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CI-CPRI



*Portugal in the EU:
the Perspective of
Convergence*

Tese de Mestrado

Âmbitos (2000):

Economia

Estudos Europeus

Annex 3: Unemployment Rates

Square 3: Unemployment Rates from 1977 to 1997

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Austria	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4,0	3,8	3,9	4,3	4,4
Belgium	7,5	8,1	8,4	9,1	11,1	13,0	14,3	14,4	13,6	12,5	10,0	8,9	7,5	6,7	6,6	7,3	8,9	10,0	9,9	9,7	9,2
Denmark	6,3	7,1	5,8	6,7	8,7	9,3	10,1	9,9	8,7	7,4	*	6,1	7,4	7,7	8,4	9,2	10,1	8,2	7,2	6,8	5,5
Finland	*	*	*	*	*	*	*	*	*	*	*	4,4	3,3	3,3	7,0	12,3	17,2	17,4	16,2	15,3	13,1
France	4,8	5,2	6,0	6,4	7,7	8,7	8,9	10,0	10,5	10,7	10,4	9,8	9,3	8,9	9,5	10,4	11,7	12,3	11,7	12,4	12,4
Germany	4,0	3,8	3,3	3,4	4,8	6,9	8,4	8,4	8,4	8,1	*	*	*	*	5,6	6,6	7,9	8,4	8,2	8,9	10,0
Greece	*	*	*	*	*	*	7,8	8,1	7,8	7,4	6,7	6,8	6,7	6,4	7,0	7,9	8,6	8,9	9,2	9,6	9,6
Italy	5,4	6,1	6,7	7,2	8,0	9,7	10,9	11,9	12,9	13,7	9,9	10,0	10,0	9,1	8,8	9,0	10,3	11,4	11,9	12,0	12,1
Ireland	9,1	8,3	7,4	8,2	10,2	12,3	14,9	16,6	17,9	18,3	16,6	16,1	14,7	13,4	14,8	15,4	15,6	14,3	12,3	11,6	10,1
Luxembourg	0,5	0,8	0,7	0,7	1,0	1,3	1,6	1,8	1,7	1,5	2,5	2,0	1,8	1,7	1,7	2,1	2,7	3,2	2,9	3,0	2,6
Netherlands	5,4	5,4	5,5	6,2	8,8	11,8	14,3	14,5	13,3	12,4	8,0	7,5	6,9	6,2	5,8	5,6	6,6	7,1	6,9	6,3	5,2
Portugal	*	*	*	*	*	*	8,6	9,3	8,6	8,8	6,9	5,5	4,9	4,6	4,0	4,2	5,7	7,0	7,3	7,3	6,8
Spain	*	*	*	*	14,4	16,2	17,7	20,6	22,1	21,2	20,5	19,5	17,2	16,2	16,4	18,5	22,8	24,1	22,9	22,2	20,8
Sweden	*	*	*	*	*	*	*	*	*	*	2,2	1,8	1,6	1,7	3,1	5,6	9,1	9,4	8,8	9,6	9,9
UK	5,3	5,1	4,7	6,0	9,2	10,6	11,6	11,8	12,0	12,0	10,6	8,7	7,3	7,0	8,8	10,1	10,4	9,6	8,7	8,2	7,0

Source: Eurostat Annual 98/99

Annexes for the Second Part: Convergence of Trade – Integration Analysis

Annex 4: Portuguese exports to the European Regional Block

Square 4.1: Portuguese Exports to the European Regional Block According to its Several Enlargements from 1970 to 1981

Code	Product	1970-1972		1973-1980		1974		1975		1976		1977		1978		1979		1980		1981-1985			
		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	
TT	Total	166,123	196,765	255,641	865,624	1098,403	971,103	945,443	1041,146	1356,954	1997,055	2548,036	2210,967										
R01	Energy	3,849	5,382	2,794	8,07	12,002	6,626	4,165	4,385	1,962	0,812	92,175	123,491										
R02	Food Agriculture	56,625	60,63	74,84	193,328	237,702	167,71	177,869	212,391	246,224	353,526	425,214	314,268										
R03	Textiles	12,961	18,807	31,629	246,177	300,922	274,51	267,899	302,76	470,458	752,566	865,102	753,094										
R04	Wood Paper	37,479	38,362	56,405	125,238	167,729	168,504	202,042	194,292	202,399	304,669	399,822	346,198										
R05	Chemicals	33,756	38,065	43,943	77,883	109,943	90,953	84,294	89,704	120,998	183,526	232,299	216,123										
R06	Iron & Steel	2,67	2,615	3,825	6,48	11,45	13,46	14,306	11,503	15,613	27,049	30,649	16,86										
R07	Non Ferrous	4,395	3,065	2,609	5,556	10,52	10,712	10,476	15,865	21,15	31,4	24,894	17,89										
R08	Machinery	4,22	6,306	8,267	23,926	29,538	33,302	39,782	38,916	51,302	71,98	106,319	79,441										
R09	Vehicles	0,177	0,285	0,404	3,481	3,372	5,466	4,391	8,381	54,363	69,814	95,549	83,37										
R10	Electrical	1,217	3,262	5,865	21,216	32,544	34,115	34,244	42,983	45,001	57,966	72,609	66,503										
R11	Electronic	8,232	6,329	11,425	54,702	87,534	99,573	80,393	97,262	121,69	139,594	197,21	188,637										
NES	NES	0,541	13,663	13,633	99,572	95,151	66,172	25,576	22,72	5,796	4,18	6,205	5,112										

