

# Monthly report



## January 2011

Monthly provisional values as of 15 June 2011

European Network of  
Transmission System Operators  
for Electricity

entsoe

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#### **General remarks and abbreviations used in the tables**

- All values of production and consumption on page 2, 11 and 12 are calculated to represent 100% of the national values.
- UA\_W Ukraine West represents the so-called Burshtyn Island synchronously interconnected with ENTSO-E
- CET Central European Time

| Countries       | Net generation in GWh |               |              |              |               |                |                  |                            | Exchange balance<br>in GWh | Pump<br>in GWh | Consumption   |             |
|-----------------|-----------------------|---------------|--------------|--------------|---------------|----------------|------------------|----------------------------|----------------------------|----------------|---------------|-------------|
|                 | Therm. nuclear        | Fossil fuels  | Hydro prod   | Other renew. | of which wind | of which solar | Non identifiable | Total                      |                            |                | monthly [GWh] | var. [%]    |
| AT              | 0                     | 2888          | 2778         | 0            | 0             | 0              | 623              | <b>6289</b>                | 517                        | 389            | 6417          | 1,1         |
| BA              | 0                     | 784           | 822          | 0            | 0             | 0              | 0                | <b>1606</b>                | -451                       | 0              | 1155          | 7,6         |
| BE <sup>2</sup> | 3875                  | 3025          | 160          | 510          | 212           | 24             | 0                | <b>7570</b> <sup>1</sup>   | 1305                       | 159            | 8716          | 4,0         |
| BG              | 1443                  | 2305          | 509          | 32           | 32            | 0              | 0                | <b>4289</b>                | -729                       | 89             | 3471          | -0,3        |
| CH              | 2435                  | 190           | 2624         | 128          | 5             | 0              | 0                | <b>5377</b> <sup>1</sup>   | 1034                       | 144            | 6267          | -1,0        |
| CY              | 0                     | 434           | 0            | 12           | 12            | 0              | 0                | <b>446</b>                 | 0                          | 0              | 446           | 2,1         |
| CZ              | 2743                  | 4632          | 328          | 65           | 30            | 35             | 0                | <b>7768</b> <sup>1</sup>   | -1539                      | 77             | 6152          | -2,4        |
| DE              | 13536                 | 33718         | 1914         | 6061         | 3724          | 399            | 0                | <b>55229</b> <sup>1</sup>  | -2766                      | 681            | 51782         | 1,3         |
| DK              | 0                     | 3052          | 2            | 987          | 762           | 0              | 0                | <b>4041</b> <sup>1</sup>   | -644                       | 0              | 3397          | -3,1        |
| EE              | 0                     | 1111          | 3            | 81           | 33            | 0              | 0                | <b>1195</b>                | -371                       | 0              | 824           | -8,6        |
| ES              | 4732                  | 10088         | 5339         | 5044         | 4057          | 378            | 26               | <b>25229</b>               | -611                       | 437            | 24181         | 0,2         |
| FI              | 2037                  | 3960          | 918          | 1137         | 36            | 0              | 74               | <b>8126</b> <sup>1</sup>   | 659                        | 0              | 8785          | -5,4        |
| FR              | 43853                 | 6594          | 6027         | 1723         | 1235          | 31             | 0                | <b>58197</b>               | -3826                      | 627            | 53744         | -4,6        |
| GB              | 6165                  | 25011         | 549          | 1135         | 545           | 0              | 0                | <b>32860</b>               | 203                        | 353            | 32711         | 5,2         |
| GR              | 0                     | 3682          | 519          | 187          | 138           | 14             | 0                | <b>4388</b> <sup>1</sup>   | 230                        | 35             | 4583          | -1,8        |
| HR              | 0                     | 483           | 797          | 18           | 18            | 0              | 0                | <b>1298</b>                | 374                        | 20             | 1652          | -1,8        |
