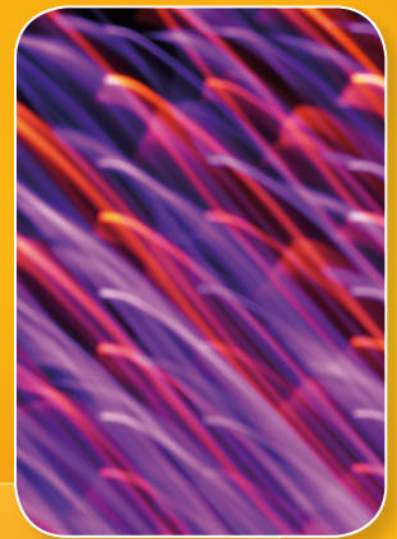


UCTE



July 2007

Monthly provisional values
union for the co-ordination of transmission of electricity

Table of contents		Page
1	Electricity supply situation of the countries	2
2	Physical energy flows	3
3	Monthly consumption	4
4	Monthly consumption variation	6
5	Consumption of the last 12 months	8
6	Variation of the last 12 months' consumption	10
7	Load flows (night)	12
8	Load flows (day)	13
9	Unavailability of international tie lines (major events)	14
10	Network reliability (major events)	16
11	Scheduled exchanges	17
12	Load on the 3 rd Wednesday	18

General remarks and abbreviations used in the tables

- All values of production and consumption in chapter 1, 3&4, 5&6 and 12 are calculated to represent 100% of the national values.
- DK_W Denmark West represents the Western part of Denmark synchronously interconnected with UCTE (Jutland and Funen).
- UA_W Ukraine West represents the so-called Burshtyn Island synchronously interconnected with UCTE.
- CET Central European Time
- The Bulgarian values of production and consumption are gross values.

Countries	Net production in GWh							Exchange balance in GWh	Pump in GWh	Consumption in GWh			
	Therm. nuclear	Therm. conv.	Hydro prod	Other renew.	Of which wind	Not identify	Total			monthly	var. [%]	last 12 months	var. [%]
AT	0	1450	3511	0	0	701	5662 ¹	11	332	5341	1,3	66413	0,5
BA	0	620	273	0	0	0	893	-4	0	889	4,2	10957	-2,1
BE ²	3532	2474	139	236	37	0	6381 ¹	562	144	6799	-1,3	88531	-1,3
BG	687	2168	0	0	0	0	2855	-461	34	2360	-2,6	33272	-9,3
CH	2271	176	4532	86	1	0	7065 ¹	-2108	227	4730	0,3	62157	-2,4
CZ	2334	3602	107	20	8	0	6063 ¹	-1392	8	4663	2,7	63332	-1,4
DE	9318	28653	2503	4915	2991	0	45389 ¹	577	762	45204	0,0	556500	-0,9
ES	3857	14839	2763	2466	1754	0	23925 ¹	-290	327	23308	-1,0	262710	2,4
FR	31819	2632	6073	659	330	0	41183 ¹	-5730	508	34945	0,0	465844	-4,1
GR	0	4636	523	149	135	0	5308 ¹	629	82	5855	16,6	55190	3,4
HR	0	555	316	2	2	0	873 ¹	632	20	1485	4,4	16651	-1,9
HU ³	1011	1907	0	0	0	0	2918 ¹	583	0	3501	3,9	40778	1,2
IT	0	22611	4459	742	320	0	27812 ¹	3997	619	31190	-1,2	337312	0,6
LU	0	217	69	14	6	0	300	340	85	555	-0,4	6718	2,4
ME	0	0	61	0	0	0	61	325	0	386	n.a.	2672	n.a.
MK	0	352	69	0	0	0	421 ¹	213	0	634	9,9	8259	-0,9
NL	352	6385	0	667	283	0	7404 ¹	1827	0	9231	2,2	116343	0,5
PL	0	11033	146	41	32	0	11220 ¹	-218	63	10939	3,6	138465	2,7
PT	0	2529	720	511	348	0	3760 ¹	601	51	4310	0,0	51087	1,3
RO	473	2982	1237	0	0	0	4692 ¹	-144	7	4541	8,4	53253	1,9
RS	0	2124	651	0	0	0	2775	93	42	2826	n.a.	22946	n.a.
SI	497	445	295	0	0	0	1237	-116	0	1121	0,4	13366	2,4
SK	1135	465	306	24	0	0	1930 ¹	193	21	2102	1,0	27088	0,4
DK_W	0	914	2	545	425	0	1461 ¹	142	0	1603	-0,9	21614	-0,3
UCTE⁴	57286	113769	28755	11077	6672	701	211588¹	262	3332	208518	1,7	2538788	0,3
UA_W	0	783	11	0	0	0	794 ¹	-386	0	408	27,1	4235	-3,1

¹ Including deliveries from industry

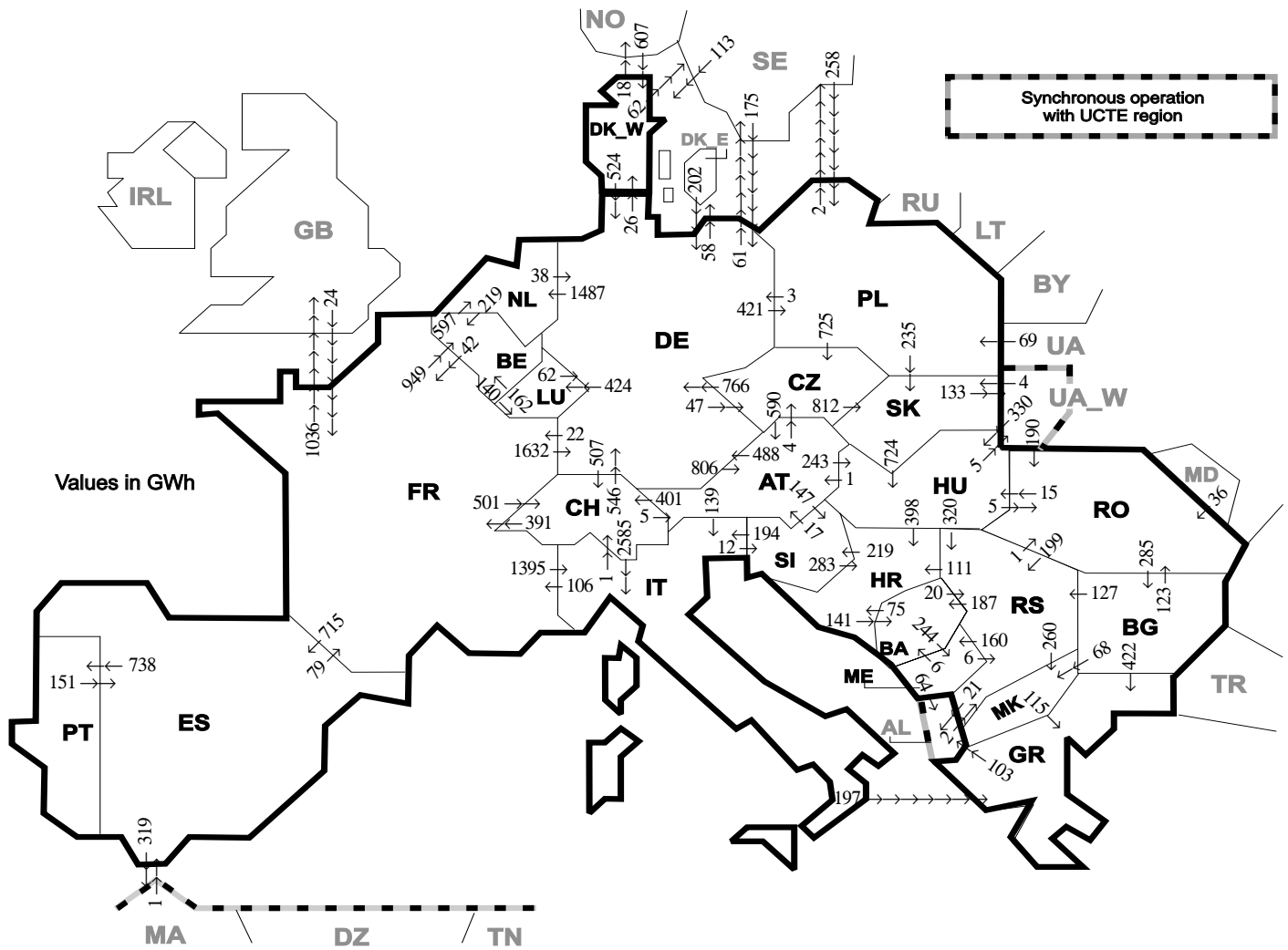
² The reported figures are best estimates based on actual measurements and extrapolations

