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Integrated Modelling of European Migration

IMEM

Analysis of provisional results

**Prepared for the IMEM Workshop
Chilworth, 25-27 May 2011**

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NIDI, The Hague, The Netherlands

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1. Introduction

The overall aim of the IMEM project is to provide a general framework for modelling migration flows between countries in the world in the context of inconsistent, inadequate and missing data. The focus is on estimating recent international migration flows between countries in the European Union, using data primarily collected by Eurostat and other publicly available sources, as well as qualitative information from experts.

Three research teams are involved in IMEM:

1. Southampton Statistical Sciences Research Institute (S3RI), Southampton, United Kingdom
2. University of Oslo, Oslo, Norway
3. Netherlands Interdisciplinary Demographic Institute (NIDI), The Hague, The Netherlands

The Oslo group is responsible for developing the prior distributions to be used in the Bayesian model. This includes creating a framework for quantifying uncertainty for both the available and missing information. The Hague group is responsible for obtaining the best readily available migration data, managing the data (including predicted distributions) and assessing the reasonableness of the results. They also work closely with the Oslo group to assess the quality of the available data. The Southampton group is responsible for developing the model and implementing it. They liaise directly with the two other groups to ensure that the data and prior beliefs are integrated in the model and that the predicted distributions are reasonable.

This report deals with the analysis of the provisional results that came available in May 2011. These results relate to the immigration and emigration flows within the 27 countries of the European Union plus the 4 EFTA countries, starting in the year 2002. Because the original information is missing for several countries and given the fact that the available original data are often incomparable due to differences in definitions, in accuracy of the measurement and in coverage of specific subpopulations, the provisional IMEM results are compared with the MIMOSA estimates of November 2009, covering the years 2002-2007.¹ Of course, the MIMOSA estimates are also subject to uncertainty margins, varying from small to broad, amongst others based on the findings of the THESIM project (see Poulain *et al.* 2006).² Hence, this should be seriously kept in mind when drawing conclusions. Nevertheless, the aim of this exercise is to assess the reasonableness of the provisional IMEM estimates for the purpose of further improving and developing the model and to facilitate discussion amongst ourselves and the participants at our workshop.

¹ MIMOSA (MIgration MOdelling for Statistical Analyses) was a three-year project funded by Eurostat intended to support the development and application of statistical modelling techniques for the estimation of missing data on migration flows and foreign population stocks.

² THESIM (Towards Harmonised European Statistics on International Migration) was a 6th Framework Research Project financed by DG Research (EU). It represents the latest effort of the European Commission to improve the quality, coverage and comparability of international migration in Europe and to create the basis of system for the production of Community statistics on migration and asylum.

2. International migration data as reported by the countries

Currently available data on international migration flows are still far from being internationally comparable. This is evident when comparing data on flows between pairs of countries that are reported by countries of origin and countries of destination. In an ideal world the emigration figures produced by sending countries and the immigration figures collected by receiving countries would be similar if the two data-collection systems use identical definitions and the data are reliable and complete. However, the real world demonstrates the weak comparability of the available data.

The comparability of international migration data is hindered by differences in the definition of a migrant, by differences in the collection mechanism and by differences in the coverage and registration of flows (see e.g. Kupiszewska and Nowok 2008 and Nowok *et al.* 2006)).

To provide an example of what the reported data look like, consider the average annual flows for the period 2002-2007 in Table 1 (reported by country of destination) and Table 2 (reported by country of origin).³ For each migration flow, there are two possible values: one reported by the receiving country and one reported by the sending country. However, sometimes only one value is available, reported by the country of destination (e.g. from France to Germany) or by the country of origin (e.g. from Sweden to Greece). Finally, two missing values are possible (e.g. from Belgium to France).

Where flows are available from both the sending and receiving countries, the numbers may vary a lot. For example, one might take the average of the two reported flows from Germany to Spain (i.e., 15,982 and 16,807) as a reasonable estimate, as the numbers are relatively close to each other. However to take the average of the two reported flows from Spain to Germany (i.e., 14,703 and 2,686) would most likely result in a very poor estimate. In this situation, one might consider one flow to be more accurate than the other.

³ The annual data are presented in Annex 2. The list with country abbreviations is shown in Annex 1,

Table 1. Average migration flows reported by country of destination, 2002-2007

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	
AT			7		41	310	14 257	303		774	109					33	
BE	265		10		46	69	4 277	542		3 300	192					27	
BG	1 556				549	802	12 600	158		18 039	55					13	
CH	951		1		36	102	9 544	523		4 283	207					25	
CY	23		16			13	276	23		25	23					1	
CZ	1 308		6		118		9 218	261		833	56					42	
DE	15 437		32		332	1 362		4 001		15 982	921					255	
DK	193		0		25	46	2 687			964	365					1 413	
EE	44		0		32	9	820	197		125	2 078					26	
ES	654		34		45	71	14 703	1 758			644					68	
FI	258		0		21	38	2 173	414		844						45	
FR	846		11		118	330	18 741	1 606		12 157	342					61	
GR	397		75		4 025	50	11 219	253		527	82					4	
HU	3 344		1		175	51	18 584	280		823	123					14	
IE	142		1		70	52	1 845	296		1 798	133					11	
IS	29		0		0	4	236	1 665		131	50						
IT	1 576		33		49	254	22 196	986		9 320	250					74	
LI	40		0		0	1	63	14		19	1					0	
LT	170		0		35	47	4 496	1 034		2 274	73					272	
LU	64		0		3	2	2 282	162		123	50					27	
LV	78		0		104	13	2 155	457		300	87					93	
MT	12		0		21	3	117	24		22	4					2	
NL	779		4		70	255	13 681	864		4 762	261					55	
NO	92		2		14	24	1 378	3 148		1 696	845					364	
PL	5 091		1		752	1 608	136 927	2 436		8 277	187					2 229	
PT	301		1		15	22	6 684	212		12 598	56					109	
RO	5 572		1		549	489	27 188	397		95 645	82					31	
SE	476		2		88	67	3 348	3 313		1 826	3 502					492	
SI	554		0		9	17	1 798	46		136	6					9	
SK	3 132		1		432	14 064	11 148	149		788	22					45	
UK	1 180		25		3 170	506	13 263	3 482		38 674	946			13 901		228	
EU27+4	44 563		264		10 942	20 678	367 902	29 001		237 060	11 748					6 062	
Rest	49 221		1 297		6 515	43 494	348 808	24 584		378 058	9 089					1 251	
Unknown	16 583		0		1 232	1 006	23 568	791		1 112 296	184					12	
Total	110 367	126 679	1 561	129 590	18 689	65 178	740 278	54 376	726 414	21 020	148 177	109 939	22 814	74 923	7 325		

From	To														
	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK
AT	774		17	8	9		559	111	180	29	81	307	100	208	1 425
BE	1 571		29	727	13		5 770	197	86	122	17	401	14	21	3 630
BG	2 905		24	2	49		1 174	125	34	180	2	295	1	107	2 306
CH	5 875		16	26	9		771	187	51	111	11	470	80	54	3 828
CY	30		3	0	2		51	15	7	3	2	61	2	2	2 440
CZ	672		24	5	15		511	116	45	16	3	164	6	979	4 347
DE	12 809		490	462	166		9 182	2 268	2 876	570	224	3 374	299	446	19 575
DK	265		85	11	46		475	2 943	34	37	0	5 264	3	21	1 803
EE	96		29	2	93		89	217	2	6	0	406	0	2	1 095
ES	2 044		252	24	18		3 101	768	119	678	10	1 300	8	36	13 749
FI	235		43	4	43		379	799	6	19	0	3 204	1	6	671
FR	4 289		66	992	31		3 162	578	301	409	80	1 077	25	103	18 331
GR	605		12	6	4		1 049	90	81	12	29	599	3	14	3 684
HU	613		4	5	4		682	121	18	21	62	413	6	219	2 837
IE	360		385	9	96		565	87	144	35	0	288	2	10	5 905
IS	35		10	0	6		75	373	11	2	0	462	1	2	425
IT			82	67	33		1 811	246	309	250	91	599	79	109	5 692
LI	11		0	0	0		3	2	1	0	0	1	1	1	0
LT	378			1	236		302	926	43	37	0	574	0	5	2 355
LU	213		5		2		161	18	5	13	2	90	5	1	636
LV	183		175	2			125	233	6	17	0	264	0	5	1 155
MT	119		1	1	1		49	8	1	1	0	31	1	2	544
NL	905		41	27	20			711	163	274	11	979	12	41	6 791
NO	167		87	2	24		453		48	36	0	5 098	1	24	1 549
PL	9 045		120	20	45		5 744	4 602		58	3	3 718	3	276	36 300
PT	433		29	540	8		1 612	112	8		2	184	2	8	4 014
RO	50 444		5	7	12		944	279	13	532		705	2	553	1 488
SE	379		91	14	54		696	4 917	113	38	7		15	20	3 176
SI	321		2	1	1		90	14	2	5	0	42		16	0
SK	690		4	4	4		465	238	18	9	4	110	4		4 565
UK	4 553		875	40	190		5 820	1 624	1 126	1 002	13	3 114	22	116	
EU27+4	101 014		3 007	3 011	1 230		45 869	22 922	5 849	4 518	654	33 592	696	3 404	154 313
Rest	242 322		3 378	142	884		58 801	20 111	3 851	13 785	5 925	40 869	674	1 407	332 087
Unknown	0		38	10 777	0		339	344	16	0	3	601	14 103	1 859	0
Total	343 336		6 422	13 929	2 114	4 280	105 008	43 377	9 715	18 303	6 582	75 062	15 472	6 670	486 399

Source: Eurostat.

BG: 2007; FR: 2003/2006; GR: 2006/2007; IS: average of 2002 and 2007; IT: 2002/2005; LU: 2003/2007; MT: 2006/2007;

PT: average of 2002, 2003, 2004 and 2006; RO: 2002.

NB Migration from Ireland to the UK reported by Ireland.

Table 2. Average migration flows reported by country of origin, 2002-2007

To																			
From	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI	
AT		215	942	1 002	20	971	7 343	179	24	478	249	644	368	2 176	109	31	1 148	54	
BE																			
BG	48	48		21	26	28	385	1	0	772	2	59	372	4	11	1	190	0	
CH																			
CY	6	14	334	10		21	57	6	4	19	12	39	667	39	16	0	39	0	
CZ	186	42	507	47	13		560	24	2	35	28	166	35	20	22	2	112	0	
DE	17 787	4 630	8 884	19 170	271	8 104		3 095	594	16 807	2 371	18 897	17 793	16 467	2 408	287	31 235	83	
DK	228	448	69	511	24	178	2 612		126	1 669	368	1 304	206	159	264	1 347	716	7	
EE																			
ES	155	919	498	1 398	9	57	2 686	157	8		110	2 907	72	67	544	9	1 163	16	
FI	97	213	12	274	23	42	758	400	595	671		344	67	90	167	53	203	1	
FR																			
GR																			
HU																			
IE																			
IS	13	17	6	22	2	17	205	1 800	15	59	48	58	3	5	8		105	0	
IT	588	1 329	121	5 524	6	67	10 206	149	7	1 508	136	3 087	253	150	243	17		9	
LI																			
LT	48	76	34	48	8	54	1 269	158	36	628	87	175	25	6	1 059	23	204	0	
LU	34	1 134	6	127	3	14	959	97	7	82	36	1 290	22	16	36	21	173	1	
LV	18	14	5	18	8	6	302	45	79	18	46	68	4	2	87	5	51	0	
MT																			
NL	616	10 433	130	1 134	50	298	10 493	533	30	3 774	322	3 624	578	362	593	54	1 278	2	
NO	69	123	35	144	17	43	709	3 093	62	789	855	384	52	38	61	412	146	0	
PL	538	208	11	97	15	63	14 417	111	1	341	20	383	93	11	820	46	505	1	
PT	0	0	0	1 574	0	0	866	0	0	202	0	1 344	0	0	0	0	0	0	
RO	404	70	3	161	22	68	2 189	12	0	188	17	375	90	937	66	3	2 240	0	
SE	298	366	35	563	73	104	1 634	3 159	130	1 348	3 403	982	532	169	249	413	463	1	
SI	311	67	4	153	3	14	589	5	0	27	4	52	8	8	9	1	186	4	
SK	177	8	4	69	1	629	255	4	0	16	1	22	4	24	11	0	42	0	
UK	1 593	1 785	703	3 158	4 060	2 692	12 579	1 932	211	33 431	682	23 529	5 787	2 867	13 901	103	5 270	0	

To																			
From	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Unk	Total		
AT	117	56	47	9	463	101	2 583	220	3 083	432	422	1 862	986	26 331	24 505	21 671	72 507		
BE																	84 228		
BG	0	4	0	2	59	7	9	25	1	11	1	1	198	2 286	672	0	2 958		
CH																	82 898		
CY	9	2	18	9	10	2	111	2	269	13	0	32	371	2 126	5 322	296	7 745		
CZ	10	3	7	2	81	16	583	12	200	24	8	9 539	219	12 503	16 332	1 076	29 910		
DE	2 455	1 686	1 494	116	9 293	2 122	100 827	8 424	20 344	3 974	2 004	9 456	17 233	348 308	249 958	43 657	641 922		
DK	655	138	316	22	602	2 947	833	128	137	5 253	31	94	3 889	25 277	16 129	2 959	44 364		
EE																	4 384		
ES	120	87	19	5	869	159	398	1 126	1 975	203	10	45	3 430	19 217	18 996	60 682	98 895		
FI	21	71	27	5	233	777	63	30	13	3 216	4	10	1 175	9 652	2 905	34	12 591		
FR																			
GR																			
HU																	3 548		
IE													5 905				25 701		
IS	64	37	29	5	49	482	872	42	9	478	25	56	232	4 757	1 119	38	5 914		
IT	11	218	8	82	531	121	417	164	746	199	151	40	3 508	29 591	18 985	0	48 576		
LI																			
LT		18	163	1	116	199	122	54	5	233	3	5	2 638	7 491	5 059	2	12 552		
LU	4		5	3	99	11	25	530	13	74	5	11	168	5 009	445	4 941	10 395		
LV	138	6		0	20	34	26	9	2	67	1	2	196	1 274	2 076	0	3 350		
MT																	3 469		
NL	54	191	33	37		731	1 020	797	232	900	45	138	7 953	46 435	32 960	35 064	114 459		
NO	108	23	69	9	287		281	58	61	5 083	5	61	1 395	14 471	5 169	3 156	22 796		
PL	6	23	3	1	557	127		9	3	303	2	10	5 219	23 941	4 190	16	28 147		
PT	0	632	0	0	100	0		0	0	0	0	0	1 534	6 251	1 500	0	7 751		
RO	0	23	0	1	87	13	6	25		37	0	61	127	7 223	3 756	1	10 979		
SE	48	127	62	42	522	4 746	354	106	72		27	29	3 905	23 958	10 950	3 936	38 844		
SI	1	24	0	1	30	5	5	4	1	38		6	70	1 629	820	7 335	9 784		
SK	0	2	0	0	13	3	15	2	5	8	3		69	1 382	223	377	1 982		
UK	1 074	362	324	601	5 943	1 993	6 507	2 159	809	2 666	0	1 053		137 774	200 186	0	337 960		

Source: Eurostat.

BG: 2007; EE: 2007; IS: average of 2002 and 2007; IT: 2002/2005; LU: 2003/2007; MT: 2006/2007; PT: 2002/2003.

NB Migration from the UK to Ireland reported by Ireland.

3. MIMOSA estimates

The MIMOSA model for estimating international migration flows consists of two major steps. The first step estimates adjustment factors for 19 countries that report both immigration and emigration flow data. The second step estimates the missing origin-destination-specific data.

As regards the harmonization of the reported data, the basic idea was to apply optimisation to minimise the differences between the two sets of reported data, pooled over time, according to a set of criteria. The result is a set of average 'adjustment factors' for both sending and receiving country data that were then used to obtain harmonised estimates of migration flows for countries providing data.

Once the available data were harmonised, the next step was to estimate the migration flows for countries with missing data. First, the immigration and emigration totals were estimated, followed by the origin-destination associations.

For more information reference is made to De Beer *et al.* 2009, De Beer *et al.* 2010, Kupiszewska and Wiśniowski 2009; and Raymer *et al.* 2011.

The MIMOSA average annual results for the period 2002-2007 are presented in Table 3. The underlying annual estimates are given in Annex 3.

Table 3. Average MIMOSA estimates, 2002-2007

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT
AT		269	1 185	1 903	36	610	11 526	217	30	563	129	756	447	2 822	138	21	1 144
BE	325		83	433	40	136	3 457	388	15	2 402	227	7 665	226	106	260	20	2 321
BG	1 898	215		227	481	1 577	10 187	113	11	13 127	65	947	958	92	93	10	4 291
CH	1 998	476	163		57	355	13 833	672	21	5 553	437	8 598	360	188	382	29	15 588
CY	26	67	1 571	70		25	223	16	17	18	28	184	3 142	182	75	1	44
CZ	1 547	375	4 526	639	103		7 453	187	18	606	66	1 484	311	176	198	21	992
DE	18 148	3 284	6 301	20 477	291	2 679		2 864	421	11 631	1 092	13 403	12 620	11 680	1 708	161	18 920
DK	238	330	50	573	21	90	2 172		93	701	432	960	152	117	194	905	391
EE	53	32	9	34	28	17	663	141		91	2 462	106	11	18	41	17	142
ES	822	3 964	2 147	8 911	39	139	11 887	1 259	33		763	12 545	312	291	2 349	44	3 020
FI	317	2 400	13	469	19	75	1 757	296	669	614		386	75	102	188	30	347
FR	1 063	7 243	555	6 477	104	648	15 151	1 150	83	8 847	405		1 012	587	1 526	39	6 335
GR	486	195	418	211	3 530	98	9 070	181	13	384	97	872		87	83	2	893
HU	3 973	393	160	504	153	99	15 024	200	20	599	145	1 884	166		202	8	905
IE	173	788	108	706	61	102	1 491	212	26	1 308	157	2 038	171	65		6	532
IS	37	15	2	24	0	8	191	1 192	10	95	59	42	2	3	6		51
IT	1 889	3 240	295	20 508	43	500	17 945	706	16	6 782	297	7 524	616	366	591	43	
LI	47	3	1	35	0	1	51	10	0	14	2	31	2	2	2	0	16
LT	211	163	72	155	31	92	3 635	741	77	1 655	86	376	53	13	2 279	148	558
LU	79	2 314	11	395	2	5	1 845	116	12	89	59	2 626	45	33	77	17	315
LV	97	73	26	147	91	26	1 742	327	428	218	103	369	22	10	472	48	270
MT	14	33	8	20	18	5	95	17	4	16	4	256	10	7	35	1	176
NL	930	11 101	138	1 824	61	502	11 060	619	32	3 465	309	3 856	615	385	631	37	1 336
NO	115	135	38	242	12	47	1 114	2 254	69	1 234	1 001	422	57	42	67	262	246
PL	6 146	3 799	204	2 642	659	3 163	110 701	1 744	12	6 024	221	7 010	1 697	195	15 006	1 117	13 361
PT	371	247	55	323	13	42	5 404	152	8	9 168	66	4 915	43	21	88	55	640
RO	6 678	576	824	572	482	961	21 980	284	22	69 604	97	4 170	1 009	2 489	392	18	74 512
SE	574	401	38	934	77	132	2 706	2 372	142	1 328	4 150	1 075	582	185	273	315	560
SI	653	157	9	545	8	32	1 454	33	0	99	7	121	18	19	22	4	473
SK	3 750	309	144	3 996	379	27 658	9 012	107	0	574	26	854	144	926	427	23	1 020
UK	1 436	1 620	638	4 352	2 780	996	10 722	2 493	191	28 145	1 121	21 357	5 252	2 602	12 618	149	6 725
EU27+4	54 095	42 056	19 796	78 349	9 622	40 821	303 552	21 062	2 495	174 954	14 113	106 834	30 129	23 810	40 421	3 551	156 122
Rest	58 209	48 638	11 724	51 241	5 716	85 538	281 998	17 601	2 028	275 128	10 771	198 406	33 911	18 712	14 023	806	357 945
Total	112 304	90 694	31 519	129 590	15 338	126 360	585 550	38 663	4 523	450 082	24 884	305 241	64 040	42 522	54 444	4 357	514 067

From	To																
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total
AT	68	37	44	26	12	584	90	2 570	274	3 980	307	488	1 730	1 522	33 528	32 348	65 877
BE	2	63	4 002	37	16	6 024	160	1 228	184	206	401	69	172	3 744	34 414	21 047	55 462
BG	1	52	10	136	16	1 225	102	487	60	1 673	295	7	891	2 546	41 794	23 438	65 232
CH	24	62	267	44	23	1 444	271	1 281	429	334	841	697	801	6 977	62 206	20 359	82 565
CY	0	7	1	4	41	53	12	100	9	1 266	61	8	18	2 764	10 033	25 056	35 089
CZ	0	51	23	43	13	534	94	644	103	1 785	164	28	8 158	4 482	34 824	145 752	180 576
DE	59	1 057	2 475	462	83	9 586	1 843	71 514	5 975	14 430	3 374	1 462	3 715	20 770	262 484	177 289	439 773
DK	5	183	60	128	16	496	2 391	480	94	101	5 264	15	176	2 044	18 875	11 875	30 750
EE	0	62	12	258	5	92	176	29	11	19	406	0	15	1 230	6 183	4 171	10 353
ES	68	544	132	49	22	3 237	624	1 698	4 858	8 522	1 300	41	297	15 907	85 823	145 516	231 339
FI	1	92	18	119	6	395	649	88	34	14	3 204	4	51	746	11 019	3 268	14 287
FR	12	142	5 363	85	148	3 302	470	4 288	4 037	1 441	1 077	121	861	20 626	93 195	97 280	190 475
GR	1	26	30	10	35	1 096	73	1 152	50	638	599	14	119	4 144	24 607	14 093	38 701
HU	1	8	31	10	11	712	98	249	113	2 160	413	31	1 827	3 249	33 350	30 017	63 367
IE	3	829	45	266	25	590	71	2 050	159	273	288	11	85	6 442	19 083	14 489	33 572
IS	0	22	2	17	4	78	303	162	28	6	462	6	18	455	3 298	749	4 047
IT	23	177	365	93	199	1 891	200	4 402	399	1 818	599	386	906	6 359	79 176	46 278	125 454
LI		0	0	0	0	3	1	14	2	3	1	4	4	0	250	103	353
LT	0		7	656	3	316	752	610	116	10	574	1	39	2 734	16 160	10 886	27 046
LU	1	11		4	7	168	15	69	1 081	26	90	24	10	744	10 291	922	11 214
LV	2	378	9		2	131	189	90	50	9	264	0	38	1 338	6 969	11 288	18 257
MT	0	2	3	1		51	7	12	9	8	31	4	17	602	1 465	2 579	4 044
NL	2	89	146	55	39		577	2 323	848	247	979	59	343	7 417	50 029	35 069	85 098
NO	0	187	12	68	10	473		679	64	67	5 098	2	201	1 818	16 037	5 682	21 719
PL	15	259	101	125	21	5 997	3 739		156	61	3 718	12	2 298	40 102	230 307	76 713	307 020
PT	2	63	2 899	22	11	1 683	91	119		112	184	10	63	4 633	31 499	16 747	48 247
RO	2	10	33	32	46	986	226	181	246		705	10	4 606	1 573	193 326	79 240	272 566
SE	1	197	74	149	46	727	3 996	1 608	116	78		74	168	3 505	26 585	11 995	38 580
SI	9	4	6	4	2	94	12	24	9	2	42		129	0	3 989	1 915	5 904
SK	7	9	24	12	0	486	193	254	66	204	110	20		5 001	55 734	14 776	70 510
UK	0	1 886	213	528	545	6 077	1 320	5 907	1 959	734	3 114	105	968		126 554	169 269	295 824
EU27+4	305	6 510	16 410	3 443	1 407	48 529	18 745	104 312	21 540	40 227	33 963	3 712	28 725	173 476	1 623 088	1 250 209	2 873 298
Rest	57	7 284	774	2 460	1 198	61 543	16 342	54 880	31 626	37 588	40 869	3 299	17 468	354 655	2 102 437		
Total	363	13 794	17 184	5 903	2 605	110 072	35 087	159 192	53 166	77 814	74 832	7 012	46 193	528 130	3 725 525		

4. IMEM compared to MIMOSA, 2002/2007

To obtain an overall and consistent picture of the migration patterns occurring within Europe, the IMEM project, by applying Bayesian methods, seeks to harmonize and correct for inadequacies in the available data and to estimate completely missing flows. The methodology is integrated and capable of providing a synthetic database with measures of uncertainty for international migration flows and other model parameters. Such a database helps to better understand the underlying mechanisms and reasons for recent migration trends.

This project has two main objectives. First, a Bayesian statistical model is developed that allows for flows to be measured to different accuracies and that is able to incorporate auxiliary information on the associations between origins and destinations of migration (e.g., language, borders and distance) to estimate missing patterns. Second, the model accommodates the various complexities in the reported international migration data in the modelling framework. This involves the reconciliation of reported flows based on various definitions used by countries to measure international migration and the use of multiple sources of data on particular flows, including the use of qualitative judgments. The modelling approach includes multiple time periods and disaggregation by age and sex.⁴

The key difference between MIMOSA and IMEM is that the results from the IMEM model are in the form of posterior distributions, from which the mean value is selected for comparison. These means come from distributions that are often right skewed.

Another key difference is that the IMEM model includes expert information on the undercount in both immigration and emigration reported data (which is one of the likely reasons for the higher IMEM estimates), as well as duration of stay effects and accuracy. Alternatively, the MIMOSA estimates could have also compared in relation to the, say, 10th and 90th percentiles of the IMEM estimates. This would give a potentially better indication of 'extreme' differences.

Hereafter, in order to control the number of comparisons, the focus is on identifying the differences between the average annual IMEM estimates and the average annual MIMOSA estimates for the period 2002-2007. The average annual MIMOSA estimates, as published in November 2009, are included in Table 3. The aggregate IMEM estimates that came available in May 2011 are shown in Table 4. The underlying annual results are shown in Annex 4.

To pick out the most remarkable differences between the IMEM results and the MIMOSA estimates the absolute differences are combined in three mounting variants that are presented in Table 5.

On the whole the IMEM estimates are significantly higher than the MIMOSA estimates. For the total immigration of the EU27+4 IMEM estimates an annual average for the period 2002-2007 of 5.5 million, whereas MIMOSA comes no further than 3.7 million. For the total emigration of the EU27+4 the estimates are 3.6 million (IMEM) and 2.9 million (MIMOSA).

In Table 6 the absolute differences between IMEM and MIMOSA are shown per country for the intra EU27+4 migration flows and the migration from and to the rest of the world.

It appears that the picture per country is far from unambiguous. For example, the difference between IMEM and MIMOSA is huge positive for the emigration of the UK to the rest of the world (257 thousand) but very negative for the emigration of the Czech Republic to the rest of the world (-125 thousand). Hence, it may be concluded that systematic patterns regarding the difference between the IMEM and MIMOSA estimates are missing.

⁴ For more details see the IMEM working paper *Model Specification and Data Requirements* (2010).

To help indicating whether the IMEM or MIMOSA estimates are more reliable Table 7 presents the immigration and emigration numbers expressed per 1 000 population. Relatively high and low values could be suspect, apart from obvious exceptions (small countries) where higher numbers can be expected (e.g. Luxembourg, Iceland, Cyprus and Malta). Relative numbers that are 40 per cent lower than the average are presented in italics and relative numbers that are higher than three times the average are presented in bold.

Examples of suspicious IMEM estimates, in the sense of assumed much too low or much too high are⁵:

- The migration from Italy to France.
The average IMEM estimate for the years 2002-2007 is 117 thousand whereas Italy reports 3 thousand and the MIMOSA estimate is 8 thousand.
- The migration from the rest of the world to France.
The 2002/2007 IMEM estimate is 11.3 per 1000 population (690 thousand), whereas the IMEM average for the whole EU27+4 is 6.7 per 1000 population.
- The migration from Romania to Spain.
The 2002/2007 IMEM estimate is 20 thousand, whereas Spain reports 113 thousand and the MIMOSA estimate is 70 thousand.
- The migration from Spain to France.
The 2002/2007 IMEM estimate is 33 thousand, whereas Spain reports 7 thousand and the MIMOSA estimate is 13 thousand.
- The migration from the rest of the world to Germany.
The 2002/2007 IMEM estimate is 570 thousand, whereas Germany reports 360 thousand and the MIMOSA estimate is 282 thousand.
- The migration from Germany to Poland.
The 2002/2007 IMEM estimate is 42 thousand, whereas Germany reports 108 thousand and the MIMOSA estimate is 72 thousand.
- The migration from the rest of the world to the UK.
The 2002/2007 IMEM estimate is 615 thousand, whereas the UK reports 332 thousand and the MIMOSA estimate is 355 thousand.
- The migration from Romania to the rest of the world.
The 2002/2007 IMEM estimate is 0.5 per 1000 population (11 thousand), whereas the IMEM average for the whole EU27+4 is 2.9 per 1000 population.

In Chapter 7 (Summary) more IMEM estimates are presented that are assumed to be too low or too high.

⁵ Reported unknowns are equally distributed.

Table 4. Average IMEM estimates, 2002-2007

From	To																	
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	
AT		574	446	2 331	41	1 314	13 913	328	52	1 112	231	1 692	493	2 316	199	34	2 977	
BE	445		210	1 473	68	380	6 836	645	98	4 278	357	25 983	1 004	639	616	52	4 533	
BG	1 149	1 155		381	330	1 261	6 802	154	36	8 888	95	2 016	2 736	281	143	15	4 211	
CH	1 317	963	130		47	400	9 928	477	63	4 172	295	9 484	522	394	370	42	9 204	
CY	20	39	105	16		35	218	18	5	41	20	95	411	35	51	2	93	
CZ	1 975	872	1 035	735	93		9 655	310	65	969	170	2 742	450	531	430	38	1 642	
DE	20 115	13 997	2 764	28 990	385	7 173		4 961	602	22 750	1 909	57 845	9 579	8 393	2 662	309	27 757	
DK	274	648	87	607	32	224	3 624		110	1 506	511	1 937	337	249	379	431	1 016	
EE	63	203	15	100	16	45	700	192		201	1 412	479	49	112	123	33	235	
ES	750	2 751	625	2 797	67	346	12 567	1 068	59		648	33 457	622	426	1 006	52	5 191	
FI	302	594	43	508	35	152	2 144	514	419	1 219		1 218	246	242	286	58	726	
FR	1 401	30 043	659	14 165	195	1 516	29 928	1 768	270	25 705	733		2 519	1 916	1 822	139	21 687	
GR	389	526	1 019	376	1 678	200	8 381	258	32	866	151	1 526		198	162	14	1 920	
HU	3 429	1 250	224	844	140	359	12 918	342	114	1 424	253	3 524	529		883	38	2 526	
IE	227	2 220	64	1 043	78	295	2 615	320	83	2 171	215	2 897	346	466		39	1 443	
IS	31	55	5	41	2	24	214	490	4	159	50	158	28	8	15		39	
IT	2 988	8 006	923	26 663	99	1 064	47 083	1 192	200	12 356	617	116 703	2 830	1 597	1 344	125		
LI	51	10	3	90	1	5	74	10	1	33	4	93	11	6	3	0	48	
LT	161	290	57	140	24	163	2 853	624	140	1 681	142	828	69	56	679	73	680	
LU	79	1 176	12	170	4	26	1 848	140	9	201	60	1 755	81	43	49	16	470	
LV	88	104	17	85	34	47	1 415	325	276	277	151	458	34	28	308	37	332	
MT	18	71	10	28	15	16	158	22	7	44	12	336	30	61	35	5	245	
NL	1 054	18 450	234	2 254	106	893	18 198	1 051	97	6 309	540	7 801	1 303	880	1 101	102	3 673	
NO	134	430	38	222	17	107	1 570	2 527	63	1 559	1 001	1 282	115	69	207	196	455	
PL	4 703	3 294	283	1 555	342	4 315	129 450	2 063	158	7 574	411	9 848	1 134	966	2 988	400	11 566	
PT	347	961	74	1 685	27	117	7 320	240	41	13 145	119	44 668	265	214	272	42	1 430	
RO	4 519	1 523	379	1 514	329	1 370	22 745	323	33	20 262	192	6 937	1 725	8 980	640	49	35 875	
SE	573	1 170	102	892	121	353	3 461	3 660	324	2 398	4 089	2 536	702	610	432	279	1 324	
SI	954	327	54	464	13	111	2 042	65	12	254	25	752	94	216	104	9	1 553	
SK	2 801	306	97	671	107	20 448	6 483	146	25	787	52	941	145	888	176	15	1 391	
UK	1 817	5 644	519	4 895	3 016	2 753	20 623	3 025	305	39 937	1 335	33 020	4 782	3 841	18 583	104	11 113	
EU27+4	52 175	97 650	10 231	95 732	7 457	45 510	385 764	27 256	3 702	182 275	15 798	373 010	33 187	34 657	36 064	2 744	155 352	
Rest	58 713	59 108	7 419	60 117	5 333	49 238	570 083	30 012	2 369	355 850	20 222	689 600	48 298	20 077	29 147	1 183	374 417	
Total	110 889	156 759	17 649	155 849	12 790	94 748	955 847	57 267	6 071	538 125	36 020	1 062 610	81 485	54 734	65 211	3 928	529 769	

From	To																	
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total	
AT	94	82	54	57	20	702	167	1 967	319	1 450	518	704	1 750	2 405	38 343	25 953	64 296	
BE	13	116	1 621	76	50	7 277	312	1 225	939	460	769	131	258	6 955	67 817	20 525	88 342	
BG	6	66	13	60	29	827	142	458	566	872	309	39	351	3 001	36 392	4 054	40 446	
CH	109	57	82	52	40	904	247	688	575	287	622	332	416	4 889	47 103	61 012	108 115	
CY	0	12	4	14	7	44	14	90	13	105	58	6	25	2 057	3 649	4 466	8 115	
CZ	9	97	41	76	21	778	177	1 998	188	1 249	397	93	11 553	5 008	43 394	20 668	64 063	
DE	128	1 453	1 738	854	185	14 612	2 597	42 338	5 506	6 825	5 145	1 861	4 590	39 022	337 042	258 950	595 992	
DK	6	287	55	197	28	699	2 722	687	257	171	5 725	39	165	3 445	26 453	15 637	42 090	
EE	1	95	7	359	2	139	212	82	58	30	660	6	25	1 655	7 306	4 228	11 534	
ES	20	404	130	81	42	2 960	702	1 475	5 327	1 642	1 234	85	321	16 652	93 503	60 467	153 970	
FI	3	98	35	133	10	551	1 010	204	150	67	4 867	18	60	1 751	17 662	5 483	23 145	
FR	40	265	2 164	176	274	4 277	890	4 216	3 971	1 859	1 955	316	1 074	31 970	187 912	198 133	386 045	
GR	5	43	19	22	36	894	123	739	186	512	592	45	147	4 663	25 721	18 803	44 524	
HU	11	36	34	39	25	926	201	650	259	1 854	848	146	1 947	5 982	41 752	10 374	52 126	
IE	4	427	40	194	44	771	152	1 365	324	171	455	41	152	31 212	49 872	34 465	84 337	
IS	1	20	3	14	5	86	184	85	29	10	222	4	13	340	2 337	700	3 036	
IT	55	254	345	176	378	2 695	534	3 832	1 908	3 038	1 250	946	1 039	14 690	254 929	62 493	317 422	
LI		1	1	1	1	6	4	14	6	5	5	3	4	10	502	149	651	
LT	1		13	739	5	351	581	709	169	41	834	10	39	3 616	15 764	6 912	22 676	
LU	1	12		8	3	201	25	77	201	32	137	23	19	580	7 453	1 759	9 212	
LV	1	488	7		2	153	208	133	72	20	456	7	30	1 667	7 260	6 565	13 825	
MT	0	5	2	2		49	12	29	20	22	46	5	13	888	2 201	614	2 815	
NL	9	149	198	101	76		948	1 960	1 680	550	1 623	128	387	13 123	84 977	82 592	167 569	
NO	1	147	14	87	10	584		542	216	94	5 161	10	126	2 968	19 949	15 380	35 329	
PL	29	469	141	203	33	5 525	2 655		542	545	5 447	68	1 775	48 445	246 923	63 420	310 343	
PT	3	65	579	39	24	1 388	155	243		205	295	30	104	6 726	80 822	12 063	92 886	
RO	17	24	62	31	23	1 276	351	342	971		681	42	1 501	3 135	115 850	10 727	126 577	
SE	4	240	79	232	57	992	4 901	1 464	328	224		114	209	5 677	37 547	21 595	59 142	
SI	9	13	25	10	6	156	32	75	49	59	149		122	93	7 845	3 756	11 601	
SK	7	22	22	25	6	463	165	483	82	192	238	59		3 943	41 182	4 543	45 725	
UK	10	1 616	245	465	681	7 936	2 329	11 300	4 425	1 142	4 360	118	1 232		191 170	426 350	617 520	
EU27+4	594	7 062	7 770	4 521	2 123	58 220	22 750	79 470	29 333	23 728	45 056	5 430	29 444	266 567	2 140 630	1 462 836	3 603 465	
Rest	112	6 572	966	2 757	681	123 217	33 185	55 893	34 923	28 625	65 752	2 363	8 947	615 317	3 360 495			
Total	706	13 634	8 736	7 278	2 804	181 436	55 935	135 363	64 256	52 353	110 807	7 793	38 391	881 883	5 501 125			

Table 5. Average IMEM estimates compared with average MIMOSA estimates, 2002-2007

From	To																																				
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total			
AT	---						+										+										-					+	---	-			
BE		---		+			+			+	+++						+			-			+							+	+++	---	+++				
BG			---				-			-	+	+																				---	---	---			
CH				---			-			-							---														-	---	+++	+++			
CY			-		---																							-				---	---	---			
CZ			-			---	+				+															+				+		++	---	---			
DE	+	+++	-	++		+	---	+		+++	+++	-	-				++						++		---	---	+			+++	+++	+++	+++				
DK							+	---																						+	++	+	+++				
EE								---																								+	+	+			
ES	-	-	---							---	+++						+										---				++	---	---	---			
FI											---																	+		+	++	+	+++				
FR	+++		++			+++			+++		---	+	+				+++			-										+++	+++	+++	+++	+++			
GR				-								---	---				+														+	+	++	++			
HU							-				+		---	---			+													+	++	---	---	---			
IE	+					+									---	---														+++	+++	+++	+++	+++			
IS																																			-		
IT	+	+		++		+++			++	+++	+	+				---											+	+			++	+++	+++	+++	+++		
LI																																					
LT																																			-	-	
LU		-																																	-	-	
LV																																				-	-
MT																																				-	-
NL	++					++			+	+							+													++	+++	+++	+++	+++	+++		
NO																															+	+	++	+++	+++		
PL	-		-		+	+++			+	+			---				-									---			+	++	+++	---	---	+	+		
PT				+		+			+	+++																				+	+++	-	+++	+++	+++		
RO	-									---	+	++																			+	---	---	---	---		
SE								+	+	+																				+	+++	++	+++	+++	+++		
SI																		+													+	+	++	+++	+++		
SK			-		---	-																														---	---
UK	+				+	++			+++	+++		+	++				+								+	+	++	+		+	---	---	+++	+++	+++	+++	
EU27+4	-	+++	--	+++	-	+	+++	++	+	++	+	+++	+	+++	-						--	+		++	+	---	++	---	+++	+	+++	+++	+++	+++	+++		
Rest	+++	-	++		---	+++	+++	+	+++	++	+++	+++	+	+++	+	+++								+++	+++	+	+	--	+++	--	+++	+++	+++	+++	+++		
Total	-	+++	---	+++	-	---	+++	+++	+	+++	+++	+++	+++	+++	+++	+++	+++	---							+++	+++	---	+++	---	+++	---	+++	---	+++	+++	+++	

NB The differences have been calculated as IMEM minus MIMOSA.
 --- absolute less than -10 000; -- between -5 000 and -10 000; - between -1 000 and -5 000.
 +++ absolute more than 10 000; ++ between 5 000 and 10 000; + between 1 000 and 5 000.

Table 6. IMEM and MIMOSA: absolute differences (x 1 000), average intra EU27+4 migration and average migration to/from rest of the world, 2002-2007

	Immigration			Emigration		
	EU27+4	Rest	Total	EU27+4	Rest	Total
AT	-2	1	-1	5	-6	-2
BE	56	10	66	33	-1	33
BG	-10	-4	-14	-5	-19	-25
CH	17	9	26	-15	41	26
CY	-2	0	-3	-6	-21	-27
CZ	5	-36	-32	9	-125	-117
DE	82	288	370	75	82	156
DK	6	12	19	8	4	11
EE	1	0	2	1	0	1
ES	7	81	88	8	-85	-77
FI	2	9	11	7	2	9
FR	266	491	757	95	101	196
GR	3	14	17	1	5	6
HU	11	1	12	8	-20	-11
IE	-4	15	11	31	20	51
IS	-1	0	0	-1	0	-1
IT	-1	16	16	176	16	192
LI	0	0	0	0	0	0
LT	1	-1	0	0	-4	-4
LU	-9	0	-8	-3	1	-2
LV	1	0	1	0	-5	-4
MT	1	-1	0	1	-2	-1
NL	10	62	71	35	48	82
NO	4	17	21	4	10	14
PL	-25	1	-24	17	-13	3
PT	8	3	11	49	-5	45
RO	-16	-9	-25	-77	-69	-146
SE	11	25	36	11	10	21
SI	2	-1	1	4	2	6
SK	1	-9	-8	-15	-10	-25
UK	93	261	354	65	257	322
EU27+4	518	1 258	1 776	518	213	730

NB The differences have been calculated as IMEM minus MIMOSA.

Table 7. IMEM and MIMOSA: average intra EU27+4 migration and average migration to/from rest of the world per 1 000 of the population, 2002-2007

	Immigration per 1 000				Emigration per 1 000			
	EU27+4		Rest		EU27+4		Rest	
	IMEM	MIMOSA	IMEM	MIMOSA	IMEM	MIMOSA	IMEM	MIMOSA
AT	6.4	6.6	7.2	7.1	4.7	4.1	3.2	3.9
BE	9.3	4.0	5.6	4.6	6.5	3.3	2.0	2.0
BG	<i>1.3</i>	2.6	<i>1.0</i>	<i>1.5</i>	4.7	5.4	<i>0.5</i>	3.0
CH	12.9	10.6	8.1	6.9	6.4	8.4	8.2	2.7
CY	10.0	12.9	7.1	7.6	4.9	13.4	6.0	33.5
CZ	4.4	4.0	4.8	8.3	4.2	3.4	2.0	14.2
DE	4.7	3.7	6.9	3.4	4.1	3.2	3.1	2.2
DK	5.0	3.9	5.5	3.2	4.9	3.5	2.9	2.2
EE	2.7	1.8	1.8	1.5	5.4	4.6	3.1	3.1
ES	4.2	4.1	8.3	6.4	2.2	2.0	1.4	3.4
FI	3.0	2.7	3.9	2.1	3.4	2.1	1.0	0.6
FR	6.1	1.8	11.3	3.3	3.1	1.5	3.3	1.6
GR	3.0	2.7	4.4	3.1	2.3	2.2	1.7	1.3
HU	3.4	2.4	2.0	1.9	4.1	3.3	1.0	3.0
IE	8.7	9.8	7.1	3.4	12.1	4.6	8.3	3.5
IS	9.2	11.9	4.0	2.7	7.9	11.1	2.4	2.5
IT	2.7	2.7	6.4	6.1	4.4	1.4	1.1	0.8
LI	17.2	8.8	3.2	1.7	14.5	7.2	4.3	3.0
LT	2.1	1.9	1.9	2.1	4.6	4.7	2.0	3.2
LU	16.8	35.5	2.1	1.7	16.1	22.3	3.8	2.0
LV	2.0	1.5	1.2	1.1	3.1	3.0	2.8	4.9
MT	5.3	3.5	1.7	3.0	5.5	3.6	1.5	6.4
NL	3.6	3.0	7.6	3.8	5.2	3.1	5.1	2.2
NO	4.9	4.1	7.2	3.5	4.3	3.5	3.3	1.2
PL	2.1	2.7	1.5	1.4	6.5	6.0	1.7	2.0
PT	2.8	2.1	3.3	3.0	7.7	3.0	1.1	1.6
RO	1.1	1.9	1.3	1.7	5.3	8.9	0.5	3.7
SE	5.0	3.8	7.3	4.5	4.2	2.9	2.4	1.3
SI	2.7	1.9	1.2	1.6	3.9	2.0	1.9	1.0
SK	5.5	5.3	1.7	3.2	7.6	10.3	0.8	2.7
UK	4.4	2.9	10.2	5.9	3.2	2.1	7.1	2.8
EU27+4	4.3	3.2	6.7	4.2	4.3	3.2	2.9	2.5

Criteria: italics – lower than 40 per cent of the average; bold - higher than three times average.

5. Origin-destination matrices

Another way to illustrate the differences between the IMEM estimates and the MIMOSA estimates is confronting the so-called OD matrices. On the basis of the estimated immigration and emigration totals, 'expected' migration flows between the countries can be obtained by means of iterative proportional fitting. This implies, for example, that if the total number of migrants to country B is twice the total number of migrants to country C, then the expected migration from country A to B would be twice that to country C. However, if countries A and C are neighbouring countries and have the same common language, then the actual migration may be higher. For these types of reasons, the actual migration patterns often differ considerably from the expected patterns. By dividing the estimated actual migration through the expected flow the interaction term can be calculated. If this term is larger than one, the two countries have higher actual flows than expected. Those with values less than one are said to be lower than expected.

The OD matrix for the IMEM estimates is given in Table 8 and the matrix for the MIMOSA estimates in Table 9. Indeed, as expected, strong ties are found between e.g. Denmark and Iceland, Switzerland and Liechtenstein, Czech Republic and Slovakia, Estonia and Finland, etc.

The main differences in absolute terms between IMEM and MIMOSA are summarized in Table 10. Examples of migration ties which are assumed much stronger in IMEM than in MIMOSA are between the Czech Republic and Slovakia, Greece and Bulgaria, and Latvia and Lithuania. On the other hand, weaker ties in IMEM than in MIMOSA are assumed between e.g. Belgium and Luxembourg, Denmark and Iceland, and Norway and Sweden.