| HU              | 1514                  | 2094          | 0            | 0            | 0             | 0              | 0                | <b>3608</b>                | 316                        | 0              | 3924          | 12,9        |
| IE              | 0                     | 2115          | 90           | 264          | 264           | 0              | 21               | <b>2490</b> <sup>1</sup>   | 55                         | 0              | 2545          | -3,0        |
| IS              | 0                     | 1             | 1100         | 374          | 0             | 0              | 0                | <b>1475</b>                | 0                          | 0              | 1475          | 1,2         |
| IT              | 0                     | 19500         | 3581         | 1076         | 526           | 95             | 0                | <b>24157</b>               | 3901                       | 279            | 27779         | -0,6        |
| LT              | 0                     | 322           | 103          | 47           | 37            | 0              | 0                | <b>472</b> <sup>1</sup>    | 580                        | 70             | 982           | -3,8        |
| LU              | 0                     | 270           | 156          | 18           | 7             | 0              | 0                | <b>444</b>                 | 370                        | 195            | 619           | 3,7         |
| LV              | 0                     | 453           | 243          | 12           | 6             | 0              | 0                | <b>708</b>                 | -5                         | 0              | 703           | -6,1        |
| ME <sup>3</sup> | 0                     | 112           | 397          | 0            | 0             | 0              | 0                | <b>509</b>                 | -138                       | 0              | 371           | n.a.        |
| MK              | 0                     | 495           | 185          | 0            | 0             | 0              | 0                | <b>680</b>                 | 281                        | 0              | 961           | 11,4        |
| NI              | 0                     | 568           | 1            | 73           | 68            | 0              | 1                | <b>643</b>                 | 245                        | 0              | 888           | -0,4        |
| NL              | 354                   | 8971          | 0            | 787          | 475           | n.a.           | 0                | <b>10112</b>               | 856                        | 0              | 10968         | 2,5         |
| NO              | 0                     | 608           | 10506        | 139          | 139           | 0              | 0                | <b>11253</b> <sup>1</sup>  | 2330                       | 55             | 13528         | -9,4        |
| PL <sup>4</sup> | 0                     | 13242         | 291          | 176          | 150           | 0              | 0                | <b>13709</b> <sup>1</sup>  | -415                       | 76             | 13218         | -1,4        |
| PT              | 0                     | 1604          | 2301         | 1146         | 920           | 10             | 0                | <b>5051</b> <sup>1</sup>   | 51                         | 33             | 5069          | 0,0         |
| RO              | 929                   | 2719          | 1855         | 73           | 57            | 0              | 0                | <b>5576</b>                | -486                       | 14             | 5076          | 4,2         |
| RS              | 0                     | 2944          | 1203         | 0            | 0             | 0              | 0                | <b>4147</b>                | -277                       | 86             | 3784          | 8,3         |
| SE              | 6571                  | 893           | 5466         | 1841         | 465           | 0              | 0                | <b>14771</b> <sup>1</sup>  | 244                        | 0              | 15015         | -7,4        |
| SI              | 517                   | 290           | 338          | 0            | 0             | 0              | 0                | <b>1145</b>                | -193                       | 0              | 952           | -11,9       |
| SK              | 1336                  | 685           | 553          | 39           | 0             | 1              | 105              | <b>2718</b> <sup>1</sup>   | -123                       | 48             | 2547          | 3,0         |
| <b>ENTSO-E</b>  | <b>92040</b>          | <b>159843</b> | <b>51658</b> | <b>23185</b> | <b>13953</b>  | <b>987</b>     | <b>850</b>       | <b>327576</b> <sup>1</sup> | <b>977</b>                 | <b>3867</b>    | <b>324687</b> | <b>-0,8</b> |
| UA_W            | 0                     | 726           | 14           | 0            | 0             | 987            | 0                | <b>740</b>                 | -237                       | 0              | 503           | 11,0        |