³ Data on hydro, other renewable, not clearly identifiable production are not yet available

⁴ From June 2007 on including DK_W

All representativities of the national production and consumption values used to calculate values at a representativity of 100% as stated in the table above

Countries	AT	BA	BE	BG	CH	CZ	DE	ES	FR	GR	HR	HU	IT	LU	ME	MK	NL	PL	PT	RO	RS	SI	SK	DK_W	UA_W
Production																									
Therm.nuclear	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Thermal conv.	100	100	100	100	100	100	100	97	100	100	100	100	100	100	100	100	100	100	95	100	100	100	100	100	100
Hydro prod	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Other renew.	100	100	100	100	100	100	100	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Not identify	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Consumption	100	100	100	100	100	100	100	98	100	100	100	100	100	100	100	100	100	100	97	100	100	95	100	100	100



Exporting countries	AT	BA	BE	BG	CH	CZ	DE	ES	FR	GR	HR	HU	IT	LU	ME	MK	NL	PL	PT	RO	RS	SI	SK	DK_W	UA_W	Other III ¹	Sum export
AT	-	-	-	-	401	4	488	-	-	-	-	243	139	-	-	-	-	-	-	-	-	147	-	-	-	-	1422
BA	-	-	-	-	-	-	-	-	-	-	75	-	-	-	244	-	-	-	-	-	-	-	-	-	-	-	339
BE	-	-	-	-	-	-	-	-	42	-	-	-	-	140	-	-	597	-	-	-	-	-	-	-	-	-	779
BG	-	-	-	-	-	-	-	-	-	422	-	-	-	-	-	68	-	-	-	123	127	-	-	-	-	0	740
CH	5	-	-	-	-	-	546	-	391	-	-	-	2585	-	-	-	-	-	-	-	-	-	-	-	-	-	3527
CZ	590	-	-	-	-	-	766	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	812	-	-	-	2168
DE	806	-	-	-	507	47	-	-	22	-	-	-	424	-	-	-	1487	421	-	-	-	-	-	26	119	-	3859
ES	-	-	-	-	-	-	-	-	79	-	-	-	-	-	-	-	-	-	738	-	-	-	-	-	-	319	1136
FR	-	-	949	-	501	-	1632	715	-	-	-	-	1395	-	-	-	-	-	-	-	-	-	-	-	-	-	6228
GR	-	-	-	0	-	-	-	-	-	-	-	-	0	-	-	0	-	-	-	-	-	-	-	-	-	-	103
HR	-	141	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	219	-	-	-	-	360
HU	1	-	-	-	-	-	-	-	-	-	398	-	-	-	-	-	-	-	-	5	320	0	-	5	-	-	729
IT	0	-	-	-	1	-	-	-	106	197	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	316
LU	-	-	162	-	-	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	224
ME	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	64	76
MK	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115
NL	-	-	219	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	257
PL	-	-	-	-	-	725	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	235	-	-	-	-	965
PT	-	-	-	-	-	-	-	151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	151
RO	-	-	-	285	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	199	-	-	-	0	0	499
RS	-	187	-	0	-	-	-	-	-	-	111	0	-	-	160	260	-	-	-	1	-	-	-	-	-	21	740
SI	17	-	-	-	-	-	-	-	-	-	-	283	194	-	-	-	-	-	-	-	-	-	-	-	-	-	494
SK	-	-	-	-	-	0	-	-	-	-	-	724	-	-	-	-	-	-	0	-	-	-	-	-	-	-	857
DK_W	-	-	-	-	-	-	524	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	133	-	80	604
UA_W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	524
Other III ¹	-	-	-	0	-	-	377	1	24	0	-	-	-	-	0	-	-	327	-	36	2	-	-	720	-	-	1487
Sum imp	1419	334	1330	285	1410	776	4436	867	664	734	867	1312	4313	564	404	328	2084	748	738	355	674	378	1051	746	138	1744	28699

Sum of physical energy flows between UCTE countries = 24806GWh

Total physical energy flows = 28699GWh

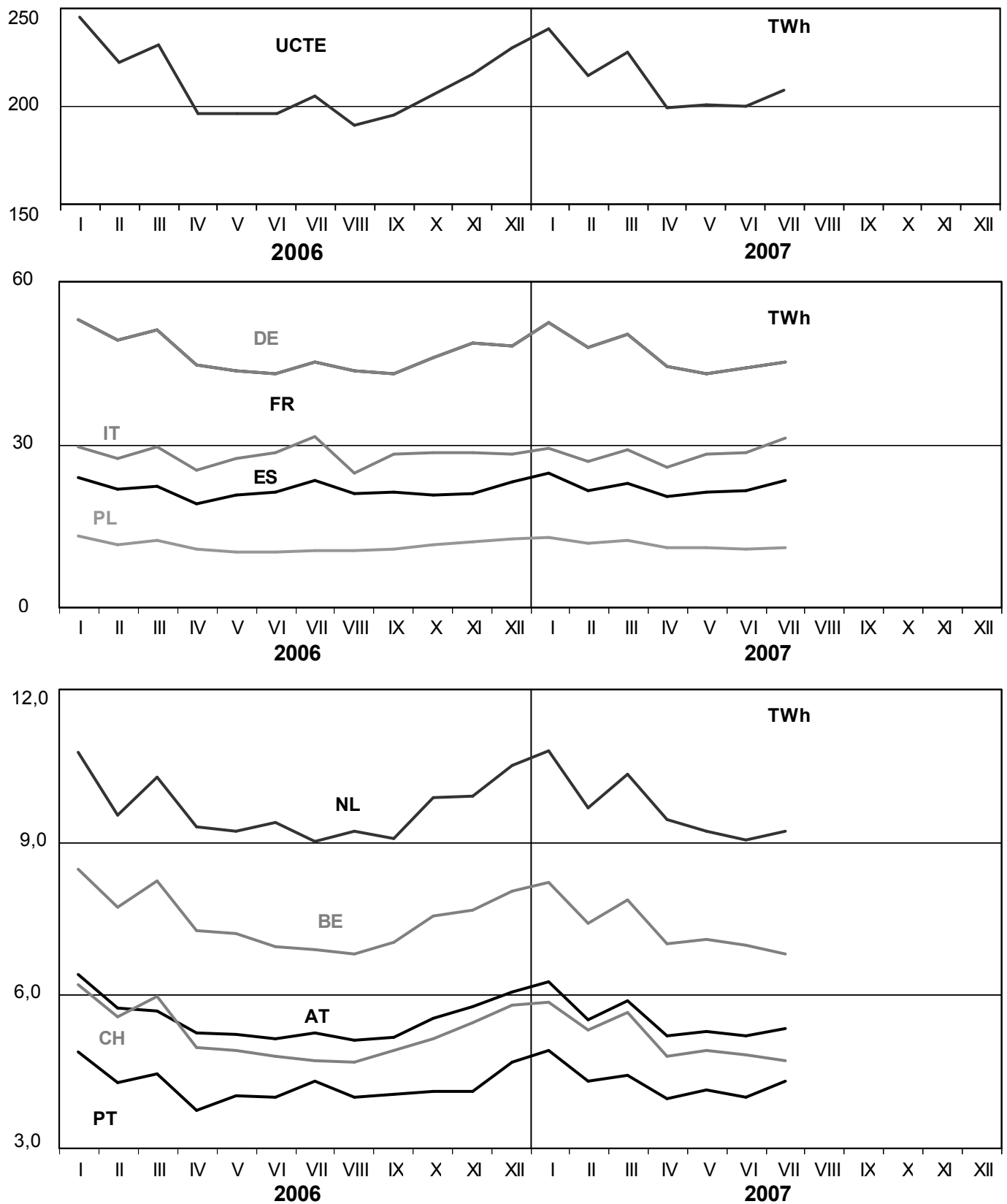
¹ Other III: Albania, Belarus, Denmark East, Great Britain, Morocco, Republic of Moldavia, Norway, Sweden, Republic of Turkey and Ukraine

These physical energy flows were measured on the cross-frontier transmission lines (≤ 110 kV) listed in table 9 of the Statistical Yearbook. These values may differ from the official statistics and the exchange balances in chapter 1.