Source: Own estimations using data from the base Chelem CEP II

Square 4.2: Portuguese Exports to the European Regional Block According to its Several Enlargements from 1982 to 1997

Code	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
TT	2380,5	2713,2	3016,40	3331,35	4876,87	6561,9	7842,1	9096,3	11990,5	12166,3	13797,1	11399,5	13020,4	18178,3	18460,7	18155
R01	58,468	115,00	75,298	120,204	156,926	100,51	117,52	210,16	308,213	235,195	321,29	307,925	380,537	345,537	227,601	204,94
R02	317,25	308,65	307,268	322,081	498,921	627,69	754,94	765,97	1034,61	1052,22	1103,37	885,904	998,305	1324,02	1316,18	1301,3
R03	897,30	985,91	1093,95	1304,16	1924,43	2640,5	3000,2	3329,8	4463,18	4771,35	5432,79	4497,61	4737,95	5979,40	6041,23	5713,4
R04	325,48	345	447,325	466,003	691,085	1002,8	1250,9	1397,4	1561,91	1488,18	1598,41	1337,02	1628,67	2237,98	1975,82	1930,8
R05	268,81	281,43	324,43	348,393	521,437	647,58	832,73	917,08	1230,89	1231,74	1329,13	1119,12	1415,76	1854,13	1759,88	1698,6
R06	22,122	54,664	59,437	66,324	70,705	52,209	48,894	62,374	103,299	77,786	103,16	84,513	115,513	166,606	152,363	167,59
R07	16,737	14,615	21,813	22,271	25,433	48,244	90,529	171,53	215,976	166,121	144,883	116,483	140,449	227,034	173,913	181,01
R08	87,496	180,67	177,477	182,794	298,532	442,15	496,63	607,99	828,387	790,947	913,138	781,551	909,584	1347,14	1258,01	1083,6
R09	97,674	106,9	114,696	103,015	201,069	357,11	535,86	710,35	923,103	930,247	1146,1	758,849	845,228	1844,06	2839,59	3335,8
R10	68,868	76,554	86,478	106,876	185,114	279,37	320,21	438,58	681,768	769,117	918,458	879,871	1096,41	1522,06	1572,80	1482,3
R11	215,09	236,21	301,835	272,307	289,425	338,34	368,39	438,48	598,881	602,589	734,12	558,848	662,157	1250,67	1071,98	948,05
NES	5,216	7,593	6,418	16,947	13,825	25,422	25,325	46,505	40,36	50,939	52,374	71,935	89,946	79,777	71,432	107,81

Source: Own estimations using data from the base Chelem CEP II

Annex 5: Portuguese imports towards the European Regional Block

Square 5.1: Portuguese Imports to the European Regional Block According to its Several Enlargements from 1970 to 1983

