

Supplementary Data S 8

Estimated by EUDGFIN (E) and EUMOD21 (f) annual indexes of the potential output

	AT_IGDPc_E	BE_IGDPc_E	BG_IGDPc_E	CY_IGDPc_E	CZ_IGDPc_E	DE_IGDPc_E	DK_IGDPc_E	EE_IGDPc_E	EL_IGDPc_E	ES_IGDPc_E	FI_IGDPc_E
1996	na	na	na	na	na	na	na	na	na	na	na
1997	1.024498951	1.023102523	0.99646296	na	1.012300798	1.013897067	1.023040119	na	1.032029773	1.025535741	1.031772593
1998	1.025845288	1.023752639	1.00213633	na	1.009784839	1.014237601	1.022695014	1.041920457	1.035282648	1.028132786	1.040066789
1999	1.025993691	1.024974706	1.008679995	1.039837463	1.010766144	1.015298572	1.021360984	1.042019535	1.038196243	1.032056533	1.040286015
2000	1.026085615	1.02608102	1.02124481	1.037498126	1.019952686	1.015631504	1.021652841	1.048435796	1.041756011	1.031042723	1.038800605
2001	1.024433906	1.025148826	1.024171372	1.036290291	1.021458631	1.014577144	1.01777124	1.043515195	1.041416581	1.034887181	1.038400661
2002	1.022724514	1.022948871	1.028525339	1.038566553	1.02696652	1.012892239	1.014664445	1.05353876	1.040794349	1.031744336	1.031012745
2003	1.022307304	1.021014093	1.04110147	1.035477168	1.034528782	1.011962213	1.012390241	1.063138594	1.047340375	1.035527334	1.029203583
2004	1.023034252	1.02136073	1.05799074	1.035972314	1.042432808	1.01176811	1.012171976	1.064388109	1.040221313	1.03292429	1.027345366
2005	1.022891862	1.020795335	1.061530473	1.034619768	1.047954377	1.012086198	1.013159528	1.066045026	1.026616938	1.03426982	1.025069614
2006	1.021071176	1.019578214	1.056602676	1.039549154	1.045785101	1.01371262	1.016690163	1.061710187	1.026004365	1.033020682	1.023548592
2007	1.019052859	1.020205671	1.051609138	1.040020951	1.046182534	1.013643496	1.015863191	1.049324716	1.020796211	1.035043055	1.023654783
2008	1.015774347	1.018280443	1.049460231	1.04026316	1.038498995	1.012607878	1.014759188	1.022057049	1.009971275	1.026337346	1.018168123
2009	1.009859683	1.013024008	1.023910295	1.027263983	1.016459406	1.008028777	1.009351282	0.988000831	0.998749287	1.008513892	0.999805267
2010	1.007739646	1.014111766	1.007909006	1.023441553	1.012335989	1.011298047	1.008385319	0.990618284	0.988591023	1.00878036	1.005339361
2011	1.009039318	1.015088729	1.009208238	1.015792124	1.008354979	1.00838465	1.008556017	1.006789049	0.977535006	1.002951047	1.006012722
2012	1.009329206	1.010989104	1.01084464	0.999891954	1.00509659	1.009011098	1.0090512	1.014448076	0.971524162	0.99416591	1.003241413
2013	1.009821332	1.008883416	1.014526134	0.983943963	1.009066463	1.015549716	1.009806427	1.020193524	0.972303269	0.993018194	1.001599326
2014	1.009553916	1.010113916	1.021483364	0.980425975	1.018516016	1.015824209	1.011745606	1.026050181	0.978172291	0.99854967	1.00250328
2015	1.01181497	1.012355133	1.027320802	0.989159998	1.027186637	1.017740444	1.016168237	1.028075864	0.981348276	1.002881222	1.002655695
2016	1.013347237	1.013858868	1.025077359	1.009555982	1.025610172	1.01688257	1.019888689	1.027213879	0.985986906	1.006001655	1.010398523
2017	1.013252847	1.013282671	1.024875538	1.019277877	1.026876842	1.013852344	1.019688335	1.034044406	0.991153849	1.010011643	1.008938543
2018	1.013491306	1.014488222	1.024138352	1.0202103	1.025134224	1.013518518	1.020886787	1.035177549	0.99417011	1.012939572	1.013007808
2019	1.013182265	1.015237696	1.021755147	1.019120536	1.026183545	1.012293689	1.023141842	1.039187123	0.995970778	1.017460041	1.011765592