<sup>1</sup> Including deliveries from industry

<sup>2</sup> The reported figures are best estimates based on actual measurements and extrapolations.

<sup>3</sup> National monthly values as of January 2010

<sup>4</sup> Operational data

All representativities of the national generation and consumption values on page 2 used to calculate values at a representativity of 100% as stated in the table above:

| Countries | Representativities of the national values in % |              |            |                 |                  | Consumption |
|-----------|--|--------------|------------|-----------------|------------------|-------------|
|           | Thermal nuclear                                | Fossil fuels | Hydro prod | Other renewable | Non identifiable |             |
| AT        | 100  | 100          | 100        | 100             | 100              | 100         |
| BA        | 100  | 100          | 100        | 100             | 100              | 100         |
| BE        | 100  | 100          | 100        | 100             | 100              | 100         |
| BG        | 100  | 100          | 100        | 100             | 100              | 100         |
| CH        | 100  | 100          | 100        | 100             | 100              | 100         |
| CY        | 100  | 100          | 100        | 100             | 100              | 100         |
| CZ        | 100  | 100          | 100        | 100             | 100              | 100         |
| DE        | 100  | 100          | 100        | 100             | 100              | 100         |
| DK        | 100  | 100          | 100        | 100             | 100              | 100         |
| EE        | 100  | 100          | 100        | 100             | 100              | 100         |
| ES        | 100  | 97           | 100        | 95              | 100              | 98          |
| FI        | 100  | 100          | 100        | 100             | 100              | 100         |
| FR        | 100  | 100          | 100        | 100             | 100              | 100         |
| GB        | 100  | 97           | 89         | 48              | 100              | 100         |
| GR        | 100  | 100          | 100        | 100             | 100              | 100         |
| HR        | 100  | 100          | 100        | 100             | 100              | 100         |
| HU        | 100  | 100          | 100        | 100             | 100              | 100         |
| IE        | 100  | 100          | 100        | 100             | 100              | 100         |
| IS        | 100  | 100          | 100        | 100             | 100              | 100         |
| IT        | 100  | 100          | 100        | 100             | 100              | 100         |
| LT        | 100  | 100          | 100        | 100             | 100              | 100         |
| LU        | 100  | 100          | 100        | 100             | 100              | 100         |
| LV        | 100  | 100          | 100        | 100             | 100              | 100         |
| ME        | 100  | 100          | 100        | 100             | 100              | 100         |
| MK        | 100  | 100          | 100        | 100             | 100              | 100         |
| NI        | 100  | 100          | 100        | 100             | 100              | 100         |
| NL        | 100  | 100          | 100        | 100             | 100              | 100         |
| NO        | 100  | 100          | 100        | 100             | 100              | 100         |
| PL        | 100  | 100          | 100        | 100             | 100              | 100         |
| PT        | 100  | 90           | 100        | 100             | 100              | 97          |
| RO        | 100  | 100          | 100        | 100             | 100              | 100         |
| RS        | 100  | 100          | 100        | 100             | 100              | 100         |
| SE        | 100  | 100          | 100        | 100             | 100              | 100         |
| SI        | 100  | 100          | 100        | 100             | 100              | 100         |
| SK        | 100  | 100          | 100        | 100             | 100              | 100         |
| UA_W      | 100  | 100          | 100        | 100             | 100              | 100         |



