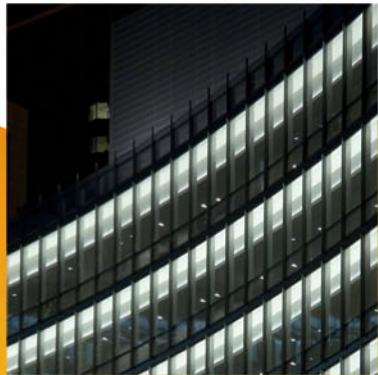


UCTE



April 2006

Monthly provisional values

union for the co-ordination of transmission of electricity

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General remarks and abbreviations used in the tables

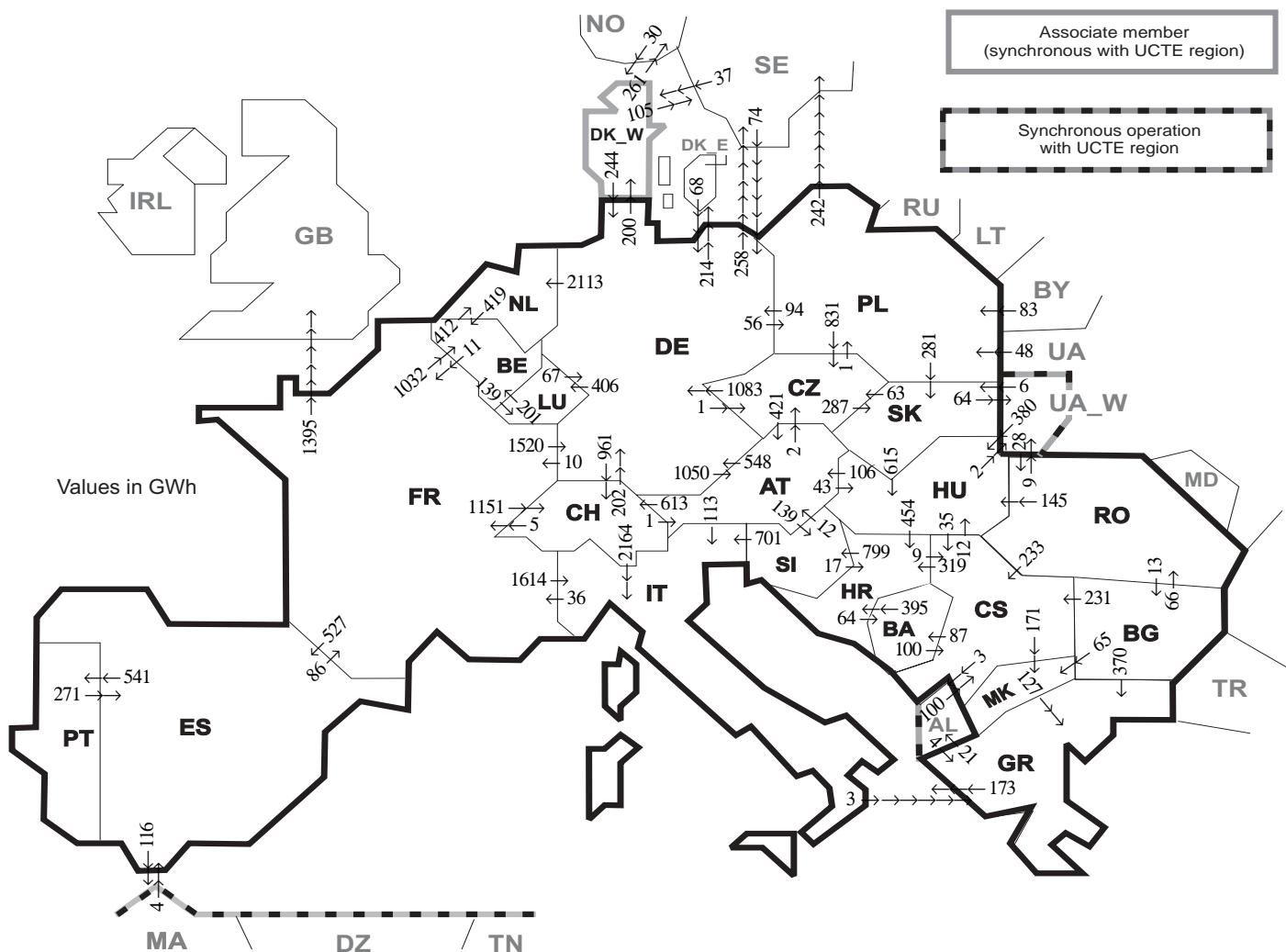
- All values of production and consumption in chapter 1, 3&4, 5&6 and 12 are calculated to represent 100% of the national values.
- DK_W Denmark West represents the Western part of Denmark synchronously interconnected with UCTE (Jutland and Funen).
- UA_W Ukraine West represents the so-called Burshtyn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

Coun- tries	Net production in GWh							Exchange balance in GWh	Pump monthly in GWh	Consumption in GWh			
	Therm. nuclear	Therm. conv.	Hydro prod	Other renew.	Of which	Not iden- tify	Total			var. [%]	last 12 months	var. [%]	
AT	0	1492	3301	0	0	634	5427 ¹	100	261	5266	1,7	65520	1,6
BA	0	373	827	0	0	0	1200	-353	0	847	-4,0	11228	3,7
BE ²	3751	2189	146	176	18	0	6262 ¹	1089	139	7212	2,0	88027	0,2
BG	1677	1208	606	0	0	0	3491	-725	31	2735	-1,6	36592	4,0
CH	2331	179	2202	83	0	0	4795 ¹	361	168	4988	-1,7	63515	3,7
CS	0	2044	1228	0	0	0	3272 ¹	116	135	3253	0,8	41935	1,2
CZ	2313	3257	494	9	2	0	6073 ¹	-894	56	5123	2,2	63795	3,4
DE	13453	27582	2311	3151	2152	0	46497 ¹	-1369	604	44524	-1,2	558249	0,6
ES	3551	10682	2903	2295	1783	0	19431 ¹	38	317	19152	-2,7	250962	-1,2
FR	35880	2063	6870	407	129	0	45220	-7230	605	37385	-3,3	485769	1,1
GR	0	2790	667	92	85	0	3549 ¹	310	26	3833	-3,9	53218	2,8
HR	0	261	730	1	1	0	992 ¹	304	7	1289	1,7	16739	4,1
HU ³	944	1608	0	0	0	0	2552 ¹	597	0	3149	1,1	39805	3,7
IT	0	17247	3313	688	272	0	21248 ¹	4726	737	25237	-1,2	331874	2,0
LU	0	271	76	9	4	0	356	277	95	538	7,8	6452	3,3
MK	0	347	174	0	0	0	521 ¹	119	0	640	4,7	8288	8,9
NL	324	6262	0	607	210	0	7193 ¹	2106	0	9299	1,0	115555	3,4
PL	0	11614	396	25	18	0	12035 ¹	-1260	131	10644	3,0	133133	2,6
PT	0	2098	1095	349	189	0	3542 ¹	280	39	3783	-1,1	50406	3,8
RO	372	2407	1693	0	0	0	4472 ¹	-305	30	4137	-4,1	51674	-0,1
SI	107	313	380	0	0	0	800	204	0	1004	-2,4	12931	-1,7
SK	1103	374	643	1	0	236	2357 ¹	-168	21	2168	4,1	26585	1,5
UCTE	65806	96661	30055	7893	4863	870	201285 ¹	-1677	3402	196206	-1,1	2512252	1,3
DK_W	0	1537	3	510	387	0	2050 ¹	-343	0	1707	1,1	21584	2,2
UA_W	0	674	19	0	0	0	693 ¹	-339	0	354	0,3	4340	-2,4

¹ Including deliveries from industry² 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.