	FR_IGDPc_E	HR_IGDPc_E	HU_IGDPc_E	IE_IGDPc_E	IT_IGDPc_E	LT_IGDPc_E	LU_IGDPc_E	LV_IGDPc_E	MT_IGDPc_E	NL_IGDPc_E	PL_IGDPc_E
1996	na	na	na	na	na	na	na	na	na	na	na
1997	1.019711789	na	na	1.089393724	1.016557218	na	1.038445218	na	na	1.035861886	1.049110288
1998	1.020517847	na	1.030660814	1.089935211	1.016195794	na	1.044526553	na	na	1.037164284	1.054248069
1999	1.020965121	na	1.035358152	1.089342442	1.015066352	1.060228183	1.053654115	1.056026481	na	1.037047103	1.047264981
2000	1.02136568	na	1.037141666	1.083402401	1.015244042	1.057682913	1.05223166	1.061761205	na	1.034258851	1.047404475
2001	1.019402854	na	1.039111912	1.076339645	1.013838902	1.059585617	1.048912269	1.063640397	1.032741519	1.031110369	1.04274711
2002	1.017644765	1.03291623	1.041167408	1.067626493	1.011263966	1.06466884	1.043891713	1.062496258	1.015726888	1.02439413	1.038463661
2003	1.017642691	1.042580455	1.039467669	1.056974846	1.00984742	1.060968791	1.042750986	1.067819196	1.023998826	1.020271735	1.037533483
2004	1.018600435	1.039586562	1.0399645	1.051863686	1.0116895	1.058238705	1.044279633	1.076506427	1.02214051	1.017689505	1.036451484
2005	1.018543142	1.03982677	1.034657405	1.04800219	1.006493049	1.056987944	1.041990263	1.079854971	1.026237994	1.015288332	1.033377354
2006	1.017830017	1.036748505	1.027359936	1.041413841	1.006544786	1.061220493	1.038956548	1.075622071	1.023819858	1.017911182	1.038910709
2007	1.017554453	1.029911324	1.019294342	1.02985027	1.00764448	1.071199229	1.036527295	1.071076318	1.0275609	1.019743089	1.044063267
2008	1.015804032	1.02066558	1.010264284	1.007171119	1.002900624	1.054358849	1.031127391	1.035404066	1.025167443	1.017146642	1.045947007
2009	1.01079225	0.997978178	0.998519537	0.99138939	0.997346777	1.007919747	1.018310301	0.995108751	1.020261938	1.010512143	1.040124342
2010	1.011288855	0.987436649	0.994818969	0.988273639	0.99805084	0.999481045	1.014294561	0.977881876	1.028377472	1.006316274	1.038563368
2011	1.011098704	0.986683689	0.997453945	0.993995303	1.000241854	1.010208852	1.021429278	0.9887031	1.022831041	1.007115855	1.042816417
2012	1.009879698	0.98780148	1.00082887	1.007756121	0.990410369	1.013636786	1.024579594	1.000915955	1.03241668	1.004468821	1.034782554
2013	1.009935595	0.994807918	1.011058006	1.018345095	0.997902793	1.019013961	1.025178775	1.00677134	1.041882337	1.003696416	1.029145588
2014	1.009193323	1.000513699	1.020785528	1.034344577	0.998963006	1.019714851	1.027811883	1.0141497	1.05353974	1.00580524	1.030960634
2015	1.007925504	1.009783074	1.025973523	1.233946319	0.997313002	1.01879527	1.024214494	1.020083907	1.076818196	1.01400016	1.031310817
2016	1.00846791	1.017148215	1.023974386	1.050042066	0.997455977	1.016715347	1.024517927	1.017179561	1.070157983	1.013497223	1.027055864
2017	1.009379764	1.01660025	1.031085449	1.080753229	1.00145362	1.021115224	1.021895848	1.02230446	1.063631083	1.015659772	1.029706426
2018	1.009833467	1.017672522	1.037290934	1.086492689	1.002533861	1.027635704	1.01772802	1.027211625	1.060127393	1.016475857	1.032174754
2019	1.011380356	1.017577306	1.03888827	1.055786627	1.005831147	1.03758476	1.020592933	1.026985087	1.04509607	1.018073603	1.034948183

	PT_IGDPc_E	RO_IGDPc_E	SE_IGDPc_E	SI_IGDPc_E	SK_IGDPc_E	UK_IGDPc_E
1996	na	na	na	na	na	na
1997	1.032731761	1.000538768	1.025340751	na	na	1.028975723
1998	1.037406134	1.003602015	1.028736197	na	na	1.031634022