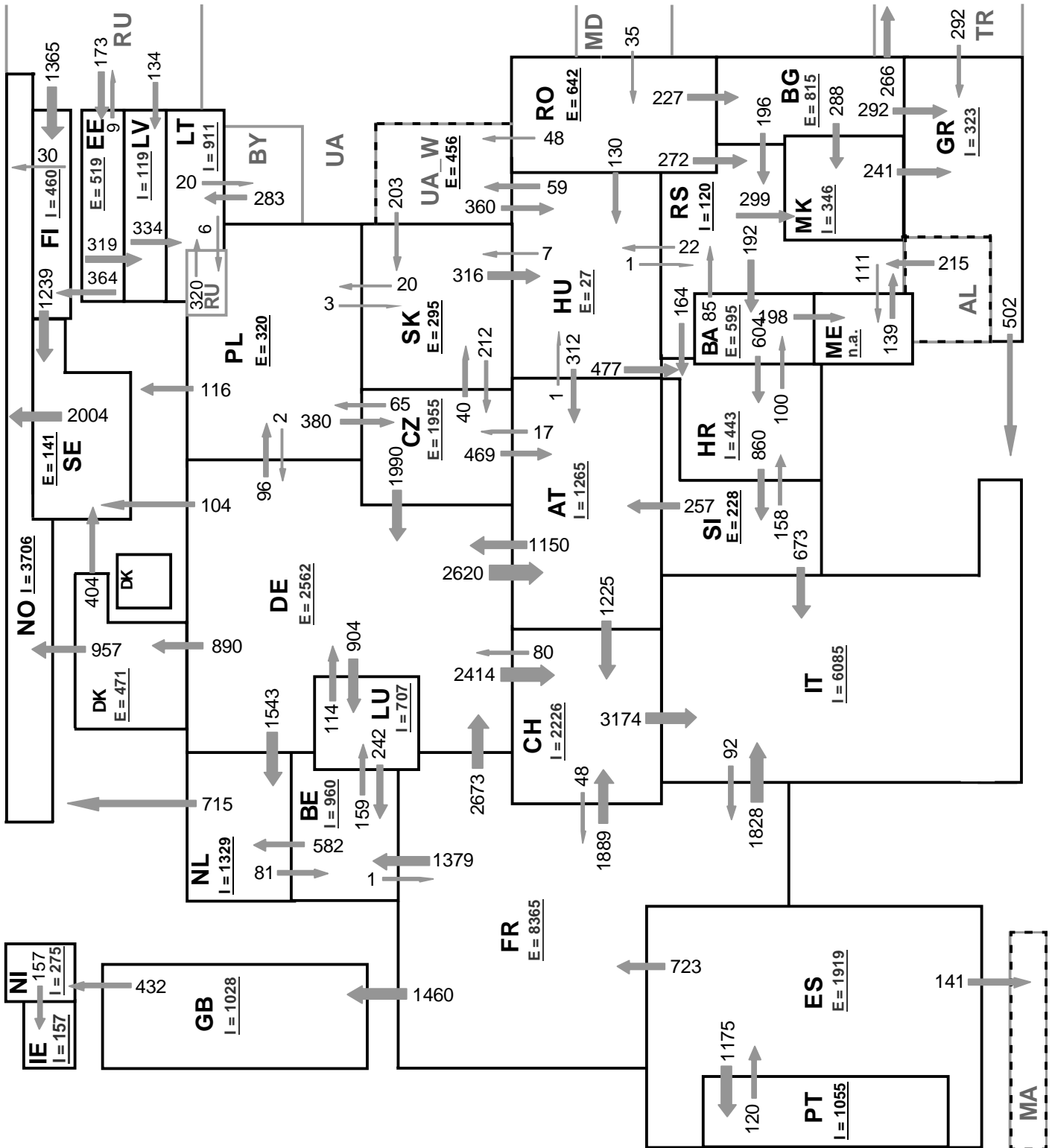
## Overview of the monthly imports and exports in GWh