3

Monthly consumption

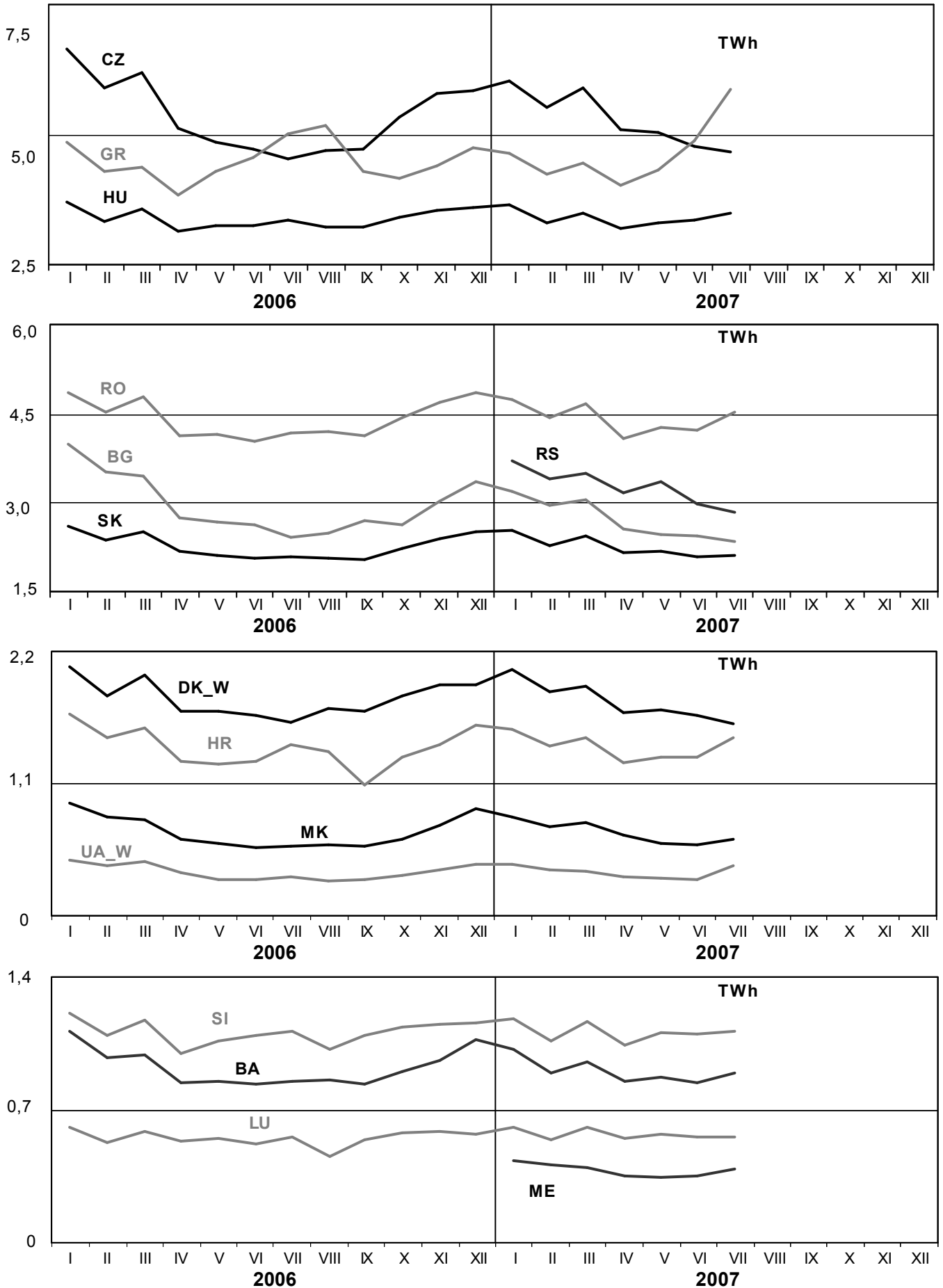
July 2007



3

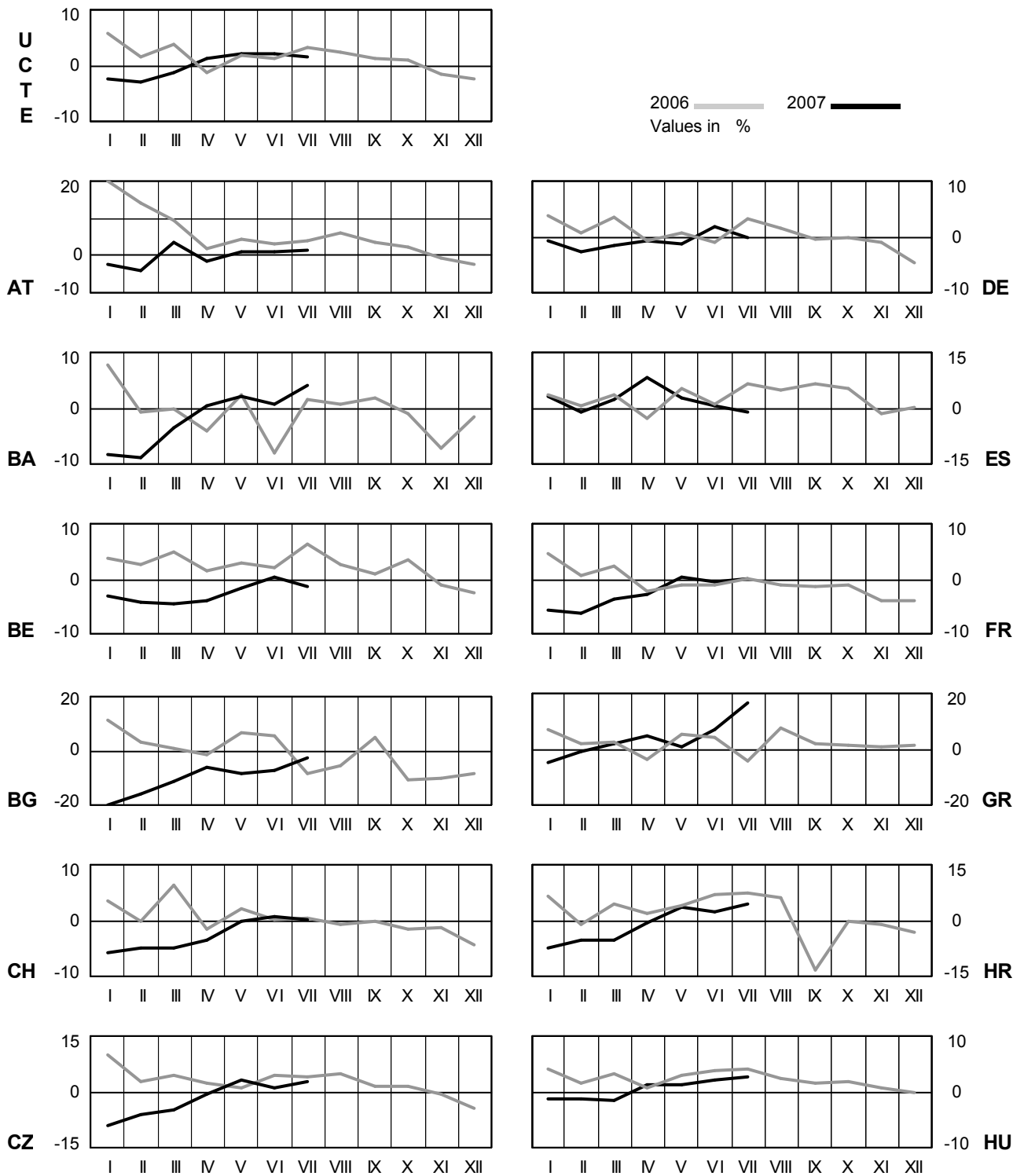
Monthly consumption

July 2007



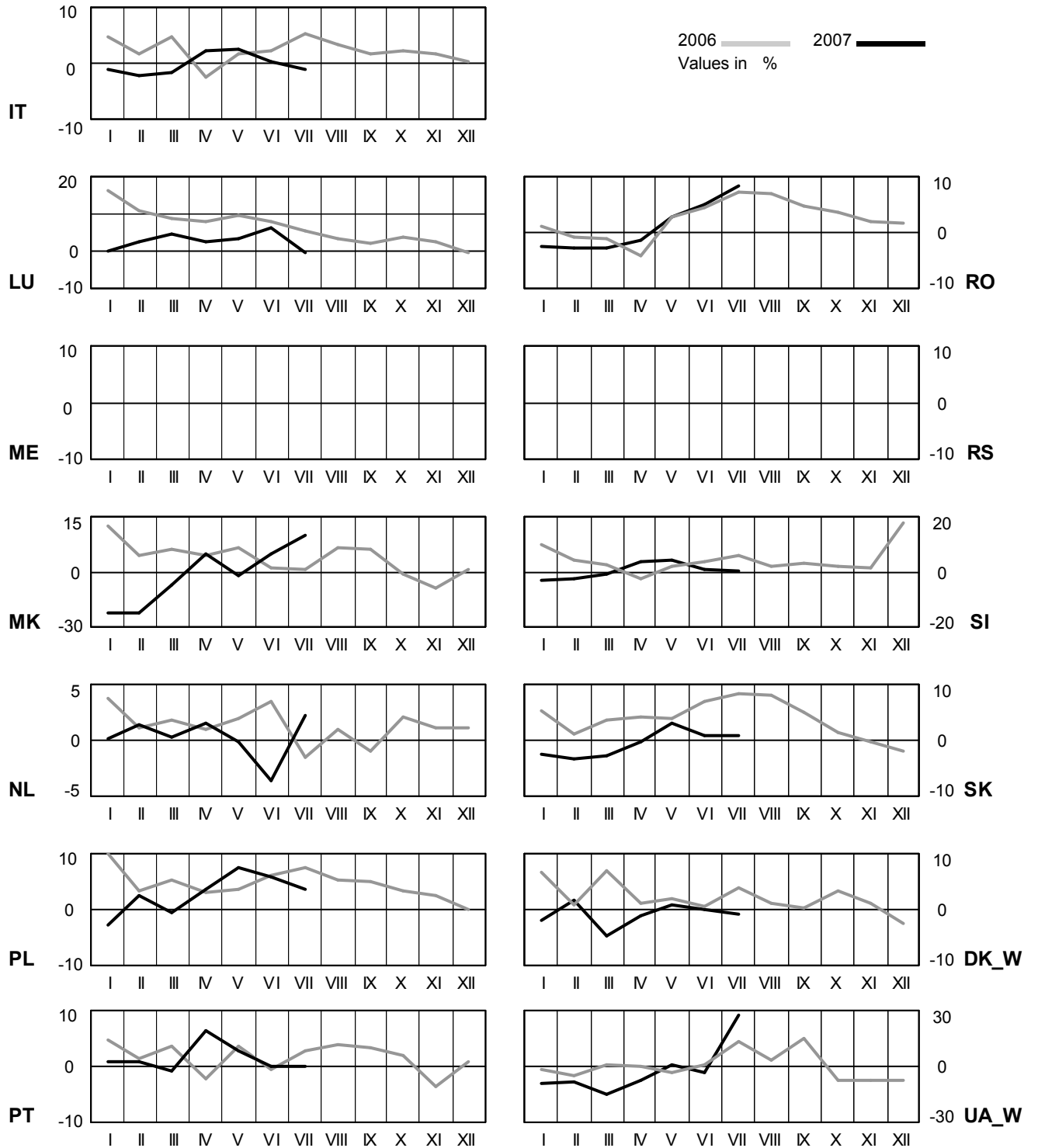