1999	1.035387418	1.009037172	1.029703486	1.042119125	1.038430171	1.032191887
2000	1.033588524	1.021635478	1.031282565	1.037659655	1.026628851	1.032800709
2001	1.028540414	1.024930958	1.031839378	1.033963825	1.03619426	1.031567626
2002	1.02067808	1.028877493	1.030384754	1.030656076	1.040338786	1.029636382
2003	1.013454482	1.040958714	1.029317121	1.031927769	1.042235665	1.027909775
2004	1.012470913	1.056217711	1.028497636	1.033561	1.046701797	1.026534323
2005	1.00921459	1.056370398	1.026861524	1.032938293	1.060368282	1.025420187
2006	1.009122591	1.063336032	1.027719872	1.036105409	1.063974513	1.022807012
2007	1.007702878	1.071202157	1.026635205	1.036851996	1.065277223	1.020648534
2008	1.005509606	1.065820059	1.022777207	1.037046494	1.058804492	1.015386111
2009	0.997737333	1.020162153	1.016194305	1.020745816	1.033314232	1.007572012
2010	0.99812227	1.006099283	1.017890054	1.00981468	1.033946411	1.009998868
2011	0.991664681	1.008544781	1.016672826	1.005393918	1.036813233	1.009323942
2012	0.986296169	1.016203554	1.014903987	1.003057464	1.023972084	1.0096166
2013	0.990828864	1.023177443	1.016261977	1.004672474	1.019833696	1.010567704
2014	0.999178273	1.02944135	1.018827551	1.008428847	1.018637693	1.013811374
2015	1.005609274	1.039921247	1.021054264	1.010195525	1.026753454	1.015381317
2016	1.010545846	1.043530485	1.021254607	1.012494832	1.018458842	1.015936889
2017	1.015942527	1.046405938	1.021461215	1.01787534	1.019558028	1.01506463
2018	1.017500795	1.047320346	1.019897552	1.024385432	1.021578645	1.013420138
2019	1.018370457	1.046226089	1.018233013	1.023794296	1.022871385	1.013753282

	AT_IGDPc_f	BE_IGDPc_f	BG_IGDPc_f	CY_IGDPc_f	CZ_IGDPc_f	DE_IGDPc_f	DK_IGDPc_f	EE_IGDPc_f	EL_IGDPc_f	ES_IGDPc_f	FI_IGDPc_f
1996	na	na	na	na	na	na	na	na	na	na	na
1997	1.025642884	1.03272566	0.918042522	1.042069135	0.996824141	1.016096385	1.027602257	1.110746868	1.040881647	1.042192889	1.063693423
1998	1.031273173	1.028953079	0.976323313	1.056921307	1.010473731	1.017832955	1.02717966	1.079244194	1.047483131	1.048108348	1.058356435
1999	1.031917828	1.028829975	1.002394508	1.058750142	1.018867157	1.018345843	1.025850769	1.05505688	1.04011185	1.047988957	1.051697699
2000	1.027485238	1.027075454	1.010978883	1.048803821	1.025822343	1.020017436	1.024049477	1.059037924	1.030365249	1.039635462	1.043883994
2001	1.020046059	1.022015968	1.009710359	1.031225006	1.023267826	1.015874288	1.019820394	1.061818366	1.031642685	1.031250052	1.031401432
2002	1.018422514	1.021626873	1.010380279	1.025810345	1.021813658	1.011235395	1.01841148	1.063899185	1.038878171	1.028815274	1.02373593
2003	1.020722055	1.021517268	1.02094443	1.029670812	1.023974955	1.011264877	1.019325183	1.064949966	1.038477196	1.032733138	1.02363955
2004	1.02390541	1.022548886	1.037077405	1.036722634	1.032517122	1.015858341	1.021710231	1.066847124	1.030006738	1.037319381	1.028753228
2005	1.025163918	1.023008835	1.049776266	1.041842936	1.040106284	1.021996888	1.023808918	1.064986954	1.021980124	1.037743643	1.033382632
2006	1.023396187	1.022835835	1.052611584	1.043734095	1.040545463	1.024646057	1.022244294	1.05376144	1.02486555	1.031554842	1.031826774
2007	1.015765796	1.017563192	1.046544081	1.036947831	1.031657053	1.018039352	1.013482725	1.015906712	1.019986084	1.022345253	1.018507431