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	CS	CZ	DE	ES	FR	GR	HR	HU	IT	LU	MK	NL	PL	PT	RO	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	
Thermal conv.	100	100	100	100	100	100	100	100	97	100	100	100	100	100	100	100	100	100	93	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	
Other renew.	100	100	100	100	100	100	100	100	95	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	
Consumption	100	100	100	100	100	100	100	100	98	100	100	100	100	100	100	100	100	100	96	100	95	100	100	

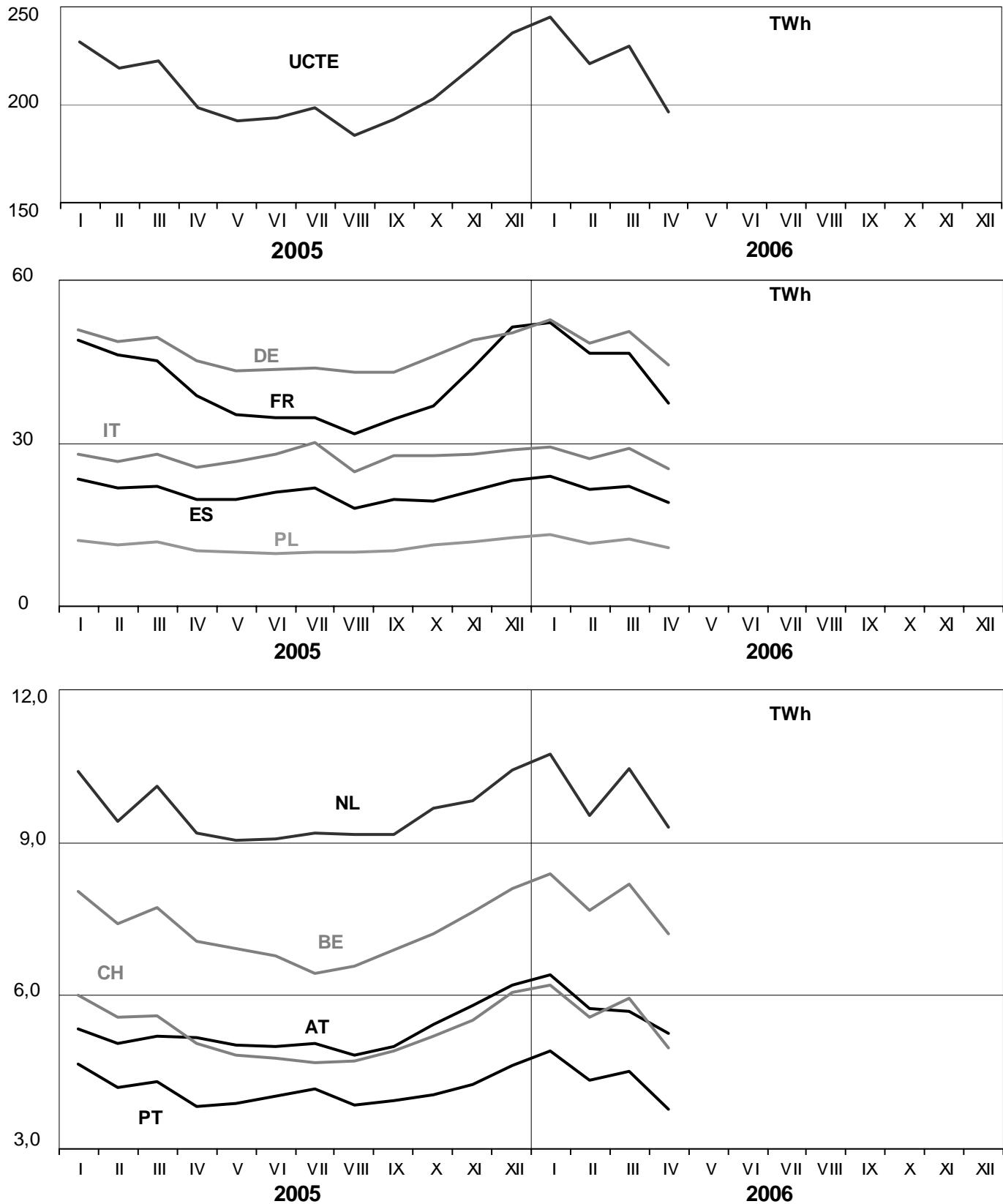


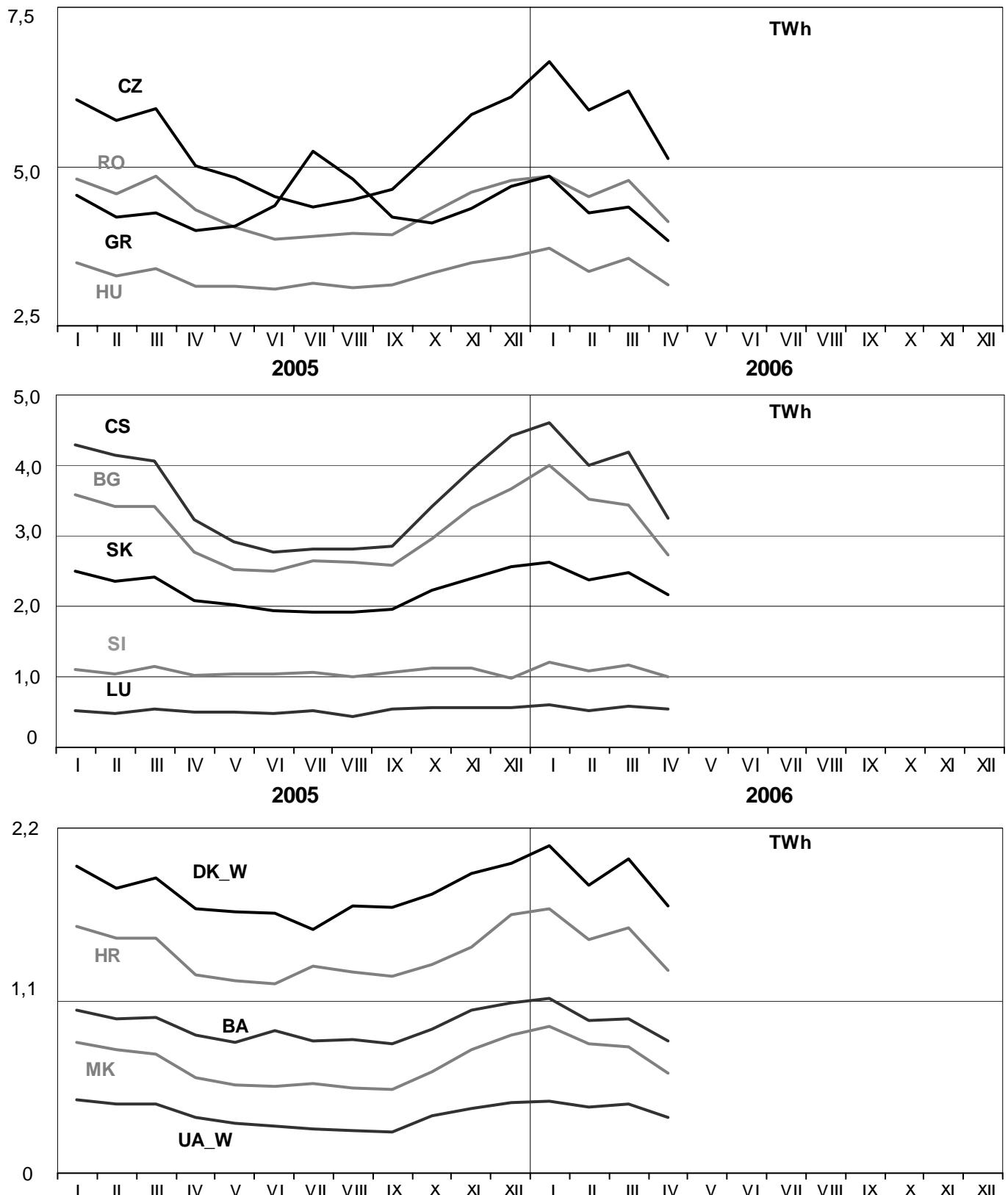
Exporting countries	Importing countries																			Sum export						
	AT	BA	BE	BG	CH	CS	CZ	DE	ES	FR	GR	HU	IT	LU	MK	NL	PL	PT	RO	SI	SK	DK_W	UA_W	Other III'		
AT	-	-	-	-	613	-	2	548	-	-	-	43	113	-	-	-	-	-	-	-	-	-	-	1458		
BA	-	-	-	-	-	100	-	-	-	-	-	395	-	-	-	-	-	-	-	-	-	-	-	495		
BE	-	-	-	-	-	-	-	-	-	-	11	-	-	139	-	412	-	-	-	-	-	-	-	562		
BG	-	-	-	-	-	231	-	-	-	-	370	-	-	65	-	-	66	-	-	-	-	-	0	732		
CH	1	-	-	-	-	-	-	202	-	5	-	-	2164	-	-	-	-	-	-	-	-	-	-	2372		
CS	-	87	-	0	-	-	-	-	-	-	319	12	-	171	-	-	0	-	-	-	-	-	3	592		
CZ	-	421	-	-	-	-	-	1083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1792		
DE	1050	-	-	-	961	-	1	-	10	-	-	406	-	2113	56	-	-	-	200	-	472	-	5269			
ES	-	-	-	-	-	-	-	-	86	-	-	-	-	-	-	541	-	-	-	-	-	-	116	743		
FR	-	-	1032	-	1151	-	-	1520	527	-	-	-	1614	-	-	-	-	-	-	-	-	-	1395	7239		
GR	-	-	-	0	-	-	-	-	-	-	-	173	-	0	-	-	-	-	-	-	-	-	21	194		
HR	-	64	-	-	-	9	-	-	-	-	-	0	-	-	-	-	-	-	799	-	-	-	-	872		
HU	106	-	-	-	35	-	-	-	-	-	454	-	-	-	-	-	0	0	0	2	-	-	597			
IT	0	-	-	-	0	-	-	-	36	3	-	-	-	-	-	-	-	0	-	-	-	-	39			
LU	-	-	201	-	-	-	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	268			
MK	-	-	-	0	-	0	-	-	-	127	-	-	-	-	-	-	-	-	-	-	-	-	127			
NL	-	-	419	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	419			
PL	-	-	-	-	-	831	94	-	-	-	-	-	-	-	-	-	-	281	0	242	-	1448				
PT	-	-	-	-	-	-	-	271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	271			
RO	-	-	-	13	-	233	-	-	-	-	145	-	-	-	-	-	-	-	9	0	-	-	400			
SI	12	-	-	-	-	-	-	-	-	17	-	701	-	-	-	-	-	-	-	-	-	-	730			
SK	-	-	-	-	-	-	63	-	-	-	615	-	-	0	-	-	-	-	64	-	-	-	742			
DK_W	-	-	-	-	-	-	-	244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	366			
UA_W	-	-	-	-	-	-	-	-	-	380	-	-	-	-	-	-	28	6	-	-	-	-	414			
Other III'	-	-	-	0	100	-	-	142	4	0	4	-	-	-	131	-	0	-	67	-	-	-	448			
Sum imp	1590	151	1652	13	2725	708	897	3900	802	148	504	1185	1195	4765	545	236	2525	188	541	94	938	574	267	75	2615	28833