4 Monthly consumption variation

July 2007



4 Monthly consumption variation

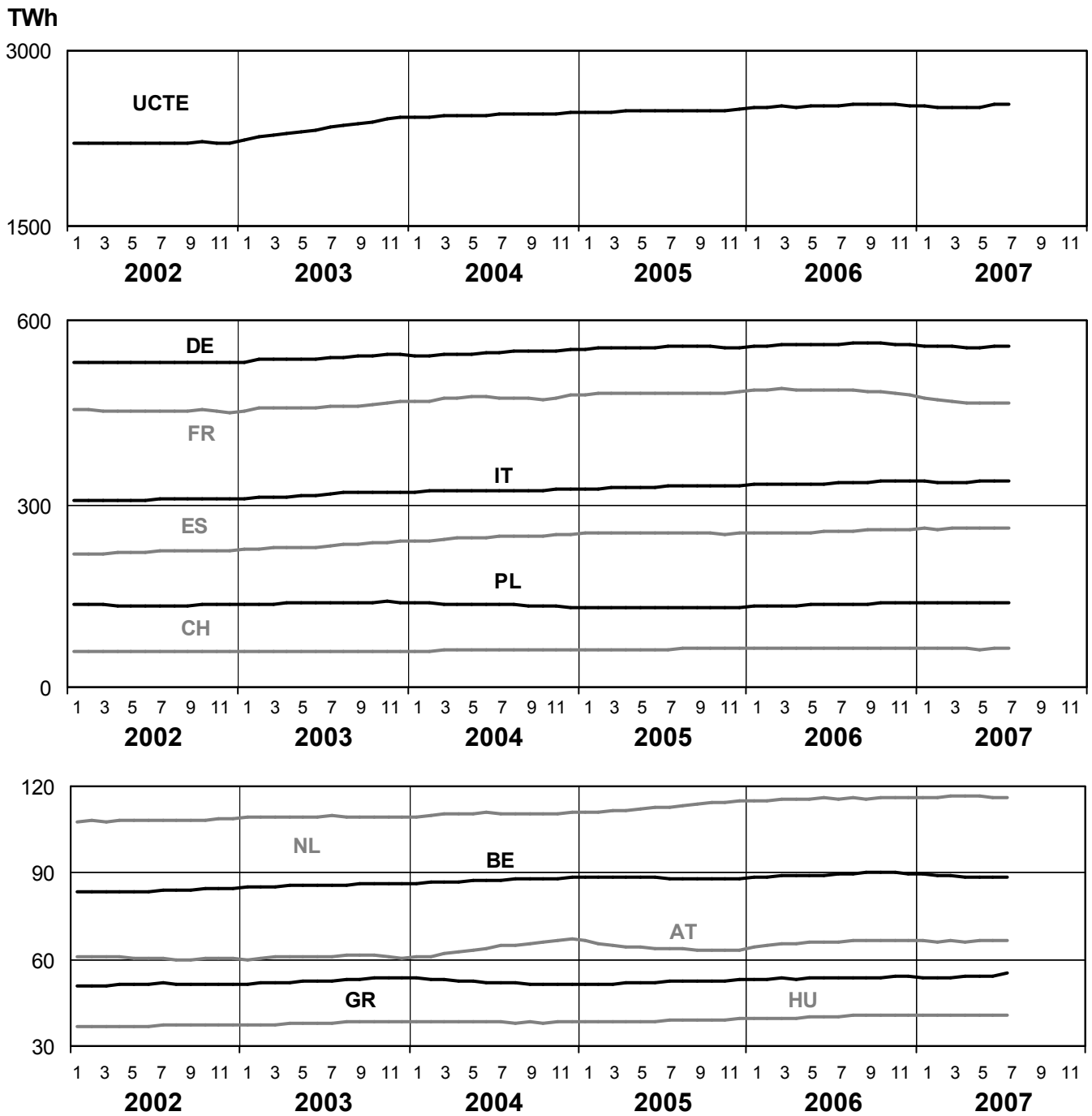
July 2007



5

Consumption of the last 12 months

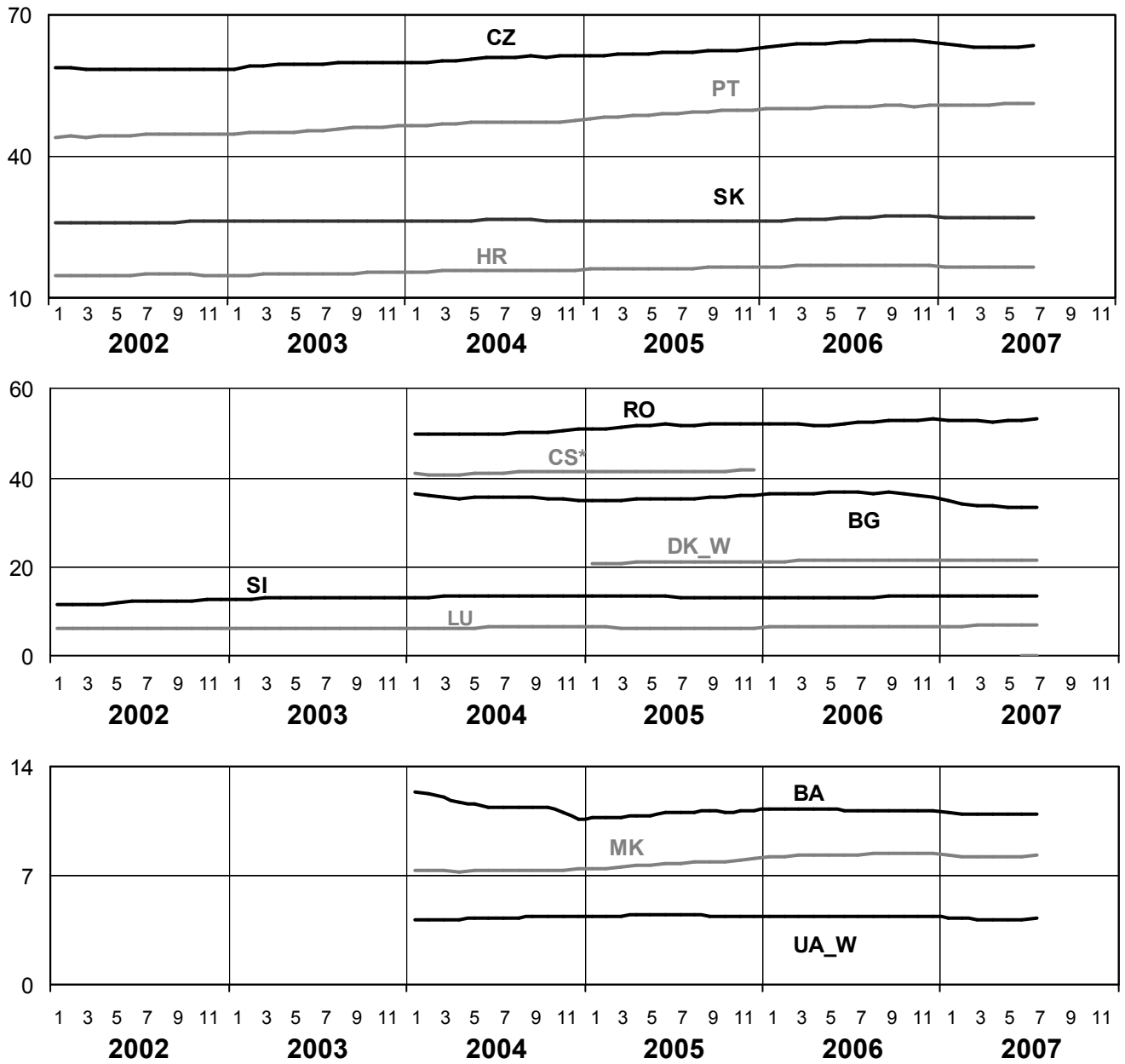