2008	1.005273445	1.00835078	1.030545399	1.026061633	1.019432973	1.005572519	1.001144589	0.97361089	1.003557759	1.010492716	0.999116819
2009	0.998859873	1.004503355	1.012958874	1.01577768	1.014100527	0.996292145	0.992429678	0.96346112	0.98052259	0.996444634	0.986635399
2010	1.009031958	1.012258053	1.014215519	1.013607951	1.02460511	1.011502465	1.003389857	1.009724613	0.961093302	0.994286917	1.003868558
2011	1.015391965	1.016138826	1.018175244	1.005274428	1.027876845	1.020553476	1.012882089	1.04803441	0.950308417	0.99101841	1.015279849
2012	1.013881214	1.013710271	1.02298918	0.99501131	1.022008814	1.016525749	1.013074468	1.0563598	0.951685173	0.991206647	1.010765782
2013	1.011281355	1.012248081	1.024906691	0.992472901	1.01747865	1.009390619	1.011662582	1.043823433	0.972418978	0.999354711	1.002791638
2014	1.012627068	1.01337339	1.033824757	1.007516424	1.024303275	1.007433024	1.012579231	1.032115454	0.991479118	1.013252373	1.002847104
2015	1.013392613	1.013409156	1.036988214	1.017424814	1.032403947	1.010682934	1.013871294	1.027518854	0.998900502	1.021190612	1.006351209
2016	1.015401176	1.01382803	1.048175989	1.029480109	1.039281122	1.015718479	1.016341591	1.033921824	1.000681845	1.021377592	1.013382772
2017	1.018134322	1.016259312	1.060077066	1.032150978	1.040249564	1.019230969	1.018360312	1.039214707	0.997212221	1.022292804	1.01885033
2018	1.020709811	1.018511801	1.063249593	1.030640387	1.035479338	1.016330686	1.018930862	1.038738501	0.995739046	1.02100704	1.018089305
2019	1.021635647	1.020627871	1.054153513	1.03229094	1.026927709	1.009898208	1.017217094	1.032860105	1.006595271	1.017778519	1.011941587

	FR_IGDPc_f	HR_IGDPc_f	HU_IGDPc_f	IE_IGDPc_f	IT_IGDPc_f	LT_IGDPc_f	LU_IGDPc_f	LV_IGDPc_f	MT_IGDPc_f	NL_IGDPc_f	PL_IGDPc_f
1996	na	na	na	na	na	na	na	na	na	na	na
1997	1.027120267	1.048175827	1.030630528	1.107884028	1.017868797	1.06816566	1.022091177	1.091495136	0.887868557	1.043673015	1.057185325
1998	1.032827774	1.031014891	1.039290633	1.105666044	1.020422193	1.055671887	1.029180772	1.074745962	0.924906824	1.044372495	1.05030624
1999	1.033577214	1.025155128	1.04127339	1.091536058	1.022504098	1.045121443	1.027514225	1.06014198	0.975368889	1.040518402	1.042917337
2000	1.029470538	1.032226099	1.040298895	1.068640429	1.021767889	1.048569455	1.040074306	1.054825576	0.992202916	1.034534364	1.036200191
2001	1.021078828	1.039022187	1.041010239	1.052467018	1.015582233	1.065382942	1.03707692	1.052872456	1.009398991	1.025245819	1.032168869
2002	1.016470826	1.042974571	1.042943389	1.050807264	1.010656038	1.073962074	1.035145896	1.059682421	1.018963218	1.019339647	1.034571769
2003	1.017037182	1.038224692	1.039775439	1.052726659	1.007682637	1.070116891	1.031296197	1.068341789	1.025308393	1.016936992	1.036465073
2004	1.019852965	1.034887439	1.035385227	1.062819544	1.008727908	1.0647489	1.033080478	1.073537153	1.028141376	1.01825567	1.035319979
2005	1.020250936	1.035695509	1.03223076	1.063520789	1.012546445	1.062573967	1.039581133	1.068459343	1.031452779	1.021777005	1.03526522
2006	1.017398162	1.033270288	1.026066149	1.050672583	1.01401822	1.054458816	1.041668715	1.059801882	1.034677521	1.023412597	1.042003289
2007	1.010712919	1.021501051	1.017101009	1.021593023	1.006413503	1.033979993	1.036536915	1.020632063	1.039494298	1.017621281	1.047773373
2008	1.002481146	1.002823705	1.005025655	0.994286737	0.993899621	1.003094604	1.012784039	0.966631627	1.034427478	1.009696235	1.047572877