Table 8. OD matrix for the average IMEM estimates, 2002-2007

	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU	RW	Tot	
AT	■	0.5	3.6	2.1	0.5	2.0	1.9	0.8	1.2	0.3	0.9	0.2	0.9	6.0	0.4	1.2	0.8	19.0	0.9	0.9	1.1	1.0	0.5	0.4	2.0	0.7	3.9	0.7	12.9	6.5	0.4	1.0	1.0	1.0	
BE	0.4	■	1.2	1.0	0.5	0.4	0.7	1.2	1.7	0.8	1.0	2.4	1.3	1.2	1.0	1.4	0.9	1.9	0.9	19.1	1.1	1.8	4.1	0.6	0.9	1.5	0.9	0.7	1.7	0.7	0.8	1.3	0.6	1.0	1.0
BG	2.4	1.7	■	0.6	5.9	3.0	1.5	0.6	1.4	3.7	0.6	0.4	7.6	1.2	0.5	0.9	1.8	1.8	1.1	0.3	1.9	2.4	1.0	0.6	0.7	2.0	3.8	0.6	1.1	2.1	0.7	1.5	0.3	1.0	1.0
CH	1.0	0.5	0.6	■	0.3	0.4	0.8	0.7	0.9	0.6	0.7	0.7	0.5	0.6	0.5	0.9	1.4	13.0	0.3	0.8	0.6	1.2	0.4	0.4	0.4	0.7	0.5	0.5	3.6	0.9	0.4	0.7	1.5	1.0	1.0
CY	0.2	0.3	6.8	0.1	■	0.4	0.2	0.3	0.8	0.1	0.6	0.1	5.7	0.7	0.9	0.6	0.2	0.0	1.0	0.5	2.2	2.8	0.3	0.3	0.7	0.2	2.3	0.6	0.9	0.7	2.5	0.7	1.4	1.0	1.0
CZ	2.5	0.8	8.4	0.7	1.0	■	1.3	0.8	1.5	0.3	0.7	0.4	0.8	1.4	0.9	1.4	0.4	1.8	1.0	0.7	1.5	1.1	0.6	0.5	2.0	0.4	3.4	0.5	1.7	42.9	0.8	1.1	0.8	1.0	1.0
DE	2.5	1.2	2.2	2.5	0.4	1.0	■	1.2	1.4	0.6	0.7	0.7	1.6	2.1	0.6	1.1	0.7	2.5	1.5	2.7	1.6	0.9	1.1	0.6	4.2	1.2	1.8	0.6	3.3	1.6	0.6	1.0	1.0	1.0	1.0
DK	0.5	0.9	1.1	0.8	0.5	0.5	0.8	■	4.0	0.6	3.1	0.4	0.9	1.0	1.3	24.0	0.4	1.9	4.6	1.4	5.9	2.2	0.8	10.6	1.1	0.9	0.7	11.2	1.1	0.9	0.8	1.0	1.0	1.0	1.0
EE	0.5	1.0	0.7	0.5	1.0	0.4	0.5	2.7	■	0.3	31.4	0.3	0.5	1.6	1.5	6.7	0.3	1.1	5.6	0.7	39.6	0.6	0.6	3.0	0.5	0.7	0.4	4.8	0.6	0.5	1.4	1.0	1.0	1.0	1.0
ES	0.4	1.0	2.0	1.0	0.3	0.2	0.7	1.1	0.5	■	1.0	1.7	0.4	0.4	0.9	0.7	0.5	1.6	1.7	0.8	0.6	0.9	0.9	0.7	0.6	4.6	1.8	0.6	0.6	0.5	1.0	1.0	1.0	1.0	1.0
FI	1.1	1.5	1.0	1.3	1.1	0.6	0.8	3.6	27.5	0.9	■	0.4	1.2	1.8	1.7	5.9	0.5	1.6	2.9	1.6	7.3	1.5	1.2	7.2	0.6	0.9	0.5	17.4	0.9	0.6	0.7	1.2	0.6	1.0	1.0
FR	0.3	4.0	0.8	1.9	0.3	0.3	0.6	0.6	0.9	1.0	0.4	■	0.6	0.7	0.6	0.7	0.8	1.2	0.4	5.2	0.5	2.1	0.5	0.3	0.6	1.3	0.7	0.4	0.9	0.6	0.7	0.9	1.2	1.0	1.0
GR	0.7	0.7	11.9	0.5	27.0	0.4	1.7	0.9	1.1	0.3	0.9	0.3	■	0.7	0.5	0.8	0.7	1.4	0.6	0.5	0.6	2.7	1.0	0.5	1.1	0.6	2.0	1.1	1.2	0.8	1.0	0.9	1.1	1.0	1.0
HU	5.4	1.4	2.2	0.9	1.9	0.7	2.2	1.0	3.3	0.5	1.2	0.6	1.1	■	2.4	1.7	0.8	2.7	0.5	0.7	0.9	1.5	0.9	0.6	0.8	0.7	6.2	1.3	3.3	8.9	1.1	1.3	0.5	1.0	1.0
IE	0.2	1.5	0.4	0.7	0.7	0.3	0.3	0.6	1.5	0.4	0.6	0.3	0.5	0.9	■	1.1	0.3	0.7	3.4	0.5	2.9	1.7	0.5	0.3	1.1	0.5	0.4	0.4	0.6	0.4	3.6	1.0	1.1	1.0	1.0
IS	0.9	1.1	0.9	0.8	0.4	0.8	0.6	26.0	2.1	0.9	4.2	0.4	1.0	0.4	0.7	■	0.2	2.9	4.5	1.0	5.7	5.1	1.4	10.0	1.9	1.3	0.6	6.1	1.7	1.1	1.1	1.2	0.6	1.0	1.0
IT	0.7	1.4	1.4	4.6	0.2	0.3	1.3	0.6	0.9	0.6	0.5	2.9	0.9	0.8	0.6	0.9	■	2.1	0.5	1.1	0.7	3.7	0.4	0.3	0.8	0.8	1.6	0.3	3.3	0.7	0.4	1.3	0.5	1.0	1.0
LI	6.5	0.9	2.7	8.1	1.1	0.8	1.0	2.3	1.2	0.9	1.6	1.2	1.9	1.6	0.6	0.0	1.2	■	1.0	1.9	1.3	5.1	0.5	1.0	1.4	1.4	1.4	0.6	6.1	1.5	0.1	1.2	0.6	1.0	1.0
LT	0.6	0.7	1.3	0.4	0.8	0.7	1.1	4.4	9.4	1.3	1.6	0.3	0.3	0.4	4.2	7.6	0.5	0.7	■	0.6	41.4	0.8	0.8	4.2	2.1	1.1	0.3	3.1	0.5	0.4	1.5	1.1	0.8	1.0	1.0
LU	0.7	7.5	0.7	1.1	0.3	0.3	1.8	2.5	1.5	0.4	1.7	1.6	1.0	0.8	0.8	4.0	0.9	1.2	0.9	■	1.0	1.1	1.1	0.4	0.6	3.1	0.6	1.2	3.0	0.5	0.6	1.3	0.5	1.0	1.0
LV	0.5	0.4	0.7	0.4	1.8	0.3	0.9	3.8	30.4	0.3	2.8	0.3	0.3	3.1	6.3	0.4	0.6	23.9	0.6	■	0.6	0.6	2.5	0.6	0.7	0.3	2.7	0.6	0.5	1.2	0.8	1.2	1.0	1.0	1.0
MT	0.5	1.5	1.8	0.6	3.8	0.5	0.5	1.2	3.6	0.3	1.1	1.0	1.2	3.6	1.8	3.8	1.5	0.0	1.2	0.6	1.0	■	0.9	0.7	0.7	1.0	1.3	1.4	2.2	1.1	3.1	1.3	0.6	1.0	1.0
NL	0.5	6.3	0.7	0.8	0.4	0.5	1.0	1.0	0.9	0.6	0.8	0.4	0.9	0.9	0.9	1.4	0.4	0.7	0.6	1.2	0.8	1.5	■	0.9	0.8	1.4	0.6	0.8	0.9	0.5	0.7	0.8	1.3	1.0	1.0
NO	0.3	0.7	0.6	0.4	0.3	0.3	0.4	11.5	2.7	0.7	7.2	0.3	0.4	0.3	0.8	13.0	0.2	0.5	2.8	0.4	3.1	1.0	0.8	■	1.0	0.9	0.5	12.1	0.3	0.9	0.8	0.9	1.1	1.0	1.0
PL	1.2	0.6	0.5	0.3	0.8	1.3	3.7	1.1	0.8	0.4	0.3	0.3	0.4	0.5	1.3	3.0	0.6	1.2	1.0	0.5	0.8	0.3	0.9	1.4	■	0.2	0.3	1.4	0.3	1.4	1.5	1.3	0.5	1.0	1.0
PT	0.3	0.6	0.4	1.1	0.2	0.1	0.7	0.4	0.7	2.4	0.3	4.0	0.3	0.4	0.4	1.1	0.3	0.4	0.5	6.6	0.5	0.9	0.7	0.3	0.2	■	0.4	0.3	0.4	0.3	0.7	1.4	0.3	1.0	1.0
RO	2.9	0.7	1.6	0.7	1.9	1.0	1.6	0.4	0.4	2.7	0.4	0.5	1.5	11.9	0.7	0.9	4.8	1.7	0.1	0.5	0.3	0.6	0.5	0.5	0.2	1.1	■	0.4	0.4	2.8	0.2	1.5	0.2	1.0	1.0
SE	0.8	1.1	0.9	0.9	1.5	0.6	0.5	9.9	8.3	0.7	17.5	0.4	1.3	1.7	1.0	11.0	0.4	0.8	2.7	1.4	4.9	3.1	0.8	13.5	1.6	0.8	0.7	■	2.3	0.8	0.9	1.0	0.9	1.0	1.0
SI	6.8	1.6	2.4	2.3	0.8	0.9	1.6	0.9	1.6	0.4	0.6	0.5	0.9	3.1	1.3	1.9	2.3	9.8	0.7	2.2	1.1	1.8	0.7	0.5	0.4	0.6	0.9	1.1	■	2.5	0.1	1.1	0.9	1.0	1.0
SK	5.1	0.4	1.1	0.9	1.7	43.3	1.3	0.5	0.8	0.3	0.3	0.2	0.4	3.3	0.5	0.8	0.5	2.0	0.3	0.5	0.7	0.4	0.5	0.6	0.7	0.3	0.7	0.4	1.5	■	0.8	1.5	0.3	1.0	1.0
UK	0.2	0.5	0.4	0.4	3.2	0.4	0.3	0.7	0.7	1.0	0.5	0.4	0.8	0.9	3.8	0.4	0.3	0.2	1.6	0.4	0.9	3.3	0.6	0.6	1.1	0.9	0.3	0.5	0.2	0.4	■	0.5	1.6	1.0	1.0
EU	1.1	1.5	1.4	1.5	1.4	1.2	1.1	1.2	1.5	0.8	1.1	0.9	1.0	1.5	1.3	1.7	0.7	2.0	1.3	2.1	1.5	1.8	0.8	1.0	1.5	1.1	1.1	1.0	1.7	1.9	0.8				
RW	0.9	0.6	0.7	0.7	0.7	0.9	0.9	0.9	0.7	1.1	1.0	1.1	1.0	0.6	0.8	0.5	1.2	0.3	0.8	0.2	0.6	0.4	1.1	1.0	0.7	0.9	0.9	1.0	0.5	0.4	1.1				
Tot	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

NB EU=EU27+4, RW=Rest of the world, Tot=Total.

Table 9. OD matrix for the average MIMOSA estimates, 2002-2007

	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU	RW	Tot	
AT	0.3	3.7	1.4	0.2	0.5	1.8	0.6	0.6	0.1	0.5	0.2	0.7	6.5	0.2	0.5	0.2	18.5	0.3	0.3	0.4	0.5	0.5	0.3	1.5	0.5	4.8	0.4	6.9	3.7	0.3	0.9	1.2	1.0		
BE	0.3	0.3	0.4	0.3	0.1	0.6	1.2	0.4	0.6	1.1	2.9	0.4	0.3	0.6	0.5	0.5	0.5	0.5	0.5	27.3	0.7	0.7	6.3	0.5	0.9	0.4	0.3	0.6	1.1	0.4	0.8	1.1	0.9	1.0	
BG	1.7	0.2	0.2	3.1	1.2	1.6	0.3	0.3	2.8	0.3	0.3	1.5	0.2	0.2	0.2	0.8	0.2	0.4	0.1	2.3	0.6	1.1	0.3	0.3	0.1	2.1	0.4	0.1	1.9	0.5	1.1	0.9	1.0		
CH	1.4	0.4	0.4	0.3	0.2	1.7	1.4	0.4	0.9	1.4	2.1	0.4	0.3	0.5	0.5	2.3	5.2	0.4	1.2	0.6	0.7	1.0	0.6	0.6	0.6	0.3	0.9	7.8	1.3	1.0	1.3	0.6	1.0		
CY	0.0	0.1	9.3	0.1	0.0	0.1	0.1	0.7	0.0	0.2	0.1	9.2	0.8	0.3	0.0	0.0	0.1	0.0	0.1	2.9	0.1	0.1	0.1	0.1	0.0	2.9	0.2	0.2	0.1	0.9	0.5	1.7	1.0		
CZ	0.5	0.1	5.1	0.2	0.2	0.4	0.2	0.1	0.0	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.0	0.1	0.0	0.3	0.2	0.2	0.1	0.1	0.1	0.8	0.1	0.1	6.3	0.3	0.3	1.9	1.0		
DE	2.2	0.5	2.7	2.1	0.3	0.3	1.0	1.3	0.3	0.6	0.6	2.7	3.7	0.4	0.5	0.5	2.2	1.0	2.0	1.1	0.4	1.2	0.7	5.8	1.5	2.4	0.6	2.8	1.1	0.5	1.1	0.9	1.0		
DK	0.4	0.8	0.3	0.9	0.3	0.1	0.7	4.4	0.3	3.7	0.7	0.5	0.6	0.8	44.3	0.2	3.1	2.8	0.7	4.6	1.3	0.9	14.5	0.6	0.4	0.3	14.9	0.4	0.8	0.8	1.1	0.9	1.0		
EE	0.3	0.2	0.2	0.2	1.2	0.1	0.7	2.3	0.1	62.9	0.2	0.1	0.3	0.5	2.5	0.2	0.1	2.8	0.4	27.8	1.3	0.5	3.2	0.1	0.1	0.2	3.4	0.0	0.2	1.4	1.0	1.0	1.0		
ES	0.2	1.1	1.8	1.8	0.1	0.0	0.5	0.9	0.2	0.8	1.1	0.1	0.2	1.1	0.3	0.2	4.9	1.0	0.2	0.2	0.2	0.8	0.5	0.3	2.4	2.8	0.5	0.2	0.2	0.8	0.7	1.4	1.0		
FI	1.3	1.2	0.2	1.6	0.6	0.3	1.3	3.5	68.0	0.6	0.6	0.5	1.1	1.6	3.2	0.3	0.7	3.1	0.5	9.2	1.1	1.6	8.5	0.2	0.3	0.1	19.6	0.3	0.5	0.6	1.3	0.5	1.0		
FR	0.3	2.6	0.6	1.6	0.2	0.2	0.8	1.0	0.6	0.6	0.5	0.5	0.9	0.3	0.4	1.1	0.3	10.3	0.5	1.9	1.0	0.4	0.8	2.5	0.6	0.5	0.6	0.6	1.2	0.9	1.2	1.0			
GR	0.7	0.4	2.2	0.3	38.7	0.1	2.4	0.8	0.5	0.1	0.7	0.5	0.3	0.3	0.1	0.3	0.6	0.3	0.3	0.3	2.3	1.7	0.3	1.2	0.2	1.3	1.3	0.3	0.4	1.3	1.1	0.9	1.0		
HU	3.6	0.4	0.5	0.4	1.0	0.1	2.5	0.5	0.5	0.1	0.6	0.6	0.3	0.4	0.2	0.2	0.3	0.1	0.2	0.2	0.4	0.7	0.3	0.2	0.2	2.8	0.6	0.5	4.1	0.6	0.9	1.1	1.0		
IE	0.3	1.7	0.7	1.0	0.8	0.2	0.5	1.1	1.1	0.5	1.2	1.3	0.5	0.3	0.3	0.2	1.4	11.7	0.5	8.8	1.9	1.0	0.4	2.4	0.6	0.7	0.7	0.3	0.4	2.3	1.0	1.0	1.0		
IS	0.5	0.3	0.1	0.3	0.0	0.1	0.5	50.0	3.7	0.3	3.9	0.2	0.1	0.1	0.2	0.2	0.0	2.6	0.2	4.6	2.3	1.1	14.1	1.6	0.8	0.1	10.0	1.3	0.6	1.3	1.4	0.4	1.0		
IT	0.8	1.7	0.4	7.6	0.1	0.2	1.4	0.9	0.2	0.7	0.6	1.2	0.5	0.4	0.5	0.5	3.0	0.6	1.0	0.8	3.7	0.8	0.3	1.3	0.4	1.1	0.4	2.7	0.9	0.6	1.2	0.8	1.0		
LI	7.7	0.6	0.8	5.0	0.0	0.1	1.5	4.8	0.6	0.5	1.2	1.9	0.7	0.8	0.7	0.0	0.6	0.0	0.0	1.5	1.9	0.5	0.6	1.6	0.7	0.7	0.2	10.9	1.7	0.0	1.2	0.7	1.0		
LT	0.5	0.4	0.6	0.3	0.5	0.2	1.4	4.6	4.1	0.9	0.8	0.3	0.2	0.1	10.1	8.3	0.3	0.0	0.1	27.0	0.3	0.7	5.2	0.9	0.5	0.0	1.9	0.0	0.2	1.2	1.0	1.0	1.0		
LU	0.4	14.9	0.2	1.8	0.1	0.0	1.7	1.8	1.6	0.1	1.4	4.9	0.4	0.4	0.8	2.3	0.4	1.7	0.5	0.4	1.7	0.9	0.2	0.2	11.9	0.2	0.7	2.0	0.1	0.8	1.6	0.2	1.0		
LV	0.3	0.3	0.3	0.4	2.1	0.1	1.0	3.0	34.1	0.2	1.5	0.4	0.1	0.1	3.1	4.0	0.2	1.8	9.9	0.2	0.3	0.4	0.3	0.4	1.9	0.2	0.3	0.0	1.3	0.0	0.3	0.9	0.7	1.5	1.0
MT	0.2	0.6	0.4	0.3	1.9	0.1	0.2	0.7	1.3	0.1	0.3	1.3	0.3	0.3	1.1	0.4	0.5	0.3	0.3	0.3	0.4	0.7	0.3	0.1	0.3	0.2	0.7	0.9	0.6	1.8	0.6	1.5	1.0		
NL	0.6	9.3	0.3	1.1	0.3	0.3	1.3	1.2	0.5	0.6	0.9	0.9	0.7	0.7	0.9	0.7	0.2	0.4	0.5	0.6	0.7	1.2	1.3	1.1	1.2	0.2	1.0	0.6	0.6	1.0	1.0	1.0	1.0		
NO	0.3	0.4	0.4	0.6	0.2	0.1	0.5	17.6	4.6	0.8	12.1	0.4	0.3	0.3	0.4	18.2	0.1	0.3	4.1	0.2	3.5	1.1	1.3	1.2	0.4	0.2	20.5	0.1	1.3	1.0	1.3	0.6	1.0		
PL	1.1	0.9	0.1	0.4	0.9	0.5	3.7	0.9	0.1	0.3	0.2	0.5	0.6	0.1	5.8	5.4	0.5	0.9	0.4	0.1	0.4	0.2	1.1	2.2	0.1	0.0	1.0	0.0	1.0	1.5	1.3	0.6	1.0		
PT	0.4	0.4	0.2	0.3	0.1	0.0	1.2	0.5	0.2	2.7	0.4	2.1	0.1	0.1	0.2	1.7	0.2	0.6	0.6	22.9	0.5	0.6	2.0	0.4	0.1	0.2	0.3	0.2	0.2	1.1	1.1	0.8	1.0		
RO	1.4	0.2	0.6	0.1	0.7	0.2	0.8	0.2	0.1	3.6	0.1	0.3	0.4	1.4	0.2	0.1	3.4	0.1	0.0	0.0	0.1	0.4	0.2	0.2	0.0	0.1	0.2	0.0	2.4	0.1	1.2	0.7	1.0		
SE	0.9	0.7	0.2	1.2	0.8	0.2	0.7	10.3	5.3	0.5	28.2	0.6	1.5	0.7	0.8	12.2	0.2	0.3	2.4	0.7	4.3	3.0	1.1	19.2	1.6	0.4	0.2	1.8	0.6	1.1	1.2	0.7	1.0		
SI	6.4	1.9	0.3	4.6	0.6	0.3	2.6	0.9	0.1	0.2	0.3	0.4	0.3	0.5	0.4	1.1	1.0	27.6	0.3	0.4	0.7	0.7	0.9	0.4	0.2	0.2	0.0	0.6	3.1	0.0	1.2	0.8	1.0		
SK	3.1	0.3	0.4	2.8	2.3	19.8	1.3	0.3	0.0	0.1	0.1	0.3	0.2	2.0	0.7	0.5	0.2	1.7	0.1	0.1	0.2	0.0	0.4	0.5	0.1	0.1	0.2	0.1	0.3	0.8	1.4	0.5	1.0		
UK	0.3	0.4	0.4	0.7	3.7	0.2	0.3	1.3	0.9	1.2	0.9	1.4	1.7	1.2	4.7	0.7	0.3	0.0	2.8	0.3	1.8	4.3	1.1	0.8	0.7	0.7	0.2	0.8	0.3	0.4	0.8	1.3	1.0		
EU	1.1	1.0	1.4	1.3	1.4	0.7	1.3	1.2	1.2	0.9	1.2	0.8	1.0	1.2	1.6	1.8	0.7	1.8	1.0	2.1	1.3	1.2	1.0	1.2	1.5	0.9	1.2	1.0	1.2	1.4	0.8				
RW	0.9	1.0	0.7	0.7	0.7	1.2	0.8	0.8	0.8	1.1	0.8	1.2	1.0	0.8	0.5	0.3	1.3	0.3	1.0	0.1	0.8	0.8	1.0	0.9	0.6	1.1	0.8	1.0	0.9	0.7	1.2				
Tot	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			

NB EU=EU27+4, RW=Rest of the world, Tot=Total.

Table 10. IMEM OD values compared with MIMOSA OD values, 2002-2007

From	To																																					
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total				
AT						+																							+++	++								
BE									+									+		---		+	--			+												
BG		+			++	+			+				+++					+				+				+	+		+									
CH																		+++																				
CY			--																		++													+				
CZ	++	++							+					+		+	+				+				+		++		+	+++						-		
DE																																						
DK																																						
EE																																						
ES																											++	-										
FI																																						
FR		+																																				
GR			+++		---																																	
HU	+		+						++																													
IE																																						
IS																																						
IT																																						
LI	-		+	++	+				--					+																								
LT									+++																													
LU			---																																			
LV																																						
MT																																						
NL																																						
NO																																						
PL																																						
PT																																						
RO	+					+																																
SE																																						
SI																																						
SK	+		++	--					+																													
UK																																						
EU27+4																																						
Rest																																						
Total																																						

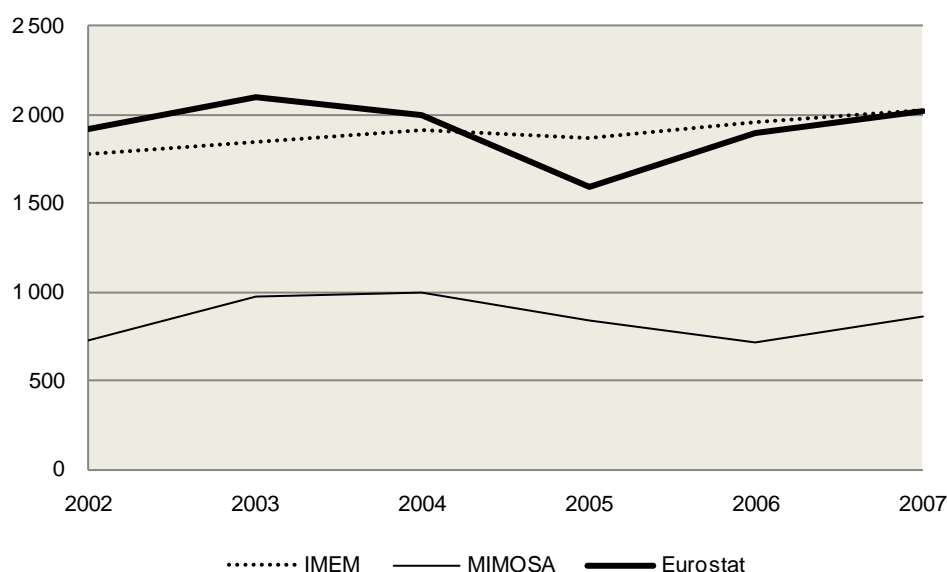
NB The differences have been calculated as IMEM minus MIMOSA.
 --- absolute less than -4; -- between -2 and -4; - between -1 and -2.
 +++ absolute more than 4; ++ between 2 and 4; + between 1 and 2.

6. IMEM and MIMOSA compared to reported numbers, 2002-2007

So far only averages for the period 2002-2007 have been discussed. Hence, the question whether observed trends in reported migration flows are reflected by the IMEM and MIMOSA estimates could not be answered yet.

A simple way to get an idea of the trends in migration for all countries under concern is to look at the net migration calculated as total population change minus births plus deaths. In Figure 1 this trend is compared with the results of IMEM and MIMOSA.

Figure 1. Net migration in the EU27+4 according to various sources (x 1 000)

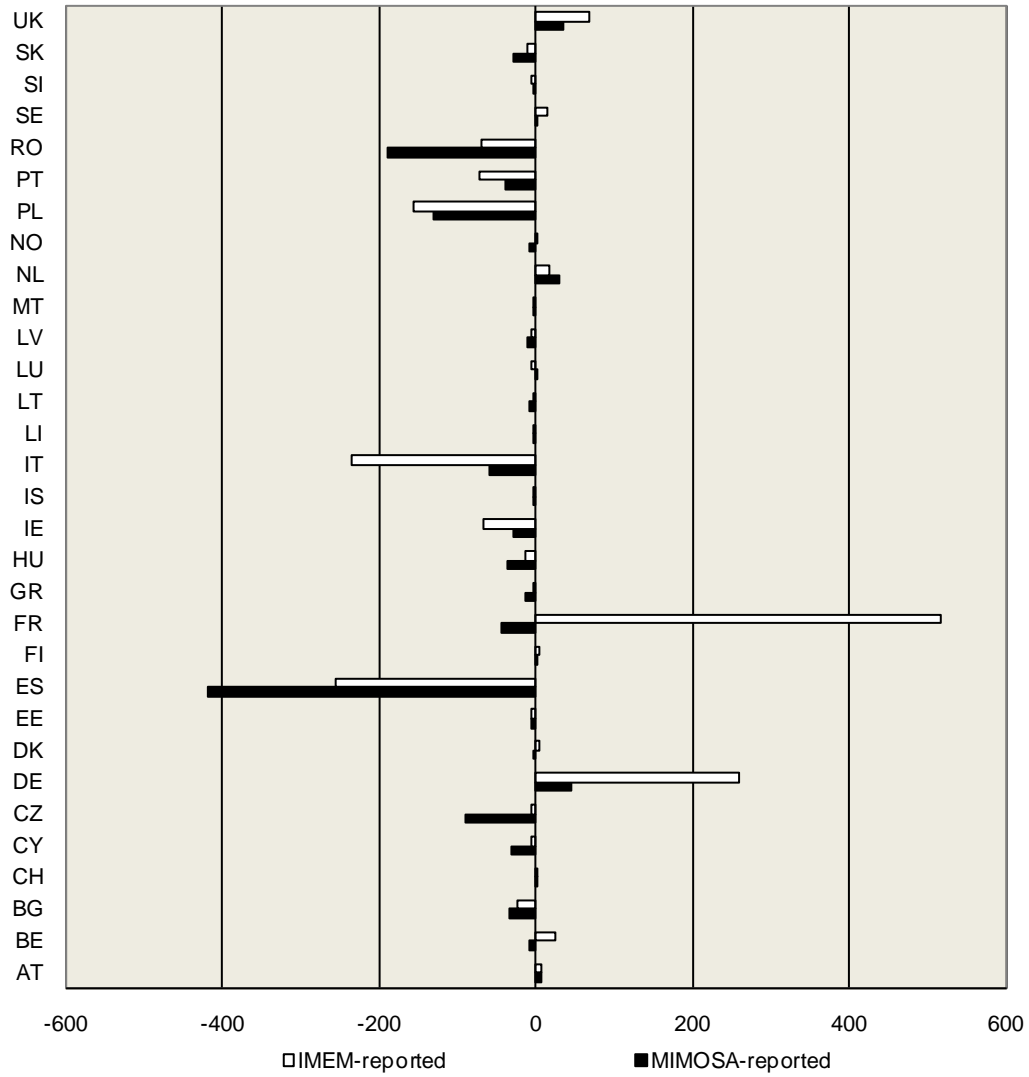


It appears that IMEM estimates remain rather close to the reported numbers with an annual surplus that fluctuates around two million. The difference with the MIMOSA estimates is huge: the last estimates are on average one million per year lower. Hence, the current population size of the EU does not need to be corrected if the IMEM estimates are right but would be about six million too high in a period of six years if the MIMOSA estimates are right.

The next question is which countries contribute most to the observed differences. According to Figure 2 Spain, France, Germany and Italy are the main contributors. Other countries that contribute importantly to the differences in net migration in Figure 1 are Poland and Romania.

Hereafter for all 31 countries a short summary of the comparisons will be presented, in alphabetical order of the country abbreviations. Judgments in the sense of estimates that are too high or too low are based on the assumed quality and reliability of the reported numbers and on the personal experience with migration data of the author of this report (including the assessment of the MIMOSA results).

Figure 2. Average difference in net migration per country, 2002-2007 (x 1 000)



6.1 AT - Austria

Figure 3. Immigration AT (x 1 000)

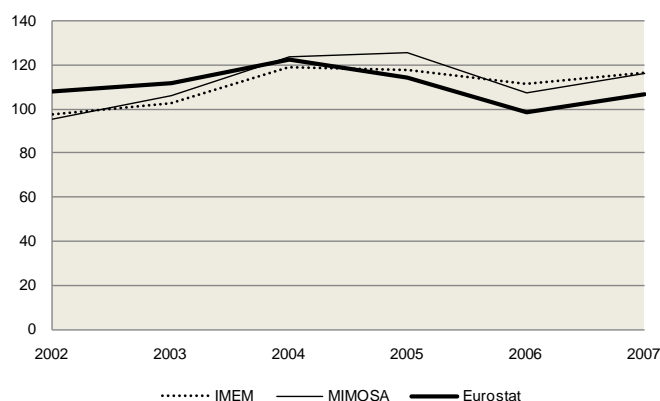


Figure 4. Emigration AT (x 1 000)

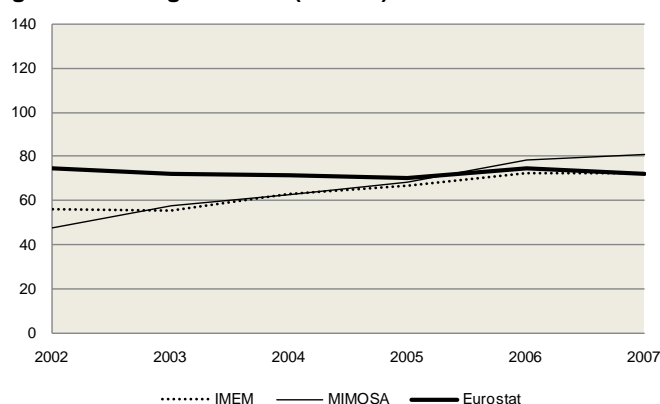


Figure 5. Net migration AT (x 1 000)

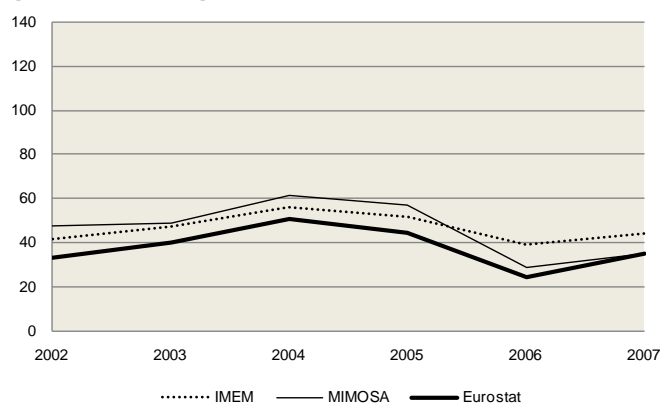


Table 11. Average migration AT, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	6.4	6.6	6.3
Emigration	4.7	4.1	4.5
Net migration	1.7	2.5	1.8
Rest			
Immigration	7.2	7.1	7.1
Emigration	3.2	3.9	4.3
Net migration	4.0	3.2	2.8
Total			
Immigration	13.5	13.7	13.5
Emigration	7.8	8.0	8.8
Net migration	5.7	5.7	4.6

Immigration

- IMEM and MIMOSA remain close to the observed numbers
- Within the EU, the IMEM estimates are somewhat too high for the immigration from Germany and Italy and somewhat too low for the immigration from Poland and Romania
- IMEM and MIMOSA follow the observed trend reasonably well

Emigration

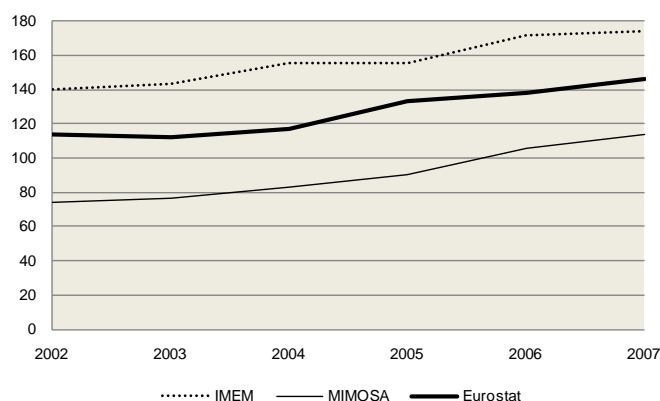
- IMEM and MIMOSA do not differ much from each other
- Within the EU, the IMEM estimates are obviously too low for the emigration to the rest of the world
- The IMEM estimates are somewhat too low for the emigration to Romania and somewhat too high for the emigration to Italy
- IMEM and MIMOSA do not follow the observed (rather stable) trend

Net migration

- For all years the IMEM estimates are somewhat higher than the observed numbers and for recent years also higher than the MIMOSA estimates
- IMEM and MIMOSA follow the observed trend reasonably well

6.2 BE - Belgium

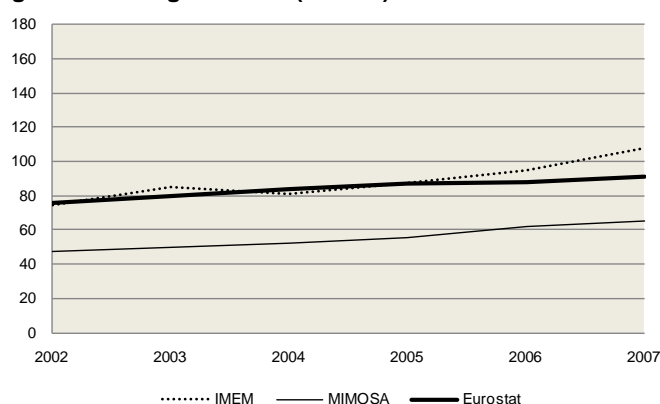
Figure 6. Immigration BE (x 1 000)



Immigration

- IMEM results in importantly higher estimates than MIMOSA
- The IMEM estimates are also higher than the reported numbers
- Within the EU, the IMEM estimates are probably too high for the immigration from France, Germany, Italy and the United Kingdom
- Within the EU, the IMEM estimates look too low for the immigration from Luxembourg
- IMEM follows the observed trend reasonably well

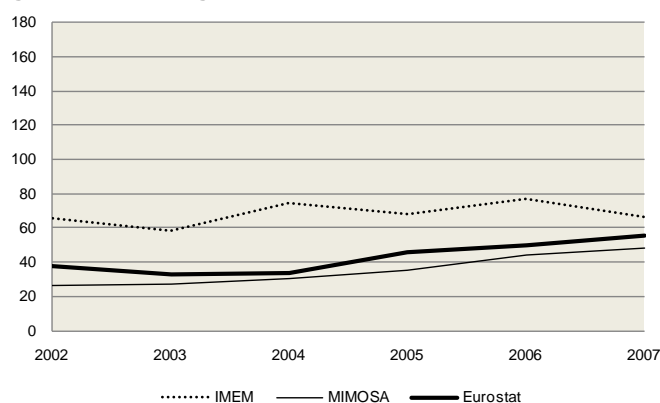
Figure 7. Emigration BE (x 1 000)



Emigration

- The IMEM estimates practically equal the observed numbers
- The MIMOSA estimates remain below the IMEM estimates
- Within the EU, the IMEM estimates are probably too high for the emigration to France, Germany, Italy, the Netherlands, Spain and the United Kingdom
- Within the EU, the IMEM estimates look too low for the emigration to Luxembourg
- IMEM follows the observed trend well

Figure 8. Net migration BE (x 1 000)



Net migration

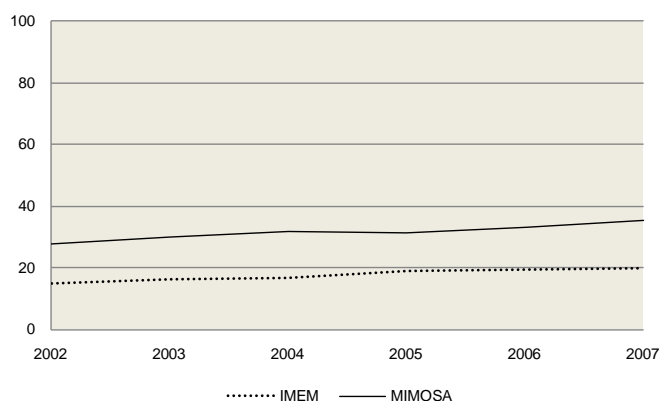
- IMEM results in higher positive net migration numbers than observed and MIMOSA
- In 2007 both estimates do not differ much from the observed numbers

Table 12. Average migration BE, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	9.3	4.0	:
Emigration	6.5	3.3	:
Net migration	2.9	0.7	:
Rest			
Immigration	5.6	4.6	:
Emigration	2.0	2.0	:
Net migration	3.7	2.6	:
Total			
Immigration	15.0	8.7	12.1
Emigration	8.4	5.3	8.0
Net migration	6.5	3.4	4.1

6.3 BG - Bulgaria

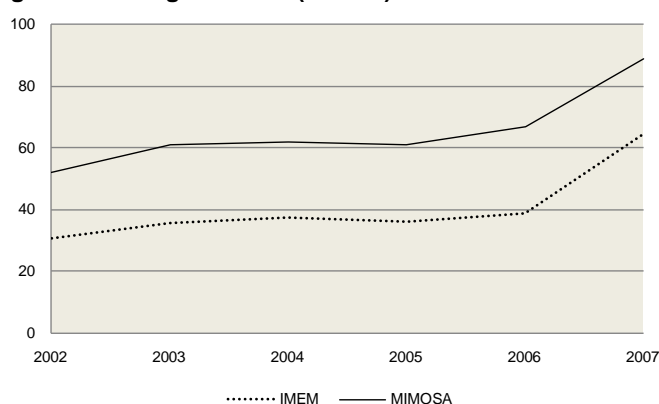
Figure 9. Immigration BG (x 1 000)



Immigration

- There are no reported data for Bulgaria
- IMEM results in lower estimates than MIMOSA
- Within the EU, the IMEM estimates are too low for especially the immigration from Germany and Spain
- The IMEM estimates for the immigration from the rest of the world look also much too low
- The IMEM and MIMOSA estimates show the same trend

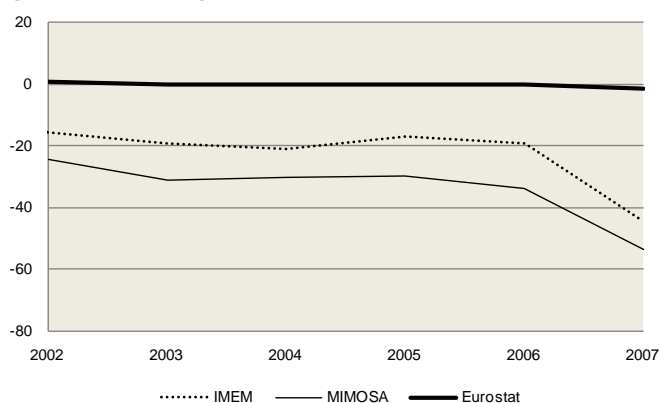
Figure 10. Emigration BG (x 1 000)



Emigration

- There are no reported data for Bulgaria
- IMEM results in lower estimates than MIMOSA
- Within the EU, the IMEM estimates are too low for especially the emigration to Germany and Spain
- The IMEM estimates for the emigration to the rest of the world look also much too low
- The IMEM and MIMOSA estimates show the same trend

Figure 11. Net migration BG (x 1 000)



Net migration

- Reported data of Bulgaria have been calculated as the difference between total population change and natural population change
- The reported data do not look plausible
- The net migration of IMEM results in lower population losses than MIMOSA, mainly due to lower emigration estimates
- However, the IMEM and MIMOSA estimates show the same trend

Table 13. Average migration BG, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	1.3	2.6	:
Emigration	4.7	5.4	:
Net migration	-3.4	-2.8	:
Rest			
Immigration	1.0	1.5	:
Emigration	0.5	3.0	:
Net migration	0.4	-1.5	:
Total			
Immigration	2.3	4.1	:
Emigration	5.2	8.4	:
Net migration	-2.9	-4.3	0.0

6.4 CH - Switzerland

Figure 12. Immigration CH (x 1 000)

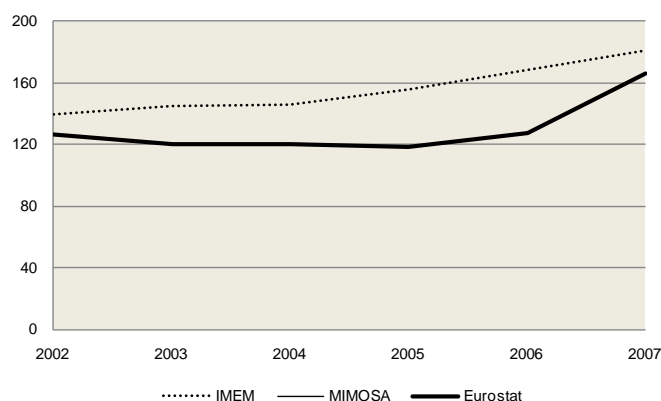


Figure 13. Emigration CH (x 1 000)

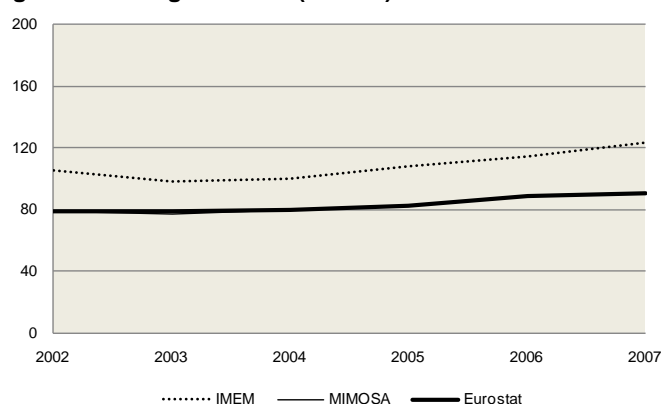


Figure 14. Net migration CH (x 1 000)

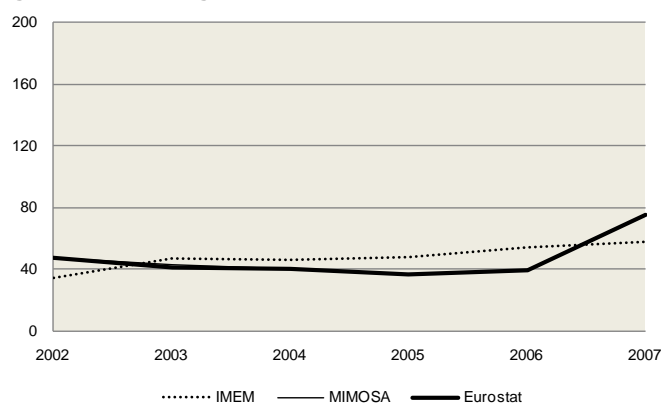


Table 14. Average migration CH, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	12.9	10.6	:
Emigration	6.4	8.4	:
Net migration	6.6	2.2	:
Rest			
Immigration	8.1	6.9	:
Emigration	8.2	2.7	:
Net migration	-0.1	4.2	:
Total			
Immigration	21.0	17.5	17.5
Emigration	14.6	11.1	11.2
Net migration	6.4	6.3	6.3

Immigration

- MIMOSA equals the reported data of Switzerland
- IMEM results in somewhat higher estimates
- Within the EU, the IMEM estimates are too high for especially the immigration from France, Germany and Italy
- The IMEM estimates for the immigration from the rest of the world may also be too high
- A higher relative figure than in other European countries could be plausible because of the many seasonal workers in Switzerland who should not but in practice may be registered (and deregistered)
- The IMEM estimates do not follow the observed trend well

Emigration

- MIMOSA equals the reported data of Switzerland
- IMEM results in importantly higher estimates
- The IMEM estimates look much too high for the emigration to the rest of the world
- A higher relative figure than in other European countries could be plausible because of the many seasonal workers in Switzerland who should not but in practice may be registered (and deregistered)
- The IMEM estimates follow the observed trend reasonably well

Net migration

- MIMOSA equals the reported data of Switzerland
- The credibility of the IMEM estimates which result in a negative surplus for the rest of the world is limited
- The IMEM estimates do not follow the observed trend well

6.5 CY - Cyprus

Figure 15. Immigration CY (x 1 000)

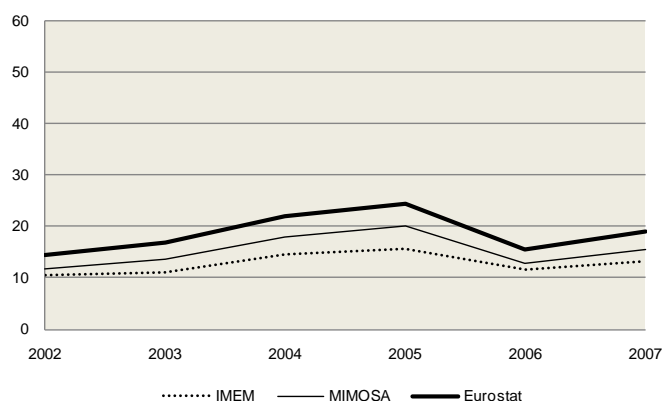


Figure 16. Emigration CY (x 1 000)

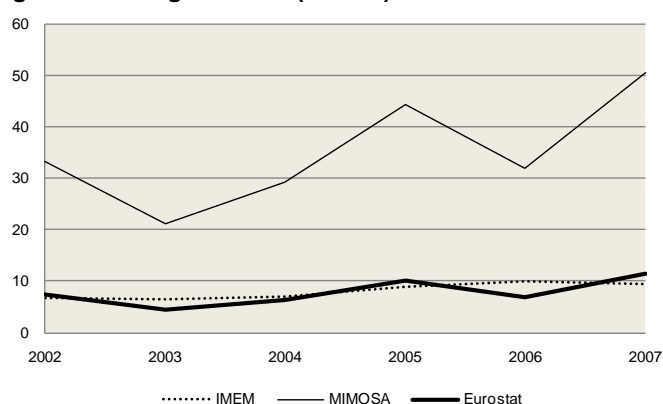


Figure 17. Net migration CY (x 1 000)

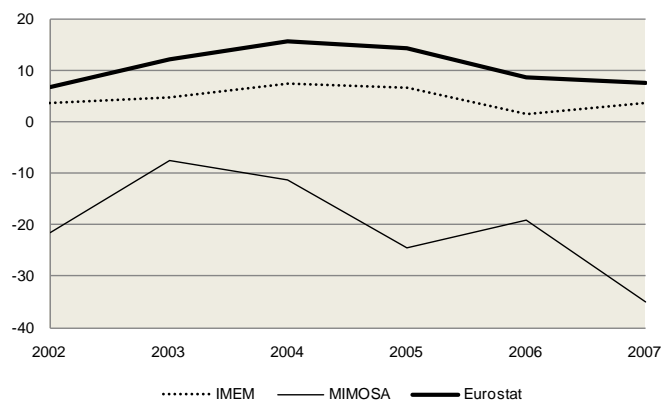


Table 15. Average migration CY, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	10.0	12.9	15.6
Emigration	4.9	13.4	2.9
Net migration	5.1	-0.5	12.6
Rest			
Immigration	7.1	7.6	9.4
Emigration	6.0	33.5	7.4
Net migration	1.2	-25.9	2.0
Total			
Immigration	17.1	20.5	25.0
Emigration	10.9	46.9	10.4
Net migration	6.3	-26.4	14.6