	1970-1972	1971	1972	1973-1980	1974	1975	1976	1977	1978	1979	1980	1981-1985	1982	1983
Product	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total	348,847	351,814	401,037	548,076	800,659	537,094	655,685	812,074	930,603	1088,041	1452,727	1427,623	1446,259	1233,971
Energy	5,602	7,21	7,108	3,953	6,409	7,633	6,672	11,444	9,466	10,22	45,345	27,765	39,741	36,673
Food														
Agriculture	5,171	7,454	6,939	12,585	22,739	12,171	20,982	22,997	24,54	34,17	52,973	30,52	26,497	21
Textiles	10,036	10,913	10,233	17,562	25,883	16,696	22,931	25,531	26,187	42,626	64,307	68,926	73,067	72,419
Wood Paper	8,79	9,845	11,948	19,842	29,003	20,914	27,174	26,287	22,163	26,103	34,686	33,537	39,126	36,77
Chemicals	66,572	73,307	86,46	131,794	189,684	132,068	193,006	215,199	238,768	276,908	315,381	290,771	276,236	254,862
Iron & Steel	31,408	36,288	24,846	50,059	118,534	70,753	56,707	92,52	106,245	104,917	149,529	143,08	167	103,387
Non Ferrous	10,423	10,636	13,495	20,196	32,152	18,838	23,994	35,013	33,702	38,745	42,656	37,443	37,068	30,228
Machinery	77,149	101,518	125,564	149,716	198,089	141,043	141,475	203,045	244,927	263,188	335,034	315,046	276,006	209,604
Vehicles	37,975	37,147	44,281	53,893	59,712	26,968	38,898	52,842	62,747	80,355	102,26	124,47	145,779	127,162
Electrical	17,232	20,486	22,583	34,604	54,007	36,277	47,18	50,101	57,406	63,128	77,919	76,151	79,332	76,691
Electronic	26,376	27,053	33,95	42,485	54,403	45,072	50,366	61,117	88,198	107,11	167,475	159,782	164,825	161,395
NES	52,109	9,962	13,636	11,39	10,05	8,67	26,307	15,981	16,256	40,574	65,174	120,137	121,584	103,785

Source: Own estimations using data from the base Chelem CEP II

Square 5.2: Portuguese Imports to the European Regional Block According to its Several Enlargements from 1984 to 1997

Product	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Total	1016,303	1075,949	1654,37	2522,689	3221,327	3494,574	4446,922	5211,337	5640,024	4818,837	4818,399	5720,136	6435,449	6362,657
Energy	19,931	10,576	12,162	9,331	9,726	8,636	14,476	15,971	22,753	44,574	48,558	55,207	91,742	44,102
Food														
Agriculture	22,143	27,079	49,534	93,14	97,041	120,27	153,064	280,939	281,821	206,051	201,93	199,204	240,535	237,314
Textiles	82,712	112,295	199,203	321,578	420,995	502,511	669,205	733,939	805,074	648,817	682,148	738,043	737,328	700,134
Wood Paper	35,36	39,133	79,022	114,609	139,509	150,508	201,812	217,356	244,823	202,301	196,654	248,542	224,455	198,357
Chemicals	247,289	263,289	377,208	507,492	560,151	573,988	732,338	755,622	843,655	721,773	834,768	991,398	1010,722	954,427
Iron & Steel	93,743	101,286	131,025	190,136	242,302	265,269	254,725	208,585	232,278	150,922	195,43	313,284	241,056	255,773
Non Ferrous	26,949	33,079	39,485	60,31	78,675	93,37	118,004	86,172	93,815	63,846	64,007	89,219	86,744	93,018
Machinery	142,401	167,363	288,963	483,407	574,537	624,93	795,116	778,294	792,675	720,865	642,978	772,053	992,24	1015,962
Vehicles	72,622	80,906	112,237	209,341	371,804	394,888	486,011	553,063	825,083	712,802	688,146	846,445	1229,142	1139,793
Electrical	73,632	67,617	110,931	157,107	193,681	235,072	344,729	378,15	451,866	371,218	416,023	555,436	531,509	505,945
Electronic	139,464	122,328	187,672	293,324	465,802	443,531	588,949	673,415	809,888	544,214	529,329	627,951	612,73	592,992
NES	60,064	51,002	66,939	82,922	67,115	81,615	88,512	529,846	236,353	431,466	318,437	283,409	437,324	624,891