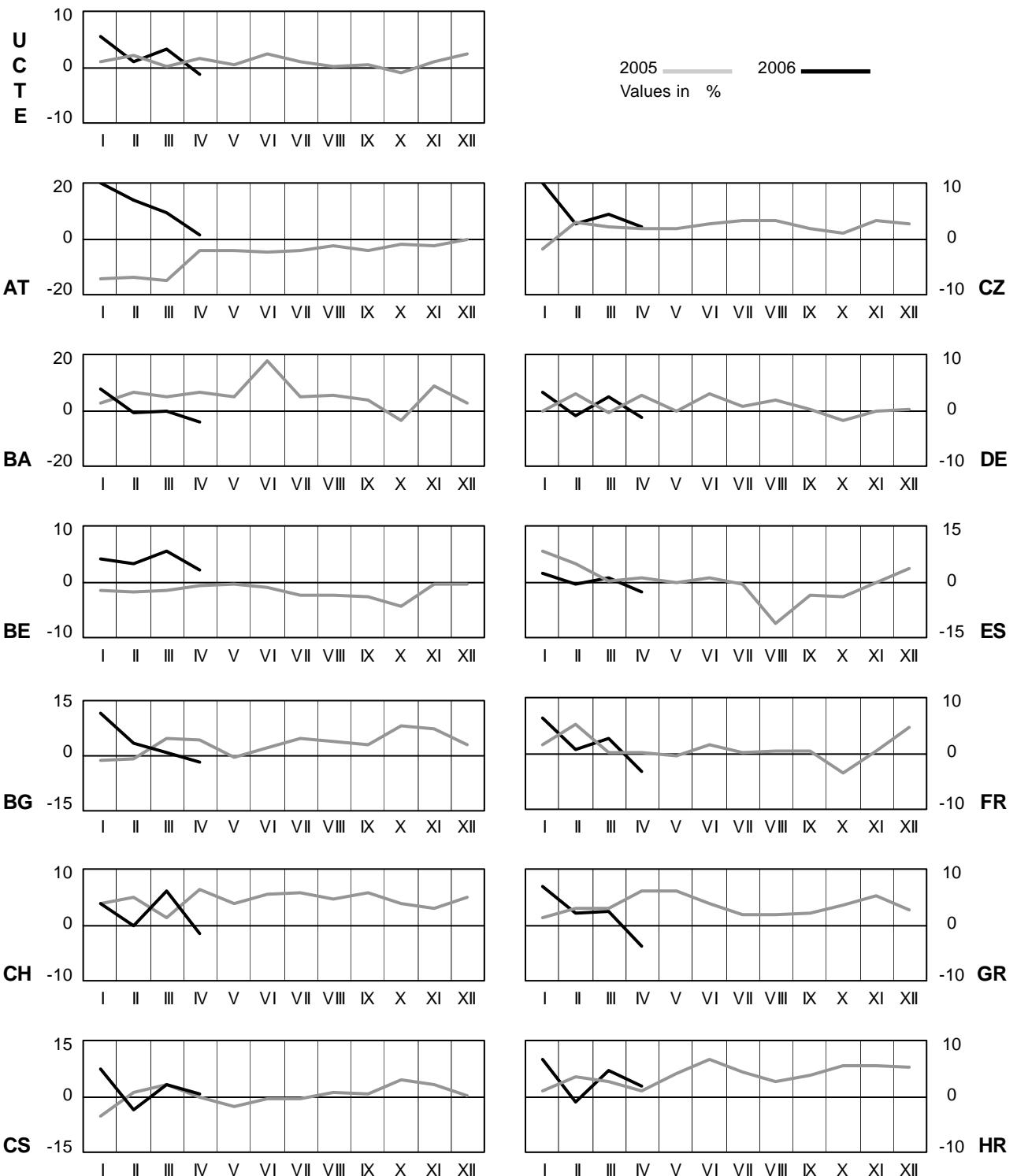
Sum of physical energy flows between UCTE countries = 24837GWh