Immigration

- IMEM results in somewhat lower numbers of immigrants than observed, mainly due to the too low immigration from Greece
- IMEM follows the observed trend reasonably well

Emigration

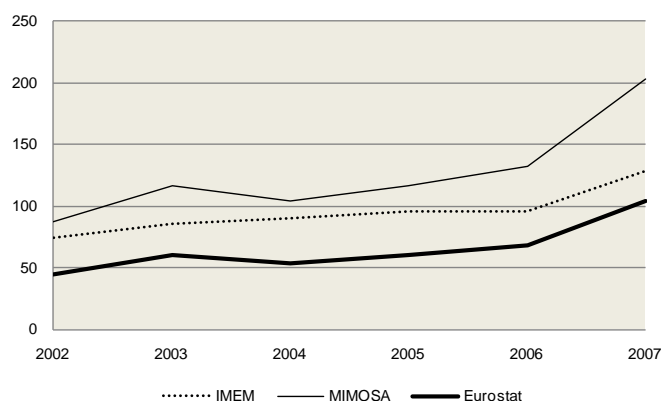
- The MIMOSA estimates are probably wrong
- The IMEM estimates are close to the observed numbers
- The IMEM estimates of the emigration to Bulgaria, Greece, Romania and the rest of the world may be too low
- IMEM follows the observed trend reasonably well

Net migration

- The MIMOSA estimates are far from plausible
- The IMEM estimates remain below the observed net migration due to the lower immigration
- A positive net migration is most likely for Cyprus

6.6 CZ - Czech Republic

Figure 18. Immigration CZ (x 1 000)



Immigration

- IMEM results in importantly higher estimates than observed
- IMEM remains below MIMOSA, due to lower immigration from the rest of the world
- IMEM follows the observed trend reasonably well

Emigration

- As expected because of the narrow definition of an emigrant, the estimates are much higher than the observed numbers
- However, MIMOSA is much too high as regards the emigration to the rest of the world
- IMEM follows the observed trend reasonably well

Net migration

- IMEM practically equals the observed net migration of the Czech Republic
- Because of the various definitions (for emigration more limited than for immigration), a negative net migration looks more plausible
- IMEM follows the observed trend reasonably well

Figure 19. Emigration CZ (x 1 000)

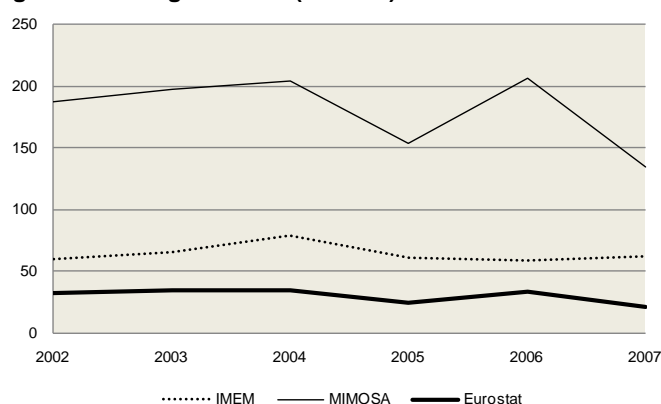


Figure 20. Net migration CZ (x 1 000)

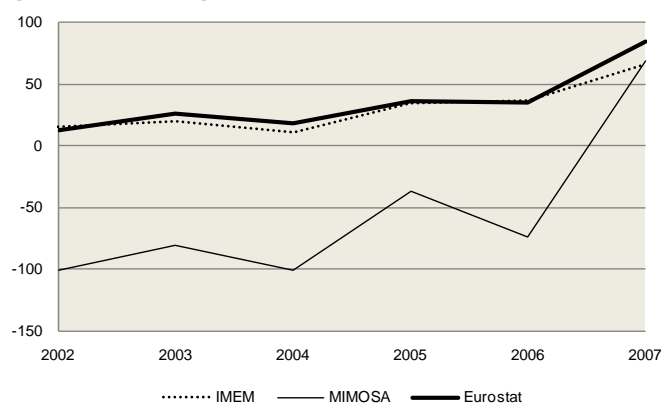


Table 16. Average migration CZ, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	4.4	4.0	2.0
Emigration	4.2	3.4	1.2
Net migration	0.2	0.6	0.8
Rest			
Immigration	4.8	8.3	4.3
Emigration	2.0	14.2	1.7
Net migration	2.8	-5.9	2.6
Total			
Immigration	9.2	12.3	6.4
Emigration	6.2	17.6	2.9
Net migration	3.0	-5.3	3.4

6.7 DE - Germany

Figure 21. Immigration DE (x 1 000)

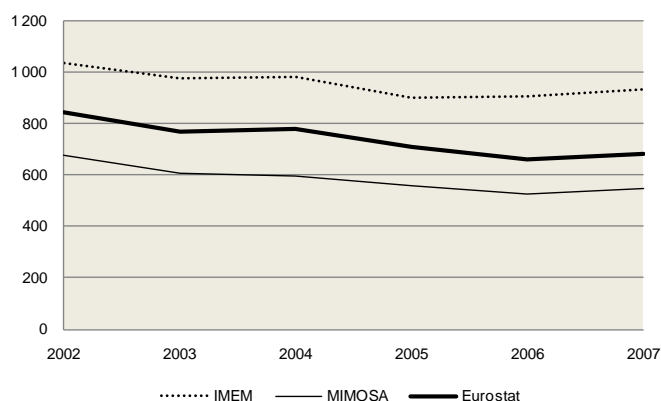


Figure 22. Emigration DE (x 1 000)

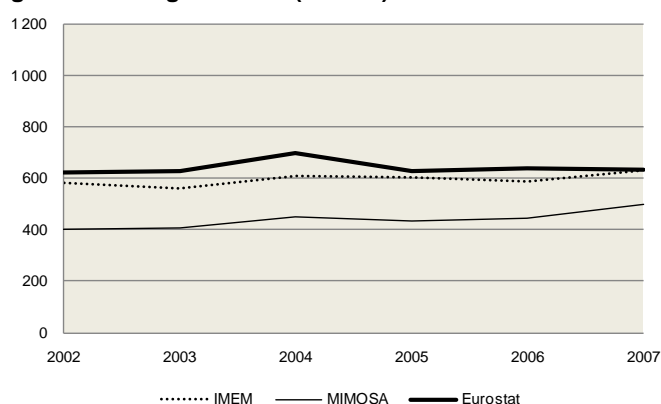


Figure 23. Net migration DE (x 1 000)

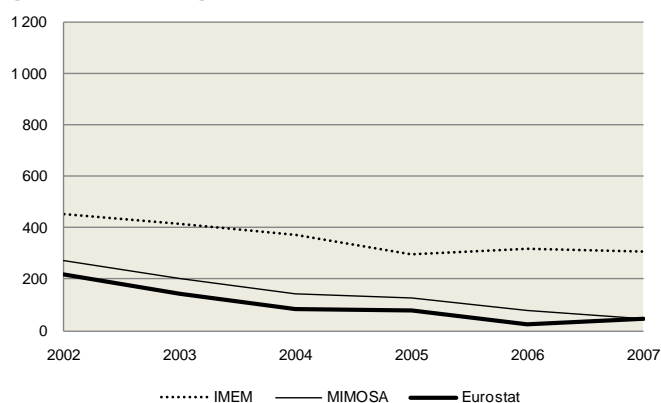


Table 17. Average migration DE, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	4.7	3.7	4.6
Emigration	4.1	3.2	4.5
Net migration	0.6	0.5	0.1
Rest			
Immigration	6.9	3.4	4.4
Emigration	3.1	2.2	3.3
Net migration	3.8	1.3	1.1
Total			
Immigration	11.6	7.1	9.0
Emigration	7.2	5.3	7.8
Net migration	4.4	1.8	1.2

Immigration

- It is not likely, given the broad immigration definition in Germany, that the IMEM estimates are higher than the observed numbers
- Especially the immigration from the rest of the world is strongly overestimated
- Furthermore, the estimates of the immigration from Belgium, Denmark, France, Italy, the Netherlands and the UK may be too high
- On the other hand, the estimates of the immigration from Bulgaria, Greece, Hungary and Slovakia look too low
- The IMEM estimates follow the observed trend reasonably well

Emigration

- IMEM leads to slightly higher estimates, than MIMOSA but under, as expected, the observed numbers of emigrants
- Although the IMEM estimates of the total emigration look plausible, there are remarkable deviations when the countries of destination are looked upon
- For some countries the IMEM estimates are likely too high, e.g. for Belgium, Denmark, France, the Netherlands, Spain, Sweden, Switzerland and the United Kingdom
- However, for other countries the IMEM emigration estimates look too low, e.g. Bulgaria, Greece, Hungary, Poland, Romania and Slovakia
- The IMEM estimates follow the observed trend reasonably well

Net migration

- For all years there is an important difference between the IMEM estimate of the net migration and the observed migration balance
- Specified by country of origin/destination, there are various net migration estimates that are disputable
- The IMEM estimates follow the observed trend reasonably well

6.8 DK - Denmark

Figure 24. Immigration DK (x 1 000)

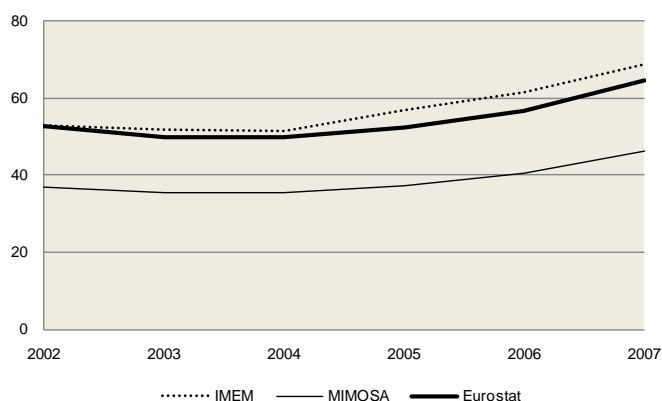


Figure 25. Emigration DK (x 1 000)

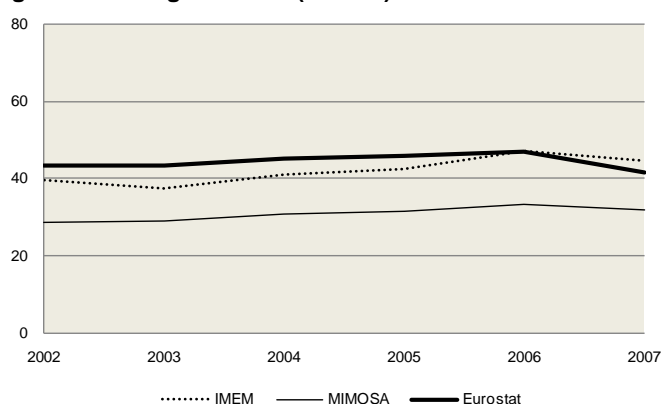


Figure 26. Net migration DK (x 1 000)

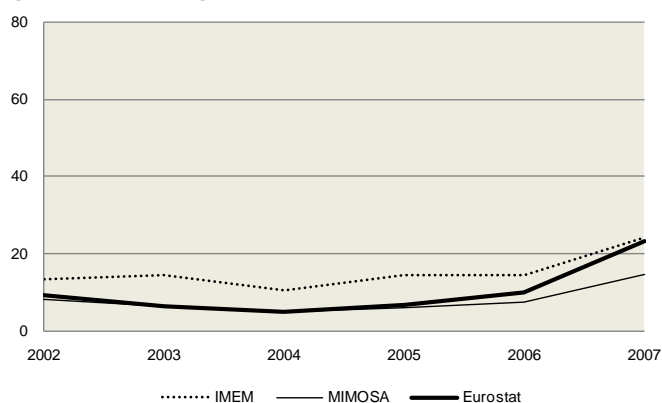


Table 18. Average migration DK, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	5.0	3.9	5.4
Emigration	4.9	3.5	5.0
Net migration	0.1	0.4	0.4
Rest			
Immigration	5.5	3.2	4.6
Emigration	2.9	2.2	3.2
Net migration	2.7	1.1	1.4
Total			
Immigration	10.6	7.1	10.0
Emigration	7.8	5.7	8.2
Net migration	2.8	1.5	1.8

Immigration

- Conform the expectation, given the broad definition of migrants in Denmark, the estimates should remain below the observed numbers
- However, the IMEM estimates are somewhat higher than the observed numbers and the MIMOSA estimates, mainly due to the immigration from Germany and the rest of the world
- On the other hand, the IMEM estimates of the immigration from Iceland may be too low
- Both estimates follow the observed trend well

Emigration

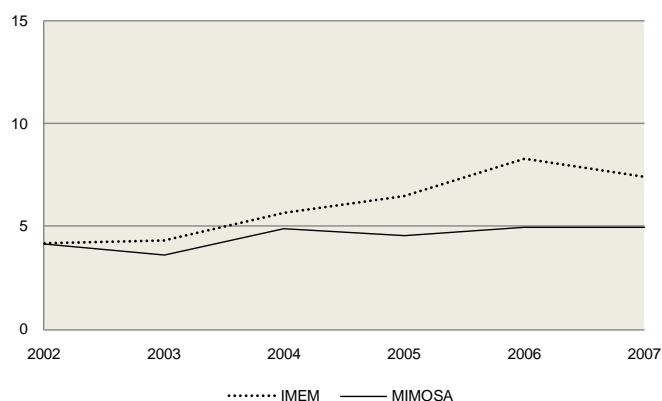
- Conform the expectation, given the broad definition of migrants in Denmark, the estimates should remain below the observed numbers
- However, for 2007 the IMEM estimate exceeds the observed number
- The IMEM estimates are somewhat too high for the emigration to Germany
- On the other hand, the IMEM estimates of the emigration to Iceland are too low
- The estimates follow the observed trend reasonably well

Net migration

- For all years, except for 2007, IMEM results in a higher net migration than observed

6.9 EE - Estonia

Figure 27. Immigration EE (x 1 000)



Immigration

- There are no observed data available
- IMEM results in somewhat higher estimates than MIMOSA

Emigration

- There are no observed data available
- Except for 2002, IMEM results in somewhat higher estimates than MIMOSA
- Within the EU, the IMEM estimates are too low for the emigration to Finland

Net migration

- Reported data of Estonia have been calculated as the difference between total population change and natural population change
- The reported data do not look plausible
- The IMEM estimates remain close to the MIMOSA estimates

Figure 28. Emigration EE (x 1 000)

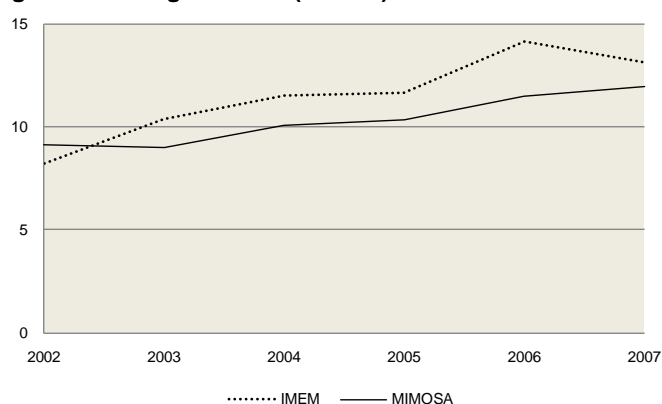


Figure 29. Net migration EE (x 1 000)

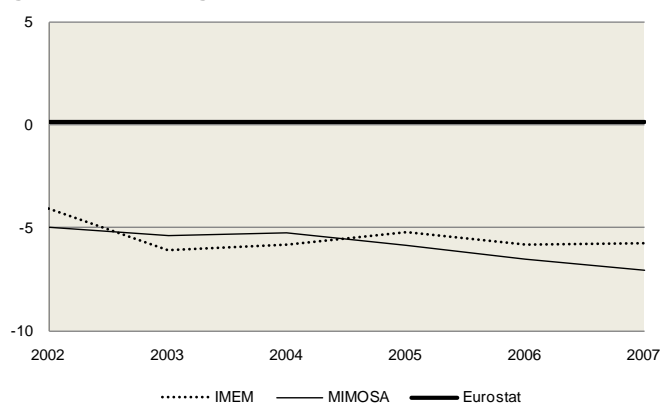


Table 19. Average migration EE, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	2.7	1.8	:
Emigration	5.4	4.6	:
Net migration	-2.7	-2.7	:
Rest			
Immigration	1.8	1.5	:
Emigration	3.1	3.1	:
Net migration	-1.4	-1.6	:
Total			
Immigration	4.5	3.4	:
Emigration	8.5	7.7	:
Net migration	-4.0	-4.3	0.0

6.10 ES - Spain

Figure 30. Immigration ES (x 1 000)

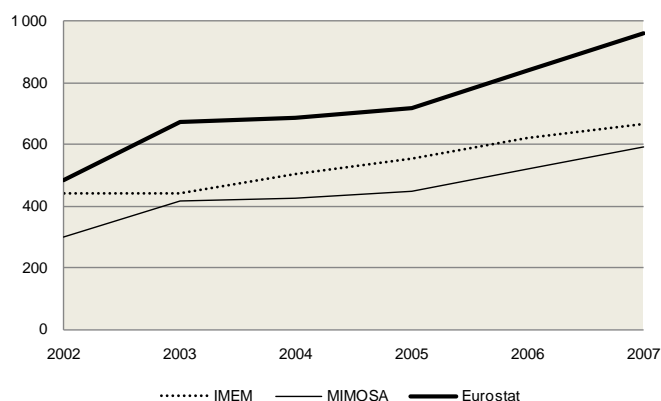


Figure 31. Emigration ES (x 1 000)

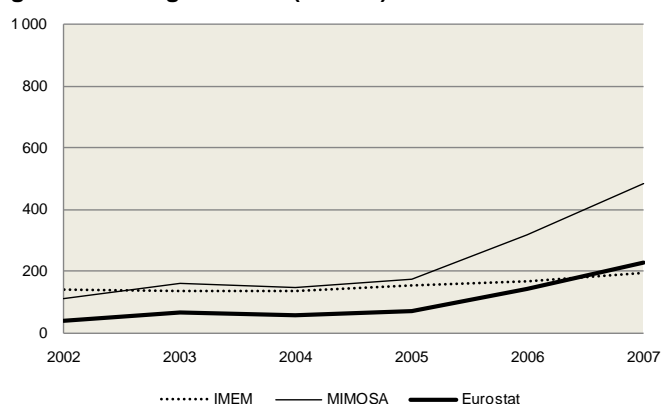


Figure 32. Net migration ES (x 1 000)

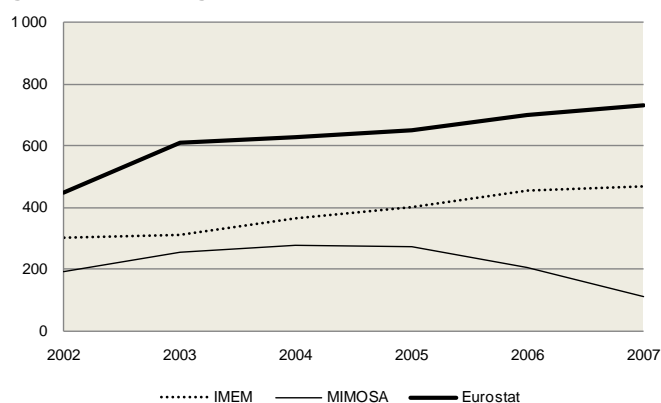


Table 20. Average migration ES, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	4.2	4.1	6.5
Emigration	2.2	2.0	1.1
Net migration	2.1	2.1	5.4
Rest			
Immigration	8.3	6.4	10.4
Emigration	1.4	3.4	1.2
Net migration	6.9	3.0	9.2
Total			
Immigration	12.5	10.4	16.9
Emigration	3.6	5.4	2.3
Net migration	8.9	5.1	14.6

Immigration

- Given the broad definition of an immigrant in Spain (no time limit, undocumented migrants may be included), it is clear that the estimated numbers are lower than the observed numbers
- The IMEM estimates are somewhat higher than the MIMOSA estimates
- Within the EU, the IMEM estimates are too low for the immigration from Bulgaria and Romania
- The IMEM estimates look too high for the immigration from Belgium, Germany, France and Italy
- A higher relative figure for the immigration from the rest of the world than in other European countries may be plausible due to several legalization programs in Spain
- The IMEM estimates follow the observed trend reasonably well

Emigration

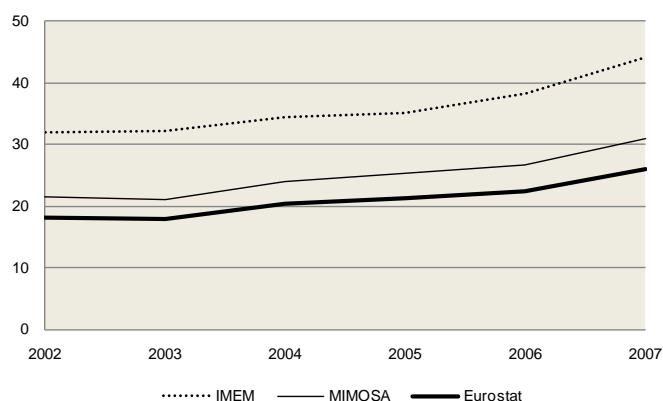
- Despite the broad definition of a migrant, Spain suffers from many emigrants who do not notify their departure
- This under coverage is somewhat more reflected in the MIMOSA estimates than in the IMEM estimates
- Within the EU, the IMEM estimates are too low for the emigration to Bulgaria and Romania
- On the other hand, they may be too high for the emigration to France, Italy and the UK
- The IMEM estimates do not follow the observed trend well

Net migration

- The resulting estimated net migration is importantly lower than the observed numbers, due to the higher estimates for emigration and lower estimates for immigration
- IMEM results in recent years in higher estimates than MIMOSA
- The IMEM estimates follow the observed trend reasonably well

6.11 FI - Finland

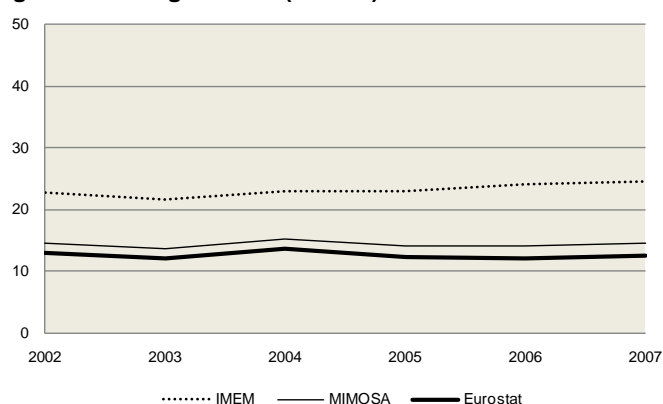
Figure 33. Immigration FI (x 1 000)



Immigration

- The MIMOSA estimates remain more close to the observed numbers than the IMEM estimates
- The IMEM estimates are much too high for the immigration from the rest of the world
- The IMEM estimates are too low for the immigration from Estonia
- The immigration mobility in Finland appears to be relatively low
- The IMEM estimates follow the observed trend well

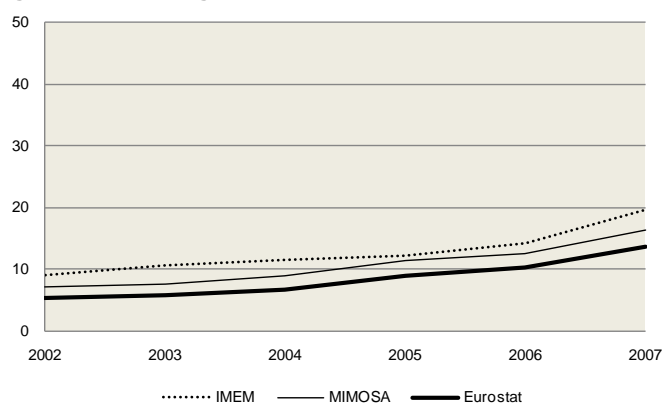
Figure 34. Emigration FI (x 1 000)



Emigration

- The MIMOSA estimates remain more close to the observed numbers than the IMEM estimates
- Within the EU, the IMEM estimates are too high for the emigration to Sweden
- The IMEM estimates are also too high for the emigration to the rest of the world
- The emigration mobility in Finland appears to be relatively low
- The IMEM estimates follow the observed trend reasonably well

Figure 35. Net migration FI (x 1 000)



Net migration

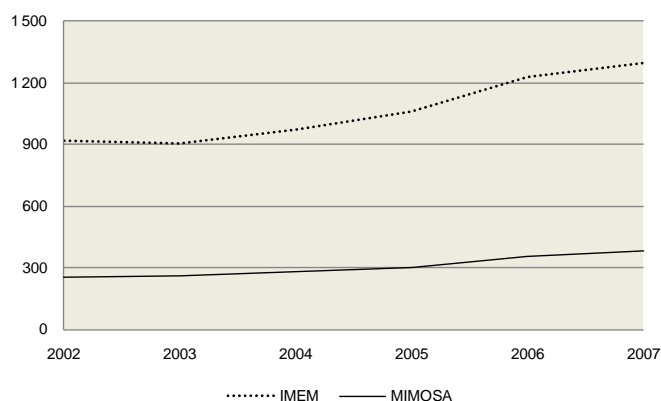
- All estimates remain rather close to the observed net migration of Finland, although the IMEM estimates are continuously somewhat higher than the observed surpluses
- The IMEM estimates follow the observed trend well

Table 21. Average migration FI, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	3.0	2.7	2.3
Emigration	3.4	2.1	1.8
Net migration	-0.4	0.6	0.4
Rest			
Immigration	3.9	2.1	1.7
Emigration	1.0	0.6	0.6
Net migration	2.8	1.4	1.2
Total			
Immigration	6.9	4.7	4.0
Emigration	4.4	2.7	2.4
Net migration	2.5	2.0	1.6

6.12 FR - France

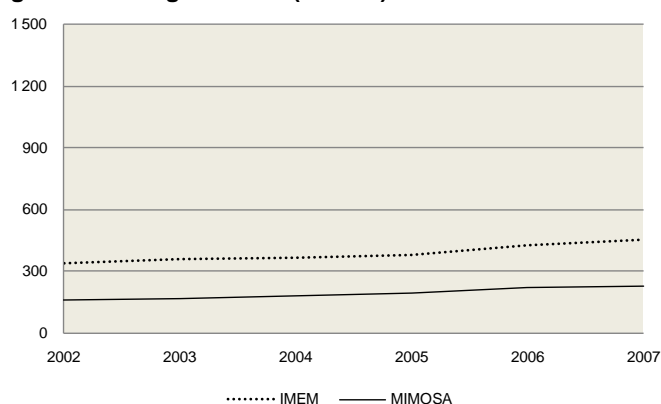
Figure 36. Immigration FR (x 1 000)



Immigration

- There are no observed comprehensive data available
- The IMEM estimates are importantly higher than the MIMOSA estimates
- The very high IMEM estimates of the immigration from Italy and from the rest of the world are not credible
- Other relevant differences between IMEM and MIMOSA can be found in the migration flows from Belgium, Germany, the Netherlands, Portugal, Spain, Sweden and the UK

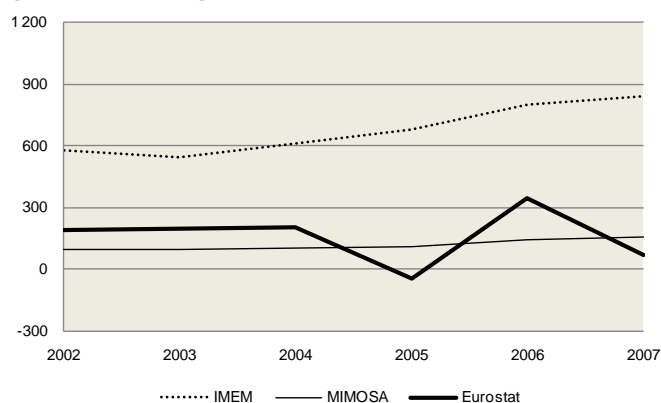
Figure 37. Emigration FR (x 1 000)



Emigration

- There are no observed data available
- The IMEM estimates are somewhat higher than the MIMOSA estimates
- Here, the differences between IMEM and MIMOSA are especially due to the flow to rest of the world
- Other flows that contribute to these differences are to Belgium, Germany, Italy, Spain, Switzerland and the UK
- On the other hand, the IMEM estimates for the emigration to Luxembourg are too low

Figure 38. Net migration FR (x 1 000)



Net migration

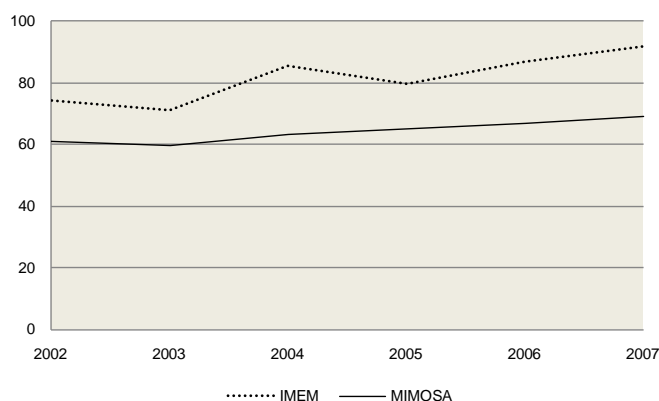
- Reported data of France have been calculated as the difference between total population change and natural population change
- The dip in the reported data in 2005 followed by the jump in 2006 may be artificial
- On average, the observed net migration is importantly lower than the IMEM estimates and somewhat higher than the MIMOSA estimates

Table 22. Average migration FR, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	6.1	1.8	:
Emigration	3.1	1.5	:
Net migration	3.0	0.2	:
Rest			
Immigration	11.3	3.3	:
Emigration	3.3	1.6	:
Net migration	8.1	1.7	:
Total			
Immigration	17.4	5.0	:
Emigration	6.3	3.1	:
Net migration	11.1	1.9	2.6

6.13 GR - Greece

Figure 39. Immigration GR (x 1 000)



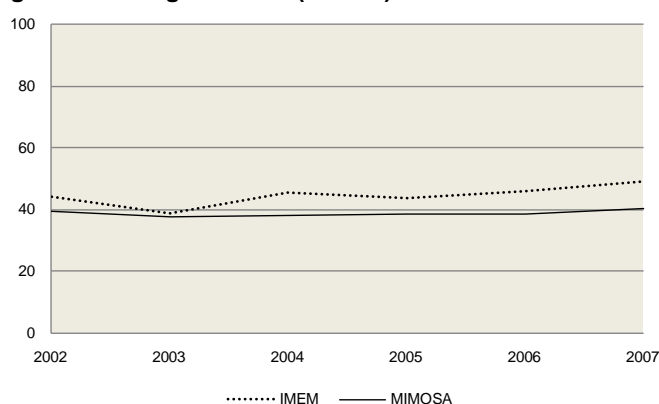
Immigration

- There are no observed data available
- IMEM results in higher estimates than MIMOSA
- The differences between IMEM and MIMOSA are mainly caused by the migration flows from the rest of the world
- The IMEM estimates for the immigration from Cyprus and Germany may be too low and from Italy too high

Emigration

- There are no observed data available
- IMEM results in somewhat higher estimates than MIMOSA
- The differences between IMEM and MIMOSA are mainly caused by the migration flows to the rest of the world
- The IMEM estimates for the emigration to Cyprus and Germany may be too low and to Italy too high

Figure 40. Emigration GR (x 1 000)



Net migration

- Reported data of Greece have been calculated as the difference between total population change and natural population change
- The IMEM estimates remain close to the observed net migration
- The MIMOSA estimates are somewhat lower than observed
- The estimates follow the observed trend reasonably well

Figure 41. Net migration GR (x 1 000)

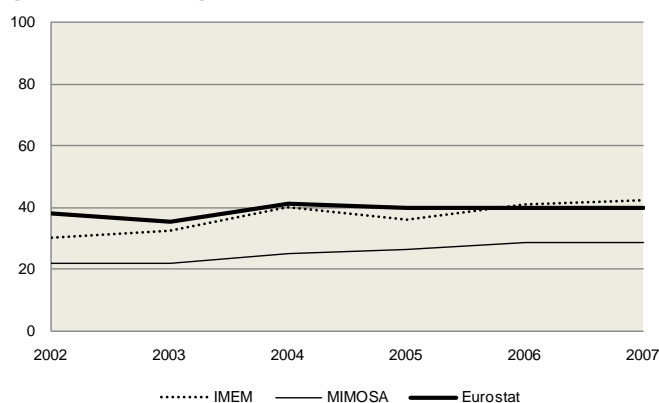


Table 23. Average migration GR, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	3.0	2.7	:
Emigration	2.3	2.2	:
Net migration	0.7	0.5	:
Rest			
Immigration	4.4	3.1	:
Emigration	1.7	1.3	:
Net migration	2.7	1.8	:
Total			
Immigration	7.3	5.8	:
Emigration	4.0	3.5	:
Net migration	3.3	2.3	3.5

6.14 HU - Hungary

Figure 42. Immigration HU (x 1 000)

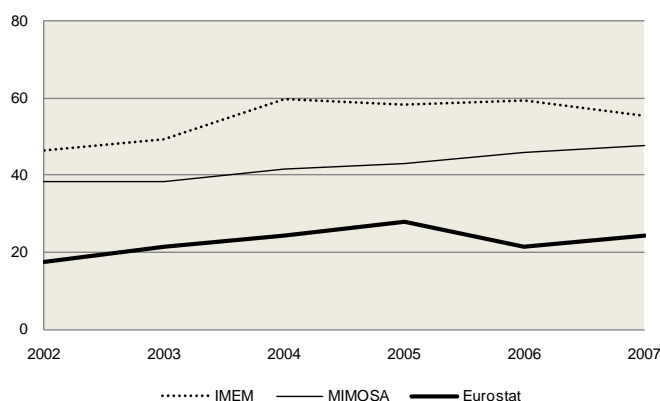


Figure 43. Emigration HU (x 1 000)

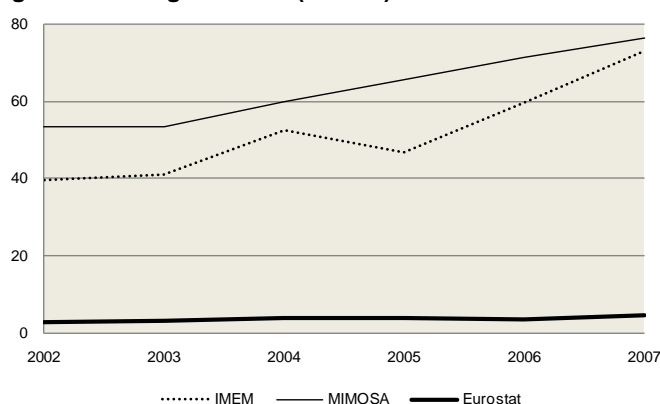


Figure 44. Net migration HU (x 1 000)

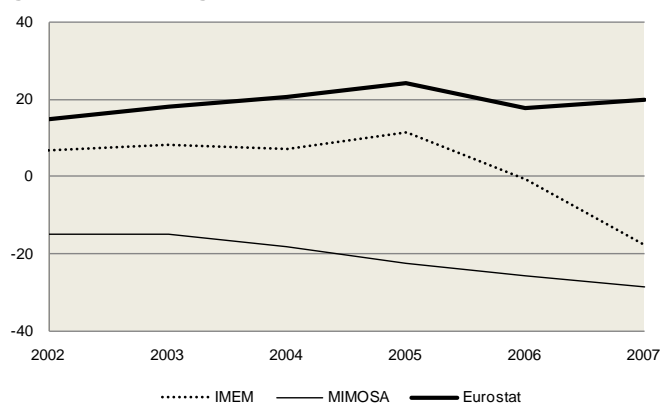


Table 24. Average migration HU, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	3.4	2.4	:
Emigration	4.1	3.3	:
Net migration	-0.7	-0.9	:
Rest			
Immigration	2.0	1.9	:
Emigration	1.0	3.0	:
Net migration	1.0	-1.1	:
Total			
Immigration	5.4	4.2	2.3
Emigration	5.2	6.3	0.4
Net migration	0.3	-2.1	1.9

Immigration

- The comparability with the observed data is questionable due to the diverging (narrow) definition of migrants in Hungary
- IMEM results in somewhat higher estimates than MIMOSA
- Within the EU the IMEM estimates for the immigration from Italy and the UK are too high
- On the other hand, the IMEM estimates of the immigration from Germany are too low
- The IMEM estimates for the immigration from Romania are much higher than the similar MIMOSA estimates

Emigration

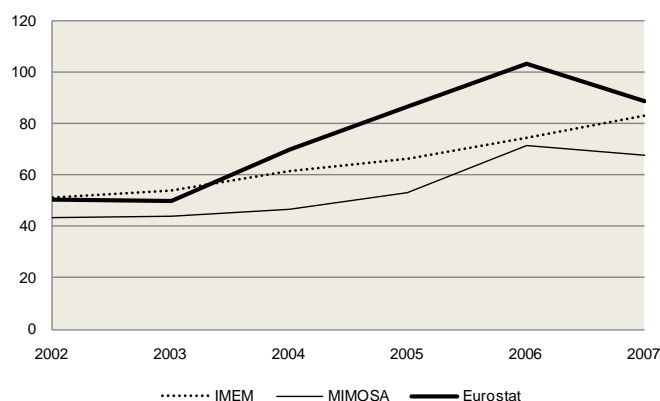
- The comparability with the observed data is questionable due to the diverging (narrow) definition of migrants in Hungary
- IMEM results in somewhat lower estimates than MIMOSA
- The differences between IMEM and MIMOSA are mainly caused by the emigration to the rest of the world
- Within the EU the IMEM estimates for the emigration to Italy and the UK are too high and to Germany too low
-

Net migration

- All estimates remain below the reported net migration
- The migration balance is positive for the reported data and, except for the most recent years, the IMEM estimates
- The MIMOSA estimates result in continuous population losses through international migration
- The IMEM estimates follow the observed trend reasonably well, except for the most recent years

6.15 IE - Ireland

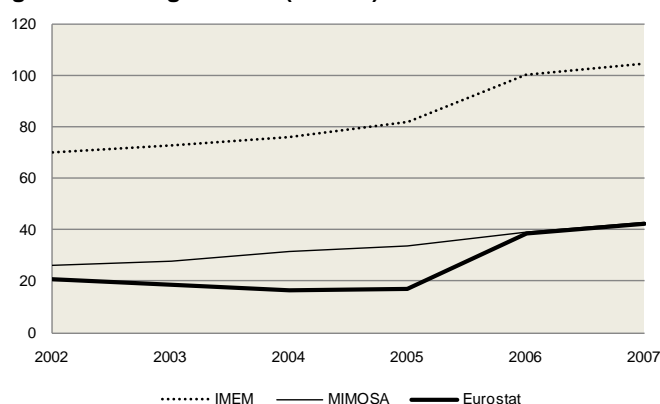
Figure 45. Immigration IE (x 1 000)



Immigration

- MIMOSA results in estimates which are lower than the observed numbers
- The IMEM estimates are somewhat higher than the MIMOSA estimates
- The IMEM estimates for the immigration from the UK are too high and from the rest of the world probably too high
- The IMEM estimates for the immigration from Poland look too low
- MIMOSA follows the observed trend better than IMEM

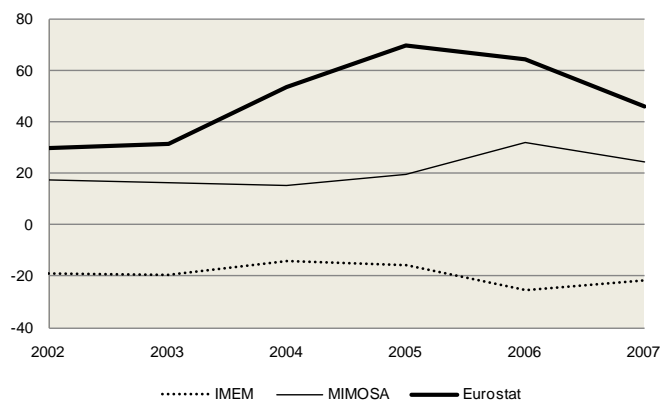
Figure 46. Emigration IE (x 1 000)



Emigration

- The IMEM estimates differ strongly from the MIMOSA estimates and from the observed numbers of emigrants
- These differences are mainly caused by the emigration to the UK and to the rest of the world
- The IMEM estimates for the emigration to the UK are not credible whereas the estimates for the emigration to the rest of the world are probably too high
- All estimates follow the observed trend reasonably well

Figure 47. Net migration IE (x 1 000)



Net migration

- The reported net migration as well as the net migration resulting from the MIMOSA estimates are positive throughout the years
- The opposite is true for the net migration that results from the IMEM estimates
- The net migration calculated as the difference between total change and natural change results in significant positive numbers too
- Hence, especially the IMEM estimates of the emigration need to be reconsidered

Table 25. Average migration IE, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	8.7	9.8	:
Emigration	12.1	4.6	:
Net migration	-3.3	5.2	:
Rest			
Immigration	7.1	3.4	:
Emigration	8.3	3.5	:
Net migration	-1.3	-0.1	:
Total			
Immigration	15.8	13.2	18.1
Emigration	20.4	8.1	6.2
Net migration	-4.6	5.1	11.9

6.16 IS - Iceland

Figure 48. Immigration IS (x 1 000)

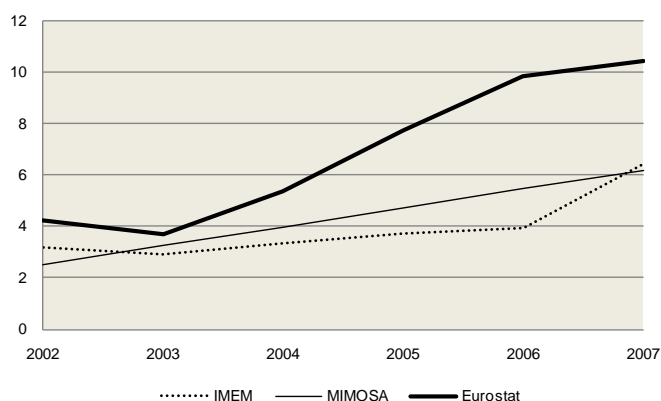


Figure 49. Emigration IS (x 1 000)

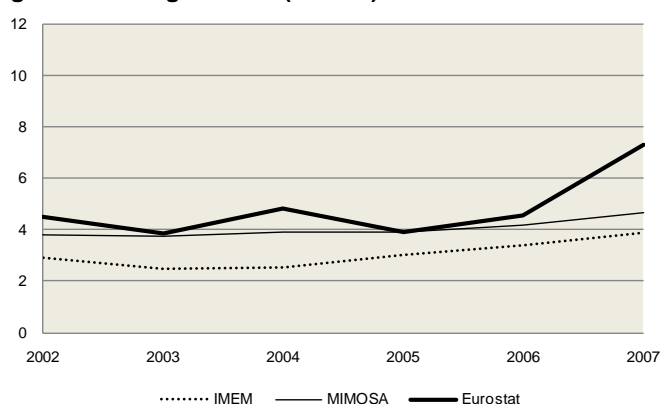


Figure 50. Net migration IS (x 1 000)

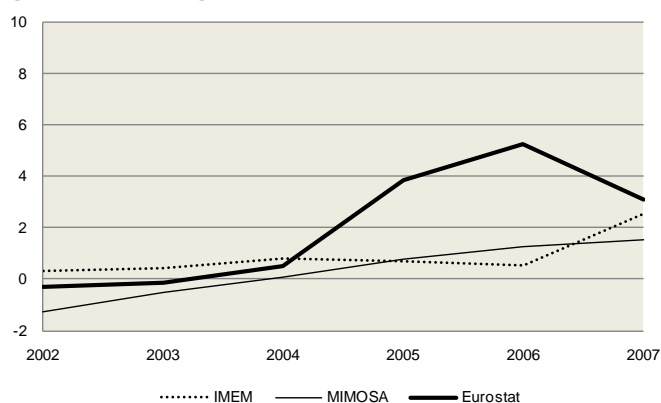


Table 26. Average migration IS, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	9.2	11.9	20.4
Emigration	7.9	11.1	16.1
Net migration	1.4	0.9	4.3
Rest			
Immigration	4.0	2.7	4.2
Emigration	2.4	2.5	3.8
Net migration	1.6	0.2	0.4
Total			
Immigration	13.2	14.6	24.6
Emigration	10.2	13.6	19.9
Net migration	3.0	1.0	4.7

Immigration

- The reported data are relatively high, especially for the recent years
- This is mainly due to the broad definition of a migrant in Iceland
- Generally, the IMEM estimates remain below the MIMOSA estimates and the reported numbers
- This is especially due to the too low estimates of the immigration from Denmark and Poland

Emigration

- The reported data are relatively high
- This is mainly due to the broad definition of a migrant in Iceland
- The IMEM estimates remain below the MIMOSA estimates and the reported numbers
- The IMEM estimates of the emigration to Denmark look underestimated

Net migration

- The migration balance of the IMEM estimates is somewhat above zero
- For MIMOSA net migration goes from negative to positive
- In the recent years the observed net migration is more positive than the estimates

6.17 IT - Italy

Figure 51. Immigration IT (x 1 000)

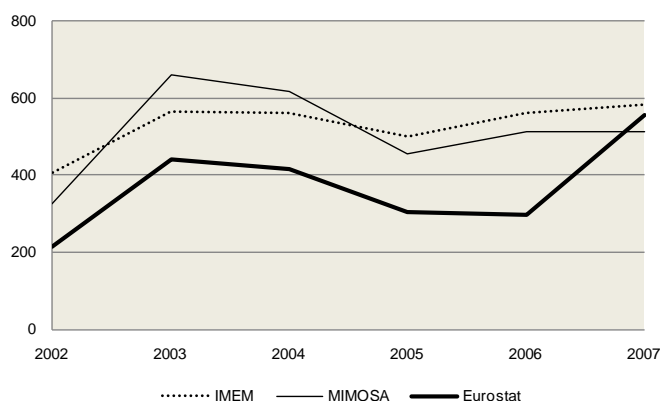


Figure 52. Emigration IT (x 1 000)

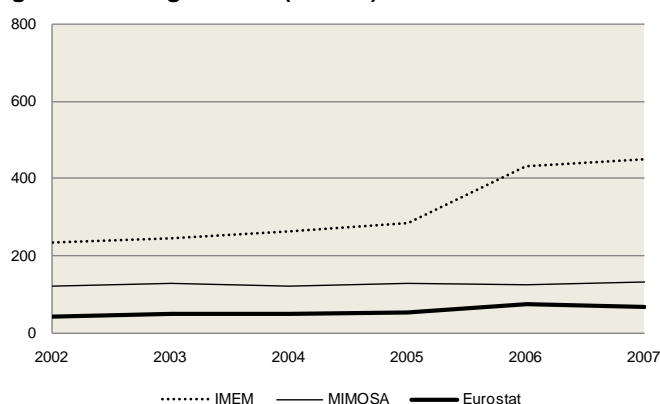


Figure 53. Net migration IT (x 1 000)

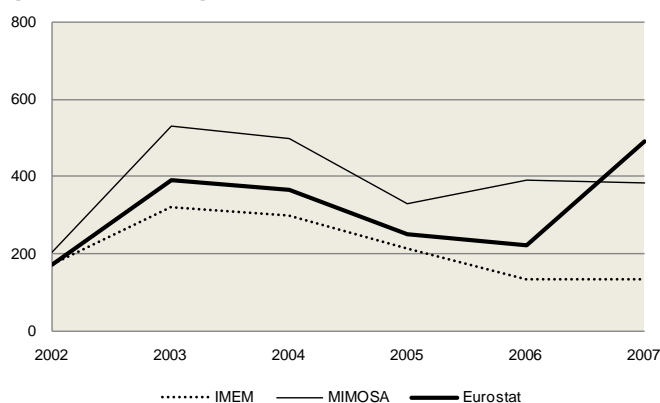


Table 27. Average migration IT, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	2.7	2.7	1.7
Emigration	4.4	1.4	0.5
Net migration	-1.7	1.3	1.2
Rest			
Immigration	6.4	6.1	4.2
Emigration	1.1	0.8	0.3
Net migration	5.3	5.3	3.8
Total			
Immigration	9.1	8.8	5.9
Emigration	5.4	2.2	0.8
Net migration	3.6	6.7	5.1

