.20	-4.42	-4.36	-4.36	-4.44	-4.65	-4.58	-4.46	-4.45	-4.47	-4.36	-4.23	-3.46	-3.66	-3.56
10	-2.67	-2.83	-2.78	-2.80	-2.80	-2.85	-2.83	-2.83	-2.94	-2.78	-2.74	-2.78	-2.74	-2.63	-2.47	-2.55	-2.63
11	-2.04	-2.09	-2.02	-1.99	-1.98	-1.99	-2.02	-2.09	-1.99	-1.97	-2.02	-2.08	-2.16	-2.25	-2.10	-2.17	-2.33
12	-11.24	-11.44	-12.00	-12.25	-12.15	86.72	78.02	-12.37	-12.60	-12.89	-13.14	-13.25	-13.67	-13.77	-13.92	-13.63	-14.22
13	-10.77	-10.72	-11.02	-11.11	-11.13	-10.80	-10.97	-11.31	-11.46	-11.46	-11.73	-11.94	-12.38	-12.32	-13.15	-11.75	-12.11
14	-10.09	-10.48	-10.58	-10.51	-10.79	-10.21	-11.49	-10.37	-9.76	90.69	90.69	90.77	90.59	90.12	89.62	90.70	90.69
15	-9.45	-9.65	-9.69	-10.23	-10.37	-10.39	-10.47	-10.82	-11.24	-11.68	-11.73	-11.64	-11.60	-11.38	-10.08	-9.98	-10.62
16	-5.82	-5.80	-5.72	-5.69	-5.74	-5.78	-5.86	-5.79	-5.70	-5.57	-5.48	-5.39	-5.44	-5.62	-4.92	-5.06	-4.58
17	96.75	-3.11	85.65	-3.16	19.90	-2.99	6.52	-3.06	-3.50	-3.71	-3.72	-3.81	-3.77	-3.91	-4.35	-4.81	-4.85

*The labour mobility index $lm_{i,t}$ is the percentage of workers that should exit or enter into sector i in order to reach the n -dimensional $NPPF$ and hence realize the efficient specialization pattern. Formally, is computed as $\frac{l_{i,r}^E - l_{i,r}}{\sum_{i=1}^n l_{i,t}}$ —see (3.1)