Total physical energy flows = 28833GWh

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

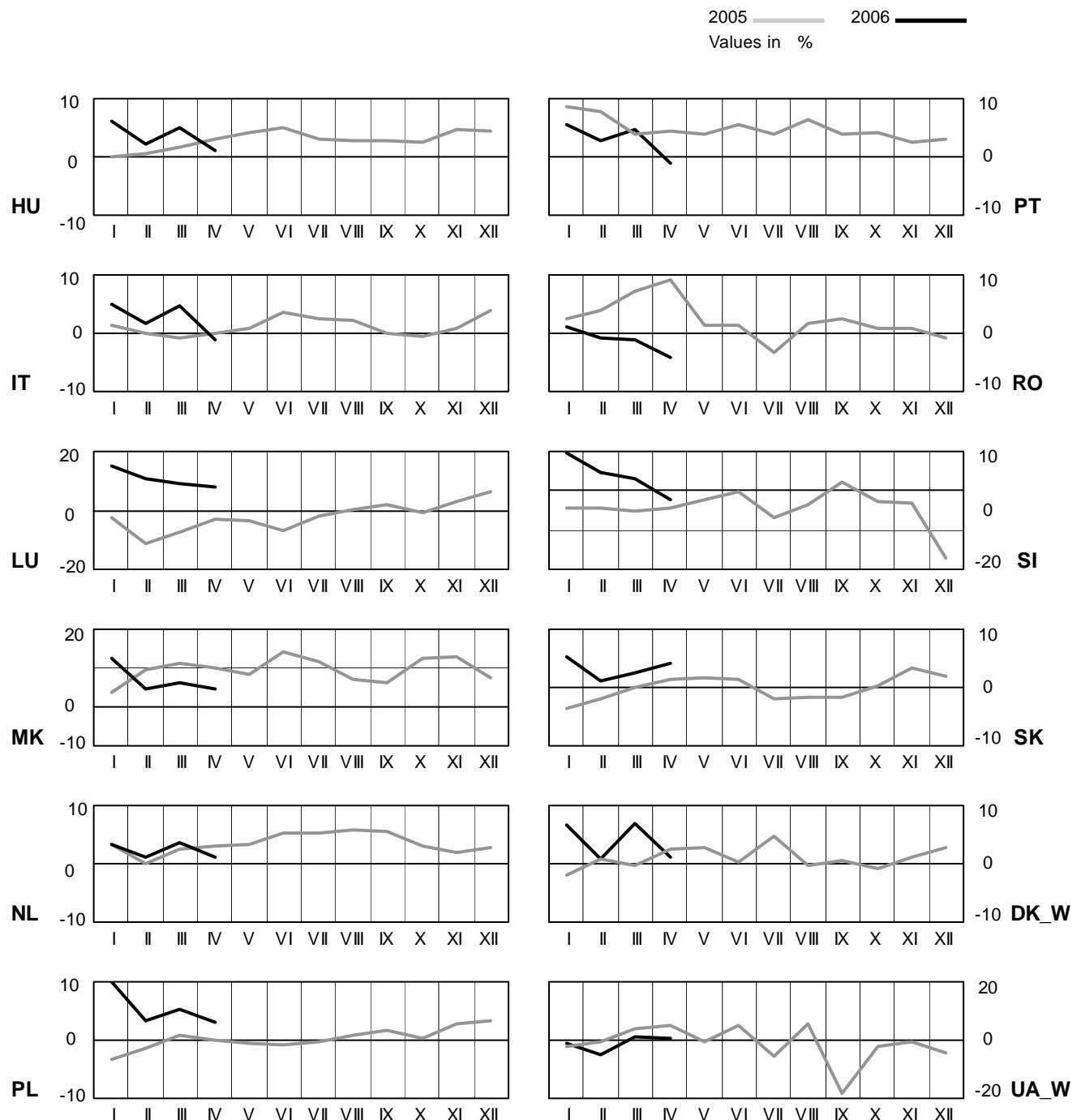




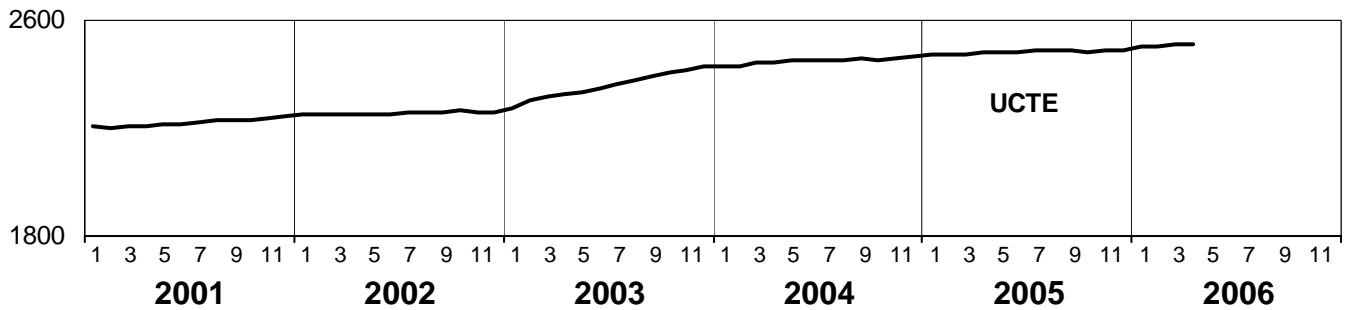


4 Monthly consumption variation

April 2006



TWh



DE

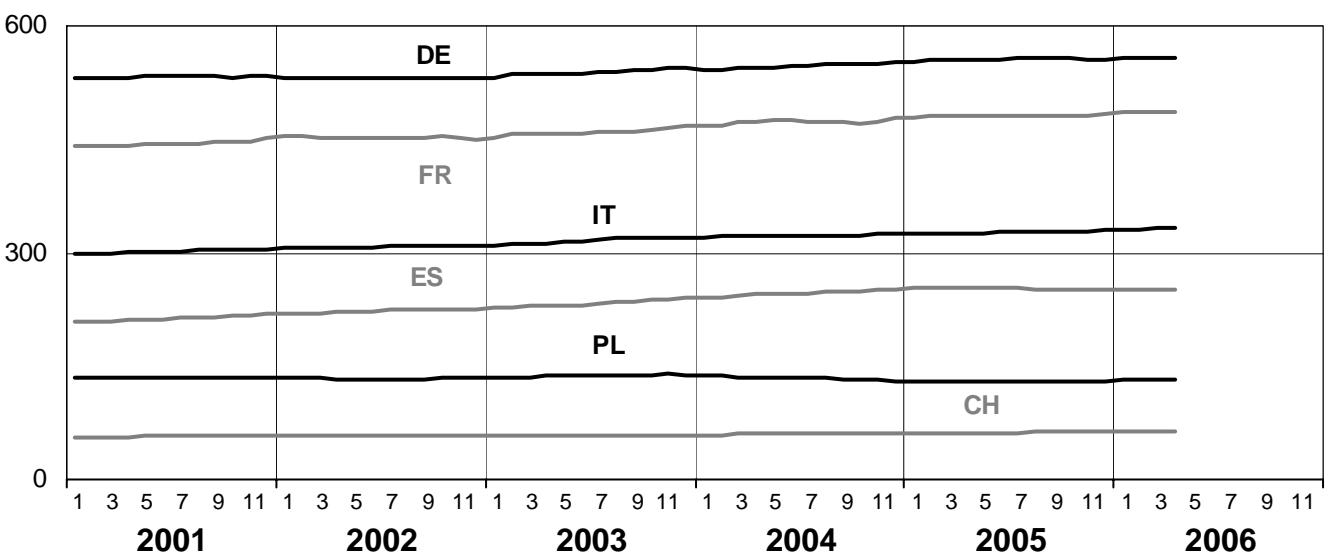
FR

IT

ES

PL

CH



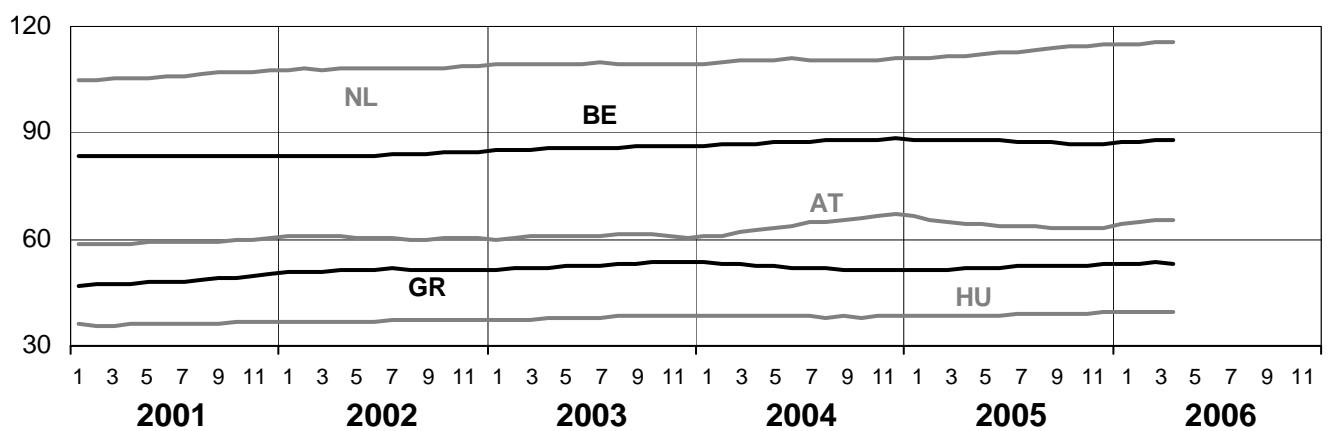
NL

BE

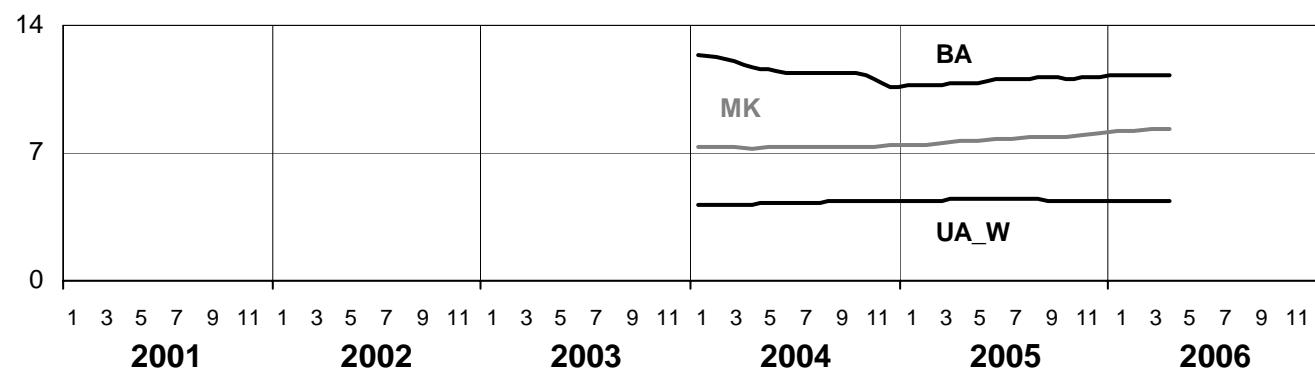
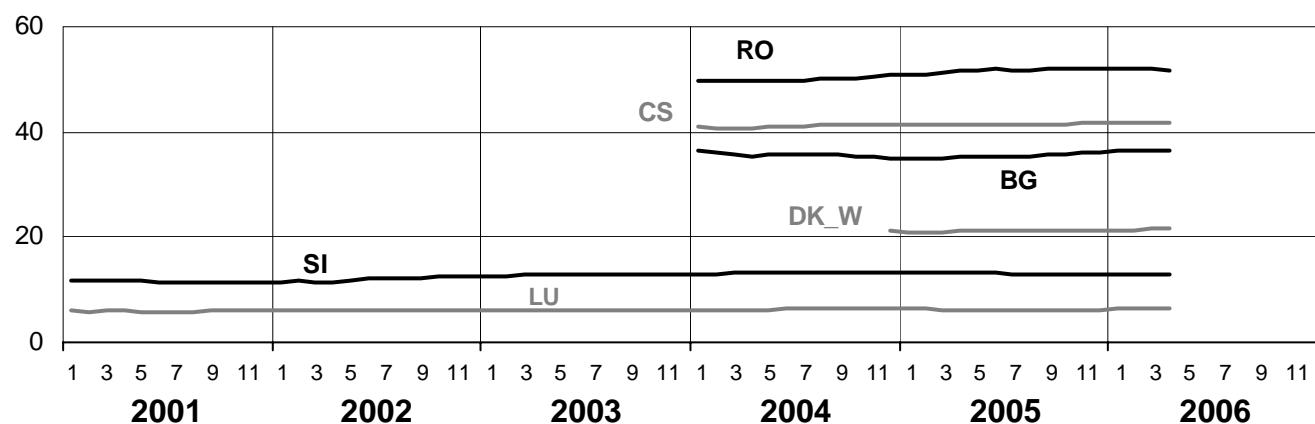
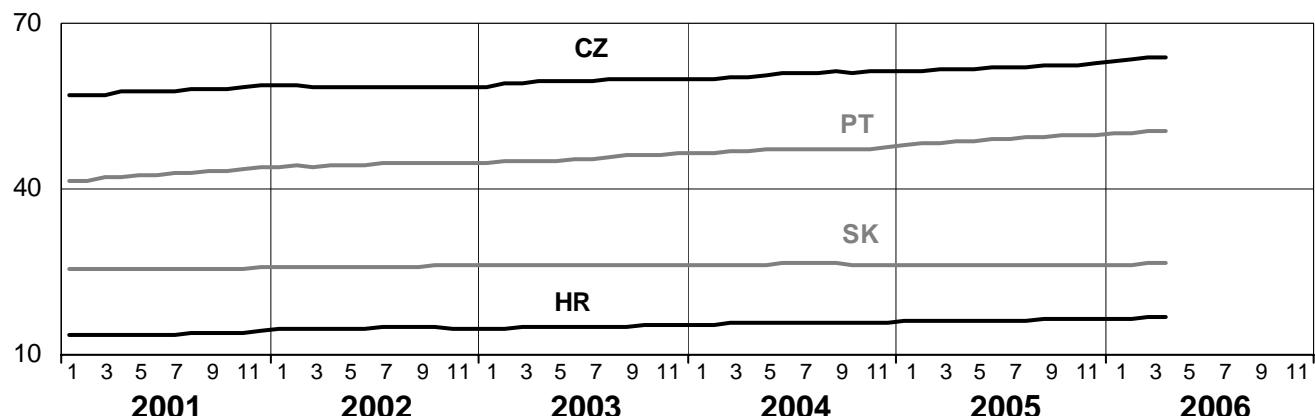
AT