Immigration

- The IMEM and MIMOSA estimates exceed, apart from 2007, the reported numbers, despite the broad definition of an immigrant in Italy
- For some years the IMEM estimates are higher for other years the MIMOSA estimates
- Within the EU the IMEM estimates are undoubtedly too low for the immigration from Romania
- On the other hand, they look too high for the immigration from Austria, Belgium, France, Greece, Hungary, the Netherlands, Spain and the United Kingdom
- Apart from 2007, MIMOSA follows the observed trend better than IMEM

Emigration

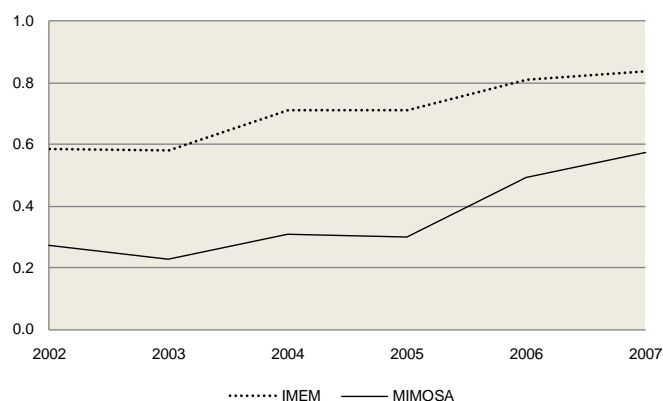
- IMEM results in importantly higher estimates than MIMOSA
- MIMOSA is more close to the reported numbers
- The IMEM estimates for the emigration to France are not credible
- Also the IMEM estimates for the emigration to Austria, Belgium, Germany, Greece, Hungary, Portugal, Romania, Spain, Switzerland and the UK look overestimated
- MIMOSA follows the rather stable observed trend better than IMEM

Net migration

- Net migration reflects the immigration pattern, especially for the observed numbers and the MIMOSA estimates
- IMEM provides the lowest surpluses, MIMOSA, except for 2007, the highest

6.18 LI - Liechtenstein

Figure 54. Immigration LI (x 1 000)



Immigration

- There are no observed data available
- The IMEM estimates are somewhat higher than the MIMOSA estimates

Emigration

- There are no observed data available
- The IMEM estimates are somewhat higher than the MIMOSA estimates

Net migration

- Reported data of Liechtenstein have been calculated as the difference between total population change and natural population change
- Apart from 2006 and 2007, the estimates are somewhat lower than the reported numbers, even negative for MIMOSA

Figure 55. Emigration LI (x 1 000)

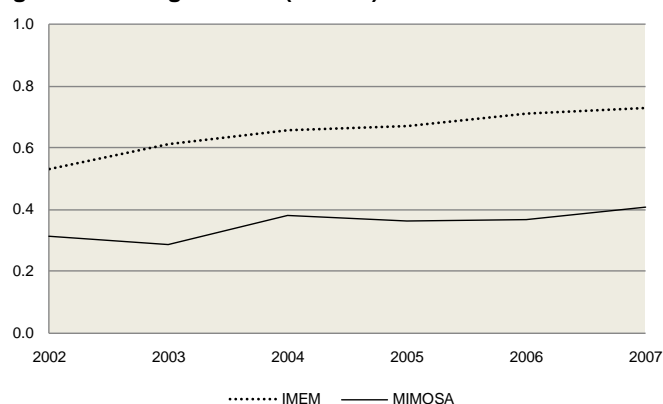


Figure 56. Net migration LI (x 1 000)

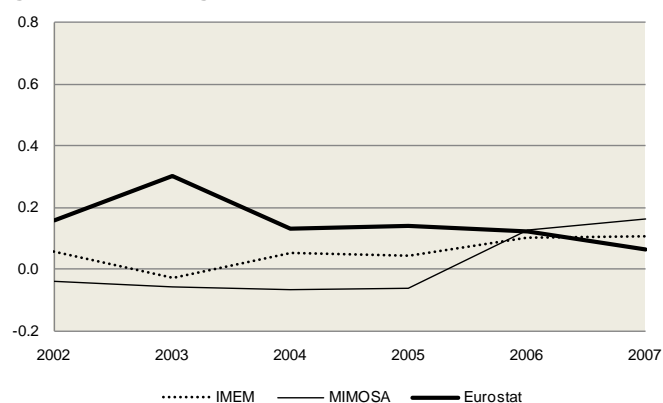


Table 28. Average migration LI, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	17.2	8.8	:
Emigration	14.5	7.2	:
Net migration	2.6	1.6	:
Rest			
Immigration	3.2	1.7	:
Emigration	4.3	3.0	:
Net migration	-1.1	-1.3	:
Total			
Immigration	20.4	10.5	:
Emigration	18.9	10.2	:
Net migration	1.6	0.3	4.4

6.19 LT - Lithuania

Figure 57. Immigration LT (x 1 000)

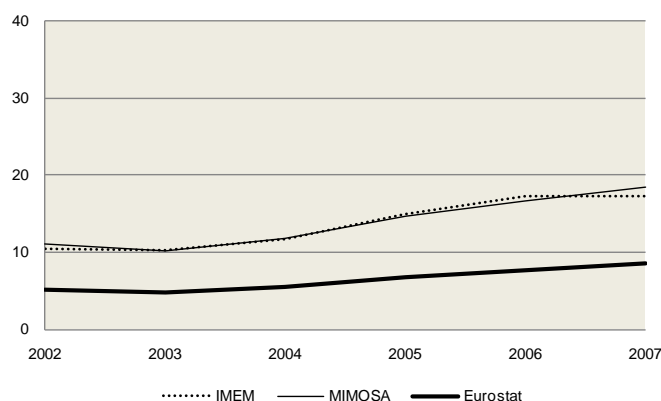


Figure 58. Emigration LT (x 1 000)

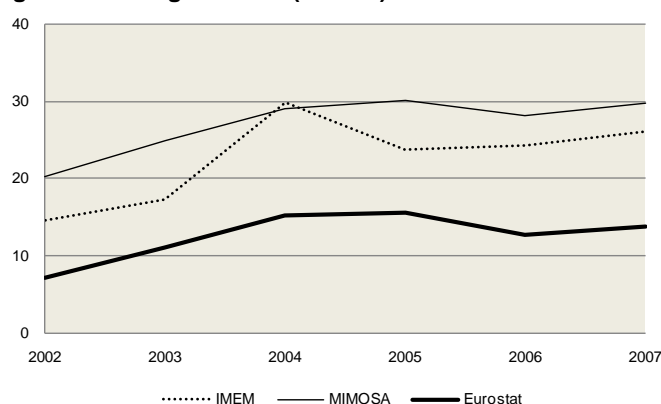


Figure 59. Net migration LT (x 1 000)

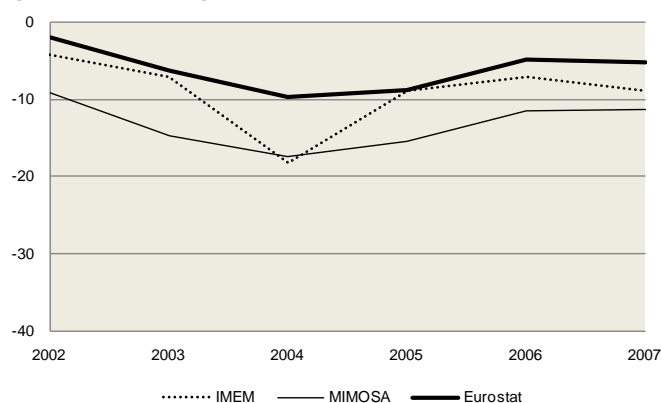


Table 29. Average migration LT, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	2.1	1.9	0.9
Emigration	4.6	4.7	2.2
Net migration	-2.5	-2.8	-1.3
Rest			
Immigration	1.9	2.1	1.0
Emigration	2.0	3.2	1.5
Net migration	-0.1	-1.1	-0.5
Total			
Immigration	4.0	4.0	1.9
Emigration	6.6	7.9	3.7
Net migration	-2.6	-3.9	-1.8

Immigration

- All estimates for the immigration of Lithuania are higher than the reported numbers
- IMEM practically equals MIMOSA
- The estimates follow the observed trend reasonably well

Emigration

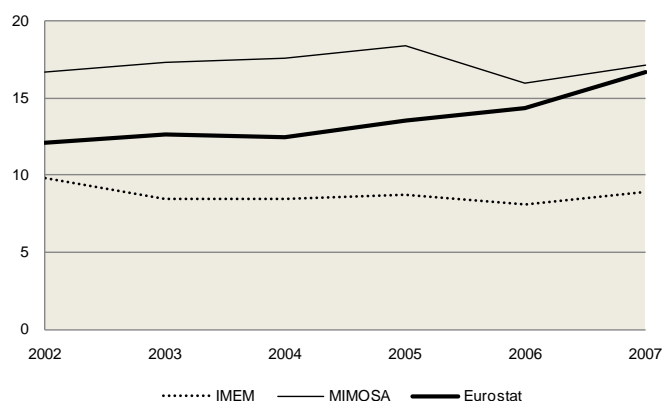
- All estimates for the emigration of Lithuania are higher than the reported numbers
- IMEM results in somewhat lower estimates than MIMOSA, especially due to the emigration to the rest of the world
- The IMEM peak in 2004 is due to the probably faulty estimate of the emigration to the UK
- The MIMOSA estimates follow the observed trend better than the IMEM estimates

Net migration

- In all cases a negative net migration is obtained
- The IMEM and MIMOSA estimates remain below the reported net migration
- The IMEM estimates remain more close to the observed surpluses than the MIMOSA estimates

6.20 LU - Luxembourg

Figure 60. Immigration LU (x 1 000)



Immigration

- MIMOSA provides higher numbers than observed, IMEM lower
- The main cause for IMEM being lowest is the immigration from Belgium, France and Portugal
- IMEM does not follow the observed trend

Emigration

- MIMOSA and for more recent years IMEM are most close to the observed numbers of emigrants
- The IMEM estimates are generally lowest, mainly because of the emigration to Belgium and Portugal
- IMEM follows the observed trend reasonably well

Net migration

- Starting in 2003, net migration is negative for the IMEM estimates
- The MIMOSA estimates and the observed numbers result in positive net migration, which looks more plausible
- IMEM does not follow the observed trend

Figure 61. Emigration LU (x 1 000)

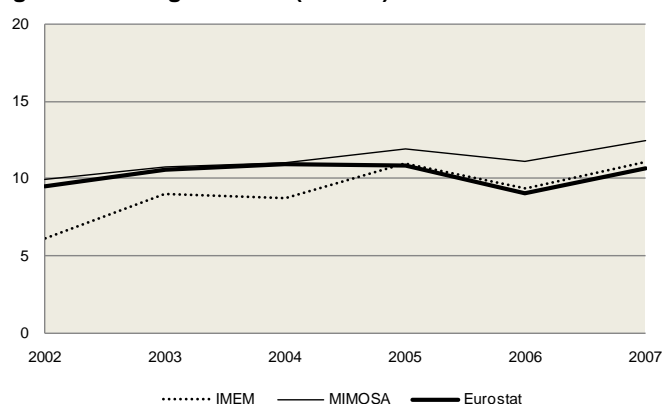


Figure 62. Net migration LU (x 1 000)

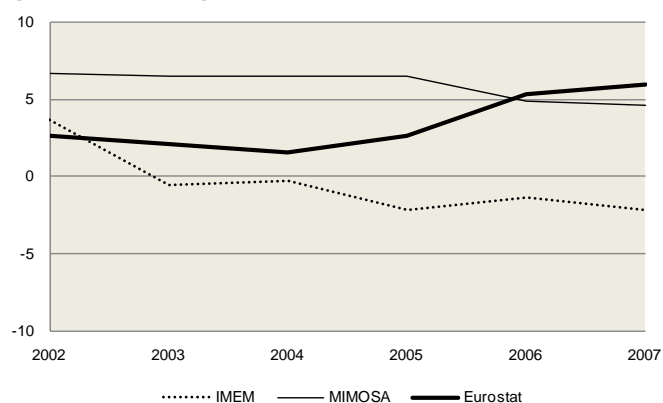
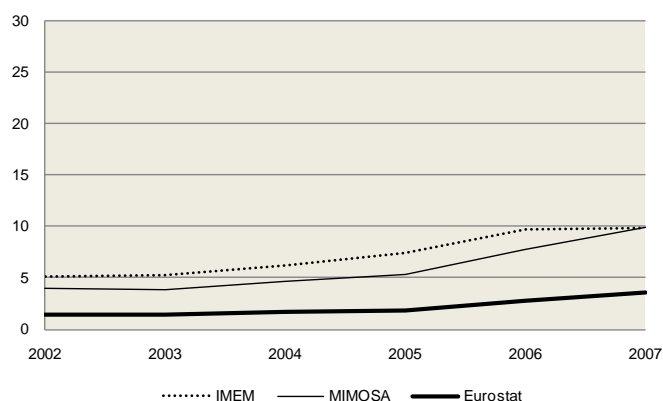


Table 30. Average migration LU, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	16.8	35.5	28.7
Emigration	16.1	22.3	20.6
Net migration	0.7	13.2	8.1
Rest			
Immigration	2.1	1.7	1.4
Emigration	3.8	2.0	1.8
Net migration	-1.7	-0.3	-0.5
Total			
Immigration	18.9	37.2	30.1
Emigration	19.9	24.2	22.5
Net migration	-1.0	12.9	7.6

6.21 LV - Latvia

Figure 63. Immigration LV (x 1 000)



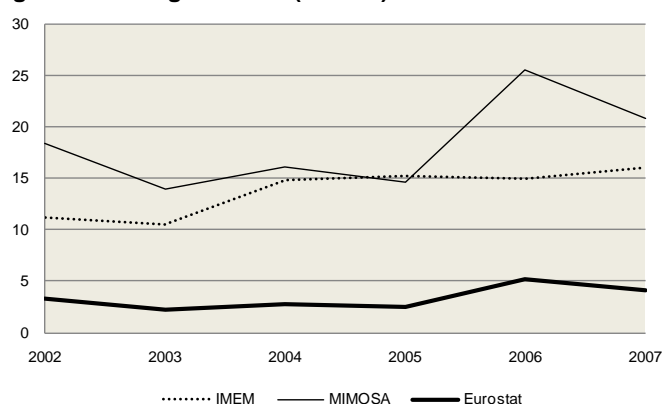
Immigration

- The IMEM and MIMOSA estimates for the immigration of Latvia are higher than the observed numbers
- IMEM provides the highest estimates
- The estimates follow the observed trend reasonably well

Emigration

- The IMEM and MIMOSA estimates for the emigration of Latvia are significantly higher than the observed numbers
- IMEM provides, apart from the year 2006, the highest numbers, mainly due to the emigration to the rest of the world
- The MIMOSA estimates follow the observed trend better than the IMEM estimates

Figure 64. Emigration LV (x 1 000)



Net migration

- The observed numbers result in modest negative net migration
- Net migration is more negative according to the estimates
- The IMEM estimates are in between the observed surpluses and the MIMOSA estimates

Figure 65. Net migration LV (x 1 000)

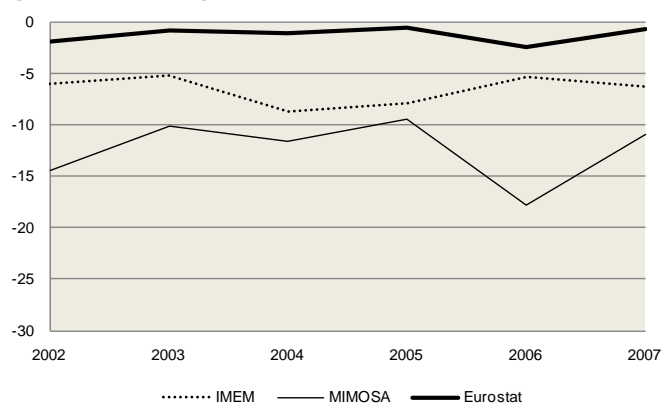
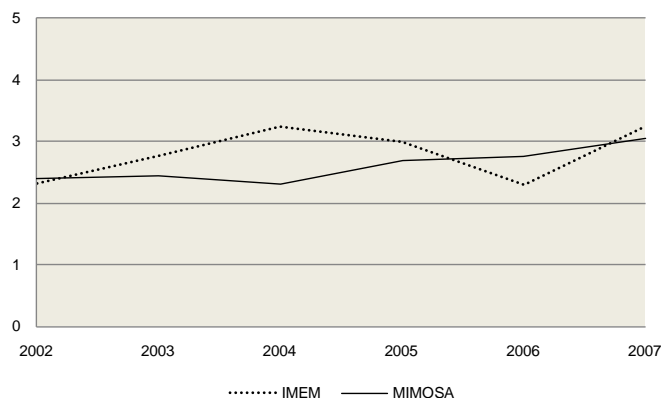


Table 31. Average migration LV, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	2.0	1.5	0.5
Emigration	3.1	3.0	0.6
Net migration	-1.2	-1.5	0.0
Rest			
Immigration	1.2	1.1	0.4
Emigration	2.8	4.9	0.9
Net migration	-1.7	-3.8	-0.5
Total			
Immigration	3.2	2.6	0.9
Emigration	6.0	7.9	1.5
Net migration	-2.8	-5.4	-0.5

6.22 MT - Malta

Figure 66. Immigration MT (x 1 000)



Immigration

- There are no observed data available
- The estimates do not differ much

Emigration

- There are no observed data available
- The IMEM estimates are somewhat lower than the MIMOSA estimates, mainly due to the emigration to the rest of the world

Net migration

- Reported data of Malta have been calculated as the difference between total population change and natural population change
- Contrary to most estimates, the reported data yield positive net migration numbers

Figure 67. Emigration MT (x 1 000)

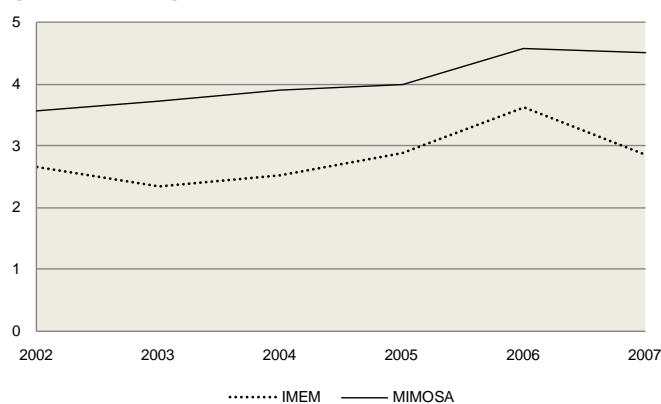


Figure 68. Net migration MT (x 1 000)

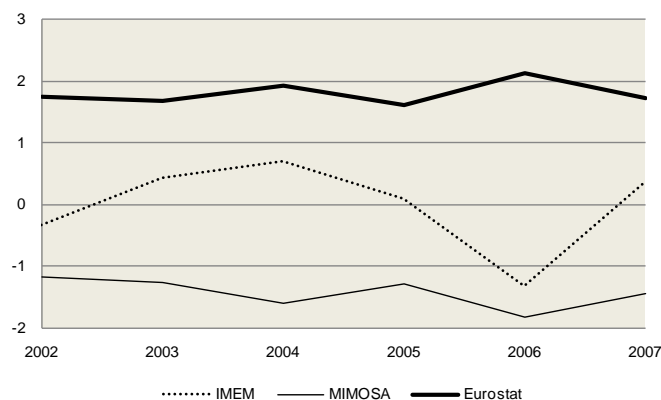


Table 32. Average migration MT, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	5.3	3.5	:
Emigration	5.5	3.6	:
Net migration	-0.2	-0.1	:
Rest			
Immigration	1.7	3.0	:
Emigration	1.5	6.4	:
Net migration	0.2	-3.4	:
Total			
Immigration	7.0	6.5	:
Emigration	7.0	10.0	:
Net migration	0.0	-3.6	4.5

6.23 NL - Netherlands

Figure 69. Immigration NL (x 1 000)

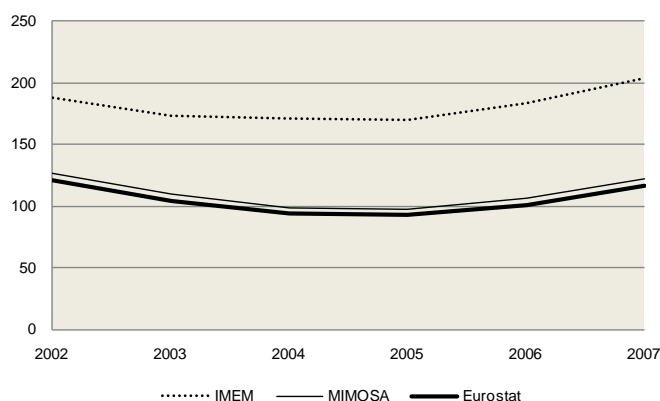


Figure 70. Emigration NL (x 1 000)

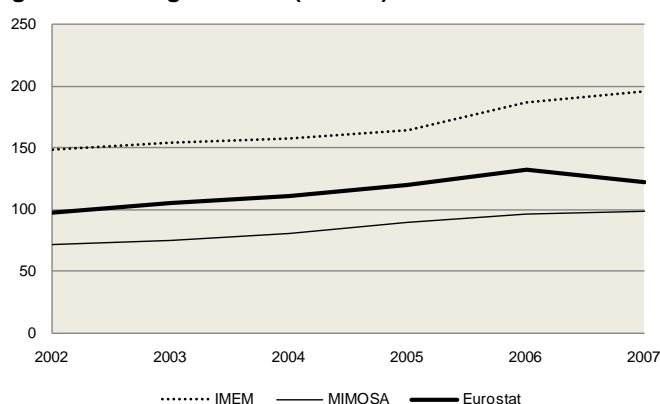


Figure 71. Net migration NL (x 1 000)

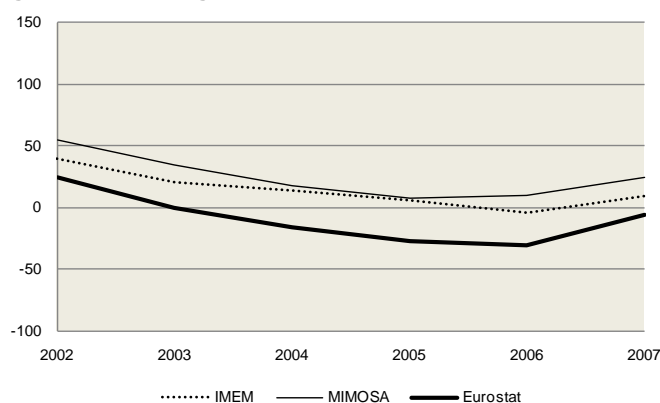


Table 33. Average migration NL, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	3.6	3.0	2.8
Emigration	5.2	3.1	4.1
Net migration	-1.6	-0.1	-1.3
Rest			
Immigration	7.6	3.8	3.6
Emigration	5.1	2.2	2.9
Net migration	2.5	1.6	0.7
Total			
Immigration	11.1	6.8	6.5
Emigration	10.3	5.2	7.0
Net migration	0.9	1.5	-0.6

Immigration

- The IMEM estimates are importantly higher than the MIMOSA estimates and the observed numbers
- For countries, such as the Netherlands and Sweden, the reason for the generally higher IMEM estimates is because of the expert-based priors, which say that these types of population registers are undercounting both immigration and emigration.
- The IMEM estimate for the immigration from the rest of the world is much too high
- Within the EU the IMEM estimates for the immigration from Belgium, Germany and the UK are too high

Emigration

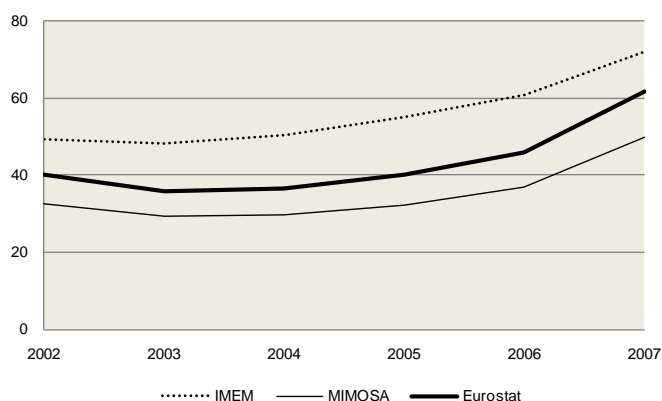
- The MIMOSA estimates look too low
- The IMEM estimates are much higher than the observed numbers, mainly due to the emigration to Belgium, France, Germany, Italy, the UK and the rest of the world
- The observed decline in 2007 is not reflected in the estimates

Net migration

- Contrary to the observed numbers, MIMOSA continuously shows a positive migration balance, due to too low emigration estimates
- IMEM is closer to MIMOSA than to the reported data and provides a negative migration balance in 2006 only
- MIMOSA follows the observed trend better than IMEM

6.24 NO - Norway

Figure 72. Immigration NO (x 1 000)



Immigration

- IMEM provides the highest numbers of immigrants, mainly due to the too high estimate of the immigration from the rest of the world
- On the other hand, the IMEM estimates are too low for the immigration from Poland

Emigration

- MIMOSA hardly differs from the observed numbers
- The IMEM estimates are somewhat too high for the emigration to the UK and much too high for the emigration to the rest of the world

Net migration

- IMEM hardly differs from the reported surpluses
- The MIMOSA estimates of the net migration remain below the reported numbers

Figure 73. Emigration NO (x 1 000)

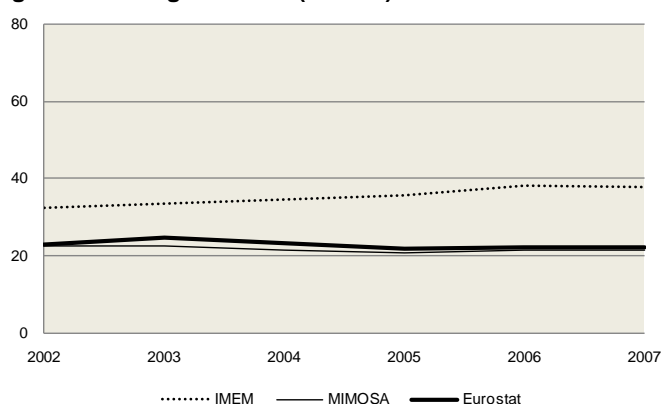


Figure 74. Net migration NO (x 1 000)

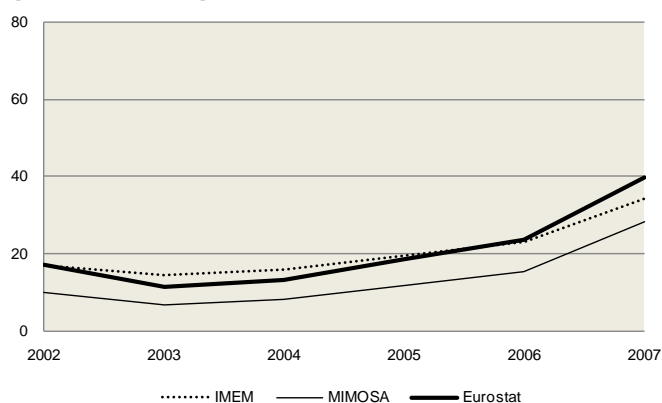
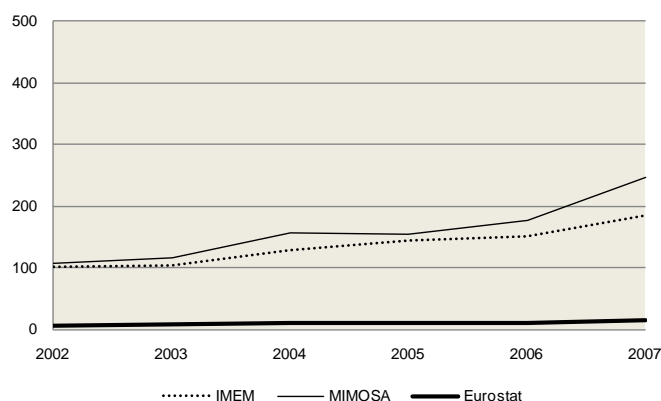


Table 34. Average migration NO, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	4.9	4.1	5.0
Emigration	4.3	3.5	3.6
Net migration	0.6	0.6	1.4
Rest			
Immigration	7.2	3.5	4.4
Emigration	3.3	1.2	1.3
Net migration	3.9	2.3	3.1
Total			
Immigration	12.1	7.6	9.4
Emigration	7.7	4.7	4.9
Net migration	4.5	2.9	4.5

6.25 PL - Poland

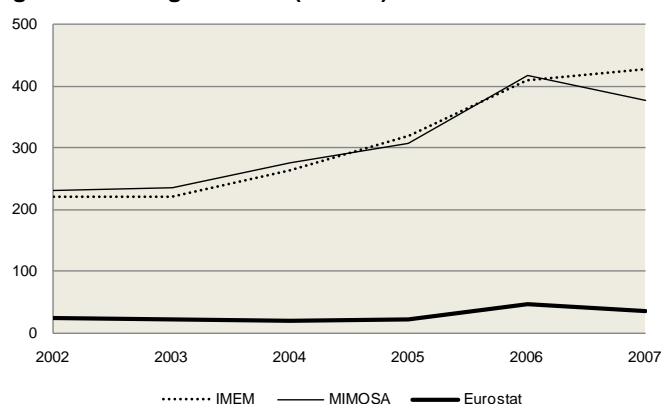
Figure 75. Immigration PL (x 1 000)



Immigration

- The observed numbers are very low, mainly because of the narrow definition of a migrant in Poland (only 'permanent' migrants are registered)
- The IMEM estimates are somewhat lower than the MIMOSA estimates, especially due to the too low estimate of the immigration from Germany
- On the other hand, the IMEM estimates of the immigration from the UK are somewhat too high

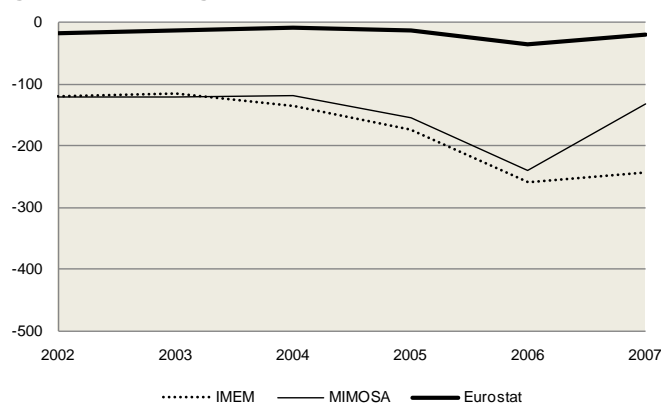
Figure 76. Emigration PL (x 1 000)



Emigration

- The observed numbers are very low, mainly because of the narrow definition of a migrant in Poland (only 'permanent' migrants are registered)
- The IMEM estimates practically equal the MIMOSA estimates
- Within the EU the IMEM estimates of the emigration to Sweden and the UK are too high
- On the other hand, the IMEM estimates of the emigration to Austria, Iceland, Ireland and Norway are too low

Figure 77. Net migration PL (x 1 000)



Net migration

- IMEM hardly differs from MIMOSA
- In 2007, the IMEM estimates are somewhat lower than the MIMOSA estimates

Table 35. Average migration PL, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	2.1	2.7	0.2
Emigration	6.5	6.0	0.6
Net migration	-4.4	-3.3	-0.5
Rest			
Immigration	1.5	1.4	0.1
Emigration	1.7	2.0	0.1
Net migration	-0.2	-0.6	0.0
Total			
Immigration	3.5	4.2	0.3
Emigration	8.1	8.0	0.7
Net migration	-4.6	-3.9	-0.5

6.26 PT - Portugal

Figure 78. Immigration PT (x 1 000)

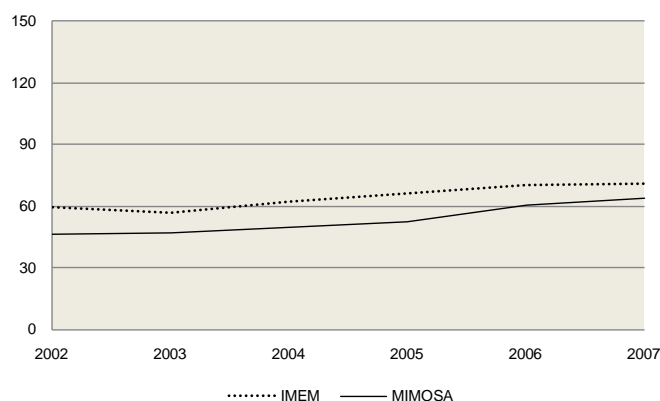


Figure 79. Emigration PT (x 1 000)

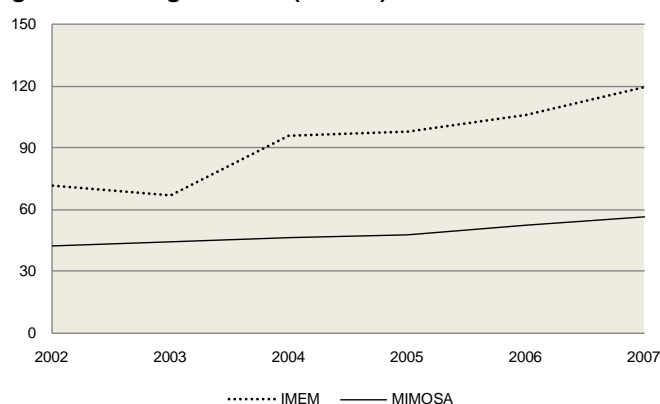


Figure 80. Net migration PT (x 1 000)

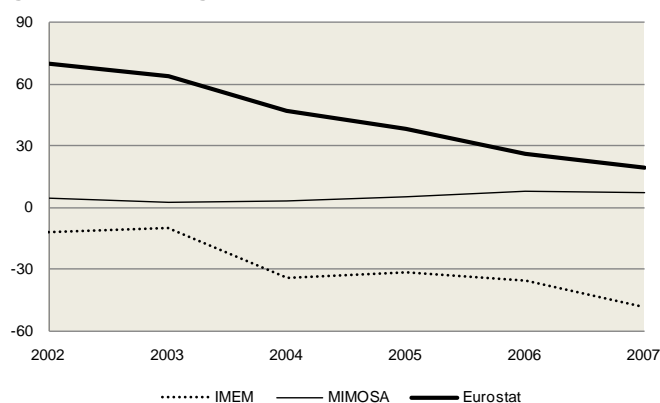


Table 36. Average migration PT, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	2.8	2.1	:
Emigration	7.7	3.0	:
Net migration	-4.9	-0.9	:
Rest			
Immigration	3.3	3.0	:
Emigration	1.1	1.6	:
Net migration	2.2	1.4	:
Total			
Immigration	6.1	5.1	:
Emigration	8.8	4.6	:
Net migration	-2.7	0.5	4.2

Immigration

- In Portugal only non-nationals are registered as immigrants
- The IMEM estimates are somewhat higher than the MIMOSA estimates
- Within the EU the IMEM estimates of the immigration from Italy and the UK are too high
- On the other hand, they are too low for the immigration from Luxembourg

Emigration

- Time-series for reported emigration are not complete
- The IMEM estimates are importantly higher than the MIMOSA estimates
- Within the EU the IMEM estimates of the emigration to especially France and the UK are too high
- On the other hand, they are too low for the emigration to Luxembourg

Net migration

- Reported data of Portugal have been calculated as the difference between total population change and natural population change
- The reported data yield much higher positive net migration numbers than the estimates, although this trend is obviously declining
- The IMEM estimates show a clear declining trend too, however, with a negative migration balance
- The MIMOSA estimates of the net migration remain stable, at a level just above zero

6.27 RO - Romania

Figure 81. Immigration RO (x 1 000)

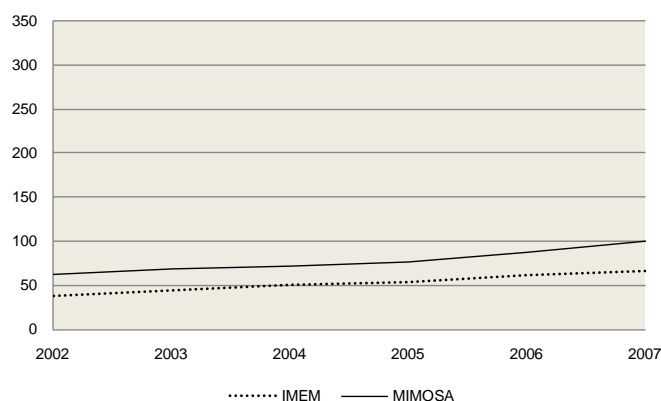


Figure 82. Emigration RO (x 1 000)

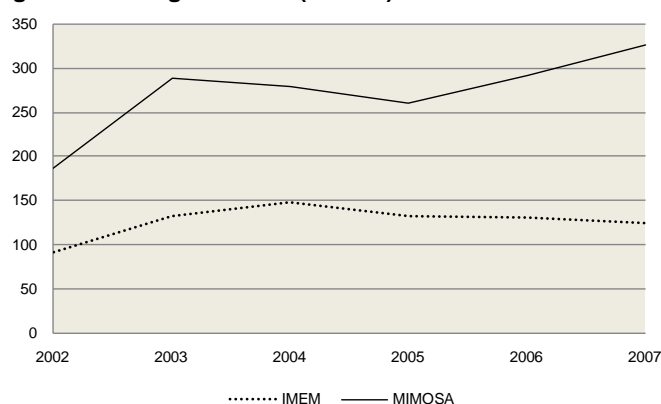


Figure 83. Net migration RO (x 1 000)

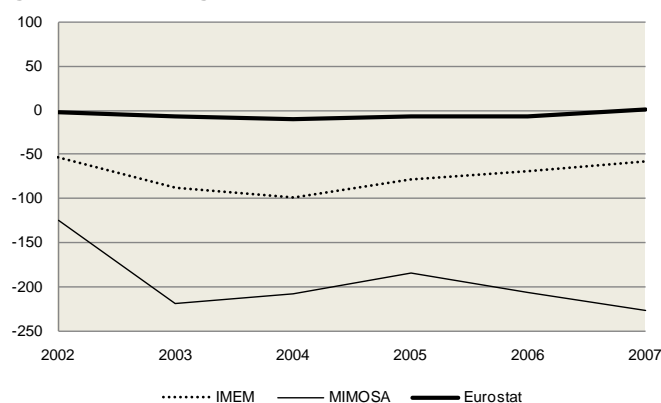


Table 37. Average migration RO, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	1.1	1.9	:
Emigration	5.3	8.9	:
Net migration	-4.3	-7.1	:
Rest			
Immigration	1.3	1.7	:
Emigration	0.5	3.7	:
Net migration	0.8	-1.9	:
Total			
Immigration	2.4	3.6	:
Emigration	5.8	12.6	:
Net migration	-3.4	-9.0	-0.2

Immigration

- In Romania only non-nationals are registered as immigrants
- IMEM provides lower estimates than MIMOSA
- The IMEM estimates are too low for the immigration from Austria, Cyprus, Germany and Spain
- They are too high for the immigration from Italy

Emigration

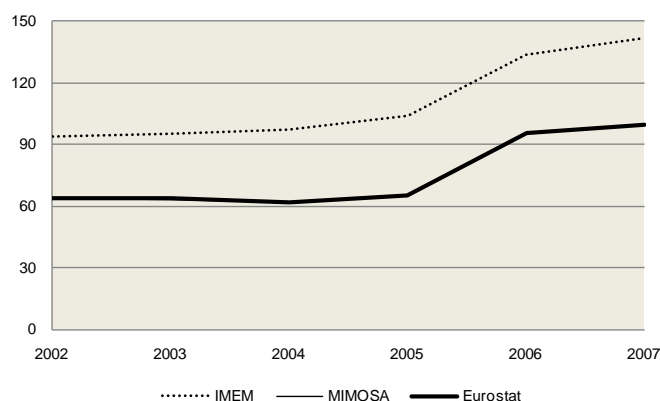
- In Romania only nationals are registered as emigrants
- The MIMOSA estimates are much higher than the IMEM estimates
- The IMEM estimates are too low for the emigration to Austria, Italy and Spain
- They are too high for the emigration to Hungary and the UK
- The IMEM estimates of the emigration to the rest of the world are much lower than the similar MIMOSA estimates

Net migration

- Reported data of Romania have been calculated as the difference between total population change and natural population change
- The reported data do not look plausible
- IMEM produces a modest negative migration balance whereas MIMOSA yields much bigger population losses through migration

6.28 SE - Sweden

Figure 84. Immigration SE (x 1 000)



Immigration

- MIMOSA equals the observed numbers
- The IMEM estimates are somewhat higher
- IMEM is probably too high as regards the immigration from Germany, Finland, Poland, the United Kingdom and the rest of the world

Emigration

- MIMOSA practically equals the observed numbers
- The IMEM estimates are somewhat higher, mainly due to the (too high) emigration to France, the UK and the rest of the world

Net migration

- MIMOSA practically equals the observed numbers
- The IMEM estimates are generally somewhat higher

Figure 85. Emigration SE (x 1 000)

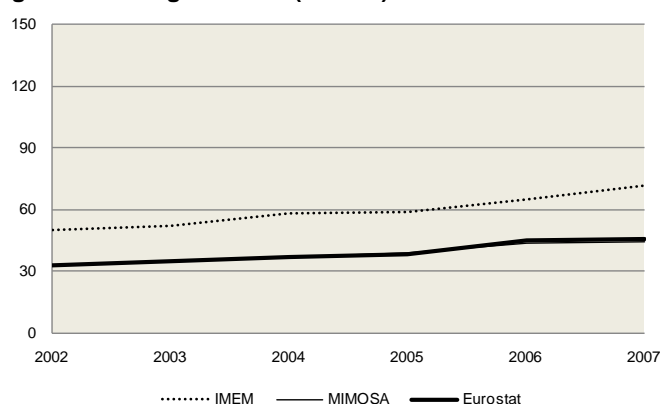


Figure 86. Net migration SE (x 1 000)

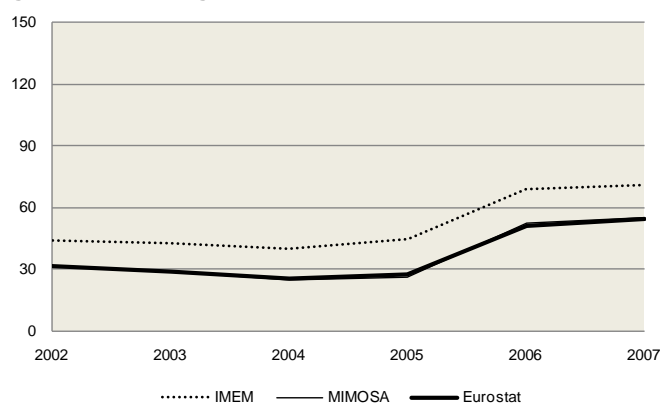
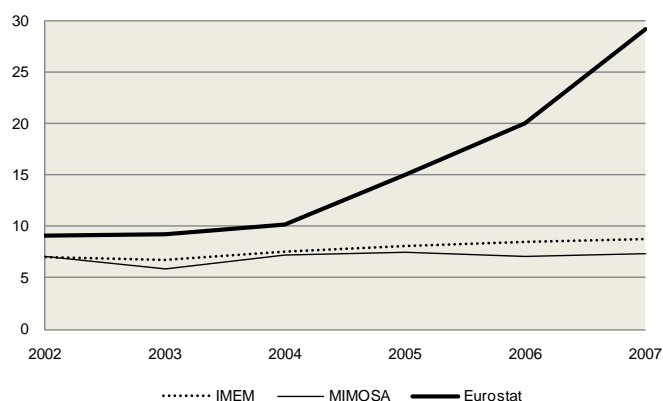


Table 38. Average migration SE, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EU27+4			
Immigration	5.0	3.8	3.8
Emigration	4.2	2.9	3.0
Net migration	0.8	0.8	0.8
Rest			
Immigration	7.3	4.5	4.6
Emigration	2.4	1.3	1.4
Net migration	4.9	3.2	3.2
Total			
Immigration	12.3	8.3	8.3
Emigration	6.6	4.3	4.3
Net migration	5.7	4.0	4.0

6.29 SI - Slovenia

Figure 87. Immigration SI (x 1 000)



Immigration

- Many unknowns in the observed series have been equally distributed
- The estimates do not follow the rising trend in the observed numbers after 2004
- The differences between IMEM and MIMOSA are small

Emigration

- Many unknowns in the observed series have been equally distributed
- IMEM provides higher estimates than MIMOSA
- The differences between the IMEM and MIMOSA estimates focus mainly on the emigration to the rest of the world

Net migration

- IMEM yields negative net migration estimates, whereas Mimosasa produces very small positive net migration estimates
- The rising trend in the observed positive migration balance is not followed by the estimates

Figure 88. Emigration SI (x 1 000)

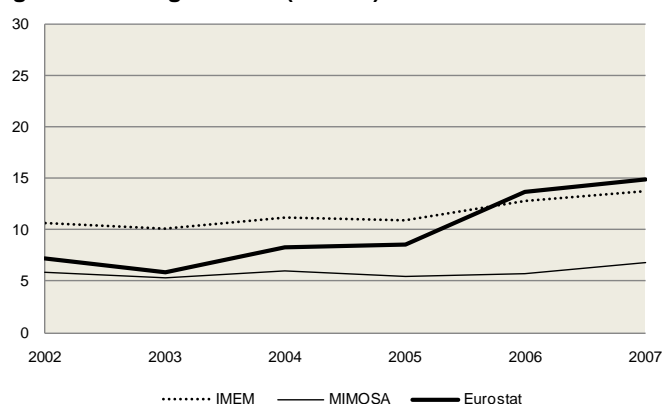


Figure 89. Net migration SI (x 1 000)

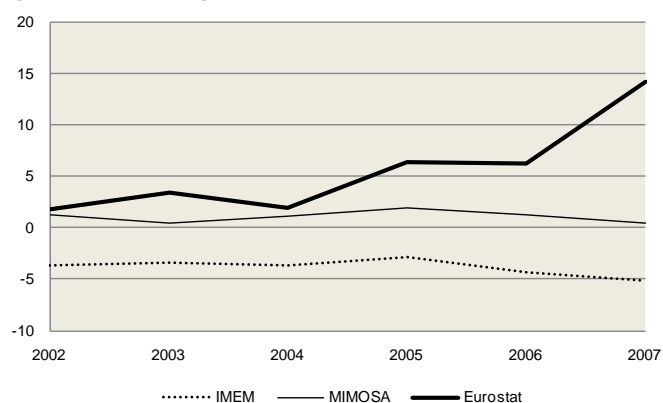


Table 39. Average migration SI, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	2.7	1.9	4.1
Emigration	3.9	2.0	3.3
Net migration	-1.2	-0.1	0.9
Rest			
Immigration	1.2	1.6	3.6
Emigration	1.9	1.0	1.6
Net migration	-0.7	0.7	2.0
Total			
Immigration	3.9	3.5	7.7
Emigration	5.8	3.0	4.9
Net migration	-1.9	0.6	2.8

6.30 SK - Slovakia

Figure 90. Immigration SK (x 1 000)