July 2007



5

Consumption of the last 12 months

July 2007

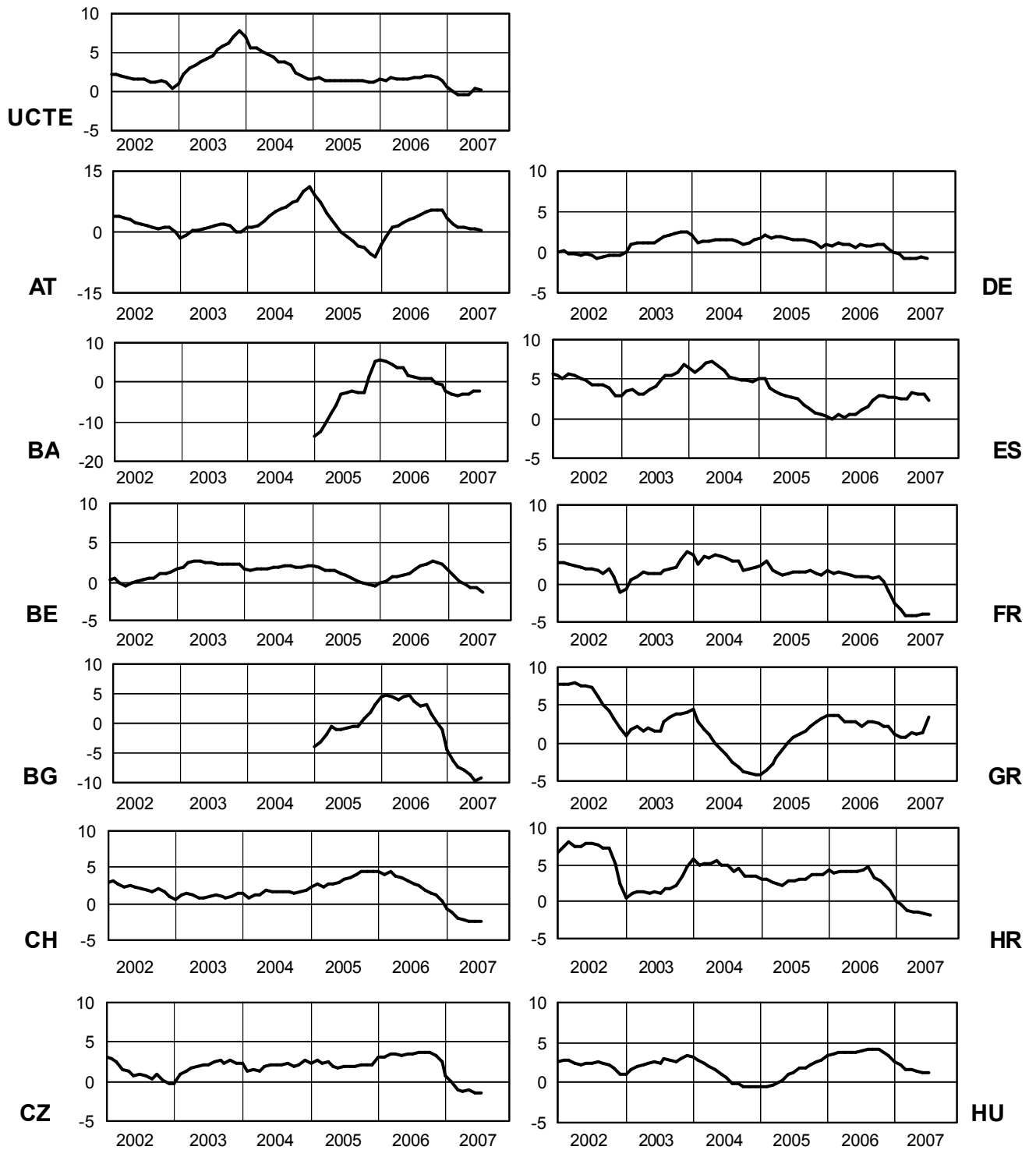


* CS consumption values until December 2006; from 2007 on ME and RS as separate countries