GR

HU



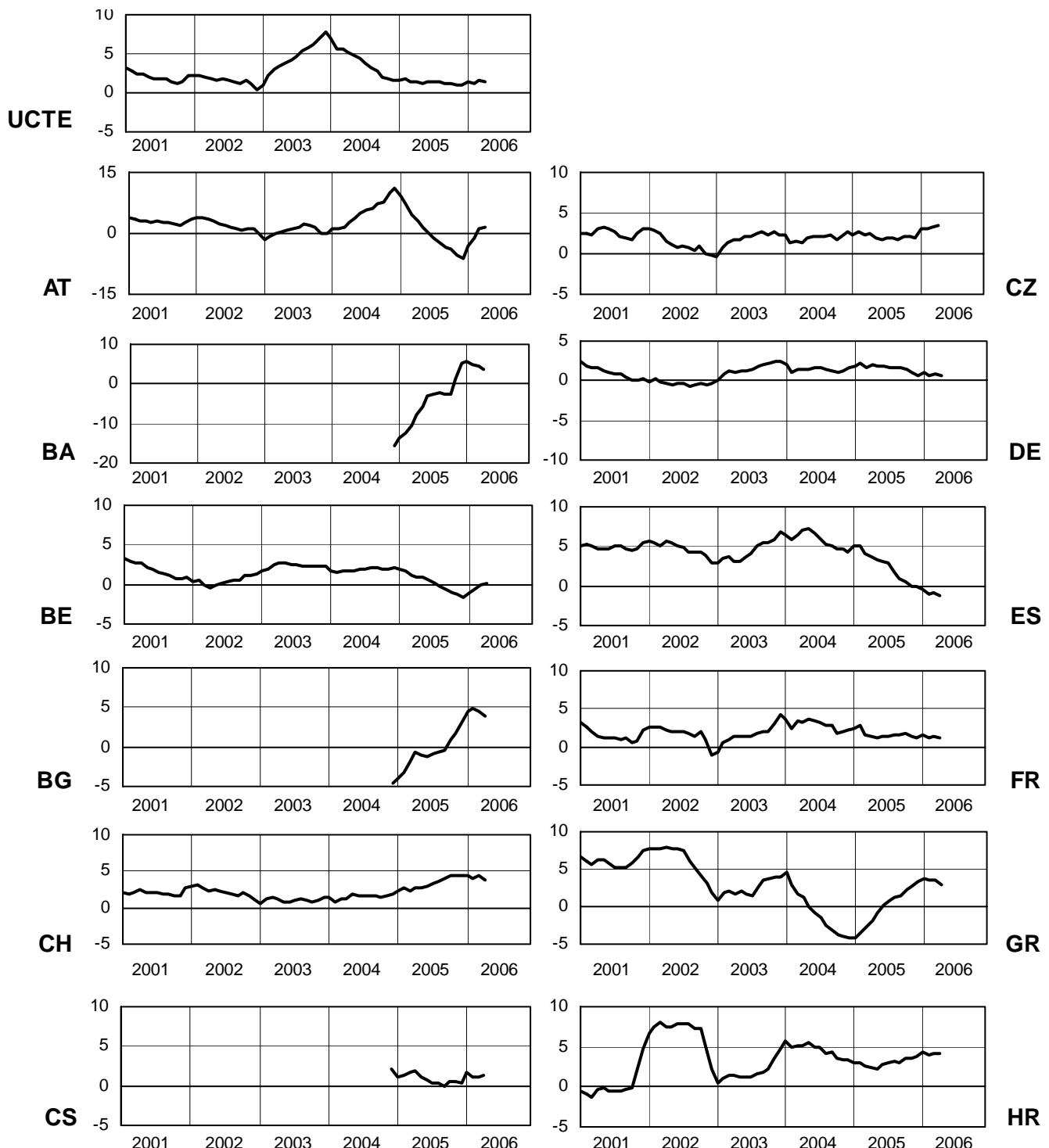
TWh



6

Variation of the last 12 months' consumption in %

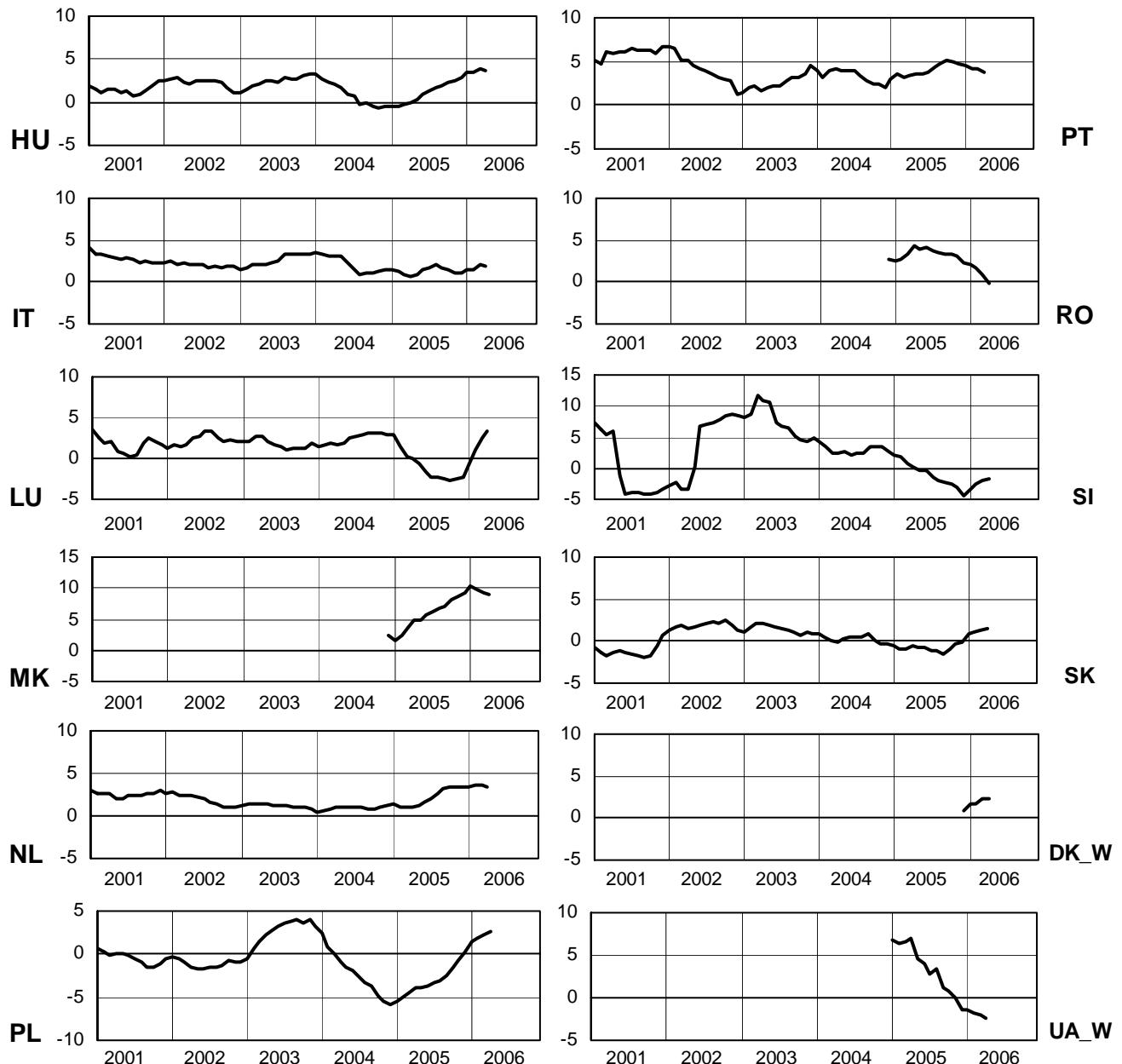
April 2006

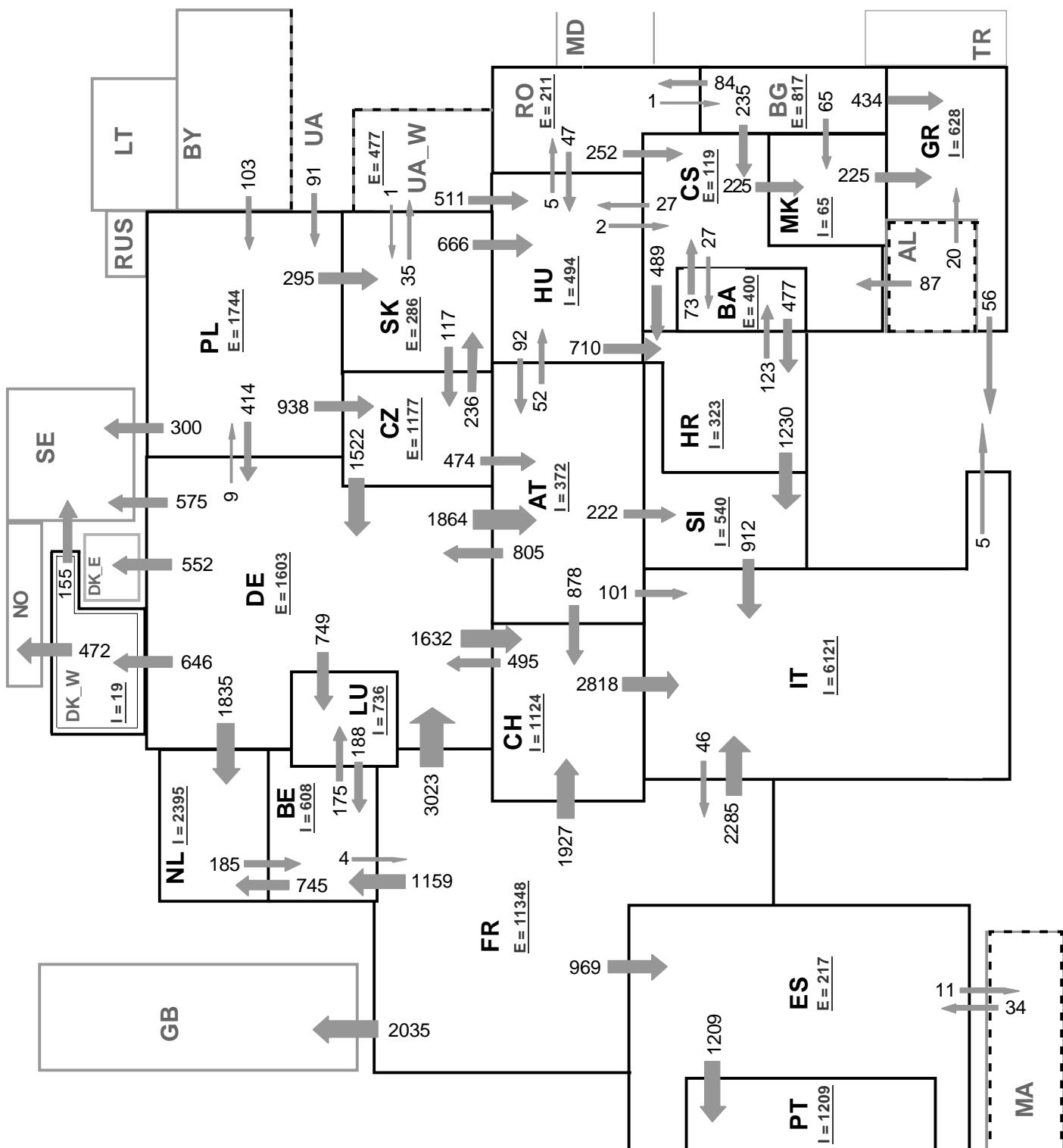


6

Variation of the last 12 months' consumption in %