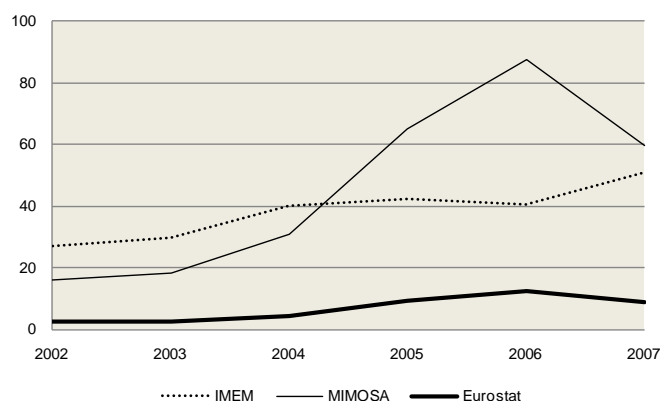


Figure 91. Emigration SK (x 1 000)

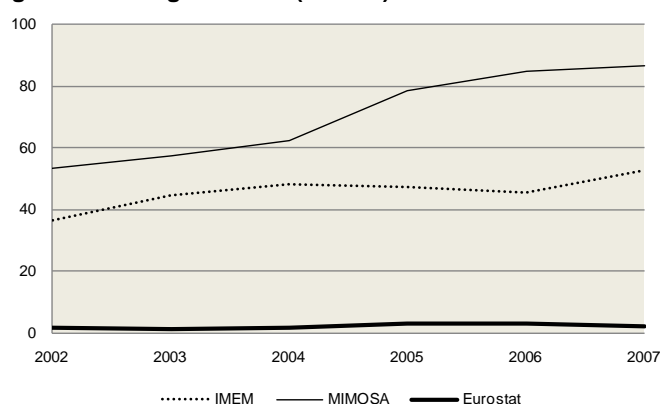


Figure 92. Net migration SK (x 1 000)

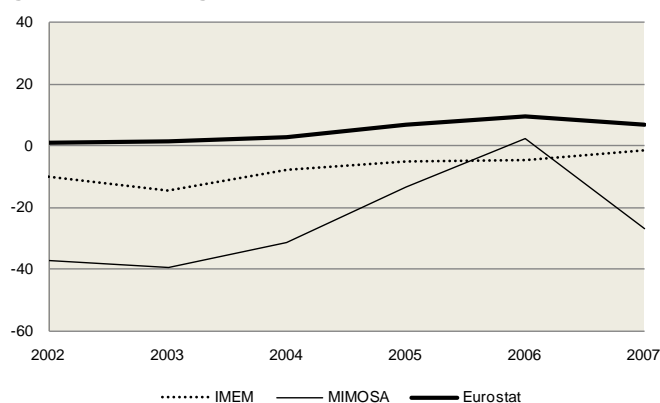


Table 40. Average migration SK, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	5.5	5.3	0.9
Emigration	7.6	10.3	0.3
Net migration	-2.2	-5.0	0.6
Rest			
Immigration	1.7	3.2	0.4
Emigration	0.8	2.7	0.1
Net migration	0.8	0.5	0.3
Total			
Immigration	7.1	8.6	1.2
Emigration	8.5	13.1	0.4
Net migration	-1.4	-4.5	0.9

Immigration

- The observed numbers are very low, mainly because of the narrow definition of a migrant in Slovakia (only 'permanent' migrants are registered)
- The IMEM estimates show a stable slowly rising trend, whereas the MIMOSA estimates fluctuate more strongly over the years
- The biggest difference between IMEM and MIMOSA is the immigration from the rest of the world (IMEM much lower than MIMOSA)
- Furthermore, the IMEM estimates of the immigration from Germany may be too low

Emigration

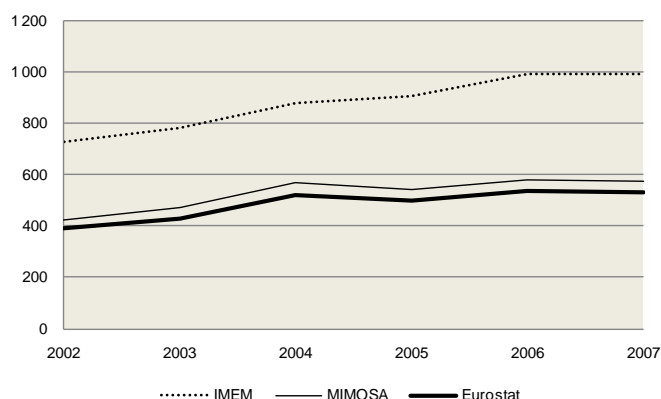
- The observed numbers are very low, mainly because of the narrow definition of a migrant in Slovakia (only 'permanent' migrants are registered)
- The IMEM estimates remain far below the MIMOSA estimates
- The biggest differences between IMEM and MIMOSA are the emigration to Germany and the rest of the world

Net migration

- The observed series (with the narrow definition) yield a small positive migration balance
- The IMEM estimates are somewhat lower than the observed numbers but remain negative
- Except for the year 2006, MIMOSA yields significant population losses through migration

6.31 UK - United Kingdom

Figure 93. Immigration UK (x 1 000)



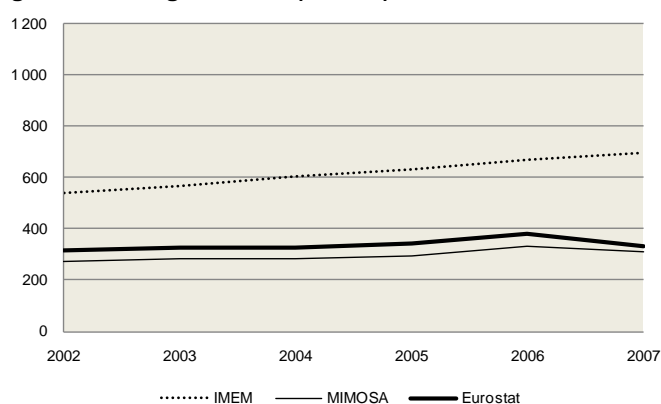
Immigration

- MIMOSA remains very close to the observed numbers
- IMEM accounts continuously for the highest estimates, mainly due to the too high immigration from Belgium, France, Germany, Hungary, Ireland, Italy, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden and the immigration from the rest of the world

Emigration

- MIMOSA remains very close to the observed numbers
- IMEM accounts continuously for the highest estimates, mainly due to the too high emigration to Belgium, France, Germany, Hungary, Ireland, Italy, the Netherlands,, Poland, Portugal, Sweden and the emigration to the rest of the world

Figure 94. Emigration UK (x 1 000)



Net migration

- IMEM and MIMOSA produce positive net migration estimates which are somewhat higher than the observed numbers

Figure 95. Net migration UK (x 1 000)

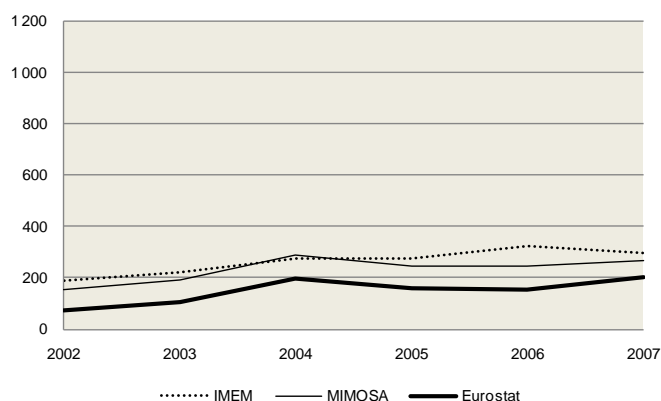


Table 41. Average migration UK, 2002-2007 (per 1 000 population)

	IMEM	MIMOSA	Eurostat
EJ27+4			
Immigration	4.4	2.9	2.6
Emigration	3.2	2.1	2.3
Net migration	1.3	0.8	0.3
Rest			
Immigration	10.2	5.9	5.5
Emigration	7.1	2.8	3.3
Net migration	3.1	3.1	2.2
Total			
Immigration	14.7	8.8	8.1
Emigration	10.3	4.9	5.6
Net migration	4.4	3.9	2.5

7. Summary

This report deals with the analysis of the provisional IMEM results that came available in May 2011. These results relate to the immigration and emigration flows of the 27 countries of the European Union plus the 4 EFTA countries, starting in the year 2002. Because the original information is missing for several countries and given the fact that the available original data are often incomparable due to differences in definitions, in accuracy of the measurement and in coverage of specific subpopulations, the provisional IMEM results are also compared with the MIMOSA estimates of November 2009, covering the years 2002-2007.

Contrary to the MIMOSA model the IMEM model includes expert-based information. For purposes of comparison just the means of the posterior distributions are used.

It appears that there are various differences between the MIMOSA estimates and the IMEM estimates. In some cases the IMEM results look closer to the (unknown) 'real' numbers, in other cases the MIMOSA results look more reliable. The same is true as regards the trends of the observed numbers.

In Table 42 an overview is given of the judgment of the IMEM estimates, based on the foregoing and on the author's experience.

Table 42. Judgment of the average IMEM estimates, 2002-2007

From	To																											EU	Rest	Total			
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO				SE	SI	SK
AT																4										3						1	3
BE						6		4	5						4		3												4	5		5	
BG						1		1																							3	2	2
CH																															9	6	6
CY				3									3														3				3	3	3
CZ																																9	9
DE	4	6	1	6			4	4	4	6	1	1											4	1	1	4		3	6	9	9	9	
DK						4									3																		
EE										3																							
ES				3							6					4										1			4	9	9	9	
FI																										4				6	4	6	
FR		5		5		6		6								6			3										6	6	5	6	
GR					3	3										4																9	9
HU						3										4														4	9	9	9
IE																														6	6	5	6
IS							3																								3		3
IT	4	4		6		6		4	6	4	4														4	4			6	6	9	6	
LI																																	
LT																																	3
LU		3																								3				3			3
LV																																4	4
MT																																9	9
NL		4				4				4						4													4	6	6	6	
NO																														4	4	6	6
PL	3														1	3									3		4		6		9		
PT												5								3										4	5	9	5
RO	3							1			5					1													4	1	2	1	
SE											4																		4	6	6	6	
SI																															9	9	9
SK						3																								9	9	9	
UK		6				6					6	4	4	4										4	6	4	4		6	6	6		
EU27+4	5	1	6	3				9	4	6	9	3	3						1	4			4	1	6	1	6		6				
Rest	9	2	9		9	6	6	9	6	5	9		5	9									6	6		9	9	6		9	6		
Total	5	2	6	3	9	6	6	9	6	6	9	9	5	3	9				1	4			6	6	1	6	1	6		9	6		

1=much too low; 2=probably much too low; 3=too low; 4= too high; 5=probably much too high; 6=much too high; 9=unknown (but big differences between estimates).

Special attention in this table can be given to the codes 1 (IMEM much too low) and 6 (IMEM much too high). Code 1 is rather rare compared to code 6. On the total level code 1 applies to the immigration and emigration of Romania and the immigration of Luxembourg and Poland. In the case of Romania the estimates of the immigration from Germany and Spain are mainly due to the final too low estimates of the immigration, whereas the estimates of the emigration to Italy, Spain and the rest of the world are mainly due to the final too low estimates of the emigration.. The low immigration level of Luxembourg is caused by the estimates for the immigration from Belgium, France and Portugal. The low estimate of the immigration from Germany accounts for the too low immigration level of Poland.

Given the frequent appearance of code 6 in the table it can be said that generally spoken IMEM more often overestimates migration flows than underestimates. On the total level, immigration is obviously overestimated for Denmark, Finland, France, Germany, Italy, Netherlands, Norway, Sweden, Switzerland and the UK. The total emigration is clearly overestimated for Finland, France, Ireland, Italy, Netherlands, Norway, Sweden, Switzerland and the UK. Often the estimates of the migration from and to the rest of the world is due to the too high total. Remarkable too high bilateral estimates result for example for the migration from Germany to Belgium, France, Switzerland and the UK. Furthermore, for the migration from Spain to France, the migration from France to Germany, Spain, Italy and the UK, the migration from Ireland to the UK, the migration from Italy to France, Germany, Switzerland and the UK, the migration from Poland to the UK, and the migration from Portugal to France.

A certain degree of uncertainty is included in the codes 2 and 5. Of these, code 5 appears most frequent in the table (IMEM probably much too high), confirming the conclusion that IMEM more over- than underestimates the migration flows. Finally, code 9 is given in cases where on the total level, EU level or rest level MIMOSA and IMEM importantly differ from each other but it is considered not justified to judge those estimates. On the total level code 9 applies to the immigration of the Czech Republic, Greece, Hungary, Italy, Slovakia and Spain. For the total emigration code 9 is given for the Czech Republic, Germany, Greece, Hungary, Malta, Slovenia, Slovakia and Spain.

Finally, for a number of selected countries a comparison is made of the adjustment factors of the migration flows according to IMEM and MIMOSA. The IMEM factors relate to the intra-EU migration, the MIMOSA factors to the total migration (Figures 96 and 97).⁶

The IMEM factors appear to be somewhat higher than the MIMOSA factors for most of the represented countries. This is in line with the fact that IMEM generally provides higher estimates than MIMOSA. Important exceptions to this rule are the immigration of Luxembourg and the emigration of Cyprus and Spain.

⁶ The selection of countries is mainly defined by the MIMOSA model. For more information see De Beer *et. al.*, 2010. The adjustment factors in the IMEM model are the result of the duration variable (δ), the undercount variable (λ) and the coverage variable (κ). These factors are calculated from the estimated values of λ , δ and κ as follows:
 adjustment factor = $\lambda^{-1} \cdot \exp(-\delta) \cdot \kappa^{-1}$.
 For more information see the IMEM working paper *Model Specification and Data Requirements* (2010).

Figure 96. Adjustment factors for immigration

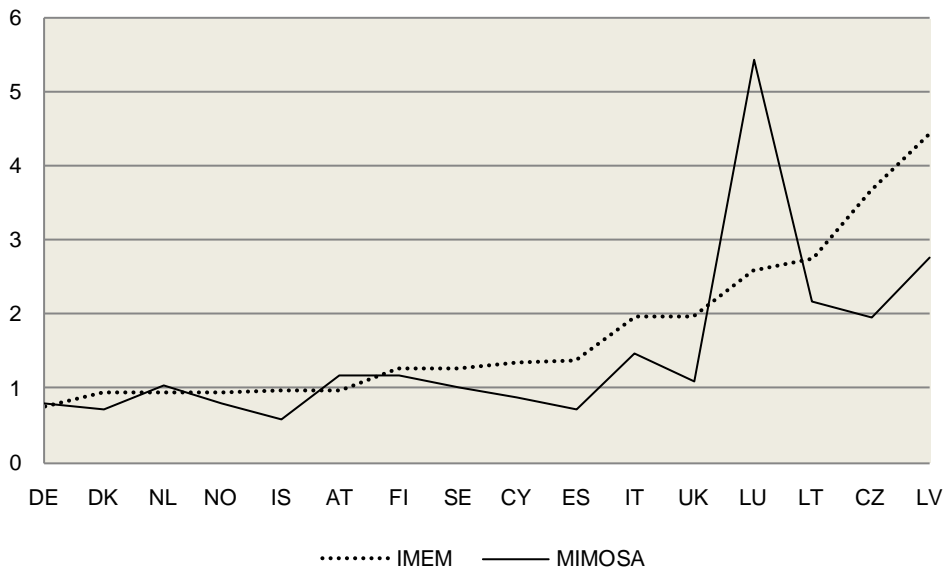
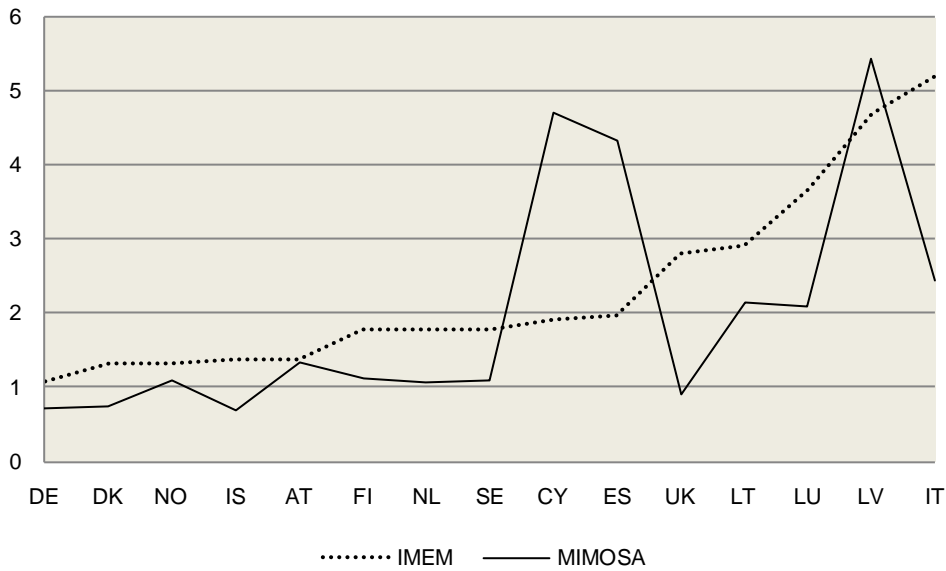


Figure 97. Adjustment factors for emigration



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<http://www.springerlink.com/content/l7557lp336275706/>
- S3RI team (2010) *IMEM – Model Specification and Data Requirements*, Working paper, University of Southampton.

9. ANNEX 1: Abbreviations of country names

Table 43. Abbreviations of country names

AT	Austria	IT	Italy
BE	Belgium	LI	Liechtenstein
BG	Bulgaria	LT	Lithuania
CH	Switzerland	LU	Luxembourg
CY	Cyprus	LV	Latvia
CZ	Czech Republic	MT	Malta
DE	Germany	NL	Netherlands
DK	Denmark	NO	Norway
EE	Estonia	PL	Poland
ES	Spain	PT	Portugal
FI	Finland	RO	Romania
FR	France	SE	Sweden
GR	Greece	SI	Slovenia
HU	Hungary	SK	Slovakia
IE	Ireland	UK	United Kingdom
IS	Iceland		

10. ANNEX 2: Reported migration, 2002-2008

Table 44. Migration reported by country of destination, 2002

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	
AT					79	339	14 401	321		540	101					24	
BE	174				19	80	4 439	609		3 141	151					34	
BG	1 400				356	729	13 230	145		16 078	46					18	
CH	646				70	109	8 533	480		3 716	139					22	
CY	17					12	260	13		17	26					2	
CZ	1 063				93		11 150	202		442	47					7	
DE	9 403				374	987		3 543		13 757	854					195	
DK	179				54	51	2 889			723	360					1 133	
EE	31				0	9	991	234		98	1 378					25	
ES	514				30	42	15 426	1 613			525					58	
FI	226				8	34	2 203	396		875						42	
FR	687				93	340	18 619	1 439		8 200	281					47	
GR	427				4 423	61	15 913	264		195	70					2	
HU	2 337				97	59	17 211	147		326	100					7	
IE	132				23	45	2 230	373		1 186	153					5	
IS	25				0	4	294	1 656		102	45						
IT	1 386				26	253	26 882	943		4 967	227					39	
LI	22				0	0	80	27		8	1					0	
LT	99				0	20	4 135	835		2 003	66					92	
LU	65				0	5	1 739	156		96	49					23	
LV	67				0	8	2 195	455		218	53					18	
MT	10				14	5	111	21		4	2					0	
NL	586				73	224	13 976	886		3 273	228					54	
NO	77				7	41	1 534	3 426		1 961	1 048					433	
PL	2 514				29	1 679	100 968	962		3 869	95					270	
PT	296				0	23	8 806	171		3 958	52					13	
RO	4 222				94	350	24 560	290		48 671	33					17	
SE	487				46	70	3 481	2 388		1 730	3 255					394	
SI	388				0	21	2 379	37		57	2					1	
SK	2 246				0	13 326	11 600	72		422	13					7	
UK	932				3 476	489	14 703	3 645		27 249	870				13 500	197	
EU27+4	30 658				9 484	19 415	344 938	25 749		147 882	10 270					3 179	
Unknown	32 831				66	2	14 683	1 769		69	171					11	
Rest	49 676				4 820	25 262	482 922	25 260		335 309	7 672					1 025	
Total	113 165				126 080	14 370	44 679	842 543		52 778	483 260				17 558	50 500	4 215

From	To															
	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	
AT	936		7		2		565	84	156	37	81	318	90	64	225	
BE	1 807		17		3		5 357	198	61	179	17	387	13	6	2 263	
BG	1 219		5		1		440	126	21	117	2	168	2	37	2 025	
CH	6 536		6		4		802	150	41	118	11	412	73	28	6 591	
CY	11		0		0		29	11	4	0	2	59	0	2	276	
CZ	330		6		8		393	79	34	8	3	151	5	749	0	
DE	11 376		189		76		7 959	1 572	2 335	692	224	2 699	332	86	23 577	
DK	291		87		30		465	3 232	27	39	0	4 250	0	1	3 507	
EE	57		27		56		48	174	0	5	0	345	0	0	0	
ES	2 316		36		4		2 824	757	63	1 015	10	1 166	5	3	13 122	
FI	253		102		23		408	1 249	4	24	0	3 532	0	0	1 025	
FR	4 894		60		19		3 084	513	247	552	80	877	14	17	16 172	
GR	688		2		1		1 077	89	60	11	29	595	2	4	4 733	
HU	485		4		5		547	101	14	27	62	274	5	30	1 322	
IE	325		8		4		664	69	4	45	0	351	1	2		
IS	19		6		8		98	609	2	6	0	485	4	0	0	
IT			25		11		1 756	217	251	268	91	508	68	20	6 674	
LI	3		0		0		7	0	0	0	0	0	1	1	0	
LT	132				162		156	289	40	3	0	261	0	1	0	
LU	251		1		0		172	14	2	16	2	93	0	2	505	
LV	128		197				92	170	5	5	0	189	0	2	0	
MT	132		0		0		41	19	0	2	0	29	2	1	803	
NL	985		18		9			482	83	332	11	780	10	7	8 411	
NO	208		23		8		426		31	72	0	6 374	0	6	1 612	
PL	3 886		126		23		2 275	702		32	3	1 186	3	29	1 288	
PT	453		0		3		1 653	98	4		2	178	2	0	1 685	
RO	18 121		2		6		627	210	3	98		366	0	56	225	
SE	378		52		26		680	4 552	70	48	7		15	9	2 460	
SI	256		0		2		66	3	0	8	0	14		2	0	
SK	413		1		3		256	120	10	1	4	76	1		0	
UK	4 843		73		20		6 810	1 628	208	939	13	3 120	22	16		
EU27+4	61 732		1 080		517		39 777	17 517	3 780	4 699	654	29 243	670	1 181	98 501	
Unknown	0		0		0		684	90	74	0	3	446	7 748	0	0	
Rest	151 470		4 030		911		80 789	22 515	2 733	12 342	5 925	34 398	716	1 131	287 400	
Total	213 202		5 110		12 101		142 8	121 250	40 122	6 587	17 041	6 582	64 087	9 134	2 312	385 901

Source: Eurostat.

Table 45. Migration reported by country of destination, 2003

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	
AT					17	339	13 456	262		554	92						
BE	267				44	80	4 291	587		3 037	184						
BG	1 670				436	646	13 409	130		13 893	27						
CH	828				38	154	8 547	461		3 705	190						
CY	21					35	260	33		19	22						
CZ	1 201				79		9 258	232		388	47						
DE	12 239				195	1 228		3 221		13 746	807						
DK	203				14	65	2 693			764	371						
EE	37				0	4	947	169		60	1 292						
ES	615				38	103	14 647	1 665			608						
FI	251				11	55	2 204	421		802							
FR	741				99	462	18 133	1 488		8 847	312						
GR	465				4 971	57	12 959	278		273	63						
HU	2 595				125	58	14 965	170		271	76						
IE	138				64	45	2 046	306		1 649	146						
IS	33				0	6	273	1 541		70	52						
IT	1 460				11	274	23 702	895		5 796	209						
LI	18				0	0	66	11		12	0						
LT	120				15	27	3 457	701		1 401	44						
LU	57				0	3	1 728	196		89	34						
LV	68				12	17	1 966	381		207	63						
MT	4				12	3	98	18		5	1						
NL	655				65	245	13 015	820		3 567	239						
NO	109				0	36	1 439	3 305		1 692	990						
PL	2 974				123	1 653	104 924	995		3 498	89						
PT	330				0	31	7 699	170		5 505	56						
RO	5 176				243	440	24 056	248		55 294	46						
SE	474				46	83	3 397	2 705		1 537	3 438						
SI	372				0	16	2 053	31		71	6						
SK	2 330				63	24 385	10 684	84		324	12						
UK	1 180				2 870	488	13 197	3 707		34 177	914				13 000		
EU27+4	36 631				9 591	31 038	329 569	25 231		161 253	10 430						
Unknown	23 883				47	29	23 159	648		202 256	200						
Rest	53 040				7 141	28 948	416 247	23 875		308 757	7 208						
Total	113 554				119 783	16 779	60 015	768 975	49 754	672 266	17 838			21 327	50 100	3 704	

From	To														
	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK
AT	979		14	7	4		510	77	140	36		333	55	48	1 289
BE	1 959		10	804	11		5 348	186	64	118		399	19	2	6 897
BG	4 091		3	1	3		480	112	22	138		156	3	22	3 403
CH	7 945		12	35	8		726	203	55	151		483	60	47	783
CY	26		2	0	0		32	14	3	4		44	1	0	1 918
CZ	915		11	3	2		333	70	46	9		123	7	650	1 674
DE	12 902		257	436	79		7 921	1 530	2 261	682		2 872	242	106	14 558
DK	281		81	14	22		474	2 851	17	58		4 603	5	0	565
EE	103		53	2	69		53	108	0	2		311	0	0	2 675
ES	2 051		85	28	2		2 794	679	85	770		1 234	6	2	15 493
FI	278		32	2	38		362	934	6	16		3 395	0	0	246
FR	4 647		40	987	12		2 919	460	191	470		931	23	9	27 767
GR	638		8	5	4		882	97	58	15		585	6	2	2 693
HU	784		5	8	2		498	73	20	18		244	6	25	1 990
IE	292		39	3	6		615	76	12	41		230	0	1	
IS	53		2	0	5		62	393	5	0		474	0	2	0
IT			47	68	17		1 661	230	229	319		473	49	14	1 199
LI	11		0	0	0		0	1	1	0		1	0	0	0
LT	392			1	146		173	265	60	11		232	0	1	76
LU	243		1		0		166	22	3	11		78	2	0	804
LV	193		177	0			74	157	4	11		182	0	0	0
MT	183		1	0	0		44	5	0	0		33	1	1	505
NL	893		40	25	8			443	72	287		707	8	11	10 190
NO	231		38	1	17		476		24	29		5 807	1	1	2 382
PL	10 973		113	10	15		2 106	586		37		1 134	2	36	3 534
PT	475		13	512	2		1 619	74	13			143	3	2	8 772
RO	74 916		4	4	1		703	187	9	139		352	2	216	926
SE	428		58	11	40		638	4 527	91	32			18	7	1 959
SI	394		1	0	2		60	7	1	1		22		1	0
SK	757		5	5	5		191	99	19	1		56	5		2 112
UK	4 970		122	37	35		5 872	1 395	261	1 051		3 022	16	33	
EU27+4	133 003		1 274	3 009	555		37 792	15 861	3 772	4 457		28 659	540	1 239	114 410
Unknown	0		0	9 457	0		471	215	1	0		747	8 117	0	0
Rest	307 298		3 454	147	809		66 251	19 881	3 275	9 932		34 389	622	1 364	317 077
Total	440 301		4 728	12 613	1 364		104 514	35 957	7 048	14 389	3 267	63 795	9 279	2 603	431 487

Source: Eurostat.

Table 46. Migration reported by country of destination, 2004

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	
AT					92	476	13 466	273		601	98						
BE	318				34	100	4 349	528		3 154	186						
BG	1 677				420	662	11 584	138		18 065	47						
CH	948				34	208	9 123	538		4 238	217						
CY	18					12	257	14		20	24						
CZ	1 503				100		9 711	249		725	47						
DE	14 888				366	1 749		3 347		14 713	903						
DK	218				33	44	2 678			919	379						
EE	60				103	8	859	161		114	1 854						
ES	674				47	90	14 406	1 658			616						
FI	286				34	51	2 229	393		774							
FR	906				80	413	18 369	1 555		11 205	290						
GR	431				6 231	66	10 883	259		457	79						
HU	3 159				191	68	17 990	228		528	111						
IE	152				110	54	1 655	262		2 037	92						
IS	23				0	2	262	1 717		102	43						
IT	1 516				94	337	21 422	951		7 239	230						
LI	67				0	1	68	12		27	5						
LT	181				66	56	4 964	941		2 736	89						
LU	67				0	1	1 987	172		150	58						
LV	121				160	18	2 419	394		263	80						
MT	12				64	2	84	16		23	4						
NL	757				55	269	13 026	834		4 499	256						
NO	109				15	19	1 375	3 159		1 736	971						
PL	7 111				1 086	1 806	139 283	1 263		6 150	134						
PT	294				0	22	6 225	208		8 523	53						
RO	5 357				305	361	23 825	265		89 620	58						
SE	463				156	84	3 484	3 169		1 587	3 570						
SI	599				0	17	2 411	33		141	1						
SK	3 480				692	15 788	11 720	101		759	14						
UK	1 221				3 863	635	12 719	3 465		46 518	890				13 800		
EU27+4	46 616				14 431	23 419	362 833	26 303		227 623	11 399						
Unknown	22 773				20	50	51 053	583		125 694	281						
Rest	58 010				7 552	29 984	366 289	22 974		331 244	8 653						
Total	127 399	85 378		120 188	22 003	53 453	780 175	49 860		684 561	20 333			24 298	70 000	5 350	

From	To														
	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK
AT	617		29	13	8		523	112	136	28		252	65	193	1 684
BE	1 274		26	794	9		5 303	191	70	123		395	8	16	967
BG	3 892		50	4	0		418	108	57	65		119	3	27	1 392
CH	4 587		19	36	4		709	151	48	114		386	58	52	1 142
CY	44		2	0	0		48	19	3	4		55	1	5	1 725
CZ	835		32	5	5		565	115	61	24		120	5	987	7 266
DE	13 627		629	457	170		8 671	1 653	2 697	584		2 957	263	333	16 326
DK	273		89	11	52		453	2 893	21	37		4 674	1	16	1 508
EE	112		31	6	87		146	155	7	9		421	0	0	797
ES	1 954		250	13	10		2 826	717	103	646		1 174	2	23	12 819
FI	208		54	1	49		348	647	3	20		3 035	2	5	747
FR	3 601		78	999	20		2 871	459	293	431		982	18	85	15 040
GR	525		20	4	5		913	74	95	15		491	5	16	3 218
HU	591		5	4	5		649	90	23	24		267	7	100	4 101
IE	437		188	9	25		493	80	15	32		237	2	4	
IS	25		6	0	2		79	299	11	2		428	0	0	0
IT			93	67	23		1 583	228	253	302		496	80	82	3 839
LI	7		0	0	0		4	2	1	0		3	0	0	0
LT	475			3	246		455	523	57	21		444	0	4	10 800
LU	186		1		0		154	16	3	12		89	5	1	0
LV	183		147	4			155	135	11	11		218	0	0	4 015
MT	79		1	0	0		51	4	4	2		26	0	3	276
NL	905		43	22	8			601	138	251		823	14	40	7 301
NO	125		101	1	24		448		30	28		4 884	1	6	2 119
PL	10 996		117	9	27		5 073	1 576		66		2 521	3	216	16 985
PT	380		47	549	5		1 349	92	7			171	1	4	5 750
RO	64 290		4	7	3		711	228	20	327		332	5	325	2 548
SE	345		86	16	32		625	4 308	114	50			14	20	5 918
SI	269		2	2	1		74	10	2	8		41		15	0
SK	757		5	5	2		472	138	22	16		119	3		5 834
UK	4 383		541	36	111		5 407	1 653	313	1 188		2 885	21	86	
EU27+4	115 982		2 696	3 077	933		41 576	17 277	4 618	4 440		29 045	587	2 664	134 117
Unknown	0		121	9 296	0		0	256	3	0		651	8 756	0	0
Rest	298 898		2 736	122	732		52 443	18 949	4 874	12 321		32 332	828	1 796	383 980
Total	414 880		5 553	12 495	1 665		94 019	36 482	9 495	16 761	2 987	62 028	10 171	4 460	518 097

Source: Eurostat.

Table 47. Migration reported by country of destination, 2005

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	
AT					15	384	13 758	261		817	118						
BE	314				122	48	4 267	498		3 420	189						
BG	1 484				436	844	9 022	115		15 520	38						
CH	941				43	49	9 405	500		4 191	228						
CY	27					2	280	21		21	16						
CZ	1 434				229		9 267	263		826	45						
DE	17 268				525	1 445		3 744		16 356	938						
DK	254				26	41	2 669			1 015	349						
EE	49				34	9	773	191		123	2 063						
ES	752				61	47	14 004	1 853			631						
FI	277				51	27	2 169	368		803							
FR	1 005				198	212	18 603	1 708		13 112	367						
GR	410				5 015	25	9 692	225		652	98						
HU	3 692				354	28	19 181	311		689	111						
IE	163				178	46	1 551	264		1 845	109						
IS	45				0	3	187	1 595		174	37						
IT	1 676				111	204	20 268	931		9 989	229						
LI	48				0	2	45	10		20	1						
LT	255				47	51	5 468	1 117		2 514	73						
LU	60				0	3	2 405	127		119	34						
LV	87				247	13	2 502	439		288	113						
MT	9				11	2	111	31		13	3						
NL	952				92	295	13 905	758		5 585	294						
NO	104				35	17	1 325	2 999		1 584	756						
PL	7 245				1 625	1 246	159 157	2 082		7 187	139						
PT	338				11	13	5 608	205		12 462	43						
RO	5 332				614	440	23 387	354		94 084	63						
SE	516				182	52	3 287	3 467		1 840	3 950						
SI	586				27	10	1 513	54		131	7						
SK	3 759				1 124	10 133	11 851	150		724	37						
UK	1 325				5 235	421	12 611	3 489		43 879	934				15 500		
EU27+4	50 407				16 648	16 112	378 271	28 130		239 983	12 013						
Unknown	11 846				13	1 718	21 378	655		104 002	103						
Rest	55 569				7 758	42 464	307 703	23 673		375 299	9 239						
Total	117 822				118 270	24 419	60 294	707 352	52 458	719 284	21 355			27 820	86 900	7 773	

From	To															
	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	
AT	565		22	7	8		517	118	162			253	92	325	1 279	
BE	1 245		31	784	9		5 584	213	89			375	7	38	1 821	
BG	2 417		35	1	1		416	117	59			101	0	18	1 759	
CH	4 430		19	25	13		636	184	48			481	88	72	5 361	
CY	37		6	0	3		56	10	0			40	4	2	3 073	
CZ	607		45	8	8		552	101	60			133	6	1 144	7 367	
DE	13 330		698	502	189		9 134	2 101	2 823			2 944	318	742	26 956	
DK	213		85	4	52		425	2 897	23			5 008	3	39	1 158	
EE	112		24	0	134		104	210	2			424	0	5	317	
ES	1 856		360	29	14		2 885	753	106			1 254	8	43	13 773	
FI	200		28	8	69		383	594	6			3 282	0	3	676	
FR	4 014		77	1 047	36		3 018	579	324			1 047	32	185	12 882	
GR	568		17	10	3		977	93	67			524	2	12	3 510	
HU	592		3	6	3		679	106	21			322	6	248	0	
IE	386		423	7	66		508	88	32			230	2	4		
IS	42		17	1	4		49	293	12			450	2	1	293	
IT			112	80	35		1 717	225	331			508	96	123	10 694	
LI	21		0	0	1		3	2	3			0	0	1	0	
LT	512			0	264		383	783	51			709	0	2	726	
LU	172		4		5		126	28	5			90	4	2	2 781	
LV	226		195	2			151	175	11			249	0	10	2 297	
MT	82		0	3	1		29	1	0			26	0	6	466	
NL	836		48	32	13			809	164			955	13	56	5 356	
NO	102		104	6	18		415		41			4 317	0	35	1 855	
PL	10 326		143	18	23		6 672	3 271				3 516	4	311	51 915	
PT	424		44	558	7		1 258	121	10			195	1	12	2 492	
RO	44 447		7	6	1		559	229	24			374	1	155	648	
SE	365		123	15	68		657	4 611	100				13	23	2 030	
SI	363		4	1	0		93	14	6			41		23	0	
SK	834		7	10	1		515	134	31			99	6		7 618	
UK	4 014		1 192	51	128		4 908	1 537	468			2 738	24	126		
EU27+4	93 338		3 873	3 221	1 177		43 409	20 397	5 079			30 685	732	3 766	169 103	
Unknown	0		21	10 151	0		0	570	3			696	13 592	0	0	
Rest	211 622		2 895	140	709		48 888	19 181	4 282			33 848	717	5 644	327 366	
Total	304 960		6 789	13 512	1 886		92 297	40 148	9 364			3 704	65 229	15 041	9 410	496 469

Source: Eurostat.

Table 48. Migration reported by country of destination, 2006

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	
AT					11	111	14 719	344		964	108						
BE	269				35	28	4 115	529		3 391	204						
BG	1 315				282	821	7 655	103		17 709	42						
CH	1 063				31	24	10 371	607		4 744	210						
CY	17					2	269	22		38	20						
CZ	1 353				86		8 468	304		1 181	71						
DE	18 467				335	807		4 471		18 417	981						
DK	189				0	23	2 563			1 076	353						
EE	47				22	7	621	205		184	2 734						
ES	758				33	33	14 219	1 845			702						
FI	303				0	14	1 984	456		770							
FR	1 038				102	159	19 095	1 755		15 604	408						
GR	368				1 390	24	8 957	252		694	80						
HU	3 889				126	16	19 274	322		1 193	86						
IE	147				10	26	1 724	270		1 972	132						
IS	35				0	1	204	1 679		173	69						
IT	1 683				36	130	20 130	1 044		12 625	290						
LI	40				0	0	63	10		27	1						
LT	240				60	35	4 927	1 387		2 562	90						
LU	78				17	2	2 611	153		158	53						
LV	72				109	2	2 092	526		380	93						
MT	15				4	0	147	35		34	4						
NL	862				66	188	14 054	939		5 950	272						
NO	95				0	11	1 190	3 106		1 586	674						
PL	6 145				904	947	163 643	3 732		13 792	222						
PT	319				33	7	5 640	252		19 304	67						
RO	4 794				435	442	23 844	341		111 981	102						
SE	608				50	30	3 181	3 629		2 102	3 448						
SI	670				12	9	1 157	55		181	7						
SK	3 678				518	6 795	11 447	163		1 213	15						
UK	1 285				1 685	272	12 903	3 235		41 876	1 000				12 630		
EU27+4	49 842				6 392	10 966	381 267	31 771		281 881	12 538						
Unknown	10 526				3 406	2 061	18 811	638		123 131	183						
Rest	40 604				5 747	55 156	261 777	24 341		435 832	9 730						
Total	100 972				127 586	15 545	68 183	661 855	56 750	840 844	22 451			21 520	103 260	9 832	

From	To														
	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK
AT			18	9	13		591	137	224	14		324	169	317	3 094
BE			47	605	28		6 149	200	106	69		429	23	24	2 823
BG			21	1	2		451	89	23	401		119	0	17	2 981
CH			19	16	12		850	202	39	60		483	54	56	3 587
CY			5	1	1		63	17	17	3		77	4	4	6 362
CZ			26	1	13		598	141	28	21		209	5	1 164	6 573
DE			575	455	248		10 424	2 581	3 227	320		4 090	262	674	20 505
DK			68	17	55		488	2 828	53	14		6 432	3	36	4 054
EE			20	3	96		87	244	1	6		466	0	4	2 178
ES			366	25	26		3 372	881	145	280		1 459	18	63	14 736
FI			24	3	43		336	580	7	15		3 092	1	7	1 034
FR			76	927	46		3 357	628	356	183		1 216	36	139	21 821
GR			12	4	3		1 175	92	101	7		640	1	17	3 323
HU			4	3	5		664	131	14	15		521	5	342	4 074
IE			766	14	122		471	78	211	23		310	1	25	
IS			11	0	5		61	309	13	1		475	1	1	484
IT			122	58	50		1 966	267	377	110		789	99	173	6 626
LI			0	0	0		2	1	0	0		0	0	1	0
LT			0	0	297		300	1 339	29	113		889	0	4	1 298
LU			11		3		170	14	5	11		84	4	1	0
LV			171	4			130	295	7	41		370	0	8	181
MT			0	0	2		76	11	1	0		26	2	0	1 035
NL			47	29	32			912	236	224		1 319	14	59	3 204
NO			114	1	30		486		71	16		4 489	1	45	1 529
PL			125	22	65		8 214	7 401		97		6 409	1	644	58 468
PT			25	517	14		1 696	111	6			211	3	15	1 952
RO			6	6	4		718	234	11	1 564		348	1	98	2 247
SE			94	11	67		787	5 206	146	20			10	28	2 395
SI			3	0	1		117	14	1	2		62		20	0
SK			4	0	6		666	321	18	19		149	8		8 804
UK			1 528	35	245		5 552	1 602	1 592	828		3 295	28	203	
EU27+4			4 308	2 767	1 534		50 017	26 866	7 065	4 477		38 782	754	4 189	185 368
Unknown			33	11 439	0		0	475	3	0		561	18 620	7 022	0
Rest			3 404	146	1 267		51 133	18 435	3 734	23 226		56 407	642	1 400	343 640
Total			7 745	14 352	2 801	1 829	101 150	45 776	10 802	27 703	7 714	95 750	20 016	12 611	529 008

Source: Eurostat.

Table 49. Migration reported by country of destination, 2007

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	
AT					33	212	15 743	358		1 168	134					42	
BE	320				23	78	4 198	503		3 658	235					20	
BG	2 149				1 362	1 108	20 702	315		26 967	127					8	
CH	1 297				0	66	11 285	551		5 104	255					28	
CY	34					13	328	33		32	32					0	
CZ	1 344				120		7 455	318		1 436	76					76	
DE	20 414				195	1 958		5 679		18 902	1 045					315	
DK	172				20	50	2 631			1 285	377					1 693	
EE	47				32	15	726	219		173	3 145					26	
ES	884				59	110	15 515	1 916			782					78	
FI	276				24	49	2 250	450		1 038						48	
FR	1 053				137	392	19 627	1 690		15 973	391					75	
GR	383				2 121	66	8 908	238		892	101					5	
HU	4 615				155	74	22 880	502		1 928	251					21	
IE	151				34	94	1 862	298		2 099	165					16	
IS	26				0	8	195	1 800		162	53						
IT	1 927				17	328	20 771	1 150		15 301	317					108	
LI	44				0	0	58	14		19	0					0	
LT	181				22	92	4 024	1 225		2 428	73					452	
LU	76				0	0	3 224	168		125	71					30	
LV	80				97	21	1 757	548		444	120					167	
MT	22				20	3	151	21		50	7					4	
NL	936				69	311	14 107	948		5 695	278					56	
NO	95				26	20	1 405	2 892		1 614	632					295	
PL	5 398				744	2 319	153 589	5 581		15 166	442					4 188	
PT	318				48	33	6 128	265		25 837	62					205	
RO	9 223				1 604	900	43 456	882		174 217	188					44	
SE	384				47	84	3 256	4 518		2 157	3 353					589	
SI	720				13	26	1 276	64		232	14					16	
SK	3 658				193	13 956	9 583	323		1 287	42					82	
UK	1 390				1 891	733	13 443	3 352		38 347	1 067				14 977	258	
EU27+4	57 617		264		9 106	23 119	410 533	36 821		363 736	13 835					8 945	
Unknown	8 928		0		3 827	2 172	12 326	452		112 626	155					13	
Rest	40 360		1 297		6 084	79 154	257 907	27 383		481 904	12 039					1 476	
Total	106 905	146 409	1 561	165 634	19 017	104 445	680 766	64 656		958 266	26 029			24 361	88 779	10 434	

From	To														
	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK
AT			12	6	20		650	139	264			361	127	298	799
BE			45	649	20		6 881	194	127			423	14	38	5 823
BG			32	3	287		4 837	198	23			1 106	0	520	2 441
CH			22	16	13		900	232	72			574	146	71	3 929
CY			5	0	5		75	19	15			90	0	0	1 846
CZ			23	6	56		626	191	42			250	6	1 178	1 772
DE			592	458	234		10 981	4 168	3 913			4 682	374	733	12 311
DK			100	7	66		544	2 956	61			6 615	6	35	452
EE			17	0	115		93	410	2			471	0	2	800
ES			416	24	49		3 902	818	213			1 515	11	80	17 542
FI			17	4	34		435	789	11			2 888	2	22	377
FR			65	1 000	50		3 725	830	394			1 407	25	185	19 756
GR			14	5	5		1 272	92	104			761	1	35	5 315
HU			2	5	2		1 054	222	13			852	9	570	6 384
IE			884	14	350		640	133	589			367	8	25	
IS			20	1	12		101	337	25			457	0	9	1 726
IT			93	64	64		2 182	308	412			820	81	240	5 943
LI			0	0	0		0	3	1			0	4	0	0
LT				3	299		347	2 356	20			906	1	16	2 139
LU			12		1		180	15	11			105	15	1	0
LV			164	0			149	466	0			377	0	7	868
MT			4	0	0		50	8	0			46	0	1	227
NL			52	29	49			1 016	285			1 291	13	74	6 329
NO			141	3	49		465		89			4 714	0	52	502
PL			97	43	117		10 126	14 073				7 540	2	418	88 366
PT			45	565	16		2 096	177	10			206	2	12	4 830
RO			4	10	54		2 347	583	9			2 457	3	2 465	2 058
SE			134	18	89		789	6 300	156				21	34	4 514
SI			2	4	2		129	38	0			73		32	0
SK			4	2	8		692	615	7			162	2		3 136
UK			1 792	40	599		6 372	1 929	3 913			3 624	18	233	
EU27+4			4 810	2 979	2 665		62 640	39 615	10 781			45 140	891	7254	200 185
Unknown			49	13 540	0		0	455	9			505	27 784	0	0
Rest			3 750	156	876		54 179	21 704	4 205			53 840	518	1238	326 529
Total			8 609	16 675	3 541	6 730	116 819	61 774	14 995			9 575	99 485	29 193	8624 526 714

Source: Eurostat.