2009	0.999594095	0.982107373	0.992594364	0.993219475	0.986410586	0.974358913	1.001682347	0.94064475	1.021568267	1.001067235	1.044881297
2010	1.009422046	0.984609517	1.004323122	1.01618105	0.996145727	1.001422309	1.014105769	0.970746372	1.022140152	1.006330466	1.043647923
2011	1.015405177	0.995526492	1.014574612	1.037959877	0.998322352	1.02864761	1.022743659	1.011939931	1.026661492	1.009723141	1.036128219
2012	1.014401897	1.002283655	1.019042217	1.048148044	0.99345007	1.040129787	1.025489816	1.036836205	1.035975562	1.007115085	1.026035776
2013	1.011660049	1.005340268	1.022528807	1.064523893	0.991836261	1.040784276	1.029638084	1.047206267	1.049747782	1.006425575	1.025699223
2014	1.01000457	1.013916755	1.025747254	1.093964899	0.997089126	1.042541168	1.032841313	1.048088592	1.057187656	1.010606936	1.033618231
2015	1.009002264	1.020074532	1.025065451	1.117771839	1.003586445	1.043069392	1.033107588	1.048806433	1.062123885	1.015534788	1.038359807
2016	1.010854856	1.026574995	1.027894082	1.081729867	1.006563496	1.045171436	1.035221835	1.051750548	1.063622624	1.018651813	1.040741288
2017	1.014592799	1.028620335	1.034925508	1.052060248	1.008093786	1.045689977	1.035346078	1.050235606	1.066508496	1.020126804	1.043486111
2018	1.016675659	1.028599018	1.039656391	1.037226654	1.005354038	1.045173883	1.033426726	1.045537127	1.062686419	1.021486543	1.046404928
2019	1.016848247	1.023305863	1.038649185	1.022610891	0.99830236	1.043245759	1.026355054	1.042518718	1.058202807	1.020866605	1.045434152

	PT_IGDPc_f	RO_IGDPc_f	SE_IGDPc_f	SI_IGDPc_f	SK_IGDPc_f	UK_IGDPc_f
1996	na	na	na	na	na	na
1997	1.044147223	0.961501448	1.007190455	1.003395359	1.051045051	1.026253927
1998	1.0428074	0.988506789	1.022928763	1.024828987	1.045352297	1.03411361
1999	1.037467236	1.006069757	1.036079134	1.036419944	1.033047502	1.039876954
2000	1.026462576	1.019985153	1.039517216	1.042291047	1.030331174	1.041208154
2001	1.015215963	1.033696764	1.030643003	1.037432575	1.029199996	1.034380946
2002	1.00930674	1.036275016	1.026880886	1.035098671	1.030026185	1.027038602
2003	1.011442504	1.039032522	1.023783809	1.04018953	1.038884867	1.024138421
2004	1.020676225	1.042988373	1.03219479	1.048624134	1.055383245	1.02711949
2005	1.025223713	1.048863546	1.041316951	1.055825251	1.067562763	1.027627402
2006	1.019621453	1.052834715	1.039816649	1.057008846	1.076383068	1.026413074
2007	1.011733031	1.046835526	1.029988187	1.046272106	1.066899943	1.020177936
2008	1.00346046	1.026403285	1.013323726	1.018732423	1.04018067	1.00609796
2009	0.995855714	1.002152104	1.005078084	0.98811591	1.012982886	0.991300779
2010	0.995428909	1.004901247	1.018694936	0.988489402	1.018373477	0.996485865
2011	0.98884056	1.021825179	1.024196209	0.993279877	1.027110629	1.00701505
2012	0.982693842	1.034531188	1.016279774	0.997562181	1.030784289	1.016206243
2013	0.989972756	1.038396813	1.005204956	0.996757046	1.023150693	1.018809703
2014	1.000804457	1.046414456	1.008242551	1.004151224	1.020810299	1.019061813
2015	1.008324884	1.052442207	1.021159257	1.015895825	1.025914528	1.019374757
2016	1.013761681	1.055089528	1.029611396	1.02467697	1.029453236	1.018233298
2017	1.018592963	1.056389551	1.033188876	1.033176199	1.034503008	1.01797306
2018	1.020508114	1.058457615	1.030929329	1.0423532	1.034485793	1.014665317
2019	1.020458584	1.062762903	1.026890994	1.05285727	1.029813788	1.01006104