April 2006





Associate member

Sum of load flows in MW:

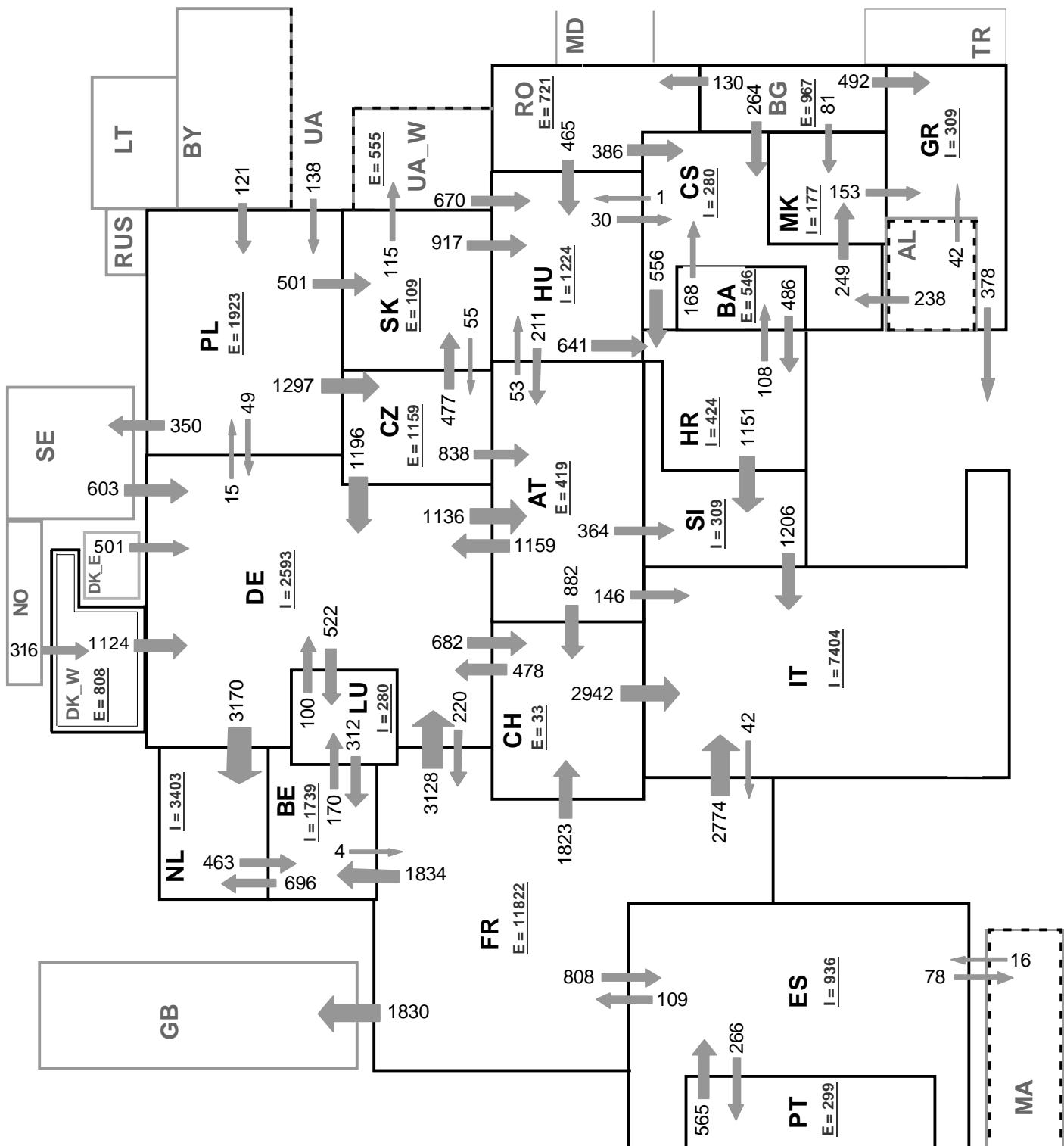
UCTE = 33833 MW

Total = 39461 MW

Synchronous operation with UCTE region

I = Import balance

E = Export balance



Associate member

Sum of load flows in MW:

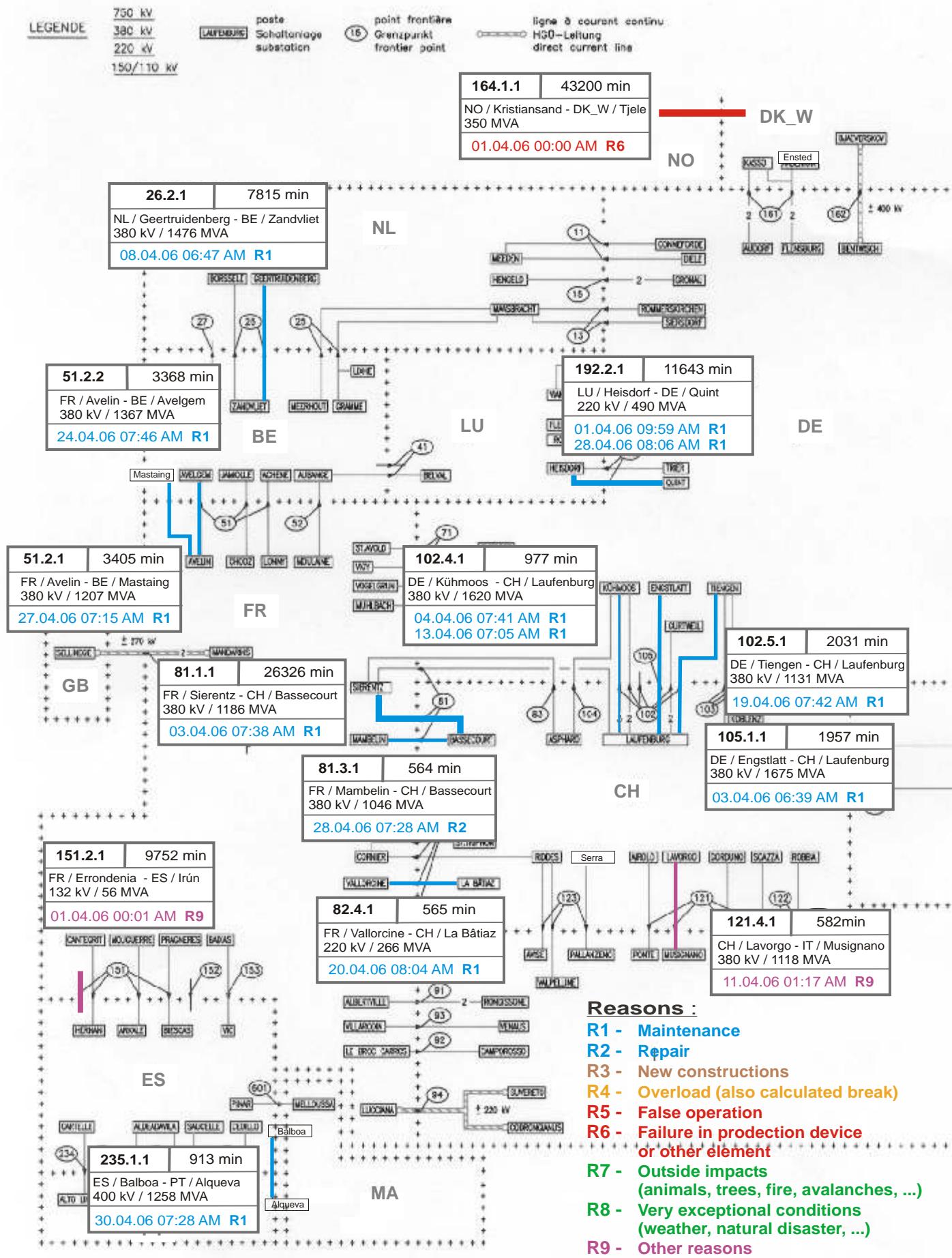
UCTE = 37349 MW

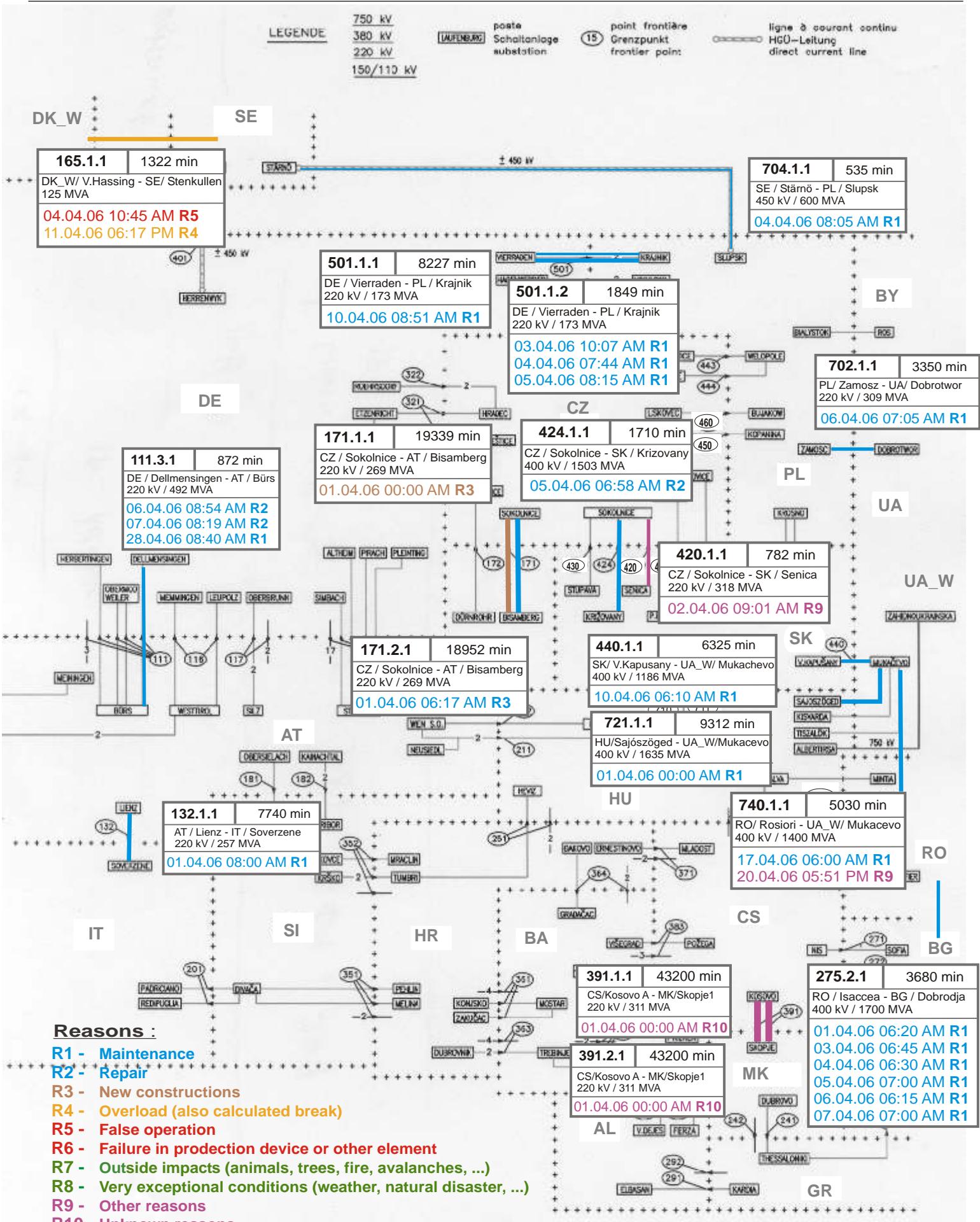
Total = 43491 MW

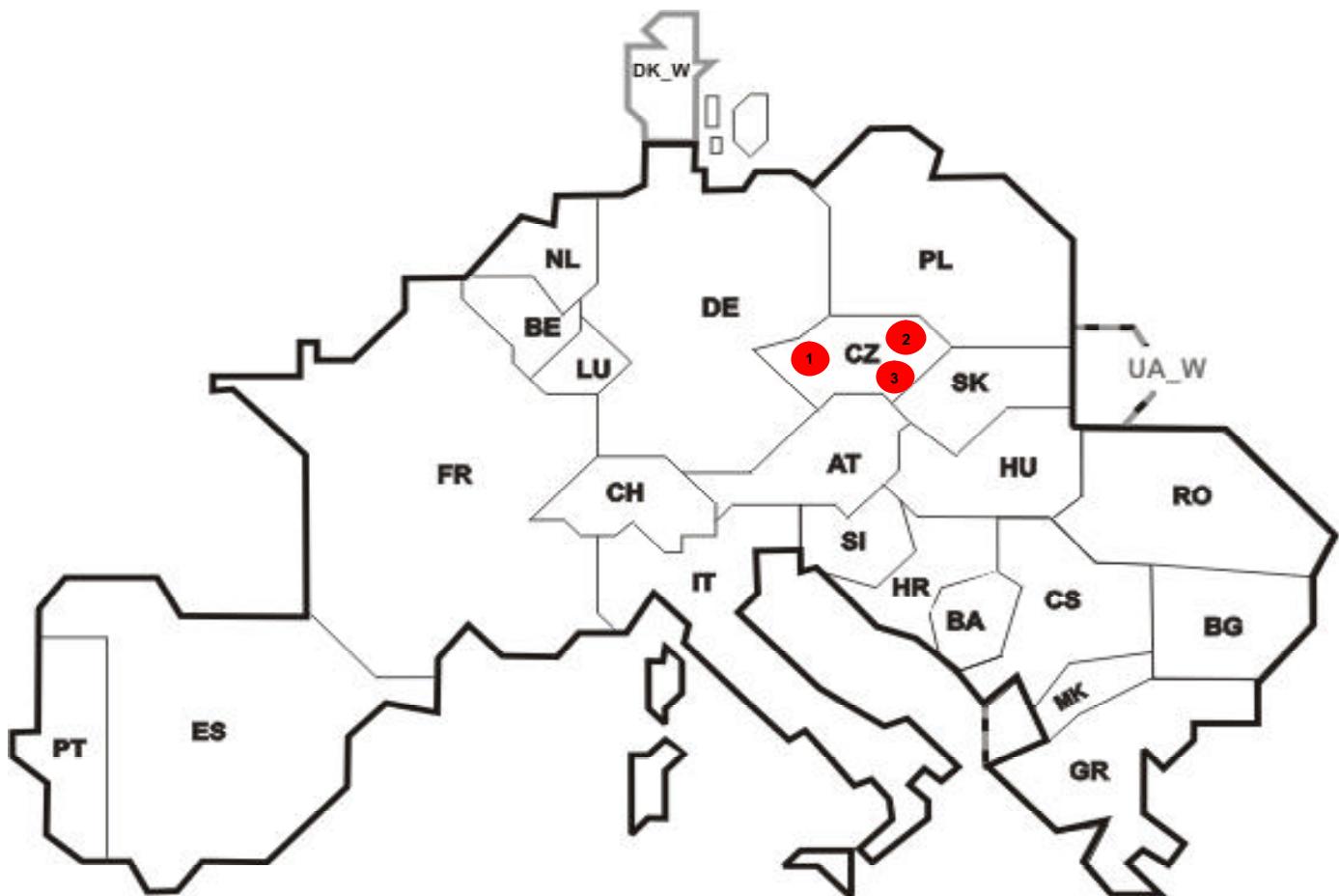
Synchronous operation with UCTE region

$I = \text{Import balance}$

$E = \text{Export balance}$







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

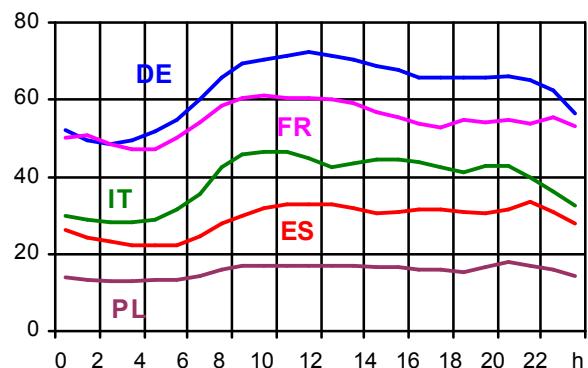
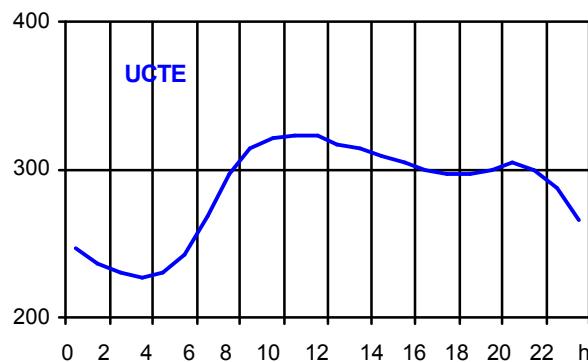
No	Country	Substation	Reason	Energy not supplied [MWh]	Total loss of power [MW]	Restoration time [min]	Equivalent time of interruption ¹
1	CZ	Bezdecin	R5	19	0	8	0,16
2	CZ	Milin	R5	17	0	69	0,14
3	CZ	Cebin	R6	6	0	3	0,05

¹ (year [in min] * energy not supply) / 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	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
BA	405786	58172	517	110	597	0
BE	661043	1689136	1160	1745	1215	2809
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	2397900	2753468	2974	4138	3891	3867
CS	540427	651176	661	566	1073	1265
CZ	1397687	559957	1961	711	2216	833
DE	2822927	2395071	2190	3636	3301	4271
ES	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FR	8550097	1465358	12082	736	12965	1267
GR	175487	483174	94	707	410	707
HR	483295	783511	750	1064	750	1194
HU	430819	1029703	590	1088	544	1779
IT	38765	4747074	46	6184	42	7458
MK	10700	118800	169	276	151	337
NL	244762	2427401	285	2691	18	3421
PL	1229369	55922	1640	125	1758	140
PT	149766	432238	0	1224	863	568
RO	466447	466447	372	198	988	251
SI	445738	652206	581	1142	553	858
SK	558697	335041	824	469	696	507
DK_W	593197	265172	590	616	1050	291