Table 50. Migration reported by country of destination, 2008

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	
AT			11		13		16 828	208	18	1 036	120				186		
BE	308		5		40		4 428	410	33	2 716	184				460		
BG	2 436				798		23 834	698	12	9 968	161				28		
CH	1 276		1		38		12 913	443	4	2 707	217				256		
CY	28		16				300	13	2	40	31				54		
CZ	1 414		13		77		7 272	210	23	823	58				617		
DE	21 908		54		246			4 553	184	13 310	1 064				2 493		
DK	147		1		30		3 031		16	866	426				189		
EE	60		0		98		647	183		187	3 315				246		
ES	995		76		67		17 388	1 389	60		760				2 630		
FI	269		0		46		2 046	327	1 151	711					256		
FR	1 062		13		219		19 772	1 230	63	12 674	406				2 671		
GR	395		101		1 861		9 162	202	5	717	105				112		
HU	5 311		2		35		25 872	467	16	1 216	355				466		
IE	154		2		20		2 169	280	47	1 501	227						
IS	30		0		0		284	1 267	2	164	50				12		
IT	2 027		35		24		22 449	793	60	13 273	334				1 491		
LI	57		0		0		87	0	0	12	2				2		
LT	195		0		55		3 454	1 113	76	1 117	98				2 731		
LU	95		0		0		3 458	158	2	147	54				59		
LV	107		0		70		2 062	477	92	402	105				1 518		
MT	23		0		13		133	40	0	39	15				36		
NL	865		7		32		14 393	705	21	4 329	240				830		
NO	128		2		67		1 529	2 424	33	1 146	670				129		
PL	4 463		3		504		131 308	6 775	36	6 576	575				10 633		
PT	352		8		63		6 500	194	19	14 817	90				385		
RO	9 218		0		1 197		47 642	1 406	9	58 377	184				145		
SE	355		4		73		3 124	4 177	112	1 684	3 715				545		
SI	765		0		0		1 298	69	3	183	24				22		
SK	5 005		2		160		8 828	353	3	632	70				1 173		
UK	1 439		27		1 170		15 244	3 038	128	25 108	1 174				11 561		
EU27+4	60 887		383		7 016		407 455	33 602	2 230	176 478	14 829				41 936		
Rest	40 369		853		3 900		266 432	23 318	1 441	407 563	14 087				21 465		
Unknown	8 818		0		3 179		8 259	437	0	141 968	198				526		
Total	110 074	164 152	1 236	184 297	14 095	77 817	682 146	57 357	3 671	726 009	29 114	216 937	74 724	37 521	63 927	10 288	

From	To															
	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	
AT	696		26		28		706	154	807		126	425	325	340		
BE	1 214		46		21		7 874	233	450		36	513	76	58		
BG	8 417		11		251		5 148	394	248		16	894	444	352		
CH	3 342		19		13		944	192	189		44	638	132	87		
CY	28		3		5		100	20	68		8	115	2	4		
CZ	711		24		31		811	156	200		7	383	59	1 405		
DE	11 088		563		269		12 929	4 219	7 837		526	4 305	666	902		
DK	224		106		35		615	2 049	356		3	5 605	5	31		
EE	144		28		97		136	502	8			446	8	7		
ES	2 741		422		64		5 101	734	854		98	1 706	54	78		
FI	253		39		54		521	471	110		4	2 879	19	17		
FR	4 380		101		93		4 513	807	1 138		153	1 465	118	173		
GR	565		23		10		1 674	145	301		94	894	8	32		
HU	1 219		2		14		1 820	236	81		368	1 057	89	924		
IE	518		961		198		759	109	3 347		28	431	15	47		
IS	35		18		12		131	255	152			582	4	0		
IT			117		77		2 987	371	1 452		1 290	1 086	520	202		
LI	24		0		0		3	2	0				2	0		
LT	734				298		487	2 578	115		1	921	10	14		
LU	174		20		6		200	20	22		1	88	17	4		
LV	281		119				252	542	25			427	6	9		
MT	100		0		3		59	10	0			37	1	2		
NL	975		65		19			898	2 033		36	1 378	39	69		
NO	161		148		56		598		473		7	5 055	13	58		
PL	12 561		136		89		13 890	12 621			8	6 972	69	394		
PT	544		48		15		2 645	248	82		28	230	12	18		
RO	175 907		5		189		2 390	989	104			2 449	146	2 133		
SE	450		119		86		941	5 445	571		19		38	37		
SI	325		2		3		179	48	13			86		25		
SK	1 293		4		12		977	585	114		8	210	226			
UK	4 938		1 993		331		7 540	1 753	13 339		38	4 142	167	317		
EU27+4	234 042		5 168		2 379		76 930	36 786	34 489		2 947	45 419	3 290	7 739		
Rest	300 670		4 109		1 086		66 586	20 913	13 386		7 075	55 028	27 115	1 026		
Unknown	0		20		0		0	424	5		8	724	288	9 055		
Total	534 712		9 297	17 758	3 465	9 031	143 516	58 123	47 880	29 718	10 030	101 171	30 693	17 820	590 242	

Source: Eurostat.

Table 51. Migration reported by country of origin, 2002

To																			
From	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI	
AT		120	492	552	10	630	3 605	145	12	196	149	389	238	1 279	57	19	735	25	
BE																			
BG																			
CH																			
CY	0	63	436	0		21	42	0	0	62	42	62	1 412	62	0	0	63	0	
CZ	377	52	470	116	24		1 087	56	3	64	39	289	77	37	41	4	211	0	
DE	15 929	4 565	8 682	14 660	242	9 691		2 974	614	16 681	2 658	19 815	19 998	16 411	2 634	268	36 535	106	
DK	233	523	55	471	35	143	2 700		175	1 722	376	1 474	273	119	311	1 076	777	18	
EE																			
ES	134	968	121	2 363	4	50	3 310	122	8		178	3 316	65	48	1 132	5	1 256	28	
FI	87	222	8	251	22	30	730	384	361	724		380	69	132	137	37	183	0	
FR																			
GR																			
HU																			
IE																			
IS	11	25	3	22	2	7	184	1 721	14	49	51	65	4	0	9		32	0	
IT	532	1 170	110	4 828	0	28	7 416	126	1	849	149	2 417	244	129	125	0		3	
LI																			
LT	15	18	4	21	3	28	817	128	40	174	97	103	6	4	66	11	64	0	
LU																			
LV	19	3	3	7	0	11	210	52	120	6	60	105	1	2	7	1	11	0	
MT																			
NL	493	9 270	68	1 005	32	207	10 822	540	14	3 150	299	3 431	477	293	493	48	1 202	1	
NO	64	157	32	144	13	33	679	3 309	59	1 099	1 056	420	50	24	55	419	162	1	
PL	525	119	12	88	2	38	17 806	95	0	166	9	339	75	11	13	9	302	0	
PT	0	0	0	2 240	0	0	776	0	0	404	0	1 838	0	0	0	0	0	0	
RO	293	74	0	141	18	98	1 305	0	0	172	4	233	60	903	115	0	1 317	0	
SE	286	379	22	503	64	68	1 659	2 241	83	1 284	3 211	891	484	140	217	347	477	1	
SI	282	38	4	154	1	18	907	6	0	14	4	49	18	11	3	2	145	1	
SK	212	13	6	59	1	449	219	3	0	20	0	20	7	24	2	0	36	0	
UK	4 197	3 140	0	2 946	2 387	914	14 338	1 705	0	36 746	273	19 452	7 148	4 638		0	6 344	0	
To																			
From	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Unk	Rest	Total		
AT	54	19	12	5	269	69	1 538	157	1 228	269	282	1 066	529	14 150	49 274	16 234	79 658		
BE																			
BG																			
CH																	78 425		
CY	0	0	0	21	21	0	21	0	457	21	0	0	790	3 596	31	3 858	7 485		
CZ	20	5	8	3	159	22	1 117	8	158	57	19	14 455	389	19 367	1	13 021	32 389		
DE	2 290	1 327	1 378	91	9 336	1 753	78 739	11 315	17 834	3 876	2 502	9 820	16 662	329 386	29 394	264 475	623 255		
DK	680	131	372	17	613	3 325	588	128	109	4 337	30	78	4 317	25 206	3 028	15 247	43 481		
EE																			
ES	14	104	4	2	907	240	99	1 105	271	215	1	22	5 083	21 175	6	15 424	36 605		
FI	28	76	24	1	270	1 186	37	28	24	3 591	2	3	980	10 007	24	2 860	12 891		
FR																			
GR																			
HU																	2 578		
IE													5 900				20 700		
IS	15	33	7	8	62	619	101	22	6	498	2	11	239	3 822	20	648	4 490		
IT	4	198	2	97	481	109	459	157	645	186	148	16	2 741	23 370	0	18 386	41 756		
LI																			
LT		2	122	0	69	57	128	11	1	119	0	2	216	2 326	0	4 760	7 086		
LU																	9 452		
LV	176	0		0	14	38	28	2	2	60	0	1	62	1 001	0	2 261	3 262		
MT																			
NL	39	169	11	30		511	492	710	131	659	26	100	6 051	40 774	30 190	25 954	96 918		
NO	52	13	56	5	337		87	70	62	6 357	3	28	1 300	16 146	1 355	5 447	22 948		
PL	4	23	7	0	290	47		6	2	174	0	11	254	20 427	56	4 049	24 532		
PT	0	494	0	0	200	0	0	0	0	0	0	0	881	6 833	0	1 981	8 814		
RO	0	9	0	0	67	12	2	6	6	42	0	122	45	5 038	3	3 113	8 154		
SE	23	104	46	49	551	4 404	190	100	67		24	21	3 451	21 387	2 705	8 917	33 009		
SI	1	5	0	0	45	1	10	6	0	44		4	51	1 824	4 645	800	7 269		
SK	0	1	0	0	19	3	11	0	1	10	1		55	1 172	0	239	1 411		
UK	0	507	0	196	10 965	1 208	1 387	2 082	0	1 759	0	284		122 616	198	183 117	305 931		

Source: Eurostat.

Table 52. Migration reported by country of origin, 2003

From	To																	
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI
AT		177	750	612	13	837	4 422	100	17	300	196	426	340	1 752	68	11	852	13
BE																		
BG																		
CH																		
CY	19	22	369	40		16	80	14	0	14	0	59	604	19	0	0	16	0
CZ	315	78	502	78	32		950	47	2	70	57	283	66	35	31	6	197	0
DE	15 976	4 623	10 088	14 792	306	8 909		2 712	597	16 236	2 380	19 060	18 106	15 429	2 415	280	33 802	73
DK	231	511	81	486	24	180	2 540		133	1 720	403	1 333	229	120	264	1 062	782	8
EE																		
ES	93	647	216	1 194	1	34	2 109	130	4		102	2 474	38	41	487	12	801	11
FI	76	245	4	269	19	34	761	397	311	792		284	56	96	110	44	210	0
FR																		
GR																		
HU																		
IE																		
IS																		
IT	623	1 414	156	6 322	1	20	9 778	155	1	895	170	2 933	211	162	130	3		0
LI																		
LT	41	51	7	56	2	53	1 204	158	34	465	112	143	15	7	276	25	184	0
LU	22	1 119	5	128	0	7	747	119	3	73	33	1 254	22	17	44	13	208	0
LV	10	0	2	12	1	3	170	40	44	2	33	28	2	0	11	6	32	0
MT																		
NL	470	9 284	98	987	37	172	9 822	430	18	3 365	292	3 373	482	242	459	31	1 274	0
NO	80	113	32	162	17	41	703	3 259	68	1 079	1 017	426	48	53	81	491	190	0
PL	355	138	0	62	0	46	15 013	68	0	139	11	251	56	6	20	12	311	0
PT	0	0	0	907	0	0	955	0	0	0	0	849	0	0	0	0	0	0
RO	326	97	1	200	38	83	1 938	0	0	186	19	338	64	984	64	6	1 993	0
SE	238	411	37	477	54	77	1 580	2 585	99	1 356	3 386	946	510	127	205	348	441	1
SI	188	40	2	103	4	12	463	4	0	12	1	47	8	5	2	0	127	1
SK	134	7	5	53	0	448	199	0	0	8	1	17	2	18	0	0	38	0
UK	690	1 004	457	5 076	2 980	833	25 576	1 979	0	37 658	708	23 643	6 155	3 605		0	5 047	0

From	To																	
	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Unk	Rest	Total	
AT	70	44	25	6	295	61	1 904	180	2 435	396	295	1 329	668	18 594	37 152	21 511	77 257	
BE																	41 897	
BG																		
CH																	76 756	
CY	0	0	0	15	19	0	15	0	239	21	0	0	261	1 842	0	2 595	4 437	
CZ	13	6	12	5	149	38	1 040	27	141	43	9	18 262	455	22 949	4	11 273	34 226	
DE	2 011	1 510	1 474	120	8 616	1 730	82 910	8 880	19 324	3 786	2 346	9 546	15 550	323 587	47 808	254 935	626 330	
DK	596	131	348	14	609	2 908	548	174	123	4 582	29	79	4 317	24 565	3 398	15 503	43 466	
EE																		
ES	31	89	1	6	600	116	144	627	656	164	12	16	2 335	13 191	38 339	12 768	64 298	
FI	20	57	21	2	217	931	23	26	7	3 428	2	4	1 070	9 516	6	2 561	12 083	
FR																		
GR																		
HU																	3 122	
IE													4 900				18 500	
IS																	3 837	
IT	1	189	3	123	442	147	450	146	727	218	194	22	3 092	28 728	0	19 978	48 706	
LI																		
LT		1	192	0	95	180	123	55	3	191	0	3	980	4 656	1	6 375	11 032	
LU	1		2	5	97	21	11	521	13	74	3	7	171	4 740	5 314	486	10 540	
LV	80	1		0	19	18	15	37	1	45	0	3	40	655	0	1 555	2 210	
MT																		
NL	41	150	21	33		492	622	666	168	648	40	65	7 022	40 804	35 946	28 081	104 831	
NO	104	12	74	3	323		244	63	53	5 817	11	29	1 408	16 001	3 208	5 463	24 672	
PL	7	14	4	0	275	35		5	1	117	0	10	282	17 238	8	3 567	20 813	
PT	0	770	0	0	0	0	0	0	0	0	0	0	2 187	5 668	0	1 019	6 687	
RO	0	13	0	0	105	25	4	10		50	0	130	120	6 794	0	3 879	10 673	
SE	38	66	58	19	499	4 391	216	92	43		10	23	3 676	22 009	3 435	9 579	35 023	
SI	0	17	0	0	14	3	7	3	0	24		4	32	1 123	3 990	754	5 867	
SK	0	5	0	0	8	3	10	0	0	6	0		52	1 014	0	180	1 194	
UK	0	1 223	0	1 349	2 349	2 192	3 172	409	297	487	0	1 483		128 372	0	185 588	313 960	

Source: Eurostat.

Table 53. Migration reported by country of origin, 2004

To																			
From	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI	
AT		171	965	672	15	910	5 644	143	18	369	215	507	330	1 875	94	23	949	23	
BE																			
BG																			
CH																			
CY	0	0	459	0		0	77	19	0	17	0	23	476	14	23	0	15	0	
CZ	330	95	397	68	21		961	29	6	64	59	323	50	35	51	4	208	0	
DE	18 528	4 936	10 099	16 864	302	9 079		3 062	788	18 010	2 696	20 846	20 517	17 157	2 489	278	36 273	66	
DK	233	451	66	535	12	178	2 618		136	1 813	365	1 432	212	154	267	1 473	851	8	
EE																			
ES	79	665	420	1 071	8	38	1 838	128	5		69	2 154	78	38	166	7	851	4	
FI	100	256	22	228	21	51	816	384	854	738		453	90	140	160	61	249	1	
FR																			
GR																			
HU																			
IE																			
IS																			
IT	594	1 314	77	5 643	14	80	11 835	150	8	1 912	140	3 262	269	150	367	14		23	
LI																			
LT	78	92	32	85	9	77	1 727	194	43	730	106	213	37	6	1 009	25	283	0	
LU	28	1 191	7	112	2	11	852	111	5	93	44	1 240	15	5	50	24	174	2	
LV	11	10	3	20	1	4	233	53	75	8	50	39	3	1	49	3	28	0	
MT																			
NL	551	9 467	72	907	40	260	9 552	507	31	3 616	313	3 442	503	377	591	44	1 077	2	
NO	61	122	31	125	9	36	735	3 147	55	807	1 004	382	47	49	58	460	140	0	
PL	404	130	4	59	2	41	12 646	50	0	201	6	300	75	9	83	19	300	1	
PT																			
RO	491	98	6	182	28	88	2 707	21	0	162	34	436	97	1 553	100	6	2 603	1	
SE	249	330	28	518	60	111	1 582	3 024	125	1 342	3 507	947	487	173	215	362	492	1	
SI	207	67	3	110	5	8	473	1	0	14	2	63	4	13	9	0	331	3	
SK	175	10	4	85	0	662	229	2	0	16	0	32	2	27	1	0	31	1	
UK	1 432	3 109	0	2 027	6 434	362	9 093	0	0	34 182	545	19 235	8 535	4 163		0	4 076	0	
To																			
From	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Unk	Rest	Total		
AT	82	45	45	11	396	76	1 983	187	3 244	396	329	1 555	925	22 197	31 398	23 222	76 817		
BE																	42 046		
BG																			
CH																	79 726		
CY	0	0	0	16	17	14	0	0	356	15	0	20	334	1 895	0	4 384	6 279		
CZ	21	6	13	0	128	33	1 011	31	114	32	13	21 152	379	25 634	11	9 173	34 818		
DE	2 356	1 670	1 695	130	9 781	1 811	104 538	9 098	19 839	4 168	2 528	10 248	18 529	368 381	62 830	266 421	697 632		
DK	623	114	324	17	564	2 899	656	125	134	4 710	28	76	4 286	25 360	3 063	16 594	45 017		
EE																			
ES	70	46	11	3	730	104	219	790	1 316	130	8	19	2 233	13 298	28 355	13 439	55 092		
FI	20	63	34	3	234	645	92	46	16	3 074	6	16	1 267	10 140	56	3 460	13 656		
FR																			
GR																			
HU																	3 820		
IE													4 100				16 600		
IS																	4 820		
IT	14	261	14	34	567	89	337	169	672	168	113	44	3 787	32 121	0	17 789	49 910		
LI																			
LT		21	159	0	132	241	137	90	3	307	2	10	3 525	9 373	3	5 789	15 165		
LU	0		3	2	102	4	23	575	7	77	0	11	172	4 942	5 564	405	10 911		
LV	152	4		0	11	25	19	2	0	72	1	1	113	991	0	1 753	2 744		
MT																			
NL	36	168	37	38		629	757	694	212	809	31	103	8 890	43 756	35 186	31 293	110 235		
NO	88	16	75	4	274		162	48	71	4 866	2	39	1 470	14 383	3 708	5 180	23 271		
PL	3	14	3	2	363	51		3	1	174	1	1	543	15 489	5	3 383	18 877		
PT																	10 680		
RO	1	29	0	1	131	13	9	24		62	0	54	184	9 121	0	3 961	13 082		
SE	40	111	48	32	440	4 211	299	94	50		16	31	3 878	22 803	3 506	10 277	36 586		
SI	0	29	0	1	21	6	0	1	1	44		4	61	1 481	6 012	776	8 269		
SK	0	1	0	0	8	2	13	0	2	3	1		70	1 377	0	209	1 586		
UK	0	439	0	1 033	4 444	778	872	3 262	1 243	2 783	0	0		108 047	0	202 342	310 389		

Source: Eurostat.

Table 54. Migration reported by country of origin, 2005

To																			
From	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI	
AT		238	1 045	684	21	980	6 770	165	20	420	259	612	339	2 276	78	36	1 062	21	
BE																			
BG																			
CH																			
CY	0	0	559	19		30	49	0	0	0	0	40	656	104	36	0	19	0	
CZ	40	7	452	4	0		99	2	0	5	2	35	4	4	4	0	13	0	
DE	17 535	4 402	8 899	18 224	226	7 108		2 694	522	16 059	2 172	17 957	16 884	16 452	2 041	295	28 579	74	
DK	231	446	62	564	35	218	2 527		112	1 681	357	1 303	202	192	258	1 484	663	2	
EE																			
ES	140	836	545	1 154	11	51	2 525	148	14		90	2 608	61	60	408	14	1 130	24	
FI	115	206	13	294	18	48	717	363	545	643		293	66	64	143	65	198	1	
FR																			
GR																			
HU																			
IE																			
IS																			
IT	603	1 419	141	5 301	10	141	11 793	166	17	2 375	84	3 735	286	159	348	51		11	
LI																			
LT	62	115	48	47	21	57	1 473	153	32	794	73	208	30	8	2 073	26	248	0	
LU	44	1 095	1	156	4	16	949	71	8	91	27	1 409	26	12	36	16	162	1	
LV	19	25	2	15	2	5	261	40	73	23	30	44	6	0	83	5	37	0	
MT																			
NL	734	10 603	112	1 083	53	360	10 245	467	47	4 131	319	3 957	646	409	659	70	1 222	5	
NO	66	109	32	132	17	41	656	2 941	63	589	767	424	66	37	76	457	127	1	
PL	308	149	26	75	6	49	12 317	58	0	265	8	295	76	13	405	18	413	3	
PT																			
RO	421	56	5	151	10	42	2 196	16	0	139	20	343	114	1 013	58	1	2 731	0	
SE	344	318	28	571	81	119	1 459	3 341	165	1 272	3 875	988	480	181	242	483	456	0	
SI	229	82	6	104	4	6	451	3	0	41	2	47	4	5	9	0	149	0	
SK	200	6	2	107	3	734	303	2	0	9	2	17	1	28	4	0	44	0	
UK	924	420	579	5 704	3 145	7 373	4 992	3 018	0	33 872	0	33 036	3 700	2 545		0	6 591	0	

To																		
From	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Unk	Rest	Total	
AT	136	46	62	9	451	101	2 574	232	3 480	368	429	1 924	964	25 802	17 463	25 385	68 650	
BE																		
BG																		
CH																	82 090	
CY	17	0	17	0	0	0	234	0	246	0	0	47	371	2 444	0	7 559	10 003	
CZ	0	0	4	1	15	0	138	1	178	2	2	1 935	39	2 986	2 269	18 810	24 065	
DE	2 335	1 740	1 440	113	8 762	1 817	105 491	7 249	20 159	3 568	1 756	9 209	17 396	341 158	43 932	243 309	628 399	
DK	630	171	312	23	563	2 894	742	122	152	5 074	32	101	4 016	25 169	3 407	17 293	45 869	
EE																		
ES	93	89	15	1	835	101	314	1 163	2 093	147	15	43	3 256	17 984	31 001	19 026	68 011	
FI	16	63	27	1	201	576	62	31	8	3 301	4	5	1 319	9 406	74	2 889	12 369	
FR																		
GR																		
HU																	3 658	
IE													4 400				17 000	
IS																	3 913	
IT	24	223	13	72	633	139	420	183	939	223	149	76	4 412	34 146	0	19 785	53 931	
LI																		
LT		42	192	2	137	237	144	64	6	299	2	4	4 223	10 820	1	4 750	15 571	
LU	3		7	2	97	12	47	546	23	86	3	14	182	5 146	5 104	591	10 841	
LV	104	1		0	16	35	16	1	2	47	0	0	189	1 081	0	1 369	2 450	
MT																		
NL	50	177	38	49		822	1 001	851	215	901	51	115	8 434	47 826	36 328	35 571	119 725	
NO	102	35	70	1	224		241	49	55	4 322	5	37	1 596	13 338	3 393	4 978	21 709	
PL	5	13	2	1	393	72		7	6	268	0	5	3 072	18 328	12	3 902	22 242	
PT																	10 800	
RO	0	27	0	0	69	13	8	15		29	0	19	112	7 608	0	3 330	10 938	
SE	26	155	49	31	457	4 445	350	112	58		21	30	3 894	24 031	3 220	10 867	38 118	
SI	0	43	1	0	28	2	2	3	1	20		10	71	1 323	6 535	747	8 605	
SK	0	2	0	0	9	3	6	0	0	12	6		74	1 574	0	1 210	2 784	
UK	1 612	0	273	695	6 836	2 120	3 832	3 084	0	1 497	0	1 759		127 607	0	200 801	328 408	

Source: Eurostat.

Table 55. Migration reported by country of origin, 2006

From	To																	
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI
AT		257	1 037	1 318	21	1 111	9 244	186	36	638	284	718	403	2 537	155	24	1 195	91
BE																		
BG																		
CH																		
CY	0	0	114	0	0	31	0	22	0	0	13	270	33	9	0	21	0	
CZ	16	8	673	2	1	63	1	0	0	6	23	1	0	2	0	13	0	
DE	18 604	4 540	7 152	22 240	271	7 201		3 115	518	16 734	2 146	17 790	15 653	15 620	2 330	290	26 807	100
DK	238	413	82	472	14	182	2 690		114	1 593	362	1 145	177	201	256	1 481	675	5
EE																		
ES	201	1 101	843	1 159	8	64	2 732	181	3		106	2 901	89	77	521	7	1 201	17
FI	87	187	11	260	24	37	711	429	660	528		334	47	61	240	60	199	0
FR																		
GR																		
HU																		
IE																		
IS																		
IT																		
LI																		
LT	39	73	54	36	2	56	1 114	131	29	766	54	196	25	5	1 313	26	212	0
LU	35	1 122	5	108	6	11	902	95	6	77	28	1 240	12	11	27	26	144	0
LV	27	15	1	27	16	8	487	39	101	32	70	142	5	6	189	5	104	2
MT																		
NL	675	12 008	126	1 354	72	406	11 006	599	46	4 418	363	3 842	649	389	713	58	1 422	2
NO	74	141	41	142	18	52	720	3 095	58	611	687	355	56	26	56	349	127	0
PL	853	307	8	148	40	90	14 950	175	3	625	44	579	155	12	2 307	79	891	1
PT																		
RO	581	59	4	178	27	57	3 086	24	0	330	14	529	134	900	51	3	3 393	0
SE	437	402	35	635	72	112	1 792	3 456	159	1 499	3 365	1 126	643	189	315	406	544	0
SI	470	81	5	164	3	17	530	12	0	41	4	52	4	9	20	3	198	8
SK	168	6	3	63	1	706	235	13	0	23	0	18	4	22	20	0	59	0
UK	843	2 575	0	2 660	4 555	4 019	12 590	1 033	1 265	35 277	479	25 962	4 275	2 057		0	4 122	0

From	To																
	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Unk	Rest	Total
AT	185	46	57	5	599	94	3 001	255	3 723	430	521	2 338	1 086	31 595	12 960	28 940	73 495
BE																	
BG																	
CH																	88 218
CY	7	13	33	0	0	0	81	0	118	0	0	42	171	978	631	5 265	6 874
CZ	0	0	0	0	9	0	96	0	276	4	1	629	22	1 846	2 079	29 538	33 463
DE	2 822	1 864	1 538	124	9 189	2 274	112 492	7 014	20 855	3 934	1 432	9 441	17 319	351 409	50 631	237 024	639 064
DK	783	166	323	28	615	2 827	1 126	129	165	6 413	22	128	3 538	26 363	3 008	17 415	46 786
EE																	
ES	250	99	20	2	920	169	525	1 289	3 433	209	12	69	3 509	21 717	40 439	80 140	142 296
FI	22	90	37	13	218	561	53	24	9	3 071	4	9	1 190	9 176	26	2 905	12 107
FR																	
GR																	
HU																	3 608
IE													9 556				38 866
IS																	4 577
IT																	
LI																	
LT		16	161	4	129	216	108	61	5	247	10	1	3 223	8 312	0	4 290	12 602
LU	5		2	1	84	3	21	472	9	66	5	8	171	4 702	3 973	326	9 001
LV	193	13		2	35	37	60	6	3	94	2	6	381	2 108	0	3 144	5 252
MT																	1 908
NL	71	234	46	31		884	1 437	982	275	1 194	57	214	9 032	52 605	41 442	38 423	132 470
NO	136	49	56	18	310		311	58	80	4 451	2	56	1 425	13 560	3 348	5 145	22 053
PL	8	35	2	1	925	251		9	1	595	3	17	17 996	41 110	6	5 820	46 936
PT																	
RO	0	34	0	4	77	2	11	48		37	0	30	227	9 840	0	4 357	14 197
SE	71	159	83	64	598	5 018	411	140	86		53	34	4 479	26 383	5 006	13 519	44 908
SI	3	28	1	3	37	4	4	4	0	48		6	88	1 847	11 054	848	13 749
SK	0	1	0	0	17	3	32	6	1	14	7		60	1 482	1 349	253	3 084
UK	3 887	0	1 673	0	8 324	1 804	11 488	2 961	3 163	1 708	0	0		136 720	0	232 750	369 470

Source: Eurostat.

Table 56. Migration reported by country of origin, 2007

From	To																	
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI
AT		238	992	1 856	29	1 152	10 305	257	30	651	283	719	343	2 858	161	49	1 339	131
BE																		
BG	48	48		21	26	28	385	1	0	772	2	59	372	4	11	1	190	0
CH																		
CY	14	0	65	0		59	60	0	0	18	30	38	586	0	28	0	97	0
CZ	37	12	549	12	0		201	8	1	5	7	45	11	7	4	0	29	0
DE	20 152	4 716	8 382	28 237	278	6 636		4 014	526	17 123	2 172	17 912	15 599	17 732	2 538	309	25 413	77
DK	201	342	65	536	21	168	2 599		85	1 485	345	1 135	143	168	228	1 503	546	2
EE																		
ES	283	1 294	840	1 447	20	107	3 601	234	12		115	3 986	103	140	551	6	1 740	10
FI	118	164	13	342	31	52	812	441	836	600		317	71	49	211	51	176	1
FR																		
GR																		
HU																		
IE																		
IS	14	9	9	21	2	26	226	1 878	15	69	45	50	2	9	7		178	0
IT																		
LI																		
LT	50	105	57	41	8	50	1 277	182	36	841	79	184	35	5	1 616	27	231	0
LU	40	1 145	10	129	3	24	1 346	90	11	77	50	1 309	36	34	25	26	177	0
LV	22	28	18	29	28	2	449	46	59	39	33	49	7	2	182	10	94	0
MT																		
NL	775	11 968	303	1 466	63	384	11 513	657	26	3 966	343	3 701	712	462	645	73	1 473	0
NO	69	95	40	159	25	56	763	2 804	71	549	600	296	42	40	41	295	129	0
PL	785	402	17	147	39	116	13 771	217	1	650	43	533	119	13	2 089	140	813	0
PT																		
RO																		
SE	235	354	58	673	105	137	1 729	4 307	149	1 336	3 076	992	586	206	301	533	369	1
SI	488	95	3	283	1	25	709	6	1	40	12	53	7	6	13	0	167	10
SK	173	5	2	45	2	775	342	2	0	18	0	26	6	22	38	0	42	0
UK	1 471	462	3 183	537	4 857	2 653	8 887	3 854	0	22 853	2 085	19 844	4 907	195		617	5 441	0

From	To																	
	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Unk	Rest	Total	
AT	140	70	52	18	544	123	3 403	212	3 627	471	556	2455	1 233	34 297	11 016	28 878	74 191	
BE																	91 052	
BG	0	4	0	2	59	7	9	25	1	11	1	1	198	2 286	0	672	2 958	
CH																	90 175	
CY	30	0	59	0	0	0	312	12	198	18	0	80	297	2 001	1 115	8 273	11 389	
CZ	6	0	2	0	25	1	96	2	333	5	3	802	31	2 234	2 088	16 178	20 500	
DE	2 917	2 002	1 439	120	10 071	3 346	120 791	6 988	24 054	4 509	1 457	8 472	17 942	375 924	27 345	233 585	636 854	
DK	615	114	216	34	647	2 830	1 335	91	139	6 400	42	103	2 858	24 996	1 851	14 719	41 566	
EE																		
ES	259	97	65	16	1 219	223	1 087	1 780	4 078	351	11	102	4 161	27 938	34 664	164 463	227 065	
FI	20	78	18	12	260	761	108	27	12	2 833	7	23	1 222	9 666	17	2 760	12 443	
FR																		
GR																		
HU																	4 500	
IE													6 576				42 538	
IS	113	40	51	1	35	345	1 642	62	11	458	48	101	225	5 692	56	1 589	7 337	
IT																		
LI																		
LT		28	153	2	136	261	92	42	9	237	6	11	3 659	9 460	6	4 387	13 853	
LU	13		11	7	113	16	24	537	12	69	16	17	146	5 513	4 744	417	10 674	
LV	120	17		0	25	48	18	7	2	81	1	1	393	1 810	0	2 373	4 183	
MT																	5 029	
NL	85	248	44	41		1 046	1 808	880	392	1 189	66	229	8 289	52 847	31 289	38 440	122 576	
NO	164	15	80	22	255		641	62	44	4 683	4	178	1 173	13 395	3 924	4 803	22 122	
PL	11	36	2	3	1 098	304		21	9	487	7	18	9 165	31 056	8	4 416	35 480	
PT																		
RO																	8 830	
SE	88	167	87	58	584	6 006	660	99	125		35	32	4 049	27 137	5 741	12 540	45 418	
SI	0	24	0	0	35	12	6	5	2	47		6	119	2 175	11 771	997	14 943	
SK	0	1	0	0	14	4	17	4	27	5	2		100	1498	0	283	1 781	
UK	947	0	0	332	2 742	3 856	18 293	1 154	150	7 761	0	2 791		119 872	0	197 715	317 587	

Source: Eurostat.

Table 57. Migration reported by country of origin, 2008

From	To																	
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	LI
AT		224	1 121	2 081	27	1 178	11 946	166	27	723	242	751	369	3 242	161	29	1 302	108
BE																		
BG	38	37		19	30	19	337	6	0	510	4	53	216	1	13	0	161	0
CH																		
CY	47	29	154	0		0	53	29	0	14	11	0	375	30	0	0	0	0
CZ																		
DE	24 049	5 081	15 864	35 061	356	8 082		4 549	774	19 613	2 485	21 546	17 537	22 497	2 729	374	28 319	128
DK	176	256	94	487	9	202	2 688		91	1 078	388	904	77	224	169	1 401	537	5
EE	23	14	21	11	4	7	203	21		39	2 743	46	8	7	109	3	21	0
ES	262	1 563	1 276	1 722	10	136	3 991	240	21		131	4 394	117	258	565	18	1 814	10
FI	90	206	20	373	28	45	797	534	806	591		318	65	109	185	48	205	0
FR																		
GR																		
HU																		
IE	70	184	134	32	55	812	1 560	111	358	924	124	1 653	79	514		0	919	0
IS																		
IT	1 042	1 650	611	6 539	33	282	9 140	227	25	4 750	224	5 043	307	346	800	23		105
LI																		
LT	49	114	47	61	15	69	1 349	296	40	917	64	206	37	9	1 983	19	253	0
LU																		
LV	34	49	18	60	19	5	610	61	67	66	56	98	6	3	1 183	10	91	0
MT																		
NL	748	11 629	538	1 516	62	461	11 754	562	41	4 021	319	3 617	689	566	548	85	1 309	0
NO	34	80	11	126	23	29	451	1 879	18	329	384	233	36	32	37	135	78	0
PL	1 262	871	186	332	94	285	17 951	809	5	1 344	122	1 483	383	50	5 760	300	2 175	0
PT																		
RO	345	35	3	120	10	23	1 788	17		238	9	431	85	354	4		1 098	
SE	216	382	102	625	71	126	1 790	4 754	174	1 129	3 336	990	450	207	267	349	405	
SI	676	106	103	356	4	57	2 005	7	3	50	12	131	10	46	22	7	362	10
SK	196	5	5	53	5	638	218	11	0	17	1	16	2	17	63	0	47	1
UK																		

From	To																
	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Unk	Total
AT	132	67	50	17	611	152	3 425	237	4 705	401	600	2 845	1 337	38 276	28 048	9 314	75 638
BE																	100 275
BG	1	2	0	2	40	8	2	17	0	9	2	2	177	1 706	406	0	2 112
CH																	86 130
CY	0	0	13	0	0	0	39	0	352	66	0	73	311	1 596	7 972	932	10 500
CZ																	6 027
DE	3 097	2 336	1 769	194	11 785	4 091	132 438	7 666	38 030	4 979	1 900	9 483	20 299	447 111	281 881	8 897	737 889
DK	494	100	194	30	524	2 418	2 264	114	251	4 528	35	174	2 193	22 105	14 202	2 049	38 356
EE	11	12	30	0	23	23	51	9	1	152	1	1	409	4 003	403	0	4 406
ES	248	158	56	9	1 598	308	1 188	2 113	5 854	401	26	125	5 186	33 798	38 278	194 384	266 460
FI	25	53	37	11	245	684	164	42	39	2 909	6	33	1 109	9 777	2 945	935	13 657
FR																	140 937
GR																	51 489
HU																	4 821
IE	3 638	19	2 078	77	582	20	9 400	267	1 322	284	23	1 253	10 637	37 129	20 078	2 982	60 189
IS																	9 144
IT	52	375	34	80	991	158	1 929	260	8 395	372	271	502	8 376	52 942	28 005	0	80 947
LI																	
LT		14	208	1	171	337	128	43	4	262	2	7	4 472	11 177	5 838	0	17 015
LU																	10 058
LV	113	15		3	38	54	48	12	22	132	3	1	669	3 546	2 461	0	6 007
MT																	6 597
NL	92	257	42	43		987	2 854	940	539	1 280	49	312	7 208	53 068	36 999	27 712	117 779
NO	53	24	14	5	225		389	26	31	3 036	3	86	840	8 647	3 249	1 080	12 976
PL	41	69	17	10	4 195	1 474		73	55	1 146	1	87	22 352	62 932	11 397	9	74 338
PT																	20 357
RO	1	33			74	3	1	27		7		7	130	4 843	3 896	0	8 739
SE	122	142	89	98	556	7 206	888	90	266		26	64	3 612	28 532	12 969	3 793	45 294
SI	10	20	1	0	77	17	51	9	47	107		223	159	4 688	7 406	15	12 109
SK	1	5	3	0	14	6	11	3	25	2	3		119	1 487	218	3 152	4 857
UK																	427 208

Source: Eurostat.

11. ANNEX 3: MIMOSA estimates, 2002-2007

Table 58. MIMOSA estimates, 2002

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT
AT		162	662	1 371	28	418	11 643	230	16	375	120	524	320	1 722	77	14	1 383
BE	204		63	417	31	93	3 589	436	12	1 598	179	5 880	190	85	170	20	2 669
BG	1 645	160		212	370	1 081	10 696	104	9	8 733	55	704	782	71	59	11	1 801
CH	1 497	401	134		48	270	13 603	678	18	4 089	325	7 222	330	164	276	26	19 037
CY	20	64	1 518	83		17	210	9	17	12	31	178	3 036	176	73	1	16
CZ	1 249	406	4 901	832	79		9 014	145	19	403	56	1 607	337	190	214	4	487
DE	11 048	3 238	6 158	19 187	224	1 837		2 537	435	7 737	1 012	14 054	14 184	11 640	1 868	116	16 804
DK	210	385	40	640	17	62	2 336		129	467	427	1 085	201	88	229	673	430
EE	36	28	8	37	21	12	801	168		61	1 633	92	10	17	31	15	84
ES	604	1 467	795	4 121	30	95	12 471	1 155	12		622	4 643	116	108	869	34	3 421
FI	266	250	9	521	14	52	1 781	284	406	408		427	78	148	154	25	374
FR	807	5 409	405	6 068	80	444	15 053	1 030	64	5 886	333		826	455	970	28	7 229
GR	502	165	346	223	2 715	67	12 865	189	11	255	83	737		76	60	1	1 016
HU	2 746	301	120	483	118	68	13 914	105	16	398	118	1 437	139		132	4	716
IE	155	515	69	582	47	70	1 803	267	18	870	181	1 326	123	44		3	480
IS	29	17	2	28	0	5	238	1 186	10	63	53	45	3	0	6		28
IT	1 628	2 852	268	21 717	33	343	21 733	675	2	4 512	269	5 892	595	314	305	23	
LI	26	2	1	36	0	1	65	19	0	9	1	25	2	2	0	4	
LT	116	39	9	83	24	63	3 343	598	86	1 101	78	222	13	9	142	55	195
LU	76	2 087	9	441	2	3	1 406	112	6	59	58	2 339	41	32	82	14	371
LV	79	16	16	70	70	18	1 775	326	653	145	63	571	5	11	38	11	189
MT	12	27	6	21	14	3	90	15	3	10	2	210	9	6	25	0	195
NL	688	9 863	72	1 973	47	344	11 299	634	15	2 305	270	3 651	508	312	525	32	1 455
NO	90	173	35	292	9	32	1 240	2 453	65	821	1 242	462	55	26	60	257	307
PL	2 954	3 312	178	2 842	507	2 168	81 629	689	11	4 007	113	6 110	1 479	170	13 079	160	5 740
PT	348	192	42	313	10	29	7 119	122	6	6 099	62	3 803	36	17	58	8	669
RO	4 960	465	650	576	370	659	19 856	208	18	46 306	39	3 357	888	2 081	270	10	26 767
SE	572	415	24	1 017	59	91	2 814	1 710	91	884	3 857	976	530	153	238	234	558
SI	456	89	9	663	6	22	1 923	26	0	66	2	114	42	26	7	1	378
SK	2 639	220	103	3 555	291	18 960	9 378	52	0	382	15	608	103	659	304	4	610
UK	1 095	1 528	602	4 990	2 138	683	11 887	2 610	181	18 724	1 031	20 148	4 955	2 455	11 904	117	7 154
EU27+4	36 758	34 247	17 256	73 394	7 403	28 010	285 574	18 769	2 329	116 786	12 330	88 448	29 935	21 256	32 225	1 901	100 570
Rest	58 365	39 693	10 391	52 686	4 395	58 636	390 425	18 085	1 842	183 034	9 091	164 260	31 074	17 222	11 438	609	223 743
Total	95 123	73 940	27 647	126 080	11 798	86 645	675 998	36 855	4 171	299 820	21 420	252 708	61 009	38 478	43 664	2 510	324 313

From	To																
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total
AT	34	15	37	6	7	590	68	1 743	211	1 653	318	441	600	1 220	26 005	21 855	47 860
BE	1	37	4 202	8	13	5 593	161	833	145	162	387	64	60	3 002	30 303	17 291	47 595
BG	1	11	5	3	13	459	102	330	46	1 272	168	10	309	2 041	31 262	20 625	51 887
CH	23	26	361	22	22	1 651	240	962	368	287	812	705	310	6 150	60 053	18 372	78 425
CY	0	0	0	0	39	30	9	68	9	1 224	59	0	6	2 216	9 122	24 216	33 339
CZ	0	13	16	22	14	410	64	436	111	1 933	151	24	2 828	3 594	29 562	157 832	187 394
DE	75	408	2 279	211	65	8 310	1 277	48 487	8 025	12 649	2 699	1 626	1 288	16 654	216 131	187 586	403 717
DK	13	188	73	83	13	485	2 626	325	94	80	4 250	0	61	1 639	17 350	11 227	28 576
EE	0	58	10	156	5	50	141	19	10	17	345	0	5	987	4 856	4 309	9 165
ES	25	78	146	11	8	2 948	615	1 152	1 798	3 154	1 166	24	103	12 754	54 548	53 861	108 410
FI	0	220	10	64	1	426	1 015	60	31	27	3 532	0	18	598	11 199	3 216	14 415
FR	10	129	5 159	53	121	3 220	417	2 907	3 082	1 097	877	69	299	16 538	79 064	78 202	157 266
GR	1	4	26	3	32	1 124	72	781	43	550	595	10	41	3 323	25 918	13 460	39 378
HU	1	9	42	14	9	571	82	169	88	1 684	274	24	633	2 605	27 021	26 438	53 459
IE	2	17	16	11	18	693	56	1 390	106	182	351	5	29	5 166	14 596	11 741	26 337
IS	0	13	0	22	6	102	495	110	15	4	485	20	6	365	3 356	448	3 804
IT	7	54	355	31	236	1 833	176	2 984	383	1 572	508	333	314	5 099	75 049	44 819	119 867
LI		0	0	0	0	7	0	10	2	3	0	5	1	0	222	90	312
LT	0		5	451	0	163	235	414	24	2	261	0	13	2 193	9 935	10 244	20 179
LU	0	2		0	9	180	11	47	972	24	93	0	3	596	9 075	906	9 981
LV	0	425	0		0	96	138	61	11	11	189	0	13	1 073	6 073	12 294	18 367
MT	0	0	0	0		43	15	8	8	7	29	10	6	483	1 256	2 301	3 557
NL	1	39	131	25	32		392	1 575	755	139	780	49	119	5 947	43 978	27 615	71 592
NO	1	50	5	22	5	445		461	77	68	6 374	0	70	1 458	16 656	5 988	22 644
PL	13	272	52	64	19	2 375	570		136	53	1 186	15	797	32 155	162 853	66 861	229 714
PT	1	0	2 676	8	9	1 726	80	81		89	178	10	22	3 715	27 528	14 429	41 957
RO	1	4	21	17	41	655	171	122	203		366	0	1 596	1 261	111 941	75 406	187 347
SE	1	112	57	72	54	710	3 699	1 090	110	73		73	58	2 810	23 144	9 768	32 912
SI	2	0	0	6	0	69	2	16	14	0	14		45	0	3 999	1 867	5 866
SK	5	2	26	8	0	267	98	172	47	145	76	5		4 010	42 743	10 521	53 264
UK	0	157	193	56	514	7 110	1 323	4 005	1 848	693	3 120	108	336		111 664	159 686	271 350
EU27+4	219	2 341	15 905	1 450	1 307	42 343	14 352	70 818	18 773	28 855	29 643	3 628	9 989	139 652	1 286 464	1 093 475	2 379 939
Rest	53	8 690	768	2 535	1 082	84 347	18 295	37 210	27 301	33 870	34 398	3 506	6 055	284 370	1 817 470		
Total	272	11 031	16 674	3 985	2 389	126 690	32 647	108 028	46 074	62 724	64 041	7 134	16 044	424 023	3 103 934		

Table 59. MIMOSA estimates, 2003

From	To																	
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	
AT		238	1 010	1 312	32	562	10 879	188	23	521	109	574	458	2 359	92	16	1 446	
BE	314		65	363	36	125	3 469	420	12	2 223	218	5 774	190	86	186	16	2 894	
BG	1 962	159		183	432	1 452	10 841	93	9	12 149	32	684	773	72	64	8	6 043	
CH	1 693	355	122		49	320	12 028	575	16	5 021	392	6 264	292	147	266	22	20 428	
CY	25	38	900	42		23	210	24	10	17	26	106	1 800	104	43	1	38	
CZ	1 411	429	5 179	759	93		7 485	166	20	561	56	1 699	356	201	226	15	1 352	
DE	14 380	3 279	7 155	16 708	261	2 467		2 306	423	10 764	956	13 519	12 842	10 943	1 713	124	19 058	
DK	239	376	60	570	19	83	2 177		98	649	440	982	169	88	194	699	415	
EE	43	27	8	31	25	16	766	121		84	1 531	86	9	16	32	14	152	
ES	723	2 577	1 396	6 248	35	128	11 842	1 192	22		720	8 156	203	189	1 527	34	3 030	
FI	295	276	4	482	17	69	1 782	301	350	568		319	63	108	124	24	411	
FR	871	5 339	412	5 211	93	597	14 660	1 065	62	8 188	370		814	455	1 042	30	6 864	
GR	546	157	339	184	3 170	90	10 477	199	10	355	75	687		74	62	2	942	
HU	3 049	303	124	423	138	91	12 099	122	16	554	90	1 419	139		144	6	1 158	
IE	162	536	74	527	55	94	1 654	219	18	1 211	173	1 352	127	47		4	431	
IS	39	13	2	22	0	7	221	1 103	9	88	62	37	2	2	5		78	
IT	1 715	3 447	380	24 542	39	461	19 162	641	2	6 277	248	7 150	514	395	317	32		
LI	21	2	1	30	0	1	53	8	0	13	0	24	2	2	2	0	16	
LT	141	110	15	192	28	85	2 795	502	73	1 532	52	308	32	15	594	106	579	
LU	67	2 327	10	424	2	4	1 397	140	6	83	40	2 608	46	35	92	14	359	
LV	80	0	11	104	82	24	1 589	273	239	202	75	152	11	0	60	33	285	
MT	5	26	6	18	16	5	79	13	3	14	1	201	9	6	27	1	270	
NL	770	9 878	104	1 672	55	462	10 522	587	19	3 207	283	3 589	513	257	488	29	1 319	
NO	128	124	35	284	11	43	1 163	2 366	75	1 142	1 173	468	53	58	89	212	341	
PL	3 494	2 810	151	2 081	592	2 912	84 827	712	9	5 575	105	5 184	1 255	144	11 096	755	16 209	
PT	388	192	43	273	12	39	6 224	122	6	8 485	66	3 729	36	17	64	37	702	
RO	6 081	445	640	479	432	885	19 448	178	17	64 416	55	3 144	847	2 017	281	13	110 662	
SE	557	450	41	832	69	122	2 746	1 937	108	1 229	4 074	1 036	559	139	225	243	632	
SI	437	93	5	383	7	30	1 660	22	0	91	7	110	19	12	5	3	582	
SK	2 738	186	87	2 596	340	25 467	8 638	60	0	531	14	514	87	558	257	15	1 118	
UK	1 386	1 569	618	4 420	2 496	917	10 669	2 654	185	26 047	1 083	20 676	5 085	2 520	12 216	116	7 341	
EU27+4	43 759	35 760	18 997	71 394	8 637	37 581	271 562	18 309	1 842	161 795	12 526	90 551	27 304	21 065	31 531	2 623	205 157	
Rest	62 317	41 056	10 863	48 389	5 132	78 762	336 520	17 094	1 799	254 619	8 541	168 165	32 164	17 340	12 429	624	453 924	
Total	106 076	76 816	29 859	119 783	13 769	116 343	608 083	35 403	3 641	416 414	21 067	258 716	59 468	38 406	43 960	3 246	659 080	