6

Variation of the last 12 months' consumption in %

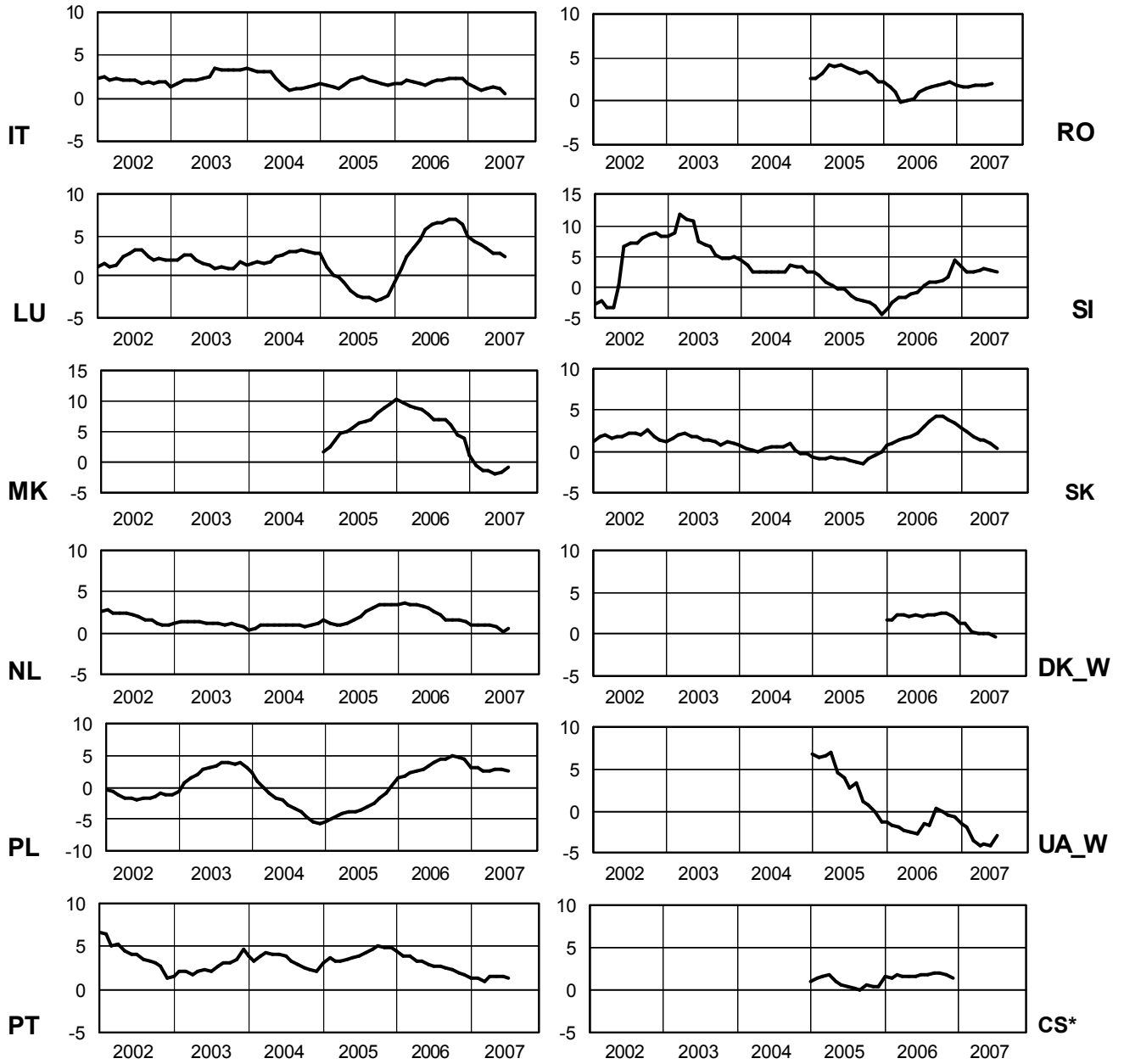
July 2007



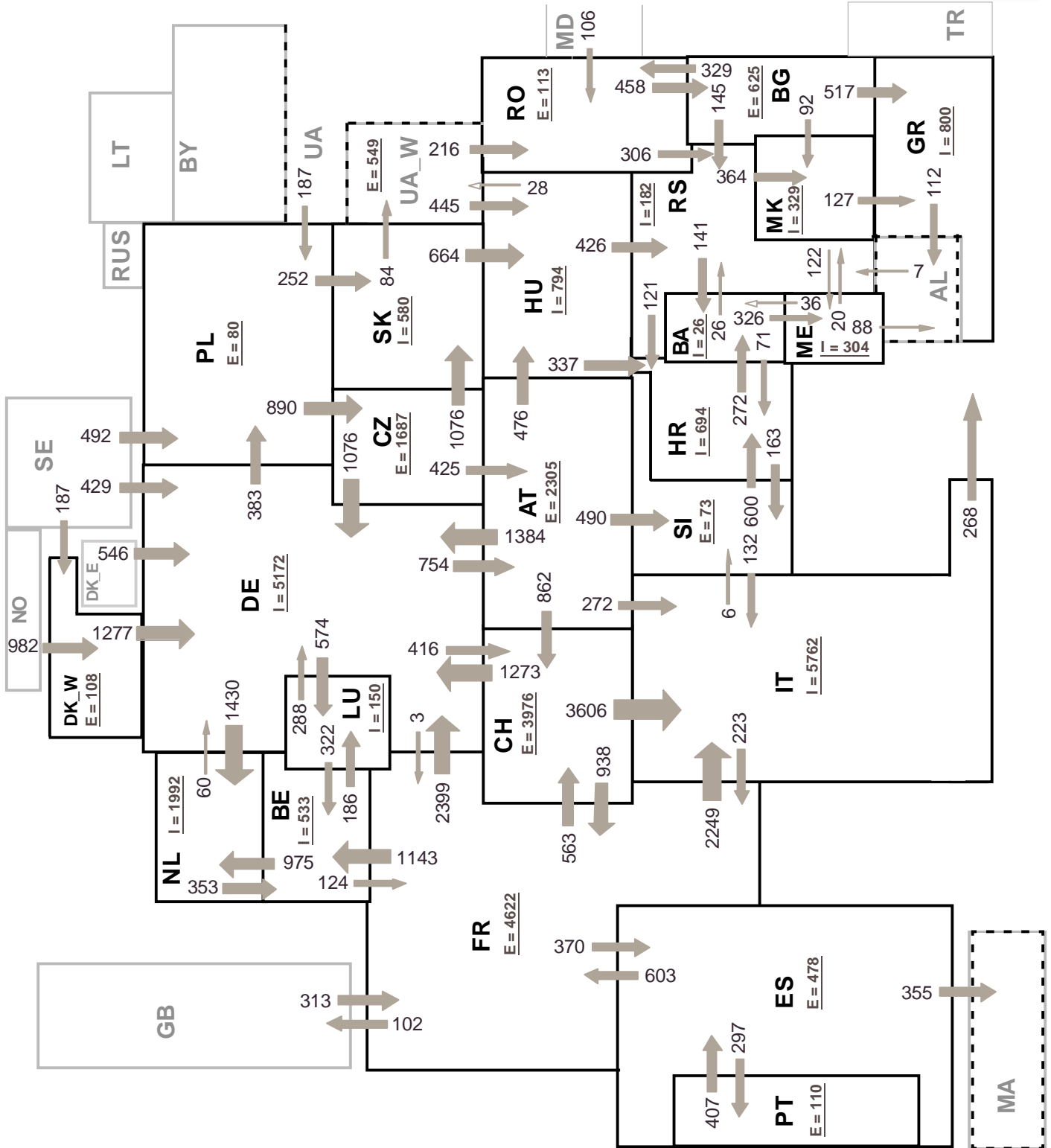
6

Variation of the last 12 months' consumption in %

July 2007



* CS consumption values until December 2006; from 2007 on ME and RS as separate countries