UA_W	335877	0	419	0	470	0

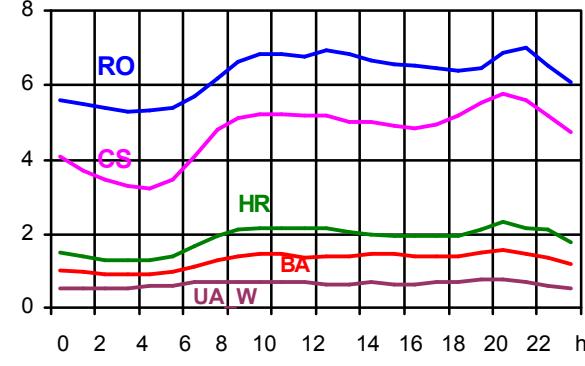
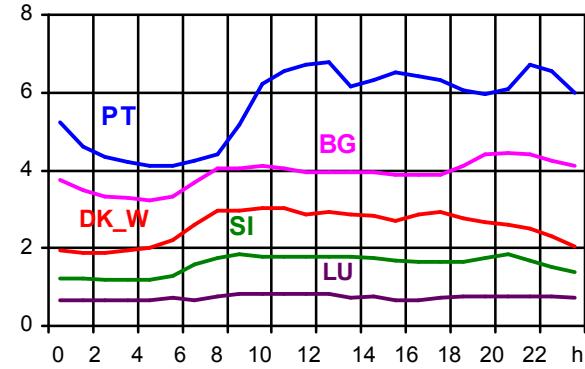
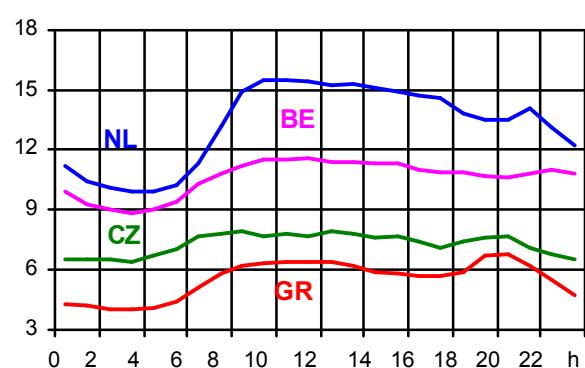
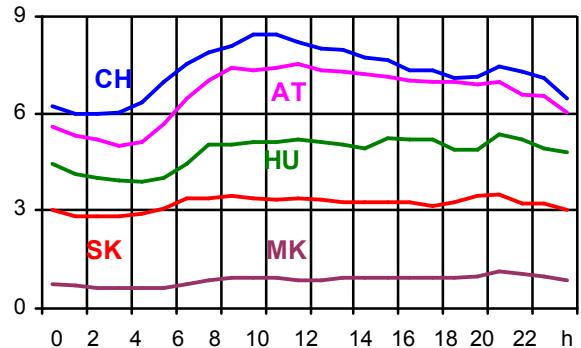
- Control areas can differ from national borders (i.e. German block which includes parts of AT, LU and DK).
- Values are calculated on an hourly base (MWh).
- This values are not the provisional values entered in the VULCANUS system, but the definitive values after an eventual correction during the actual 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 19.04.2006



	Peak load MW	var.% ¹	Load representativity %	Parallel power ² MW
AT	7546	-20,4	100	8935
BA	1542	3,1	100	2027
BE ³	11590	1,1	100	9863
BG	4479	5,7	100	4896
CH	8451	-4,8	100	8458
CS	5744	3,7	100	4909
CZ	7927	-0,9	100	9587
DE	72188	-4,2	91	71000
ES	33376	-0,4	98	31180
FR	60991	-4,9	100	72342
GR	6825	0,3	100	6054
HR	2287	4,1	100	1831
HU	5339	-2,9	100	3924
IT	46652	-1,1	100	38613
LU	845	-4,8	100	823
MK	1104	7,4	100	723
NL	15507	1,8	100	12102
PL ⁴	17911	0,7	100	21320
PT	6750	-0,7	96	6585
RO	6980	4,4	100	7539
SI	1831	-2,1	95	1382
SK	3495	1,3	100	3457
UCTE	323115	0,3		327550
DK_W	3038	-1,3	100	3868
UA_W	774	-1,4	100	1254

Values in GWh

¹ Variation as compared to corresponding month of the previous year² Power produced in parallel operation (including autoproduction)³ The reported figures are best estimates based on actual measurements and extrapolations.⁴ Average value of each hour



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