From	To																	
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total	
AT	18	30	38	11	8	532	63	1 865	242	3 278	333	269	675	1 364	28 544	28 959	57 503	
BE	1	22	4 380	31	13	5 584	151	891	146	164	399	93	67	3 357	31 689	18 288	49 977	
BG	1	6	5	8	13	501	91	353	46	1 278	156	15	348	2 282	40 058	20 882	60 940	
CH	19	45	332	39	19	1 319	287	909	328	257	841	511	308	6 070	59 274	17 482	76 756	
CY	0	4	0	0	23	33	11	72	5	726	44	5	7	2 478	6 816	14 355	21 171	
CZ	0	24	16	6	15	348	57	467	117	2 042	123	34	3 184	4 019	30 458	166 783	197 242	
DE	52	554	2 375	220	85	8 270	1 243	51 881	6 298	13 706	2 872	1 185	1 450	18 621	225 712	180 819	406 531	
DK	6	175	76	61	10	495	2 317	348	128	91	4 603	24	69	1 833	17 493	11 415	28 908	
EE	0	114	11	192	5	55	88	21	9	17	311	0	6	1 103	4 893	4 113	9 006	
ES	44	183	153	6	14	2 917	552	1 232	3 159	5 541	1 234	29	116	14 261	67 462	94 610	162 072	
FI	0	69	11	106	2	378	759	64	29	8	3 395	0	20	669	10 702	2 880	13 582	
FR	9	86	5 377	33	117	3 048	374	3 111	3 063	1 098	931	113	336	18 492	82 259	84 346	166 605	
GR	1	17	27	11	30	921	79	836	42	531	585	29	47	3 715	24 241	13 193	37 433	
HU	1	11	44	6	9	520	59	181	89	1 720	244	29	713	2 913	26 413	26 890	53 303	
IE	2	84	16	17	19	642	62	1 487	111	192	230	0	33	5 776	15 355	12 299	27 655	
IS	0	4	0	14	3	65	319	117	23	5	474	0	7	408	3 130	631	3 761	
IT	0	101	370	47	300	1 734	187	3 193	356	1 772	473	240	354	5 701	80 150	48 699	128 850	
LI		0	0	0	0	0	1	10	2	3	1	0	2	0	193	94	286	
LT	0		5	406	0	181	215	443	118	6	232	0	15	2 452	11 232	13 719	24 951	
LU	0	2		0	10	173	18	50	1 084	27	78	10	4	667	9 777	1 011	10 788	
LV	0	382	0		0	77	128	65	201	5	182	0	15	1 200	5 475	8 456	13 930	
MT	0	2	0	0		46	4	9	8	6	33	5	7	540	1 359	2 362	3 721	
NL	0	86	136	22	35		360	1 685	709	179	707	39	134	6 649	44 498	29 878	74 376	
NO	0	82	5	47	3	497		493	69	58	5 807	5	79	1 630	16 543	6 005	22 548	
PL	11	244	54	42	16	2 199	476		115	45	1 134	10	897	35 953	179 107	56 725	235 832	
PT	1	28	2 789	6	9	1 690	60	86		90	143	15	24	4 154	29 530	14 974	44 503	
RO	1	9	22	3	38	734	152	131	196		352	10	1 797	1 410	214 894	74 205	289 100	
SE	1	125	60	111	21	666	3 679	1 167	101	47		88	66	3 142	24 273	10 493	34 766	
SI	2	2	0	6	0	63	6	17	7	0	22		50	0	3 640	1 760	5 400	
SK	4	11	27	14	0	199	80	184	40	123	56	24		4 483	48 453	8 903	57 356	
UK	0	263	202	97	528	6 131	1 134	4 285	1 897	711	3 022	78	378		118 724	163 877	282 601	
EU27+4	174	2 766	16 534	1 561	1 346	40 018	13 010	75 654	18 738	33 725	29 017	2 862	11 205	155 343	1 462 346	1 139 106	2 601 452	
Rest	53	7 448	801	2 251	1 097	69 169	16 155	39 814	28 142	35 584	34 389	3 046	6 817	317 963	2 112 465			
Total	227	10 214	17 335	3 812	2 443	109 187	29 165	115 468	46 881	69 309	63 406	5 907	18 022	473 306	3 574 812			

Table 60. MIMOSA estimates, 2004

From	To																		
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT		
AT		230	1 299	1 382	43	500	10 887	195	24	531	116	683	444	2 524	127	19	911		
BE	374		77	406	48	111	3 516	378	14	2 263	220	6 988	212	99	222	20	1 882		
BG	1 970	189		209	567	1 293	9 365	99	10	12 371	56	845	883	84	78	10	5 749		
CH	2 088	456	160		70	307	13 830	722	21	5 508	482	8 348	360	186	350	30	12 705		
CY	21	54	1 274	57		20	208	10	14	17	28	149	2 547	148	61	1	65		
CZ	1 766	436	5 269	741	122		7 851	178	21	571	56	1 728	362	204	230	18	1 233		
DE	17 492	3 501	7 163	18 277	342	2 197		2 396	559	10 961	1 070	14 786	14 552	12 169	1 765	152	20 129		
DK	256	332	49	602	25	74	2 165		100	661	449	1 054	156	113	197	858	403		
EE	70	30	9	33	33	14	694	115		86	2 197	99	10	18	36	17	165		
ES	792	2 208	1 196	5 136	46	114	11 647	1 187	18		730	6 988	174	162	1 308	42	2 886		
FI	336	288	25	392	22	62	1 802	281	960	579		509	101	157	180	29	307		
FR	1 064	6 315	497	5 907	122	532	14 851	1 113	74	8 337	344		923	530	1 263	37	5 319		
GR	506	182	400	205	4 156	80	8 799	185	12	362	94	825		84	74	2	776		
HU	3 712	361	151	483	180	81	14 544	163	19	564	132	1 752	159		176	7	873		
IE	179	677	95	638	72	83	1 338	188	23	1 233	109	1 770	154	58		5	646		
IS	27	15	2	23	0	6	212	1 229	10	89	51	41	2	2	6		37		
IT	1 781	3 203	188	21 019	51	410	17 319	681	20	6 391	273	7 952	656	366	895	39			
LI	79	3	1	36	0	1	55	9	0	13	6	31	2	2	2	0	10		
LT	213	198	69	280	36	76	4 013	674	93	1 560	105	458	80	13	2 171	130	702		
LU	79	2 477	15	356	3	4	1 606	123	10	84	69	2 579	31	10	104	17	275		
LV	142	54	16	166	108	21	1 956	282	408	206	95	212	16	5	266	40	270		
MT	14	31	7	20	22	4	68	11	3	15	5	249	10	7	32	1	117		
NL	889	10 073	77	1 475	72	412	10 531	597	33	3 265	303	3 662	535	401	629	36	1 337		
NO	128	134	34	210	14	39	1 112	2 262	60	1 163	1 151	420	52	54	64	261	185		
PL	8 355	2 548	137	1 811	776	2 594	112 605	904	8	5 676	159	4 701	1 138	131	10 064	927	16 243		
PT	345	226	52	309	16	35	5 033	149	7	8 640	63	4 564	41	20	77	45	561		
RO	6 294	526	772	543	567	788	19 262	190	20	65 594	69	3 855	961	2 350	341	16	94 966		
SE	544	361	31	867	91	108	2 817	2 269	137	1 252	4 230	1 037	533	190	236	299	510		
SI	704	156	7	392	9	27	1 949	24	0	93	1	147	9	30	21	4	397		
SK	4 089	247	116	3 309	446	22 683	9 475	72	0	541	17	683	116	741	342	19	1 118		
UK	1 435	1 551	611	4 193	3 273	817	10 283	2 481	183	26 523	1 055	20 441	5 027	2 491	12 077	142	6 474		
EU27+4	55 744	37 064	19 797	69 477	11 331	33 494	299 791	19 169	2 864	165 149	13 732	97 559	30 248	23 349	33 392	3 222	177 251		
Rest	68 156	46 011	11 835	50 711	6 730	70 150	296 131	16 449	2 011	259 276	10 253	181 182	32 840	18 261	13 114	766	441 516		
Total	123 901	83 075	31 632	120 188	18 061	103 645	595 922	35 618	4 875	424 425	23 986	278 741	63 088	41 610	46 507	3 988	618 767		

From	To																		
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total		
AT	31	63	71	22	15	546	91	2 512	252	4 367	252	318	1 157	1 638	31 251	31 263	62 514		
BE	2	56	4 326	25	14	5 537	155	1 200	167	186	395	39	115	4 031	33 079	19 539	52 618		
BG	1	108	22	0	15	436	88	476	53	1 480	119	15	595	2 740	39 926	21 848	61 774		
CH	25	77	368	21	23	1 388	230	1 319	412	321	724	532	568	7 851	59 481	20 245	79 726		
CY	0	4	0	0	33	50	15	98	8	1 027	55	5	12	2 975	8 957	20 315	29 271		
CZ	0	69	27	14	16	590	93	629	119	2 078	120	24	5 455	4 825	34 846	169 668	204 514		
DE	47	1 356	2 490	473	92	9 053	1 343	69 893	6 453	14 071	2 957	1 288	2 484	22 359	261 872	188 966	450 838		
DK	6	192	60	145	13	473	2 351	469	92	99	4 674	5	118	2 201	18 391	12 218	30 609		
EE	0	67	33	242	5	152	126	28	10	18	421	0	10	1 325	6 063	4 035	10 099		
ES	38	539	71	28	12	2 950	583	1 660	2 707	4 747	1 174	10	199	17 124	66 477	81 064	147 541		
FI	1	116	5	136	3	363	526	86	52	18	3 035	10	34	803	11 221	3 891	15 112		
FR	11	168	5 443	56	130	2 997	373	4 191	3 535	1 262	982	88	576	22 203	89 244	90 350	179 594		
GR	1	43	22	14	33	953	60	1 126	47	598	491	24	80	4 461	24 695	13 346	38 041		
HU	1	11	22	14	10	678	73	244	104	1 993	267	34	1 222	3 498	31 526	28 374	59 900		
IE	3	405	49	70	22	515	65	2 004	137	236	237	10	57	6 935	18 012	13 376	31 388		
IS	0	13	0	6	4	82	243	158	26	6	428	0	12	490	3 221	702	3 922		
IT	56	201	365	64	83	1 653	185	4 302	412	1 638	496	392	606	6 846	78 540	43 363	121 903		
LI		0	0	0	0	4	2	14	2	3	3	0	3	0	281	98	380		
LT	0		16	685	0	475	425	597	194	6	444	0	26	2 944	16 680	12 458	29 138		
LU	4	2		0	4	161	13	67	1 196	15	89	24	7	801	10 224	842	11 067		
LV	0	317	22		0	162	110	88	11	0	218	0	25	1 441	6 658	9 532	16 190		
MT	0	2	0	0		53	3	12	9	7	26	0	11	648	1 389	2 513	3 902		
NL	2	93	120	22	40		488	2 271	738	226	823	69	229	7 984	47 433	33 295	80 728		
NO	0	218	5	67	4	468		664	53	78	4 884	5	135	1 957	15 879	5 694	21 573		
PL	10	252	49	75	14	5 296	1 281		104	41	2 521	15	1 537	43 170	223 143	51 449	274 592		
PT	2	101	2 991	14	10	1 408	75	116		104	171	5	42	4 987	30 209	16 052	46 260		
RO	2	9	38	8	43	742	185	176	226		332	24	3 080	1 693	203 671	75 457	279 128		
SE	1	185	87	89	35	653	3 501	1 572	103	55		69	112	3 773	25 745	11 258	37 003		
SI	7	4	11	3	2	77	8	23	2	2	41		86	0	4 239	1 811	6 050		
SK	5	11	27	6	0	493	112	248	53	163	119	15		5 383	50 647	11 826	62 473		
UK	0	1 167	196	309	522	5 645	1 343	5 773	1 875	703	2 885	103	648		120 225	162 013	282 238		
EU27+4	255	5 849	16 935	2 606	1 198	44 055	14 146	102 015	19 151	35 548	29 383	3 123	19 240	187 087	1 573 226	1 156 863	2 730 088		
Rest	55	5 899	665	2 037	1 106	54 753	15 397	53 637	30 192	36 032	32 332	4 054	11 680	381 786	2 155 018				
Total	310	11 748	17 600	4 643	2 303	98 808	29 544	155 652	49 344	71 580	61 715	7 177	30 920	568 873	3 728 244				

Table 61. MIMOSA estimates, 2005

From	To																		
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT		
AT		320	1 407	1 285	47	564	11 123	187	27	558	140	824	456	3 064	105	23	835		
BE	369		89	420	53	126	3 450	357	16	2 378	224	7 979	237	111	271	24	1 839		
BG	1 744	225		222	629	1 458	7 294	82	12	12 999	45	991	1 012	97	97	12	3 570		
CH	2 025	514	180		76	339	13 929	656	23	5 654	495	9 300	391	204	416	34	11 988		
CY	32	86	2 029	83		23	226	15	22	18	19	238	4 058	235	97	1	55		
CZ	1 685	302	3 642	468	135		7 492	188	14	600	53	1 194	250	141	159	21	897		
DE	20 288	3 122	6 312	18 038	380	2 478		2 681	370	11 516	1 111	12 736	11 975	11 669	1 448	180	19 690		
DK	298	328	46	580	28	83	2 158		82	694	414	959	149	141	190	1 018	315		
EE	58	33	10	33	36	16	625	137		90	2 445	109	11	19	43	20	165		
ES	884	2 726	1 477	5 791	51	129	11 322	1 327	23		748	8 627	215	200	1 615	50	2 742		
FI	325	232	15	461	24	70	1 754	263	613	608		330	74	72	161	34	295		
FR	1 181	7 679	604	6 414	135	600	15 040	1 223	90	8 760	435		1 083	628	1 619	43	5 929		
GR	482	204	447	204	4 613	91	7 836	161	13	380	116	911		91	87	2	839		
HU	4 338	423	177	505	200	92	15 507	223	22	593	132	2 027	180		218	9	874		
IE	192	829	116	699	80	94	1 254	189	28	1 296	129	2 143	182	70		6	570		
IS	53	16	3	23	0	7	151	1 142	11	94	44	46	2	3	6		62		
IT	1 969	3 459	344	18 032	56	463	16 386	667	41	6 716	271	9 105	697	388	848	46			
LI	56	3	1	36	0	1	36	7	0	14	1	34	2	2	2	0	31		
LT	300	247	103	141	40	85	4 421	800	69	1 639	87	448	65	17	4 461	154	756		
LU	70	2 277	2	453	3	4	1 944	91	17	89	40	2 930	54	25	75	20	254		
LV	102	136	11	114	119	24	2 023	314	397	216	134	239	33	0	451	48	334		
MT	11	34	8	19	24	5	90	22	4	15	4	266	10	7	37	1	121		
NL	1 119	11 281	119	1 608	80	465	11 242	543	50	3 431	348	4 210	687	435	701	43	1 235		
NO	122	120	35	202	16	44	1 071	2 147	69	1 222	896	466	73	41	84	309	151		
PL	8 512	3 002	162	1 949	862	2 926	128 673	1 491	10	5 964	165	5 539	1 341	154	11 858	1 099	15 253		
PT	397	259	59	315	18	39	4 534	147	9	9 078	51	5 157	45	22	93	54	626		
RO	6 265	595	872	549	629	889	18 908	253	23	68 921	75	4 308	1 049	2 592	406	19	65 655		
SE	606	348	31	873	101	122	2 657	2 482	181	1 315	4 681	1 082	526	198	265	354	539		
SI	688	191	14	339	10	30	1 223	39	0	98	8	110	9	12	21	4	536		
SK	4 416	434	203	5 304	495	25 586	9 581	107	0	568	44	1 199	203	1 301	600	22	1 232		
UK	1 557	1 641	646	4 051	3 633	921	10 196	2 498	194	27 869	1 107	21 628	5 319	2 636	12 778	169	5 929		
EU27+4	60 143	41 068	19 162	69 211	12 574	37 773	312 144	20 438	2 431	173 392	14 460	105 137	30 389	24 576	39 212	3 820	143 318		
Rest	65 288	49 611	12 131	49 059	7 468	79 128	248 767	16 949	2 101	272 427	10 948	195 255	34 497	18 454	14 172	908	312 596		
Total	125 432	90 678	31 293	118 270	20 042	116 901	560 910	37 387	4 532	445 820	25 407	300 393	64 886	43 031	53 384	4 728	455 914		

From	To																		
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total		
AT	28	47	38	22	12	540	96	2 477	312	4 685	253	450	2 440	1 570	33 937	34 175	68 112		
BE	2	67	4 271	25	17	5 830	173	1 184	196	211	375	34	243	3 863	34 432	21 185	55 617		
BG	1	75	5	3	18	434	95	469	65	1 722	101	0	1 256	2 626	37 361	23 553	60 914		
CH	28	75	250	66	27	1 216	274	1 271	474	355	881	789	1 171	7 351	60 452	21 638	82 090		
CY	0	13	0	8	53	58	8	96	12	1 636	40	20	25	2 851	12 058	32 363	44 421		
CZ	0	97	44	22	11	576	82	620	83	1 436	133	29	11 509	4 624	36 508	117 269	153 777		
DE	52	1 505	2 735	526	80	9 536	1 707	68 929	5 142	14 298	2 944	1 557	5 241	21 426	259 676	172 573	432 249		
DK	1	183	22	145	17	444	2 354	463	90	112	5 008	15	249	2 109	18 694	12 733	31 427		
EE	0	52	0	373	6	109	171	27	12	19	424	0	22	1 269	6 332	4 041	10 373		
ES	47	776	158	39	15	3 012	612	1 637	3 341	5 861	1 254	39	419	16 409	71 544	100 073	171 617		
FI	1	60	44	192	1	400	483	85	35	9	3 282	0	73	770	10 765	3 249	14 014		
FR	13	166	5 704	100	164	3 151	470	4 133	4 380	1 503	1 047	157	1 215	21 276	94 944	98 218	193 161		
GR	1	37	54	8	38	1 020	76	1 110	53	654	524	10	169	4 275	24 506	14 076	38 583		
HU	1	6	33	8	12	709	86	240	124	2 285	322	29	2 577	3 352	35 304	30 434	65 738		
IE	3	912	38	184	28	530	72	1 976	171	283	230	10	120	6 646	19 079	14 695	33 774		
IS	0	37	5	11	4	51	238	156	29	6	450	10	25	469	3 155	773	3 927		
IT	27	241	436	97	176	1 793	183	4 243	446	2 289	508	470	1 278	6 560	78 234	48 229	126 463		
LI		0	0	3	0	3	2	14	2	3	0	0	6	0	261	102	363		
LT	0		0	735	4	400	636	588	138	13	709	0	55	2 821	19 931	10 222	30 153		
LU	2	9		14	4	132	23	66	1 136	48	90	20	14	767	10 672	1 229	11 901		
LV	0	420	11		0	158	142	87	5	11	249	0	53	1 381	7 212	7 444	14 656		
MT	0	0	16	3		30	1	11	10	8	26	0	24	621	1 428	2 566	3 995		
NL	5	103	174	36	52		657	2 239	905	229	955	64	484	7 651	51 153	37 847	89 000		
NO	1	224	33	50	1	433		655	54	60	4 317	0	284	1 875	15 055	5 472	20 528		
PL	12	308	98	64	17	6 966	2 658		123	48	3 516	20	3 242	41 368	247 398	60 620	308 018		
PT	2	95	3 040	19	12	1 313	98	114		116	195	5	88	4 779	30 780	16 716	47 496		
RO	2	15	33	3	50	584	186	174	260		374	5	6 498	1 623	181 814	78 545	260 360		
SE	0	265	82	189	34	686	3 747	1 550	123	64		64	237	3 615	27 017	11 904	38 921		
SI	0	9	5	0	0	97	11	23	7	2	41		182	0	3 711	1 744	5 454		
SK	9	15	54	3	0	538	109	245	92	286	99	29		5 159	57 934	20 758	78 692		
UK	0	2 570	278	356	552	5 124	1 249	5 693	1 984	743	2 738	118	1 366		125 543	171 418	296 961		
EU27+4	239	8 385	17 661	3 305	1 405	45 873	16 698	100 577	19 804	38 996	31 085	3 943	40 566	179 104	1 616 890	1 175 867	2 792 757		
Rest	60	6 242	763	1 973	1 290	51 041	15 586	52 897	32 529	37 454	33 848	3 511	24 644	365 848	2 017 447				
Total	299	14 627	18 424	5 279	2 695	96 915	32 284	153 474	52 333	76 450	64 933	7 453	65 210	544 952	3 634 337				

Table 62. MIMOSA estimates, 2006

To																			
From	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT		
AT		346	1 396	2 285	30	638	11 900	246	48	652	128	967	543	3 415	209	27	1 144		
BE	316		97	425	34	142	3 327	379	18	2 780	242	8 848	245	122	318	27	2 321		
BG	1 545	254		226	400	1 649	6 189	74	13	15 195	50	1 106	1 053	107	115	14	4 291		
CH	2 151	535	182		45	360	14 440	748	23	6 213	429	9 581	376	208	454	37	14 944		
CY	20	59	1 394	53		26	217	16	15	21	24	164	2 788	162	67	1	44		
CZ	1 590	419	5 064	600	86		6 846	218	20	702	84	1 661	348	196	221	24	992		
DE	21 697	3 220	5 073	20 315	242	2 803		3 201	367	13 463	1 162	12 618	11 102	11 079	1 653	209	18 920		
DK	222	304	60	448	18	94	2 072		84	812	418	843	130	148	188	1 177	391		
EE	55	36	10	32	23	18	502	147		106	3 240	117	11	20	49	23	142		
ES	891	5 704	3 090	11 181	33	146	11 496	1 321	48		832	18 050	449	418	3 379	58	3 020		
FI	356	210	12	377	16	79	1 604	326	742	711		376	53	69	270	40	347		
FR	1 220	8 528	651	6 441	86	678	15 438	1 257	98	10 241	483		1 110	681	1 881	50	6 335		
GR	432	210	448	191	2 937	103	7 241	180	14	444	95	930		92	94	3	893		
HU	4 569	450	183	487	127	104	15 582	231	23	693	102	2 136	177		242	10	905		
IE	173	972	132	740	51	106	1 394	193	32	1 515	156	2 484	197	80		7	532		
IS	41	17	3	23	0	8	165	1 202	12	110	82	50	3	3	7		51		
IT	1 977	3 240	295	17 340	36	523	16 274	747	16	7 851	344	7 524	616	366	591	54			
LI	47	3	1	33	0	1	51	7	0	16	1	34	2	2	3	0	16		
LT	282	157	116	100	26	96	3 983	993	62	1 916	107	422	54	11	2 826	178	558		
LU	92	2 334	10	289	2	5	2 111	110	12	103	63	2 579	25	23	56	23	315		
LV	85	82	5	189	76	27	1 691	377	549	253	110	772	27	33	1 028	55	270		
MT	18	37	9	19	15	5	119	25	4	18	5	287	10	8	42	1	176		
NL	1 013	12 776	134	1 855	51	525	11 362	672	49	4 011	322	4 088	691	414	759	50	1 336		
NO	112	155	45	201	10	49	962	2 224	64	1 428	799	390	62	29	62	358	246		
PL	7 220	6 336	341	3 795	548	3 309	132 299	2 672	20	6 972	263	11 689	2 829	326	25 023	1 271	13 361		
PT	375	280	62	308	11	44	4 560	180	9	10 612	79	5 518	45	23	105	62	640		
RO	5 633	654	931	545	401	1 006	19 277	244	24	80 569	121	4 683	1 063	2 777	467	23	74 512		
SE	714	440	38	896	64	138	2 572	2 598	174	1 538	4 086	1 233	704	207	345	409	560		
SI	787	189	12	493	6	34	935	39	0	114	8	121	9	21	47	5	473		
SK	4 321	480	225	5 423	315	28 934	9 254	117	0	664	18	1 329	225	1 441	664	26	1 020		
UK	1 510	1 846	727	4 206	2 313	1 042	10 432	2 316	218	32 578	1 185	24 332	5 984	2 965	14 376	195	6 725		
EU27+4	59 462	50 275	20 748	79 517	8 002	42 692	314 295	23 061	2 761	202 300	15 037	124 933	30 931	25 443	55 538	4 415	155 479		
Rest	47 706	55 520	12 509	48 069	4 754	89 482	211 637	17 427	2 194	318 468	11 530	232 019	35 969	20 429	15 809	1 050	357 945		
Total	107 168	105 795	33 257	127 586	12 756	132 174	525 932	40 488	4 955	520 768	26 566	356 952	66 900	45 872	71 347	5 465	513 423		

To																			
From	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total		
AT	123	39	49	36	7	617	111	2 858	343	5 012	324	827	3 270	1 673	39 263	38 961	78 224		
BE	2	101	3 296	78	16	6 420	163	1 366	215	233	429	113	326	4 116	36 512	25 090	61 603		
BG	1	45	5	6	17	471	72	541	71	1 918	119	0	1 684	2 798	40 030	26 952	66 982		
CH	25	71	150	58	24	1 528	283	1 378	482	365	832	455	1 475	7 363	65 215	23 003	88 218		
CY	0	11	5	3	36	66	14	111	8	1 124	77	20	34	3 038	9 617	22 240	31 857		
CZ	0	56	5	36	15	624	115	716	115	1 997	209	24	15 425	4 927	43 335	163 065	206 400		
DE	71	1 240	2 479	690	88	10 883	2 097	79 514	4 975	14 792	4 090	1 283	7 024	22 830	279 181	168 116	447 296		
DK	4	147	93	153	21	509	2 298	534	95	121	6 432	15	334	2 247	20 411	12 823	33 234		
EE	0	43	16	267	5	91	198	32	12	21	466	0	29	1 352	7 064	4 418	11 482		
ES	97	789	136	72	31	3 521	716	1 888	6 991	12 262	1 459	88	562	17 484	106 212	209 378	315 589		
FI	0	52	16	120	15	351	471	98	27	10	3 092	5	97	820	10 760	3 267	14 027		
FR	13	164	5 050	128	155	3 505	510	4 767	4 757	1 648	1 216	176	1 629	22 671	101 566	115 725	217 291		
GR	1	26	22	8	33	1 227	75	1 281	54	667	640	5	226	4 555	23 126	15 242	38 368		
HU	1	9	16	14	11	693	106	277	129	2 404	521	24	3 454	3 572	37 253	34 231	71 484		
IE	3	1 652	76	340	28	492	63	2 279	196	327	310	5	160	7 081	21 777	17 317	39 095		
IS	0	24	0	14	4	64	251	180	31	7	475	5	34	500	3 366	844	4 210		
IT	23	263	316	139	199	2 053	217	4 894	399	1 818	789	485	1 713	6 990	78 091	46 278	124 369		
LI		0	0	0	0	2	1	16	2	3	0	0	8	0	249	117	367		
LT	0		0	827	9	313	1 088	679	131	11	889	0	74	3 006	18 911	9 232	28 143		
LU	0	24		8	2	177	11	77	982	19	84	20	18	817	10 391	678	11 069		
LV	11	369	22		11	136	240	100	33	16	370	0	71	1 471	8 477	17 096	25 573		
MT	0	0	0	6		79	9	13	10	9	26	10	32	662	1 653	2 924	4 578		
NL	2	101	158	89	33		741	2 583	1 045	293	1 319	69	649	8 152	55 342	40 881	96 224		
NO	0	246	5	83	20	507		755	64	88	4 489	5	381	1 998	15 836	5 656	21 492		
PL	25	270	120	181	36	8 576	6 014		260	102	6 409	5	4 345	44 079	288 695	127 923	416 618		
PT	2	54	2 817	39	11	1 771	90	132		124	211	15	118	5 092	33 390	19 196	52 586		
RO	2	13	33	11	47	750	190	201	280		348	5	8 708	1 729	205 244	87 507	292 751		
SE	0	203	60	186	70	822	4 230	1 788	153	94		49	318	3 852	28 544	14 809	43 353		
SI	19	6	0	3	7	122	11	26	9	0	62		244	0	3 806	1 979	5 785		
SK	10	9	0	17	0	695	261	283	102	317	149	39		5 497	61 833	22 995	84 829		
UK	0	3 295	191	682	621	5 797	1 302	6 567	2 232	836	3 295	137	1 831		139 736	192 852	332 587		
EU27+4	433	9 319	15 138	4 293	1 571	52 861	21 949	115 935	24 204	46 639	39 131	3 883	54 271	190 373	1 794 888	1 470 795	3 265 682		
Rest	62	7 340	795	3 526	1 180	53 385	14 980	61 020	36 091	40 042	56 407	3 143	33 027	389 826	2 183 340				
Total	494	16 658	15 933	7 819	2 751	106 246	36 929	176 955	60 295	86 681	95 538	7 026	87 298	580 199	3 978 228				

Table 63. MIMOSA estimates, 2007

From	To																	
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	
AT		320	1 335	3 785	37	977	12 728	256	40	743	159	968	462	3 848	217	25	1 144	
BE	376		110	566	41	217	3 394	360	20	3 168	278	10 523	282	134	391	12	2 321	
BG	2 525	303		310	490	2 526	16 737	226	15	17 317	150	1 354	1 247	121	145	5	4 291	
CH	2 533	593	198		53	533	15 168	656	25	6 836	502	10 870	413	218	532	28	14 426	
CY	40	98	2 310	103		40	265	24	25	24	38	2 71	4 620	268	111	0	44	
CZ	1 579	257	3 102	432	105		6 027	228	12	800	90	1 017	213	120	136	45	992	
DE	23 985	3 345	5 945	30 339	296	4 293		4 066	373	15 343	1 238	12 704	11 064	12 577	1 800	187	18 920	
DK	202	252	48	598	22	144	2 127		63	925	447	836	105	124	168	1 006	391	
EE	55	40	11	41	28	27	587	157		120	3 727	134	12	21	57	15	142	
ES	1 039	9 102	4 930	20 986	40	223	12 543	1 372	76		927	28 803	717	667	5 393	46	3 020	
FI	324	184	15	583	19	121	1 819	322	940	810		356	80	55	237	29	347	
FR	1 237	10 186	762	8 819	105	1 039	15 868	1 210	111	11 671	463		1 314	772	2 382	45	6 335	
GR	450	252	527	262	3 592	157	7 202	170	16	506	120	1 144		105	119	3	893	
HU	5 422	521	207	645	156	159	18 498	359	25	790	297	2 533	203		297	12	905	
IE	177	1 203	160	1 050	62	163	1 505	213	38	1 726	196	3 152	242	94		10	532	
IS	31	10	3	22	0	13	158	1 289	10	125	63	35	1	6	5		51	
IT	2 264	3 240	295	20 396	44	802	16 793	823	16	8 947	376	7 524	616	366	591	64		
LI	52	3	2	41	0	2	47	10	0	18	0	39	3	2	3	0	16	
LT	213	226	123	134	31	148	3 253	877	77	2 183	87	396	75	11	3 478	269	558	
LU	89	2 381	21	406	3	7	2 606	120	23	118	84	2 722	75	71	52	18	315	
LV	94	152	98	239	93	41	1 420	392	321	288	142	266	38	11	990	99	270	
MT	26	41	9	24	19	8	122	15	4	21	8	326	12	8	49	2	176	
NL	1 100	12 734	322	2 363	62	805	11 405	679	28	4 571	329	3 938	758	492	686	33	1 336	
NO	112	104	44	265	12	76	1 136	2 071	78	1 628	749	325	46	44	45	175	246	
PL	6 342	4 789	258	3 374	671	5 069	124 171	3 996	15	7 946	524	8 836	2 139	246	18 915	2 488	13 361	
PT	374	333	72	420	14	68	4 954	190	10	12 094	73	6 716	53	26	132	122	640	
RO	10 836	773	1 079	739	490	1 541	35 133	631	28	91 820	223	5 674	1 246	3 117	585	26	74 512	
SE	451	388	64	1 117	78	212	2 632	3 235	163	1 753	3 973	1 087	642	226	330	350	560	
SI	846	222	7	1 001	8	52	1 032	46	2	130	17	124	16	14	30	10	473	
SK	4 298	285	133	3 787	385	44 321	7 748	232	0	757	50	789	133	856	394	49	1 020	
UK	1 633	1 587	625	4 253	2 829	1 596	10 868	2 400	187	37 128	1 264	20 915	5 144	2 549	12 357	153	6 725	
EU27+4	68 704	53 924	22 816	107 099	9 787	65 378	337 945	26 625	2 744	230 305	16 594	134 377	31 970	27 168	50 629	5 326	154 961	
Rest	47 419	59 937	12 612	58 535	5 816	137 071	208 508	19 604	2 219	362 941	14 266	249 557	36 921	20 567	17 174	877	357 945	
Total	116 124	113 861	35 428	165 634	15 603	202 449	546 454	46 229	4 963	593 247	30 860	383 934	68 891	47 735	67 803	6 202	512 906	

From	To																	
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total	
AT	176	26	33	56	24	679	113	3 967	285	4 883	361	622	2 236	1 666	42 171	38 877	81 048	
BE	2	97	3 536	56	20	7 184	158	1 896	237	280	423	69	223	4 098	40 471	24 890	65 361	
BG	1	69	16	799	22	5 050	161	752	81	2 369	1 106	0	1 151	2 786	62 126	26 769	88 895	
CH	24	79	145	60	28	1 562	313	1 847	507	418	954	1 188	974	7 077	68 761	21 414	90 175	
CY	0	11	0	14	60	78	15	154	14	1 862	90	0	23	3 025	13 626	36 847	50 474	
CZ	0	50	33	156	9	654	155	994	70	1 223	250	29	10 548	4 905	34 233	99 897	134 130	
DE	55	1 276	2 495	651	85	11 465	3 387	110 379	4 956	17 061	4 682	1 831	4 803	22 731	332 333	165 674	498 008	
DK	1	216	38	184	25	568	2 402	741	67	102	6 615	29	228	2 237	20 910	10 833	31 743	
EE	0	37	0	320	6	97	333	44	13	24	471	0	20	1 347	7 888	4 106	11 995	
ES	155	897	131	136	50	4 074	665	2 622	11 155	19 567	1 515	54	384	17 408	148 696	334 109	482 805	
FI	1	37	22	95	13	454	641	136	30	13	2 888	10	66	817	11 465	3 104	14 569	
FR	13	140	5 448	139	198	3 889	674	6 618	5 403	2 036	1 407	122	1 114	22 573	112 095	116 838	228 933	
GR	1	30	27	14	43	1 328	75	1 778	62	827	761	5	154	4 535	25 159	15 241	40 400	
HU	1	4	27	6	13	1 100	180	385	142	2 876	852	44	2 362	3 556	42 581	33 737	76 318	
IE	3	1 906	76	974	37	668	108	3 164	231	419	367	39	110	7 050	25 675	17 508	43 184	
IS	0	43	5	33	1	105	274	249	43	8	457	0	23	498	3 561	1 098	4 658	
IT	23	201	349	178	199	2 278	250	6 794	399	1 818	820	397	1 171	6 960	84 992	46 278	131 269	
LI		0	0	0	0	0	2	22	2	4	0	20	5	0	292	116	408	
LT	0		16	832	4	362	1 914	942	90	19	906	5	50	2 993	20 273	9 441	29 713	
LU	0	26		3	15	188	12	106	1 117	25	105	73	13	814	11 608	867	12 475	
LV	0	354	0		0	156	379	139	38	11	377	0	49	1 465	7 921	12 904	20 825	
MT	0	9	0	0		52	7	18	11	10	46	0	22	659	1 703	2 805	4 508	
NL	0	112	158	136	44		826	3 586	936	417	1 291	64	444	8 117	57 771	40 900	98 670	
NO	0	304	16	136	24	485		1 049	68	48	4 714	0	260	1 990	16 251	5 280	21 531	
PL	19	209	234	326	27	10 572	11 435		196	77	7 540	10	2 971	43 888	280 645	96 700	377 345	
PT	2	97	3 078	45	14	2 188	144	183		152	206	10	81	5 070	37 560	19 116	56 676	
RO	2	9	54	150	59	2 450	474	279	314		2 457	15	5 955	1 722	242 392	84 317	326 709	
SE	1	289	98	248	64	824	5 119	2 482	108	137		103	217	3 836	30 785	13 737	44 521	
SI	23	4	22	6	0	135	31	37	12	5	73		167	0	4 543	2 327	6 870	
SK	6	9	11	22	0	722	500	392	61	188	162	10		5 473	72 792	13 652	86 445	
UK	0	3 864	218	1 667	534	6 653	1 567	9 117	1 919	719	3 624	88	1 252		143 435	165 770	309 205	
EU27+4	511	10 403	16 287	7 440	1 618	66 021	32 315	160 871	28 569	57 598	45 520	4 836	37 078	189 294	2 004 716	1 465 152	3 469 868	
Rest	61	8 086	850	2 438	1 432	56 565	17 636	84 706	35 498	42 543	53 840	2 536	22 585	388 136	2 328 881			
Total	572	18 489	17 137	9 878	3 049	122 587	49 951	245 577	64 067	100 141	99 360	7 373	59 664	577 429	4 333 596			

12. ANNEX 4: IMEM estimates, 2002-2008

Table 64. IMEM estimates, 2002

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT
AT		414	295	1 894	55	1 247	12 380	316	34	804	202	1 573	374	1 664	151	24	2 560
BE	317		139	1 179	37	403	6 350	659	60	3 810	282	20 390	810	477	455	36	3 963
BG	858	734		275	206	1 039	6 032	151	27	7 001	80	1 555	1 403	204	90	15	2 345
CH	953	805	109		75	404	8 540	430	44	3 491	223	7 954	407	322	326	24	10 150
CY	13	80	70	7		37	162	9	2	51	31	92	400	36	7	1	51
CZ	2 220	908	931	1 167	111		12 490	335	62	887	178	3 406	669	655	395	17	1 389
DE	14 680	12 680	2 434	23 840	389	6 021		4 512	446	20 110	1 737	54 580	8 625	7 289	2 389	221	25 720
DK	246	620	79	541	53	208	3 544		102	1 247	483	1 855	335	192	361	518	852
EE	47	158	6	90	2	42	753	212		179	1 057	310	38	94	63	29	155
ES	583	2 533	274	3 089	46	252	12 750	905	48		610	31 590	526	341	1 222	43	4 951
FI	257	529	34	464	22	129	2 021	483	255	1 195		1 191	214	268	307	43	626
FR	1 060	24 770	530	11 830	160	1 457	27 510	1 648	161	18 650	590		1 820	1 487	1 530	65	14 750
GR	373	527	611	295	1 619	211	9 863	252	24	428	120	1 474		180	135	4	1 556
HU	2 629	1 290	183	709	87	355	11 510	200	70	741	198	3 003	364		312	12	1 414
IE	215	2 071	45	956	32	196	2 794	352	31	1 520	215	2 590	236	191		11	978
IS	18	40	3	34	1	11	251	640	6	114	46	119	11	3	11		42
IT	2 530	6 440	645	21 740	46	761	46 360	1 017	61	6 987	569	56 790	1 905	1 213	851	34	
LI	31	9	2	75	1	4	81	14	0	18	3	78	9	5	2	0	18
LT	86	141	22	85	3	87	2 364	523	108	1 172	132	586	28	42	131	45	300
LU	62	434	7	73	1	27	1 234	90	3	146	46	830	35	29	20	9	420
LV	77	63	13	48	1	44	1 290	319	242	161	117	422	27	23	60	15	200
MT	15	85	3	18	11	21	140	16	6	19	9	265	48	36	16	1	240
NL	867	15 880	172	1 996	90	716	17 470	1 016	54	4 737	460	7 277	1 078	622	902	73	2 952
NO	107	406	31	211	14	146	1 472	2 589	51	1 608	1 133	1 295	100	61	160	250	481
PL	3 136	2 212	272	1 258	44	3 440	113 100	1 234	72	3 916	234	7 478	974	614	356	158	6 595
PT	199	232	31	3 750	6	78	8 540	132	16	6 075	73	33 230	75	73	76	14	547
RO	3 511	1 438	208	1 203	136	1 127	18 160	168	23	13 440	87	5 090	1 282	7 375	738	18	23 580
SE	545	1 091	76	774	71	251	3 337	2 696	128	2 126	3 676	2 181	562	312	338	264	1 109
SI	770	227	49	440	3	125	2 529	56	8	132	16	697	118	206	36	4	982
SK	2 307	330	103	555	5	18 370	6 075	92	17	541	32	762	161	742	59	7	967
UK	1 988	7 181	55	4 665	2 255	1 817	21 840	3 286	31	32 560	1 132	28 480	4 629	3 145	17 720	83	11 170
EU27+4	40 700	84 328	7 432	83 261	5 582	39 026	360 942	24 352	2 192	133 866	13 771	277 143	27 263	27 901	29 219	2 038	121 063
Rest	56 840	55 550	7 570	56 220	4 847	35 500	676 100	28 650	1 989	308 300	18 140	639 200	46 980	18 460	22 240	1 162	285 900
Total	97 540	139 878	15 002	139 481	10 429	74 526	1 037 042	53 002	4 181	442 166	31 911	916 343	74 243	46 361	51 459	3 200	406 963

From	To																
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total
AT	71	44	78	22	15	636	137	1 581	310	1 071	488	553	815	1 111	30 919	24 870	55 789
BE	12	71	1 094	31	38	6 350	277	870	1 191	309	679	107	118	5 181	55 695	18 850	74 545
BG	3	28	17	16	21	469	124	300	551	157	217	38	230	2 311	26 497	4 190	30 687
CH	83	32	88	33	38	911	199	549	690	197	548	292	257	7 375	45 549	59 610	105 159
CY	0	5	1	1	11	38	8	62	3	69	50	2	8	665	1 972	4 725	6 697
CZ	8	67	93	64	29	799	179	1 785	136	300	396	111	12 300	224	42 311	17 090	59 401
DE	123	856	1 801	546	155	12 760	1 964	32 830	6 312	4 621	4 324	1 920	2 022	41 690	297 597	283 900	581 497
DK	9	266	77	156	23	653	2 773	503	275	58	4 627	23	49	4 767	25 495	14 100	39 595
EE	1	74	11	228	2	92	173	32	55	12	440	5	10	34	4 404	3 812	8 216
ES	24	94	198	28	31	2 695	697	768	6 411	336	1 119	47	99	16 680	88 990	50 050	139 040
FI	2	150	53	90	6	556	1 289	124	166	38	4 833	12	19	2 069	17 445	5 365	22 810
FR	33	229	1 560	116	272	3 910	761	3 377	4 501	1 359	1 575	218	337	26 220	152 486	184 200	336 686
GR	5	16	20	12	33	866	110	588	141	455	549	35	60	5 002	25 564	18 650	44 214
HU	10	32	66	38	21	764	155	369	240	1 173	422	113	496	2 645	29 621	9 898	39 519
IE	4	30	44	22	20	821	123	122	335	36	494	20	42	29 130	43 676	26 600	70 276
IS	0	15	6	13	5	95	308	51	45	5	272	6	7	45	2 223	679	2 902
IT	32	95	502	60	384	2 462	462	3 095	1 821	2 104	1 018	781	291	14 650	175 706	57 200	232 906
LI		1	2	1	1	9	2	9	4	4	4	3	4	9	403	126	529
LT	1		9	514	2	222	239	592	52	12	355	4	16	85	7 958	6 624	14 582
LU	0	5		2	1	162	17	39	96	19	95	7	13	560	4 482	1 641	6 123
LV	0	457	6		1	111	164	101	41	8	301	6	19	72	4 409	6 769	11 178
MT	0	4	1	1		42	19	15	17	5	29	8	6	825	1 921	738	2 659
NL	7	82	320	51	64		697	1 141	1 884	276	1 302	91	157	13 450	75 884	72 210	148 094
NO	2	69	18	44	7	567		320	333	42	5 747	8	51	2 688	20 011	12 470	32 481
PL	20	352	236	151	18	2 941	824		338	136	2 063	49	482	3 965	156 668	64 750	221 418
PT	3	8	474	15	14	1 655	93	77		45	169	19	21	4 414	60 154	11 100	71 254
RO	13	14	81	21	14	977	294	123	451		584	29	690	1 057	81 932	8 935	90 867
SE	4	115	105	116	43	950	4 340	754	353	150		87	96	4 688	31 338	18 670	50 008
SI	5	9	28	10	4	143	13	64	65	21	70		47	64	6 941	3 679	10 620
SK	4	12	21	19	6	340	105	315	26	86	149	30		96	32 334	4 337	36 671
UK	8	107	678	56	312	9 728	1 960	2 772	5 033	153	4 035	91	363		167 333	373 400	540 733
EU27+4	487	3 339	7 688	2 477	1 591	52 724	18 506	53 328	31 876	13 257	36 954	4 715	19 125	191 772	1 717 918	1 369 238	3 087 156
Rest	98	7 110	2 079	2 721	735	135 100	30 790	47 170	27 450	24 700	56 650	2 305	7 658	535 700	3 143 914		
Total	585	10 449	9 767	5 198	2 326	187 824	49 296	100 498	59 326	37 957	93 604	7 020	26 783	727 472	4 861 832		