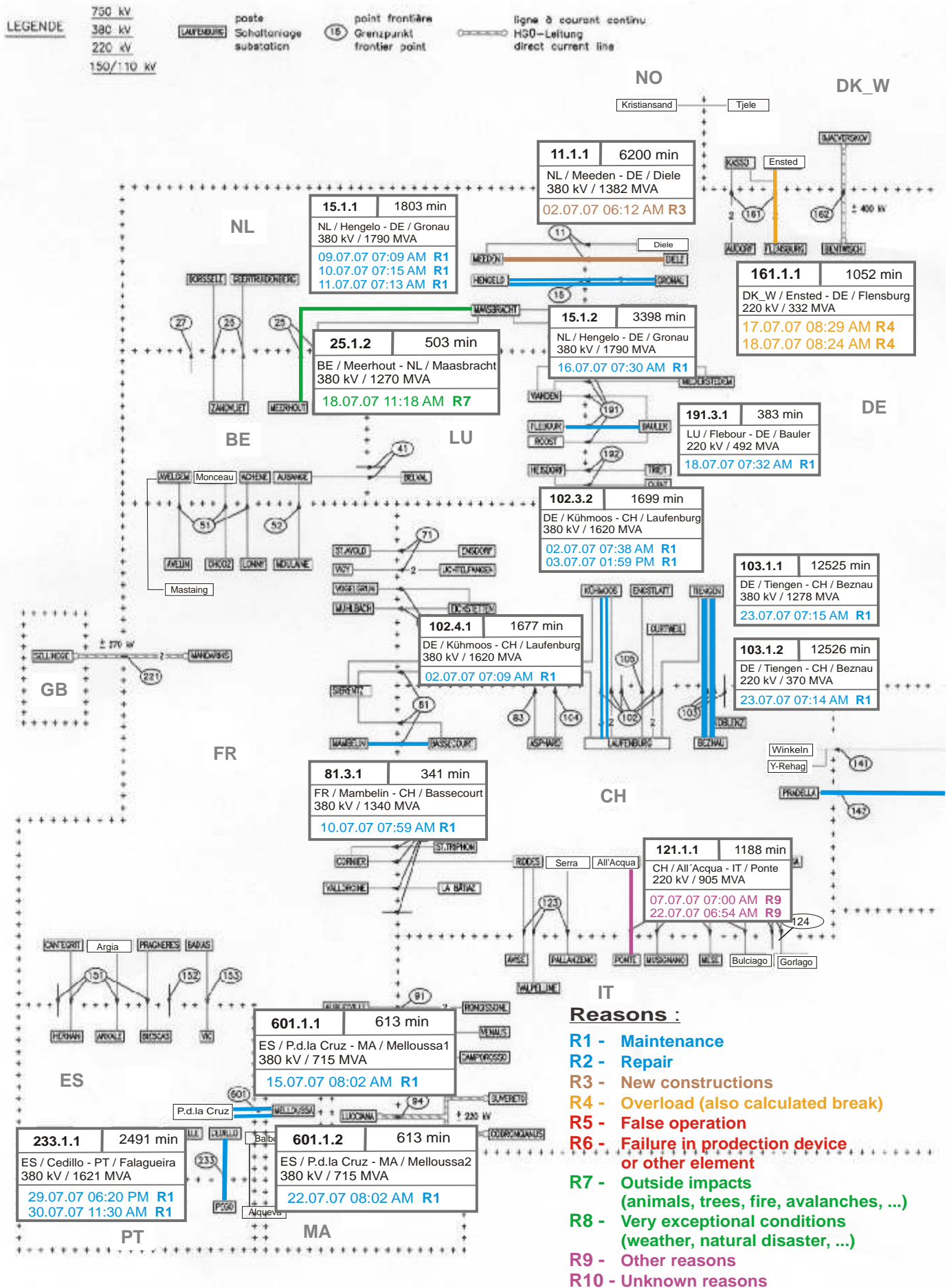
Sum of load flows in MW

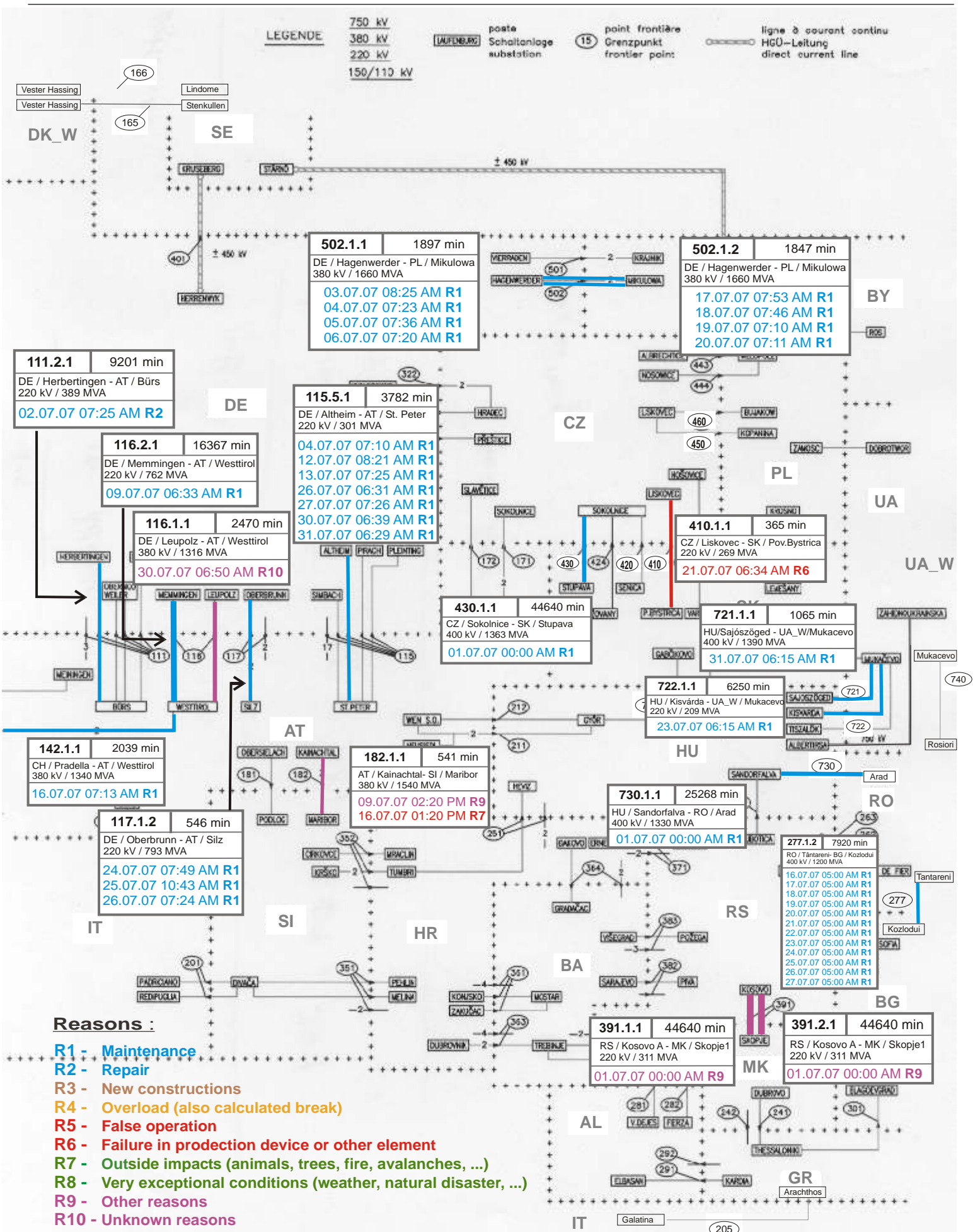
UCTE = 34190 MW

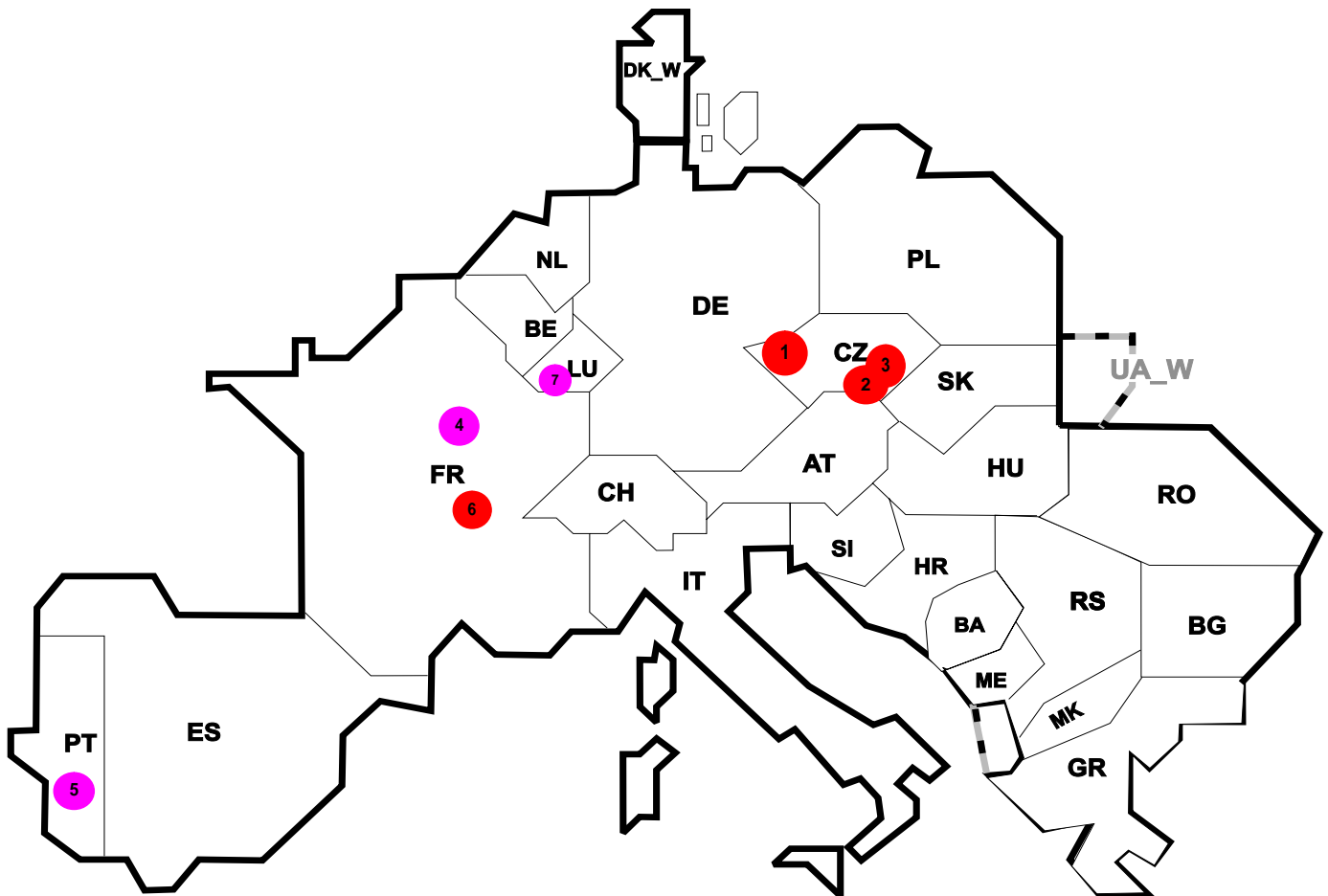
Total = 39167 MW

Synchronous operation with UCTE region

I = Import balance
E = Export balance







Reasons:

- R4** Overload (also calculated break)
- R5** False operation
- R6** Failure in protection device or other element
- R7** Outside impacts (animals, trees, fire, avalanches, ...)
(animals, trees, fire, avalanches, ...)
- R8** Very exceptional conditions
(weather, natural disaster, ...)
- R9** Other reasons
- R10** Unknown reasons

No	Country	Substation	Reason	Energy not supplied ² [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption ¹
1	CZ	Cechy Stred	R6	230	1342	35	1,909
2	CZ	Sokolnice	R6	80	8	6	0,664
3	CZ	Slavetice	R6	43	29	4	0,357
4	FR	Les Arpents	R10	64	42	92	0,072
5	PT	Custoias	R9	6	0	4	0,064
6	FR	Ampere	R6	21	31	40	0,024
7	LU	Roost	R10	0	29	2	0,023

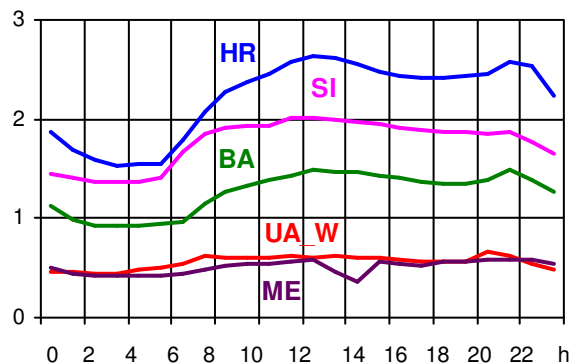
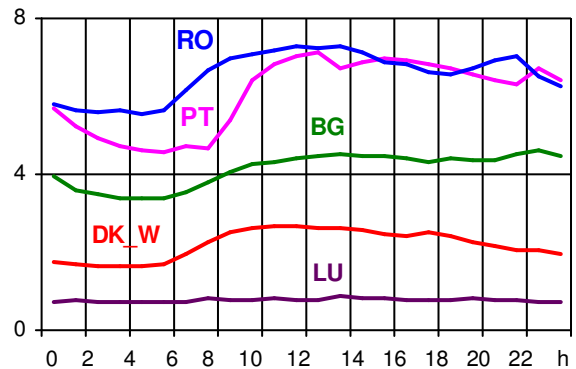
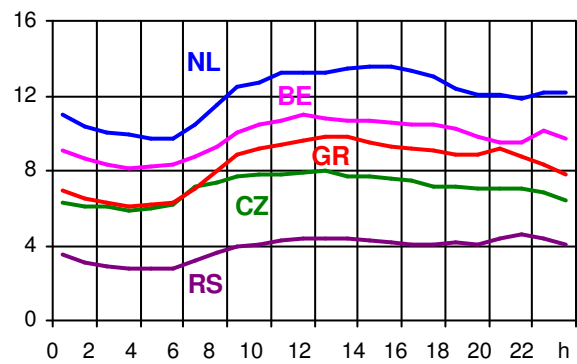
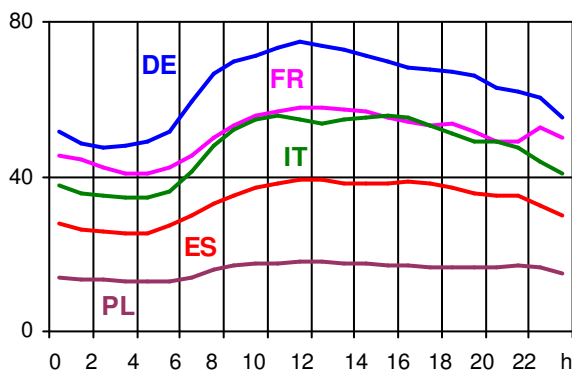
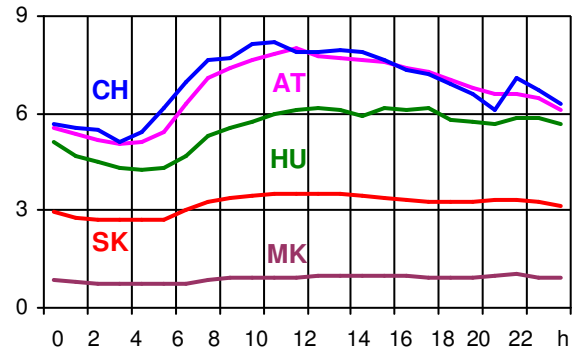
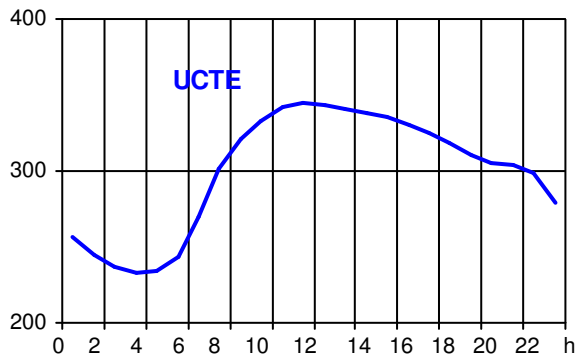
¹ (year [in min] * energy not supplied) / consumption last 12 months

Control area	Export Programs	Import Programs	Export Programs at 03:00	Import Programs at 03:00	Export Programs at 11:00	Import Programs at 11:00
AT	608909	1019628	1324	826	1874	976
BA	332407	321711	80	185	167	185
BE	589202	1121644	311	612	458	854
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	3521732	1414006	3803	1878	6095	2138
CZ	2032111	604828	3189	551	2886	1164
DE	2623874	2569783	2922	2625	2721	4729
ES	1016558	724365	503	2000	1137	565
FR	7547854	1975190	9711	2293	8060	3469
GR	3751	632900	25	1020	25	849
HR	314449	820453	354	948	354	1046
HU	673402	1255937	885	1630	1001	1771
IT	315821	4313197	684	5324	497	6259
ME	149115	473937	95	532	112	587
MK	29100	242200	0	213	29	344
NL	167081	1994743	225	1989	277	2263
PL	479915	359923	425	743	600	681
PT	3823	605230	0	800	65	0
RO	286058	141632	309	166	349	119
RS	503609	399103	634	432	614	557
SI	532132	423757	609	730	775	695
SK	813177	941199	1048	1232	1095	1574
DK_W	745794	548868	975	1033	1339	1200
UA_W	412934	30448	589	69	614	68

- Control areas can differ from national borders (i.e. German block which includes parts of AT, LU and DK).
- Values are calculated on an hourly base (MWh).
- This values are not the provisional values entered in the VULCANUS system, but the definitive values after an eventual correction during the actual date.
- Export Programs: Sum of all positive values of every hour of every border
- Import Programs: Sum of all negative values of every hour of every border
- Export Programs at 03:00: Sum of all positive values the third Wednesday from 02:00 to 03:00 a.m.
- Import Programs at 03:00: Sum of all negative values the third Wednesday from 02:00 to 03:00 a.m.
- Export Programs at 11:00: Sum of all positive values the third Wednesday from 10:00 to 11:00 a.m.
- Import Programs at 11:00: Sum of all negative values the third Wednesday from 10:00 to 11:00 a.m.

Consumption hourly load curves on 18.07.2007 CET

Values in GW



	Highest load MW	var.% ¹	Load representativity %
AT	8023	3,8	100
BA	1491	3,3	100
BE ²	10705	-1,7	100
BG	4626	6,9	100
CH	8209	3,9	100
CZ	7962	3,8	100
DE	74601	2,9	91
ES	39326	-2,4	98
FR	57763	-0,8	100
GR	9771	19,9	100
HR	2633	13,1	100
HU	6174	8,9	100
IT	55883	5,1	100
LU	865	0,0	100
ME	591	-	100
MK	1025	7,3	100
NL	13571	-12,5	100
PL	17903	6,1	100
PT	7140	-4,4	97
RO	7290	13,4	100
RS	4568	-	100
SI	2019	4,5	95
SK	3543	3,3	100
DK_W	2684	2,6	100
UCTE³	345197	2,8	
UA_W	671	2,6	100

¹ Variation as compared to corresponding month of the previous year

² The reported figures are best estimates based on actual measurements and extrapolations.

³ From June 2007 on including DK_W



Contact

Boulevard Saint-Michel, 15
B-1040 Brussels – Belgium
Tel +32 2 741 69 40 – Fax +32 2 741 69 49

info@ucte.org
www.ucte.org