Source: Own estimations using data from the base Chelem CEP II

Annex 6: Balance on Goods/GDP*100 Index

Square 6.1: Balance on Goods/ GDP*100 Index from 1970 to 1983

Country	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
Spain	-4,9882	-3,7426	-4,2733	-4,8597	-7,9047	-7,0220	-6,7065	-5,0545	-2,7610	-2,8902	-5,4967	-5,4287	-5,1101	-4,9263
France	0,1904	0,5420	0,5126	0,1726	-1,7670	0,2979	-1,4093	-0,8594	-0,0062	-0,6224	-2,1171	-1,7412	-2,8021	-1,5998
Germany	3,0893	2,1145	2,3243	3,6392	4,8892	3,2760	3,4360	3,5883	3,6415	1,9934	0,9804	2,2704	3,6886	2,9717
Greece	-7,2772	-7,8983	-8,5531	-12,1128	-9,8406	-9,3999	-10,0135	-9,9280	-9,1294	-10,7172	-11,4005	-11,9127	-10,0690	-10,0855
Portugal	-6,9340	-7,9736	-7,4799	-6,9034	-13,0477	-9,4776	-12,0214	-10,4850	-9,7480	-11,0714	-13,7243	-24,8738	-17,8463	-12,5468
Benelux	1,7523	0,7056	2,1504	1,8568	0,0395	-0,6087	-0,9811	-2,2547	-1,2165	-2,6311	-3,0883	-3,3856	-2,5392	-0,7764
Denmark	-4,7009	-3,9453	-1,9396	-4,0708	-5,5030	-3,3897	-6,7753	-5,7067	-4,0821	-5,0328	-2,9841	-1,5842	-1,3935	0,4399
Finland	-1,6252	-2,2979	-0,3961	-1,3386	-3,6876	-6,1791	-2,2628	1,3353	3,1164	0,8118	-1,3293	0,7051	0,3978	0,3015
Italy	-0,2290	0,2549	0,1777	-2,2644	-4,2975	-0,3100	-1,7840	0,1601	1,1678	-0,0416	-3,5360	-2,7898	-1,9909	-0,4112
Ireland	-10,6430	-9,3458	-6,4793	-7,6288	-14,8539	-5,5498	-6,9767	-7,8952	-7,8743	-13,7156	-11,0707	-11,8103	-5,8654	-1,3143
Netherlands	-2,2942	-1,0489	1,3497	2,0212	1,8388	1,9134	2,3052	0,4488	-0,5924	-0,3793	-0,1426	3,9539	4,4799	4,0909
Sweden	0,8999	2,4333	2,8149	3,8680	0,6718	1,4701	0,2064	0,3293	2,7894	-0,6373	-1,7506	0,1419	-0,2183	2,0462
Austria	-4,6410	-5,3788	-5,3055	-5,5417	-3,8632	-5,0994	-6,2878	-7,7809	-5,5301	-6,0485	-8,2621	-7,2793	-4,4750	-4,6048
United kingdom	-0,0250	0,3711	-1,1445	-3,4444	-6,2545	-3,1142	-3,1478	-1,5755	-0,9503	-1,6639	0,6234	1,3621	0,6518	-0,5167

Source: Own estimations using data from the base Chelem CEP II

Square 6.2: Balance on Goods/ GDP*100 Index from 1984 to 1997

Country	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Spain	-2,8985	-2,8695	-3,1182	-4,6947	-5,4254	-6,6768	-5,9270	-5,7386	-5,2694	-3,1205	-3,0669	-3,2609	-2,7591	-2,5162
France	-0,9016	-0,9195	-0,1831	-0,8763	-0,7956	-1,0669	-1,1084	-0,8093	1,7925	0,6010	0,5447	0,7146	0,9683	2,0185
Germany	3,4947	4,5891	6,1672	6,1440	6,3270	6,2982	4,5628	1,1306	1,4305	2,1526	2,4818	2,6972	3,0261	3,4170
Greece	-10,3270	-12,3827	-9,1711	-9,6920	-9,3248	-10,9225	-12,1885	-11,2546	-11,7435	-11,3878	-11,4269	-12,5675	-12,6112	-12,7040
Portugal	-9,3121	-6,0386	-4,7611	-8,3460	-10,9269	-8,9184	-9,6670	-9,8166	-9,9321	-9,6135	-9,4418	-8,5098	-8,5818	-9,3575
Benelux	-0,2333	0,5768	1,9293	0,8670	1,6636	1,3836	0,8103	0,9434	1,5590	2,5461	2,7982	3,2886	3,1199	3,1558
Denmark	-0,3495	-1,2877	-1,2470	0,7601	1,6940	2,2470	3,6555	3,5411	4,7983	5,5170	4,9188	3,6078	4,0976	3,2688
Finland	2,9202	1,6241	2,4334	1,7123	1,1566	-0,2027	0,5215	1,8380	3,5485	7,4151	7,6554	9,8061	8,9311	9,6136
Italy	-1,2475	-1,2653	0,8378	0,0111	-0,1103	-0,1915	0,1041	-0,0395	0,2613	3,3320	3,5026	4,1139	5,0147	4,0858
Ireland	1,2820	3,2130	4,3186	8,3466	10,9591	11,0482	8,6630	9,2956	13,5156	16,7192	17,3672	21,0140	22,2826	24,7794
Netherlands	5,2516	5,2326	4,1451	2,8728	4,3494	4,2966	4,2510	4,1279	3,8235	5,3998	5,5364	5,5594	5,4988	4,9056

Source: Own estimations using data from the base Chelem CEP II