Table 65. IMEM estimates, 2003

From	To																		
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT		
AT		502	407	1 831	26	1 331	12 170	275	40	865	203	1 482	472	1 961	164	24	2 626		
BE	410		156	1 313	63	395	6 586	641	64	3 847	328	21 900	900	529	501	55	4 240		
BG	1 049	918		291	244	1 033	6 375	144	34	6 430	58	1 769	1 668	264	108	14	5 265		
CH	1 188	859	122		50	531	8 859	419	54	3 628	274	8 425	467	383	335	34	11 730		
CY	24	60	63	31		66	214	27	2	37	13	143	312	19	8	4	56		
CZ	2 331	1 112	1 046	1 017	111		11 700	358	61	894	197	3 478	682	696	376	56	2 297		
DE	17 280	13 270	2 867	25 400	296	6 809		4 205	488	20 390	1 752	55 330	9 213	7 395	2 446	281	27 480		
DK	269	688	94	586	27	253	3 538		93	1 335	517	1 906	335	208	383	263	879		
EE	57	215	11	89	2	31	813	173		121	1 059	352	46	101	81	44	225		
ES	608	2 257	386	2 543	46	358	11 650	957	41		596	30 180	446	359	931	53	4 325		
FI	267	629	28	489	24	170	2 055	498	269	1 224		1 077	232	243	224	50	705		
FR	1 155	28 150	626	13 530	170	1 808	28 480	1 580	216	20 640	679		2 429	1 733	1 604	130	14 970		
GR	409	486	734	319	1 827	205	8 846	265	29	565	122	1 349		194	160	11	1 582		
HU	2 937	1 175	203	777	95	370	10 790	233	92	694	185	3 182	425		327	31	1 920		
IE	213	1 958	47	988	60	190	2 700	319	34	1 971	219	2 795	313	197		40	948		
IS	29	52	2	45	1	15	245	449	3	112	45	160	28	6	12		65		
IT	2 791	7 030	820	26 560	35	756	47 750	1 056	67	7 778	581	62 700	2 054	1 381	913	63			
LI	33	10	2	83	1	4	75	8	0	24	3	89	11	5	3	0	35		
LT	127	242	35	140	12	117	2 462	520	113	1 299	117	733	47	63	242	41	670		
LU	64	1 196	11	172	1	23	1 549	159	5	166	50	1 796	77	46	54	9	503		
LV	72	39	13	58	8	48	1 210	292	182	146	115	266	25	18	88	31	311		
MT	9	83	10	20	8	13	137	17	6	22	6	269	15	55	16	3	271		
NL	916	17 350	215	2 151	91	715	17 240	968	63	5 231	492	7 710	1 185	628	936	88	2 992		
NO	133	382	35	225	6	134	1 586	2 572	57	1 662	1 118	1 315	109	90	201	167	534		
PL	3 248	2 558	107	1 194	79	3 704	115 300	1 144	81	3 903	240	7 084	842	543	463	125	11 510		
PT	214	233	36	2 583	6	96	8 724	133	18	2 562	78	26 090	84	80	82	16	554		
RO	4 113	1 767	283	1 558	294	1 295	20 580	159	29	15 510	159	6 464	1 477	8 379	659	63	52 620		
SE	518	1 168	99	806	70	289	3 350	3 107	140	2 176	3 907	2 364	687	320	371	198	1 167		
SI	696	238	42	372	6	103	2 039	48	10	149	18	676	92	166	36	5	1 204		
SK	2 216	275	107	602	38	24 080	5 964	78	23	424	37	755	109	731	39	9	1 323		
UK	1 512	4 627	652	5 911	2 175	1 780	23 290	3 451	37	37 610	1 421	31 530	4 817	3 054	16 610	36	10 910		
EU27+4	44 888	89 529	9 259	91 684	5 872	46 722	366 277	24 255	2 351	141 415	14 589	283 369	29 599	29 847	28 373	1 944	163 917		
Rest	57 760	53 840	6 899	53 440	5 258	38 650	610 300	27 550	1 985	301 100	17 640	619 600	41 430	19 600	25 480	958	401 300		
Total	102 648	143 369	16 158	145 124	11 130	85 372	976 577	51 805	4 336	442 515	32 229	902 969	71 029	49 447	53 853	2 902	565 217		

From	To																		
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total		
AT	54	66	44	35	17	613	127	1 626	330	1 095	545	464	838	2 671	32 904	22 680	55 584		
BE	12	54	1 694	62	47	6 644	274	937	960	337	736	138	78	11 620	65 521	19 370	84 891		
BG	5	23	7	23	20	497	122	329	555	903	223	48	183	3 305	31 907	3 667	35 574		
CH	95	47	90	48	43	878	243	674	814	222	632	274	373	1 941	43 732	54 330	98 062		
CY	0	8	1	3	10	41	12	45	15	81	45	3	5	1 419	2 767	3 602	6 369		
CZ	8	81	35	48	36	784	192	2 106	190	1 007	341	107	12 360	3 911	47 618	17 860	65 478		
DE	113	978	1 542	572	175	13 010	1 943	33 680	5 931	5 817	4 611	1 668	2 348	33 940	301 230	260 400	561 630		
DK	6	260	56	137	23	665	2 578	403	354	160	5 073	46	45	2 038	23 218	14 090	37 308		
EE	1	123	7	276	3	92	131	37	41	17	433	6	10	2 166	6 763	3 657	10 420		
ES	16	175	119	19	45	2 521	572	976	5 082	913	1 129	72	83	14 900	82 358	51 270	133 628		
FI	2	83	21	115	7	510	1 095	137	137	53	4 925	13	22	984	16 288	5 269	21 557		
FR	39	187	2 167	95	290	3 873	728	3 007	4 143	1 429	1 736	306	253	39 720	175 873	181 600	357 473		
GR	4	43	16	21	31	789	121	587	170	383	567	56	45	3 701	23 637	15 120	38 757		
HU	10	38	34	26	24	711	140	484	193	1 344	431	127	495	3 075	30 568	10 550	41 118		
IE	4	80	21	28	21	822	130	221	331	133	393	18	37	28 650	43 881	29 190	73 071		
IS	0	8	1	10	2	76	183	53	15	8	208	2	9	23	1 867	608	2 475		
IT	20	113	319	84	438	2 370	514	3 060	1 973	2 958	1 063	745	269	7 830	184 091	59 400	243 491		
LI		1	1	0	1	3	3	14	5	6	5	2	2	9	438	172	610		
LT	1		6	554	2	244	300	770	121	31	413	5	19	522	9 968	7 353	17 321		
LU	1	5		3	4	206	31	48	170	26	129	14	12	1 038	7 568	1 427	8 995		
LV	1	378	3		1	113	145	81	115	13	283	6	15	67	4 143	6 376	10 519		
MT	0	6	0	1		46	9	21	9	11	33	6	7	661	1 770	567	2 337		
NL	5	128	149	58	68		679	1 188	1 794	428	1 284	96	178	15 980	81 006	72 540	153 546		
NO	1	102	9	72	6	619		386	222	85	5 542	16	30	3 148	20 564	12 970	33 534		
PL	22	382	79	115	20	2 836	708		349	254	1 912	45	555	6 002	165 404	55 050	220 454		
PT	3	30	886	13	16	620	81	143		65	154	25	35	12 490	56 150	10 480	66 630		
RO	15	21	39	11	15	1 209	341	224	628		629	39	1 531	2 430	122 541	9 457	131 998		
SE	4	140	54	153	29	920	4 441	893	296	160		82	91	4 179	32 179	20 110	52 289		
SI	5	9	15	10	4	109	22	73	27	42	77		41	56	6 390	3 754	10 144		
SK	5	22	33	25	6	246	99	427	27	95	123	45		1 971	39 934	4 406	44 340		
UK	9	144	307	78	712	6 531	2 134	3 834	3 748	901	3 055	79	747		171 702	392 500	564 202		
EU27+4	461	3 735	7 755	2 695	2 116	48 598	18 098	56 464	28 745	18 977	36 730	4 553	20 716	210 447	1 833 980	1 349 825	3 183 805		
Rest	119	6 561	662	2 595	640	124 800	30 000	48 110	28 100	24 620	58 370	2 266	8 878	574 000	3 192 511				
Total	580	10 296	8 417	5 290	2 756	173 398	48 098	104 574	56 845	43 597	95 100	6 819	29 594	784 447	5 026 491				

Table 66. IMEM estimates, 2004

From	To																		
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT		
AT		525	462	1 948	63	1 633	12 780	300	43	940	212	1 545	484	2 290	169	31	2 134		
BE	480		186	1 400	58	472	7 007	629	91	4 096	353	24 630	997	627	590	56	3 341		
BG	1 153	1 015		303	246	1 136	6 141	157	43	8 306	85	1 947	1 964	297	120	14	5 304		
CH	1 301	930	140		49	659	9 656	473	61	4 183	298	9 411	509	459	372	37	8 543		
CY	14	21	79	8		21	216	21	3	40	14	66	362	29	51	1	73		
CZ	2 635	1 416	1 033	1 033	114		11 950	354	104	1 256	202	4 035	610	789	794	52	2 279		
DE	20 250	14 130	3 075	26 300	418	8 407		4 491	631	22 150	1 937	60 170	10 280	8 570	2 654	305	29 140		
DK	286	664	93	633	34	218	3 645		114	1 478	523	2 055	345	247	389	327	920		
EE	86	233	16	91	39	43	741	171		188	1 306	593	37	120	170	34	226		
ES	655	2 389	549	2 564	68	366	11 650	982	49		582	29 200	658	339	607	45	4 434		
FI	312	657	57	464	47	184	2 159	489	484	1 176		1 325	280	304	263	62	622		
FR	1 441	30 370	704	13 860	160	1 736	29 590	1 718	240	24 750	681		2 606	1 891	1 871	143	13 130		
GR	399	481	750	331	2 254	233	8 218	270	29	766	146	1 473		206	154	33	1 411		
HU	3 362	1 122	232	854	136	426	12 670	297	129	1 095	248	3 347	500		999	44	1 771		
IE	257	2 189	65	1 012	120	320	2 484	291	92	2 295	168	2 913	344	513		48	1 292		
IS	19	62	5	46	1	7	242	476	4	146	37	156	21	10	14		39		
IT	2 869	7 480	659	26 640	159	1 177	48 900	1 102	127	10 770	596	68 820	2 491	1 333	1 525	115			
LI	71	10	3	90	1	6	79	9	1	41	7	93	11	6	3	0	27		
LT	183	370	64	192	35	190	3 227	638	149	1 840	160	976	72	58	768	50	820		
LU	77	1 321	13	176	2	21	1 686	158	9	230	69	1 885	73	30	57	17	428		
LV	100	120	17	82	43	53	1 422	313	272	219	150	439	29	27	271	28	293		
MT	18	62	3	20	25	12	125	18	13	47	12	356	46	67	37	6	177		
NL	964	16 030	181	1 860	86	821	16 820	990	86	5 850	509	7 228	1 177	883	1 000	95	2 689		
NO	135	410	35	207	16	76	1 577	2 554	57	1 612	1 103	1 326	107	79	194	194	358		
PL	5 247	2 757	218	1 240	300	3 910	126 600	1 243	89	5 869	271	8 044	1 003	684	1 497	161	11 970		
PT	400	1 372	108	924	8	141	7 033	269	46	11 200	131	50 150	358	242	360	32	1 156		
RO	4 821	1 952	517	1 599	339	1 270	22 820	321	33	19 620	206	7 572	1 890	11 350	843	69	52 260		
SE	539	1 097	99	886	174	429	3 486	3 497	332	2 230	4 105	2 501	710	687	406	218	1 116		
SI	926	331	52	416	8	99	2 257	43	10	216	13	785	76	279	107	7	1 268		
SK	3 009	339	105	719	137	22 360	6 584	114	24	739	38	999	120	907	103	11	1 324		
UK	1 813	7 630	66	4 214	4 036	2 305	19 290	819	78	44 260	1 350	30 570	5 816	5 783	18 020	39	9 915		
EU27+4	53 822	97 485	9 586	90 112	9 176	48 731	381 055	23 207	3 443	177 608	15 512	324 610	33 976	39 106	34 408	2 274	158 460		
Rest	65 380	58 040	7 090	55 770	5 539	41 240	599 800	28 350	2 256	325 700	18 970	649 400	51 710	20 610	27 280	1 071	402 400		
Total	119 202	155 525	16 676	145 882	14 715	89 971	980 855	51 557	5 699	503 308	34 482	974 010	85 686	59 716	61 688	3 345	560 860		

From	To																
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total
AT	70	98	56	52	22	666	153	1 637	293	1 308	463	557	1 687	2 629	35 250	27 580	62 830
BE	12	102	1 810	58	49	6 897	305	1 029	972	403	752	95	233	3 229	60 959	19 650	80 609
BG	6	112	12	12	36	467	125	657	336	1 107	191	43	232	2 088	33 655	3 878	37 533
CH	114	60	105	34	32	843	208	653	695	271	550	281	391	2 507	43 825	56 120	99 945
CY	0	8	4	3	11	54	22	24	13	118	63	7	37	1 792	3 175	3 960	7 135
CZ	9	154	41	67	14	1 021	245	2 462	318	986	434	108	16 140	10 070	60 725	18 270	78 995
DE	124	1 628	1 689	865	213	14 180	2 133	40 220	5 725	6 438	4 818	1 870	4 363	37 250	334 424	275 400	609 824
DK	7	296	50	208	28	667	2 632	489	281	165	5 238	30	142	3 406	25 610	15 460	41 070
EE	1	106	14	332	3	188	168	116	92	30	753	7	12	1 645	7 561	3 979	11 540
ES	11	348	78	54	39	2 735	607	1 268	4 980	1 461	1 081	51	227	14 400	82 477	54 210	136 687
FI	3	116	22	148	8	537	900	154	175	75	4 744	23	62	1 905	17 757	5 272	23 029
FR	38	282	2 276	129	314	4 016	775	4 129	4 017	1 721	1 880	269	990	29 160	174 887	187 700	362 587
GR	6	62	17	25	38	830	104	846	171	460	514	53	154	4 327	24 761	20 800	45 561
HU	11	39	23	44	21	903	170	558	237	1 483	728	152	1 194	8 814	41 609	10 910	52 519
IE	5	286	39	103	55	708	141	381	302	168	400	41	105	27 020	44 157	31 700	75 857
IS	0	14	1	6	5	93	154	90	26	8	194	1	4	24	1 905	647	2 552
IT	81	235	363	131	264	2 531	478	3 142	2 054	3 031	1 070	874	746	12 720	202 483	59 300	261 783
LI		1	1	0	1	8	4	14	5	5	8	2	2	10	519	140	659
LT	1		17	747	3	443	474	813	189	33	835	8	43	10 000	23 398	6 505	29 903
LU	1	5		4	2	200	19	60	182	23	139	15	19	65	6 986	1 731	8 717
LV	1	466	8		2	150	152	168	69	13	460	9	12	3 534	8 922	5 936	14 858
MT	0	3	0	1		47	8	57	17	29	48	5	17	684	1 960	566	2 526
NL	9	134	142	66	74		801	1 628	1 645	462	1 393	124	343	13 700	77 790	79 500	157 290
NO	1	156	9	87	8	584		392	207	106	4 985	9	62	3 516	20 162	14 330	34 492
PL	31	372	82	151	34	4 833	1 336		449	297	4 211	61	1 048	22 800	206 808	57 020	263 828
PT	3	97	517	31	32	1 354	154	196		237	324	27	76	7 681	84 659	11 460	96 119
RO	24	25	61	18	20	1 294	320	418	1 148		677	58	1 608	4 884	138 037	10 260	148 297
SE	4	230	72	180	58	910	4 435	1 469	378	187		112	227	7 907	38 681	19 040	57 721
SI	9	11	24	8	7	127	29	53	48	60	162		119	95	7 645	3 555	11 200
SK	9	23	19	18	6	424	118	501	90	154	218	45		4 792	44 049	3 999	48 048
UK	10	402	242	193	1 204	7 220	1 888	4 235	6 288	1 822	4 461	125	394		184 488	421 400	605 888
EU27+4	601	5 871	7 794	3 775	2 603	54 930	19 058	67 859	31 402	22 661	41 794	5 062	30 689	242 654	2 039 324	1 430 278	3 469 602
Rest	109	5 792	684	2 456	630	115 600	31 170	60 880	30 490	27 450	55 490	2 495	9 418	639 700	3 342 970		
Total	710	11 663	8 478	6 231	3 233	170 530	50 228	128 739	61 892	50 111	97 284	7 557	40 107	882 354	5 382 294		

Table 67. IMEM estimates, 2005

From	To																	
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	
AT		638	504	2 117	28	1 521	13 540	307	53	1 115	246	1 684	479	2 487	187	42	2 084	
BE	484		197	1 516	133	317	6 838	622	108	4 502	358	27 550	994	683	656	63	3 446	
BG	1 085	1 082		344	290	1 320	5 374	142	50	7 965	74	2 035	2 167	299	126	15	3 965	
CH	1 326	1 026	143		55	280	10 030	472	65	4 194	317	9 766	510	393	388	55	8 370	
CY	18	23	142	26		23	217	14	3	23	11	99	468	69	95	1	83	
CZ	1 665	513	1 103	340	87		7 215	230	45	825	102	1 750	215	340	325	27	1 126	
DE	21 260	13 880	3 054	29 260	472	7 297		4 683	624	22 930	1 916	58 260	9 602	8 784	2 555	346	27 480	
DK	315	654	92	637	38	226	3 687		116	1 561	501	2 020	341	270	389	348	777	
EE	64	240	18	90	17	46	659	185		201	1 497	444	64	143	151	31	229	
ES	770	2 719	621	2 801	84	289	12 380	1 101	78		620	33 260	591	394	923	61	4 544	
FI	334	595	48	510	64	134	2 159	479	438	1 175		1 149	241	219	270	68	601	
FR	1 559	31 090	734	14 290	263	1 198	29 660	1 850	302	27 330	769		2 488	2 013	1 760	182	13 870	
GR	397	489	818	430	2 094	137	7 864	242	34	983	167	1 487		191	158	17	1 492	
HU	3 602	1 215	252	841	248	263	13 370	374	128	1 348	267	3 549	563		976	61	1 768	
IE	236	2 394	77	1 106	165	301	2 353	302	95	2 242	189	3 098	367	571		56	1 163	
IS	28	67	4	37	1	13	200	448	2	207	33	158	26	8	16		54	
IT	3 107	8 075	878	26 960	161	1 057	47 160	1 143	180	13 290	529	76 410	2 557	1 385	1 519	212		
LI	59	10	3	92	1	8	61	8	1	35	4	98	11	6	2	0	53	
LT	208	337	76	150	39	172	3 265	649	143	1 903	139	974	80	61	1 002	66	836	
LU	86	1 287	6	202	3	31	1 947	127	11	208	49	1 977	102	42	54	16	417	
LV	94	128	14	102	53	49	1 504	315	289	294	162	476	40	21	360	31	334	
MT	16	87	18	28	13	17	149	25	7	33	8	358	31	97	37	6	205	
NL	1 142	17 930	231	2 099	122	1 008	17 790	937	119	6 737	548	7 391	1 255	896	1 092	124	2 669	
NO	137	468	33	212	30	99	1 554	2 437	67	1 488	919	1 324	137	66	250	187	316	
PL	4 997	3 128	520	1 562	633	5 054	120 700	1 910	353	7 166	363	12 020	831	2 106	1 387	144	14 740	
PT	435	1 385	100	902	25	104	6 355	276	51	14 530	119	50 270	347	260	359	40	1 237	
RO	4 579	1 483	561	1 628	316	1 270	21 750	359	34	20 120	186	6 820	1 915	9 997	657	51	44 070	
SE	620	1 106	102	904	200	375	3 409	3 822	418	2 401	4 550	2 607	691	700	430	288	1 110	
SI	913	367	71	416	34	74	1 776	66	11	277	23	757	76	176	116	7	1 217	
SK	3 122	282	83	808	226	19 030	7 056	143	26	692	85	831	98	967	130	12	1 496	
UK	1 770	3 343	824	6 927	4 103	3 657	17 150	3 745	87	42 990	448	38 350	3 926	4 708	19 630	40	10 440	
EU27+4	54 428	96 041	11 327	97 337	9 998	45 370	367 172	27 413	3 938	188 765	15 199	346 972	31 213	38 352	36 000	2 597	150 192	
Rest	63 590	59 380	7 651	58 500	5 600	50 330	533 300	29 360	2 520	365 100	19 960	710 800	48 330	19 820	30 520	1 140	348 600	
Total	118 018	155 421	18 978	155 837	15 598	95 700	900 472	56 773	6 458	553 865	35 159	1 057 772	79 543	58 172	66 520	3 737	498 792	

From	To																	
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total	
AT	68	99	44	61	21	689	176	1 792	356	1 540	456	700	2 305	2 275	37 614	28 890	66 504	
BE	12	123	1 845	61	52	7 154	346	1 397	851	437	734	95	388	4 807	66 769	20 590	87 359	
BG	6	91	8	16	16	472	138	589	198	1 151	178	27	194	2 450	31 867	3 929	35 796	
CH	112	65	83	64	37	799	244	736	366	305	623	352	496	6 639	48 311	59 950	108 261	
CY	0	20	4	16	3	40	11	116	8	98	35	12	29	2 575	4 282	4 692	8 974	
CZ	8	95	31	61	17	638	114	3 177	143	1 316	290	78	10 560	6 664	39 100	21 760	60 860	
DE	129	1 731	1 786	906	184	14 460	2 480	46 370	5 441	7 028	4 697	1 923	6 160	46 610	352 308	252 500	604 808	
DK	4	290	38	215	28	665	2 769	858	244	184	5 582	40	243	3 057	26 189	16 320	42 509	
EE	1	92	2	459	1	165	214	183	80	31	729	5	47	987	7 075	4 621	11 696	
ES	25	470	129	74	30	2 819	665	1 331	5 010	1 787	1 156	98	366	16 410	91 606	61 430	153 036	
FI	3	82	43	171	5	536	832	345	155	66	4 992	14	40	1 855	17 623	5 313	22 936	
FR	44	289	2 360	192	222	4 294	903	4 689	4 207	1 900	1 909	372	1 630	25 850	178 219	199 500	377 719	
GR	4	49	27	20	33	851	130	494	238	468	546	37	133	4 631	24 661	18 850	43 511	
HU	9	34	28	37	26	946	186	1 544	270	1 722	802	148	2 156	126	36 859	9 783	46 642	
IE	4	496	34	182	55	733	160	1 219	348	210	400	42	103	28 020	46 721	35 310	82 031	
IS	0	26	2	9	3	68	153	52	37	8	202	5	6	460	2 333	696	3 029	
IT	60	288	394	164	385	2 739	528	3 288	1 558	3 532	1 129	1 049	1 021	21 800	222 558	62 730	285 288	
LI		1	1	1	1	7	4	18	8	4	4	2	5	10	518	151	669	
LT	1		12	827	7	414	587	977	164	50	1 092	8	27	2 831	17 097	6 734	23 831	
LU	1	10		14	2	184	33	117	270	40	151	20	24	1 684	9 115	1 848	10 963	
LV	1	510	5		2	163	190	204	51	25	433	5	42	3 069	8 966	6 269	15 235	
MT	0	2	4	4		39	6	38	36	15	52	2	26	957	2 316	572	2 888	
NL	14	156	178	86	82		990	1 784	1 336	470	1 548	136	428	11 780	81 078	83 490	164 568	
NO	2	161	19	77	4	530		495	167	102	4 622	9	151	3 525	19 588	16 100	35 688	
PL	47	703	85	194	39	5 349	2 366		868	1 479	5 635	98	3 163	59 720	257 360	61 360	318 720	
PT	2	93	531	38	28	1 289	184	594		265	347	30	143	4 634	84 973	12 620	97 593	
RO	16	28	64	12	22	981	337	675	382		595	38	907	2 206	122 059	10 690	132 749	
SE	3	264	77	264	63	933	4 707	1 582	342	212		114	243	4 777	37 314	21 520	58 834	
SI	4	15	26	8	4	155	28	125	49	62	137		175	102	7 267	3 722	10 989	
SK	7	28	33	16	6	476	131	700	54	115	260	84		5 795	42 792	4 487	47 279	
UK	11	2 466	91	617	972	7 630	2 393	8 629	3 714	127	3 751	133	2 050		194 722	435 000	629 722	
EU27+4	598	8 777	7 984	4 866	2 350	56 218	22 005	84 118	26 951	24 749	43 087	5 676	33 261	276 306	2 119 260	1 471 427	3 590 687	
Rest	112	6 146	765	2 525	640	114 000	33 000	59 630	38 920	29 390	60 600	2 479	9 120	631 600	3 343 428			
Total	710	14 923	8 749	7 391	2 990	170 218	55 005	143 748	65 871	54 139	103 687	8 155	42 381					

Table 68. IMEM estimates, 2006

From	To																	
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT	
AT		686	524	2 822	25	885	15 600	368	74	1 368	245	1 909	570	2 583	255	36	4 090	
BE	461		213	1 641	63	234	6 854	660	126	4 579	385	29 010	1 080	732	707	67	5 846	
BG	1 051	1 274		412	244	1 311	5 181	134	40	8 947	102	2 071	2 448	336	161	17	2 911	
CH	1 418	999	165		46	181	10 790	562	73	4 657	304	10 480	518	402	392	63	7 809	
CY	14	23	66	10		9	214	15	14	34	13	67	358	42	51	3	95	
CZ	1 347	581	1 377	288	61		6 539	243	49	792	159	1 624	159	214	312	27	1 129	
DE	22 800	14 610	2 922	31 890	408	5 644		5 399	686	24 920	2 004	57 190	9 594	8 710	2 841	350	27 940	
DK	270	635	102	599	8	175	3 630		121	1 624	512	1 860	344	285	370	347	1 368	
EE	62	172	21	113	14	41	584	201		275	1 692	618	46	124	159	31	266	
ES	858	3 082	800	2 680	58	264	12 660	1 176	49		708	34 300	711	482	1 133	47	5 699	
FI	316	577	54	529	12	99	2 116	561	497	1 132		1 318	232	211	339	69	937	
FR	1 597	31 910	774	15 260	183	1 042	31 770	1 931	330	30 880	817		2 818	2 094	1 945	208	35 070	
GR	364	545	927	468	960	142	7 652	262	37	1 108	156	1 750		197	181	13	2 690	
HU	3 720	1 312	302	856	124	204	13 560	376	133	1 960	215	3 839	600		1 304	53	3 873	
IE	218	2 383	84	1 006	29	225	2 523	318	104	2 442	230	2 883	382	643		54	2 116	
IS	24	71	5	67	1	10	212	468	4	214	52	166	34	13	25		18	
IT	3 114	9 088	1 142	28 200	114	915	44 800	1 355	353	16 410	685	212 400	3 799	2 070	1 595	189		
LI	54	9	5	95	1	4	75	8	0	44	4	93	12	7	3	0	75	
LT	185	279	83	126	29	157	2 934	691	154	1 982	147	839	84	53	876	71	693	
LU	91	1 328	13	189	13	26	2 085	152	11	238	62	1 939	78	40	56	20	479	
LV	93	117	12	109	46	28	1 625	342	356	385	180	732	42	43	560	32	426	
MT	21	48	10	29	6	10	193	30	5	61	15	388	20	69	38	7	290	
NL	1 191	22 230	283	2 686	123	924	19 800	1 207	145	7 898	613	8 830	1 547	1 109	1 371	136	5 474	
NO	146	517	45	224	6	87	1 549	2 560	65	1 501	908	1 269	126	46	240	173	516	
PL	5 970	4 184	355	2 009	506	3 656	152 300	2 971	191	11 710	558	12 340	1 554	918	6 625	368	12 270	
PT	411	1 222	104	967	50	79	6 452	307	54	19 580	162	52 170	344	302	405	44	2 519	
RO	4 640	1 454	540	1 661	371	1 425	24 080	403	37	26 140	224	8 347	2 113	10 290	670	57	25 260	
SE	698	1 273	117	1 000	102	281	3 497	4 045	462	2 735	4 114	2 805	802	784	526	270	1 833	
SI	1 158	376	69	484	15	94	1 692	92	13	337	29	767	86	235	174	20	2 290	
SK	2 990	296	104	689	140	15 700	6 544	218	29	1 164	45	992	167	946	290	12	1 684	
UK	1 732	7 442	72	4 971	2 600	2 705	21 360	2 875	1 481	43 580	1 469	36 290	4 500	4 576	17 970	43	11 000	
EU27+4	57 014	108 723	11 290	102 080	6 358	36 557	408 871	29 930	5 693	218 697	16 809	489 286	35 168	38 556	41 574	2 827	166 666	
Rest	54 550	63 180	8 105	65 900	5 258	58 590	496 400	31 730	2 608	402 600	21 370	740 700	51 700	20 680	33 010	1 126	395 900	
Total	111 564	171 903	19 395	167 980	11 616	95 147	905 271	61 660	8 301	621 297	38 179	1 229 986	86 868	59 236	74 584	3 953	562 566	

From	To																	
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total	
AT	138	102	50	76	17	781	190	2 389	227	1 680	541	1 017	2 423	3 739	45 410	27 160	72 570	
BE	11	168	1 556	128	54	7 876	334	1 427	705	522	847	197	308	6 504	73 295	21 680	94 975	
BG	8	68	12	21	21	519	116	421	1 347	1 337	207	35	209	3 581	34 542	4 218	38 760	
CH	121	62	64	63	40	955	278	603	480	360	639	280	438	5 241	48 483	65 360	113 843	
CY	0	14	10	17	3	44	15	119	13	85	57	10	39	3 999	5 453	4 586	10 039	
CZ	9	74	16	58	14	622	141	1 083	154	1 779	423	67	8 442	5 787	33 570	24 650	58 220	
DE	143	1 694	1 737	1 111	187	16 050	2 952	46 460	3 974	7 589	5 807	1 712	6 124	41 420	354 868	234 200	589 068	
DK	5	280	67	229	32	740	2 718	854	181	222	6 722	37	256	5 609	30 202	17 100	47 302	
EE	1	88	6	393	2	150	238	53	43	39	784	6	39	3 488	9 749	4 393	14 142	
ES	22	620	124	105	35	3 203	819	1 824	3 767	2 545	1 363	136	504	17 530	97 304	68 550	165 854	
FI	3	84	35	151	21	526	833	190	129	78	4 873	20	68	2 295	18 305	5 717	24 022	
FR	45	306	2 183	247	262	4 547	987	4 813	2 420	2 151	2 163	400	1 411	36 250	216 814	211 000	427 814	
GR	4	41	16	21	38	959	127	919	112	541	632	45	181	4 421	25 509	20 360	45 869	
HU	13	40	21	49	23	926	223	466	173	1 966	1 112	142	2 949	8 964	49 498	10 380	59 878	
IE	4	773	49	284	49	689	149	2 093	257	235	490	38	311	39 080	60 141	40 110	100 251	
IS	0	21	2	11	4	93	178	119	19	10	213	3	8	641	2 706	684	3 390	
IT	66	413	238	276	398	2 875	568	4 934	1 443	3 131	1 558	1 143	1 708	15 800	360 780	70 000	430 780	
LI		1	1	1	1	6	4	10	5	6	4	2	7	10	547	164	711	
LT	1		10	884	11	370	778	596	370	47	1 171	15	30	3 537	17 203	7 145	24 348	
LU	1	19		10	2	213	19	78	177	32	143	23	19	73	7 629	1 774	9 403	
LV	0	580	13		6	186	254	177	115	26	614	8	54	1 090	8 251	6 792	15 043	
MT	0	4	2	4		72	14	24	11	18	48	6	7	1 574	3 024	595	3 619	
NL	10	186	196	153	81		1 206	2 785	1 852	685	2 124	161	562	10 080	95 648	91 150	186 798	
NO	1	180	13	104	21	614		711	168	126	4 873	9	188	3 157	20 143	17 840	37 983	
PL	31	510	142	251	32	7 741	4 331		637	350	9 056	63	2 965	94 780	339 374	69 870	409 244	
PT	2	66	503	63	27	1 578	178	195		312	374	43	184	4 379	93 076	13 020	106 096	
RO	16	29	61	22	42	1 137	263	356	2 710		620	36	880	4 730	118 614	12 600	131 214	
SE	3	300	68	305	77	1 104	5 229	1 850	263	268		126	282	5 323	40 542	24 190	64 732	
SI	13	21	21	11	12	187	33	68	36	53	213		148	113	8 860	3 988	12 848	
SK	8	23	10	31	5	631	209	592	145	154	353	102		6 289	40 562	4 888	45 450	
UK	11	3 590	73	1 330	78	8 877	2 393	17 170	5 239	3 003	4 311	152	647		211 540	456 500	668 040	
EU27+4	690	10 357	7 299	6 409	1 595	64 271	25 777	93 379	27 172	29 350	52 335	6 034	31 391	339 484	2 471 642	1 540 664	4 012 306	
Rest	121	6 851	767	3 307	697	118 700	35 100	56 590	43 320	32 470	81 040	2 446	9 269	654 500	3 498 585			
Total	811	17 208	8 066	9 716	2 292	182 971	60 877	1										

Table 69. IMEM estimates, 2007

From	To																		
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT		
AT		676	484	3 372	47	1 269	17 010	403	70	1 582	279	1 958	577	2 912	269	47	4 369		
BE	516		370	1 791	52	461	7 379	657	139	4 834	437	32 420	1 243	784	787	32	6 363		
BG	1 700	1 909		660	749	1 726	11 710	196	24	14 680	170	2 721	6 766	287	250	14	5 475		
CH	1 714	1 159	99		8	345	11 690	504	79	4 879	351	10 870	718	402	409	39	8 620		
CY	36	27	211	11		54	284	19	3	62	35	104	567	14	93	2	201		
CZ	1 652	703	718	564	72		8 037	341	69	1 158	180	2 156	363	494	375	48	1 633		
DE	24 420	15 410	2 232	37 250	327	8 860		6 477	734	26 000	2 108	61 540	10 160	9 609	3 085	348	28 780		
DK	258	625	62	643	33	263	3 698		115	1 788	529	1 926	321	293	381	785	1 299		
EE	63	198	18	124	19	66	650	208		242	1 862	559	60	90	111	27	306		
ES	1 028	3 523	1 118	3 103	98	547	14 310	1 285	87		770	42 210	802	642	1 218	60	7 194		
FI	324	577	39	593	38	195	2 355	571	569	1 412		1 245	278	206	312	56	864		
FR	1 595	33 970	585	16 220	231	1 856	32 560	1 883	373	31 980	862		2 950	2 275	2 222	104	38 330		
GR	394	630	2 271	412	1 314	270	7 842	259	41	1 348	196	1 620		218	186	8	2 789		
HU	4 321	1 386	169	1 027	150	537	15 610	570	131	2 703	407	4 221	720		1 380	29	4 412		
IE	224	2 324	63	1 187	59	537	2 835	340	144	2 558	269	3 104	433	679		24	2 162		
IS	70	37	11	18	4	87	134	460	6	161	86	188	46	6	10		14		
IT	3 515	9 925	1 395	29 880	78	1 716	47 530	1 477	412	18 900	743	223 100	4 171	2 202	1 658	136			
LI	60	10	5	104	1	5	74	10	1	35	3	104	13	7	3	0	80		
LT	176	371	60	146	24	256	2 864	720	171	1 887	154	862	102	59	1 052	166	761		
LU	95	1 488	19	206	3	25	2 585	156	16	217	83	2 103	118	72	54	23	573		
LV	94	158	35	113	52	57	1 437	371	316	458	183	414	43	34	506	86	430		
MT	30	59	13	51	25	20	203	23	3	83	21	377	22	39	68	4	284		
NL	1 246	21 280	323	2 734	121	1 174	20 070	1 189	112	7 401	617	8 371	1 578	1 140	1 305	93	5 262		
NO	143	399	50	251	27	97	1 679	2 451	81	1 481	824	1 162	113	71	199	207	524		
PL	5 622	4 922	224	2 067	488	6 127	148 700	3 874	164	12 880	797	12 120	1 599	928	7 602	1 441	12 310		
PT	424	1 321	62	985	67	206	6 814	324	59	24 920	153	56 100	381	326	350	106	2 564		
RO	5 452	1 044	167	1 436	520	1 832	29 080	527	43	26 740	289	7 331	1 670	6 486	270	35	17 460		
SE	519	1 285	121	982	110	495	3 685	4 792	465	2 719	4 184	2 759	759	858	518	436	1 608		
SI	1 258	421	43	657	14	169	1 956	87	19	412	51	828	114	236	153	12	2 358		
SK	3 164	316	77	650	94	23 150	6 673	231	32	1 159	72	1 305	212	1 034	436	37	1 551		
UK	2 086	3 642	1 446	2 680	2 929	4 252	20 810	3 972	116	38 620	2 192	32 900	5 002	1 779	21 550	381	13 240		
EU27+4	62 199	109 795	12 490	109 917	7 754	56 654	430 264	34 377	4 594	233 299	18 907	516 678	41 901	34 182	46 812	4 786	171 816		
Rest	54 160	64 660	7 196	70 870	5 497	71 120	504 600	34 430	2 857	432 300	25 250	777 900	49 640	21 290	36 350	1 643	412 400		
Total	116 359	174 455	19 686	180 787	13 251	127 774	934 864	68 807	7 451	665 599	44 157	1 294 578	91 541	55 472	83 162	6 429	584 216		

From	To																		
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total		
AT	165	85	50	98	30	827	217	2 775	398	2 005	612	934	2 434	2 006	47 960	24 540	72 500		
BE	17	177	1 726	115	60	8 739	334	1 689	955	753	866	154	423	10 390	84 663	23 010	107 673		
BG	6	71	22	274	62	2 535	229	451	411	577	837	42	1 055	4 273	59 882	4 442	64 324		
CH	127	73	60	72	47	1 038	309	915	404	366	741	510	538	5 633	52 719	70 700	123 419		
CY	0	19	3	43	3	47	13	173	23	178	95	4	30	1 891	4 245	5 232	9 477		
CZ	10	110	28	160	16	803	193	1 377	187	2 105	497	89	9 514	3 390	37 042	24 380	61 422		
DE	137	1 833	1 873	1 126	193	17 210	4 111	54 470	5 652	9 454	6 615	2 070	6 520	33 220	381 824	247 300	629 124		
DK	5	331	43	239	35	804	2 861	1 017	204	234	7 109	58	255	1 792	28 006	16 750	44 756		
EE	1	85	3	466	2	149	345	72	38	49	822	8	29	1 610	8 282	4 907	13 189		
ES	19	718	130	206	73	3 786	851	2 685	6 713	2 809	1 555	106	646	19 990	118 282	77 290	195 572		
FI	4	72	36	122	15	638	1 113	276	140	89	4 836	27	150	1 400	18 552	5 964	24 516		
FR	42	297	2 438	274	283	5 024	1 186	5 280	4 535	2 592	2 469	332	1 825	34 620	229 193	224 800	453 993		
GR	6	47	20	31	45	1 067	146	998	281	764	742	43	308	5 898	30 194	19 040	49 234		
HU	12	35	30	37	32	1 307	329	477	442	3 433	1 593	193	4 394	12 270	62 357	10 720	73 077		
IE	5	897	50	547	63	855	210	4 155	369	241	551	86	314	35 370	60 655	43 880	104 535		
IS	4	36	5	33	9	91	129	145	30	22	240	9	46	848	2 985	883	3 868		
IT	72	382	256	342	398	3 192	653	5 471	2 596	3 471	1 664	1 082	2 198	15 340	383 955	66 330	450 285		
LI		1	1	1	1	4	6	16	10	6	5	9	4	10	589	141	730		
LT	2		26	908	7	414	1 109	503	120	73	1 135	17	96	4 719	18 960	7 110	26 070		
LU	1	27		12	7	240	28	118	310	49	163	60	27	60	8 938	2 134	11 072		
LV	1	534	9		2	193	342	69	38	37	642	7	40	2 168	8 869	7 246	16 115		
MT	0	10	2	2		50	13	21	29	51	67	4	14	627	2 215	644	2 859		
NL	7	210	200	192	85		1 316	3 233	1 570	980	2 086	162	651	13 750	98 458	96 660	195 118		
NO	1	212	13	136	16	587		950	198	101	5 197	9	275	1 771	19 225	18 570	37 795		
PL	23	493	224	356	56	9 448	6 364		610	753	9 805	92	2 435	103 400	355 924	72 470	428 394		
PT	2	98	562	72	28	1 834	240	255		305	404	38	166	6 756	105 922	13 700	119 622		
RO	17	26	66	102	24	2 057	550	257	504		981	53	3 392	3 503	111 914	12 420	124 334		
SE	4	392	95	374	70	1 133	6 256	2 236	336	367		164	315	7 188	45 225	26 040	71 265		
SI	16	12	33	12	7	214	69	67	69	114	236		199	129	9 965	3 840	13 805		
SK	8	24	15	38	7	659	329	360	149	550	323	49		4 715	47 419	5 140	52 559		
UK	12	2 986	81	514	808	7 631	3 205	31 160	2 530	848	6 546	127	3 189		217 234	479 300	696 534		
EU27+4	726	10 293	8 100	6 904	2 484	72 576	33 056	121 671	29 851	33 376	59 434	6 538	41 482	338 737	2 661 653	1 615 583	4 277 236		
Rest	112	6 971	840	2 936	744	131 100	39 050	62 980	41 260	33 120	82 360	2 186	9 340	656 400	3 641 562				
Total	838	17 264	8 94																

Table 70. IMEM estimates, 2008

From	To																
	AT	BE	BG	CH	CY	CZ	DE	DK	EE	ES	FI	FR	GR	HU	IE	IS	IT
AT		677	621	3 535	30	2 106	18 160	283	59	1 517	260	2 080	627	3 192	1 209	35	2 487
BE	531		261	1 803	75	1 068	7 870	603	119	4 031	388	34 500	1 294	901	224	56	3 455
BG	1 715	1 673		603	662	664	12 060	413	33	8 471	213	2 513	5 668	191	134	12	8 810
CH	1 811	1 283	103		60	697	13 370	459	31	3 363	342	12 760	721	485	126	72	7 557
CY	42	89	245	10		13	242	27	4	65	28	28	487	66	361	4	49
CZ	2 255	1 799	522	1 194	83		10 200	334	97	1 568	179	4 722	610	1 413	1 520	48	2 162
DE	27 030	16 380	3 428	41 920	390	12 090		6 082	705	22 720	2 262	67 160	10 900	10 890	1 397	341	25 780
DK	233	565	89	607	33	376	4 063		80	1 409	574	1 752	254	343	134	339	771
EE	81	116	32	69	32	63	658	166		231	3 033	334	45	46	337	19	238
ES	1 059	3 978	1 838	3 288	96	827	15 980	1 110	143		778	44 640	882	886	912	63	6 406
FI	296	658	53	600	52	200	2 207	510	1 405	1 197		1 281	276	303	215	56	715
FR	1 633	35 600	703	16 020	318	3 001	33 530	1 555	256	27 370	886		3 139	2 420	739	148	15 320
GR	392	598	2 735	378	1 248	341	7 918	231	23	10 776	202	1 742		228	380	14	1 572
HU	4 871	1 507	220	1 070	59	1 702	17 530	548	73	2 051	519	4 351	691		241	38	3 058
IE	205	982	114	312	52	1 193	2 997	291	212	1 959	290	2 940	272	778		10	1 388
IS	31	82	6	52	1	53	302	449	5	215	47	192	35	18	7		52
IT	4 032	9 690	1 785	32 600	114	2 349	50 230	1 205	222	18 590	845	94 600	2 885	2 176	308	141	
LI	71	12	6	113	1	13	100	2	1	27	5	114	25	8	34	0	59
LT	183	382	59	180	41	213	2 710	823	218	1 525	177	1 127	104	69	336	51	1 045
LU	97	868	16	127	2	99	2 354	132	8	234	61	1 295	136	57	132	5	411
LV	120	230	37	163	47	59	1 651	388	322	523	197	549	42	41	2 909	39	475
MT	31	89	11	37	27	35	221	39	2	87	30	457	37	29	399	5	250
NL	1 238	22 760	479	2 729	88	1 272	21 000	1 040	98	6 499	565	8 847	1 576	1 313	266	144	3 207
NO	145	429	33	215	57	138	1 629	2 125	66	1 142	811	1 168	150	59	207	123	371
PL	5 850	6 973	577	3 167	524	6 714	145 800	5 816	176	10 080	1 188	20 190	2 786	1 659	2 827	639	21 850
PT	456	1 383	200	984	81	487	7 198	284	60	17 640	201	58 390	428	330	132	30	1 505
RO	5 641	1 138	214	1 336	488	877	29 740	731	35	18 540	282	7 853	1 777	7 231	128	22	70 130
SE	485	1 338	183	940	143	723	3 626	4 825	425	2 349	4 553	2 896	688	786	1 460	255	1 256
SI	1 402	456	141	703	7	413	2 516	92	17	363	64	1 272	132	569	776	24	1 486
SK	3 698	311	124	611	99	10 750	5 771	329	18	822	123	1 083	133	973	446	12	2 027
UK	1 485	6 384	1 933	6 557	2 134	5 762	28 750	2 480	218	32 440	1 647	35 060	3 044	4 666	21 100	461	12 090
EU27+4	67 119	118 430	16 768	121 923	7 044	54 298	450 383	33 372	5 131	188 104	20 750	415 896	39 844	42 126	39 396	3 206	195 982
Rest	56 150	66 710	6 333	63 630	4 663	35 810	522 100	30 270	2 886	402 300	25 510	747 900	50 830	21 890	30 410	970	427 300
Total	123 269	185 140	23 101	185 553	11 707	90 108	972 483	63 642	8 017	590 404	46 260	1 163 796	90 674	64 016	69 806	4 176	623 282

From	To																
	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK	EU27+4	Rest	Total
AT	148	117	107	117	30	899	243	5 018	383	2 365	645	1 532	2 780	3 613	54 875	25 390	80 265
BE	16	182	1 674	118	56	9 666	392	3 930	961	741	968	430	600	3 767	80 680	23 460	104 140
BG	8	51	60	254	32	2 523	367	1 184	347	402	700	787	913	7 978	59 441	4 533	63 974
CH	142	72	128	75	51	1 079	295	1 838	438	655	806	490	658	5 613	55 580	61 320	116 900
CY	0	9	5	26	4	54	20	260	7	176	139	7	50	2 142	4 659	5 538	10 197
CZ	16	122	149	157	22	1 242	284	3 546	523	332	1 050	408	10 050	5 410	52 017	17 290	69 307
DE	169	1 806	2 896	1 256	214	19 310	4 417	80 100	5 891	11 140	6 425	2 987	7 891	49 280	443 257	254 600	697 857
DK	6	328	87	177	38	838	2 405	2 763	246	158	6 151	53	285	4 153	29 310	15 200	44 510
EE	1	96	13	325	1	159	312	165	54	16	776	25	42	2 160	9 645	3 862	13 507
ES	20	744	290	217	57	4 604	888	5 605	7 373	2 649	1 736	287	675	19 090	127 121	81 310	208 431
FI	3	112	78	172	20	693	849	961	186	117	4 827	73	151	1 027	19 293	5 497	24 790
FR	38	402	2 136	410	225	5 895	1 209	10 550	4 951	2 842	2 609	857	1 921	26 120	202 803	194 400	397 203
GR	5	68	25	44	43	1 286	166	1 969	297	1 351	809	107	305	5 146	30 699	19 770	50 469
HU	11	36	89	95	26	1 901	338	1 407	510	5 776	1 808	767	6 342	8 634	66 269	11 210	77 479
IE	3	1 436	51	652	80	955	131	13 840	430	568	570	97	659	34 780	68 247	37 390	105 637
IS	0	33	4	21	3	167	186	619	49	8	279	4	8	28	2 956	546	3 502
IT	164	406	828	326	399	4 216	764	12 040	1 984	16 350	2 002	2 904	2 179	28 470	294 804	66 080	360 884
LI		2	1	1	1	8	5	12	11	6	5	6	5	11	665	123	788
LT	1		50	1 009	4	509	1 243	1 263	123	36	1 216	36	89	5 425	20 247	7 958	28 205
LU	1	38		19	2	240	29	220	94	37	139	72	42	30	6 997	1 996	8 993
LV	1	470	17		9	272	381	312	45	55	760	25	53	5 844	16 036	7 645	23 681
MT	0	4	3	8		60	22	27	25	25	62	14	17	2 868	4 921	428	5 349
NL	7	244	469	122	89		1 228	9 709	1 619	918	2 179	253	697	14 210	104 865	81 650	186 515
NO	1	187	22	96	7	728		2 027	143	102	4 926	32	266	2 689	20 094	19 540	39 634
PL	22	810	674	458	96	15 100	8 920		1 095	574	11 780	309	3 439	99 890	379 983	73 870	453 853
PT	3	105	107	68	24	2 169	307	996		467	427	92	219	5 017	99 790	14 060	113 850
RO	14	35	164	204	29	2 207	598	772	589		1 157	362	3 246	7 010	162 550	14 280	176 830
SE	3	405	167	369	104	1 246	6 214	4 517	342	419		212	388	7 525	48 842	23 440	72 282
SI	17	29	64	18	5	298	86	305	83	118	303		400	133	12 292	5 356	17 648
SK	12	29	59	68	8	746	360	1 221	125	313	319	466		6 408	37 464	6 037	43 501
UK	13	3 339	58	384	631	10 300	3 007	71 960	3 565	1 386	6 339	1 825	4 503		273 521	490 600	764 121
EU27+4	845	11 717	10 475	7 266	2 310	89 370	35 666	239 136	32 489	50 102	61 912	15 519	48 873	364 471	2 789 923	1 574 379	4 364 302
Rest	102	7 546	2 813	3 292	570	135 200	40 120	105 600	44 640	34 040	81 500	13 480	9 069	658 40			