| Exporting countries    | Importing countries |     |     |     |      |    |      |     |     |     |      |     |     |     |     |     |    |    |     |      |     |      |     |     |      |     |     |    |    |     |     |     |     |      |                        |      |    |
|------------------------|---------------------|-----|-----|-----|------|----|------|-----|-----|-----|------|-----|-----|-----|-----|-----|----|----|-----|------|-----|------|-----|-----|------|-----|-----|----|----|-----|-----|-----|-----|------|------------------------|------|----|
|                        | AT                  | BA  | BE  | BG  | CH   | CZ | DE   | DK  | EE  | ES  | FI   | FR  | GB  | GR  | HR  | HU  | IE | IT | LT  | LU   | LV  | ME   | MK  | NI  | NL   | NO  | PL  | PT | RO | RS  | SE  | SI  | SK  | UA_W | Other III <sup>1</sup> |      |    |
| AT                     | -                   | -   | -   | -   | 885  | 15 | 788  | -   | -   | -   | -    | -   | -   | -   | -   | 28  | -  | 97 | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | 28  | -    | -                      | -    |    |
| BA                     | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | -   | -   | 504 | -   | -   | -  | -  | -   | -    | -   | 156  | -   | -   | -    | -   | -   | -  | -  | -   | 28  | -   | -   | -    | -                      |      |    |
| BE                     | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | 145 | -   | -   | -   | -   | -  | -  | -   | 112  | -   | -    | -   | 292 | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      |      |    |
| BG                     | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | -   | 230 | -   | -   | -   | -  | -  | -   | -    | -   | 233  | -   | -   | -    | -   | -   | -  | 16 | 189 | -   | -   | -   | -    | -                      | 191  |    |
| CH                     | 1                   | -   | -   | -   | -    | -  | 71   | -   | -   | -   | -    | 461 | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      |      |    |
| CZ                     | 558                 | -   | -   | -   | -    | -  | 1309 | -   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | 197  | -                      | -    |    |
| DE                     | 1589                | -   | -   | -   | 1640 | 6  | -    | 728 | -   | -   | -    | 27  | -   | -   | -   | -   | -  | -  | -   | 567  | -   | -    | -   | -   | 1578 | -   | 207 | -  | -  | -   | -   | 191 | -   | -    | -                      | -    |    |
| DK                     | -                   | -   | -   | -   | -    | -  | 207  | -   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | 599 | -   | -  | -  | -   | -   | 739 | -   | -    | -                      | -    |    |
| EE                     | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | 254  | -   | -   | -   | -   | -   | -  | -  | -   | -    | 207 | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | 10   |    |
| ES                     | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | 337 | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | 499 | -  | -  | -   | -   | -   | -   | -    | -                      | 296  |    |
| FI                     | -                   | -   | -   | -   | -    | -  | -    | 0   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | 15   | -   | -   | -  | -  | -   | 722 | -   | -   | -    | -                      | 0    |    |
| FR                     | -                   | -   | 633 | -   | 1037 | -  | 1236 | -   | -   | 113 | -    | -   | 736 | -   | -   | -   | -  | -  | -   | 1119 | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    |    |
| GB                     | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | 221 | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | 300 | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    | -  |
| GR                     | -                   | -   | -   | 0   | -    | -  | -    | -   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | 0   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    | 63 |
| HR                     | -                   | 76  | -   | -   | -    | -  | -    | -   | -   | -   | -    | -   | -   | -   | -   | 6   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | 0   | -   | 611 | -    | -                      | -    |    |
| HU                     | 158                 | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | -   | -   | 288 | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | 1  | 22 | -   | -   | -   | 4   | 43   | -                      | -    |    |
| IE                     | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | 17  | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    |    |
| IT                     | 0                   | -   | -   | -   | 40   | -  | -    | -   | -   | -   | -    | 138 | 5   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | 0   | -    | -                      | -    |    |
| LT                     | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | 82   |    |
| LU                     | -                   | -   | 169 | -   | -    | -  | 140  | -   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    |    |
| LV                     | -                   | -   | -   | -   | -    | -  | -    | -   | 0   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | 309 | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | 0    |    |
| ME                     | -                   | 46  | -   | -   | -    | -  | -    | -   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | n.a. |    |
| MK                     | -                   | -   | -   | 0   | -    | -  | -    | -   | -   | -   | -    | -   | 153 | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    |    |
| NI                     | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | 0   | -   | -   | -   | 71  | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    | -  |
| NL                     | -                   | -   | 559 | -   | -    | -  | 11   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | 470 | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    | -  |
| NO                     | -                   | -   | -   | -   | -    | -  | -    | 6   | -   | -   | 1    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | 29   | -   | -   | -  | -  | -   | -   | -   | 23  | -    | -                      | 0    |    |
| PL                     | -                   | -   | -   | -   | 440  | 71 | -    | -   | -   | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | 59  | -    | 76                     | -    | 0  |
| PT                     | -                   | -   | -   | -   | -    | -  | -    | -   | 465 | -   | -    | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    | -  |
| RO                     | -                   | -   | -   | 133 | -    | -  | -    | -   | -   | -   | -    | -   | -   | -   | -   | 137 | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | 49   | 0  |
| RS                     | -                   | 100 | -   | 0   | -    | -  | -    | -   | -   | -   | -    | -   | -   | 142 | 33  | -   | -  | -  | -   | -    | -   | 22   | 202 | -   | -    | -   | -   | -  | 0  | -   | -   | -   | -   | -    | -                      | -    | 0  |
| SE                     | -                   | -   | -   | -   | -    | -  | 18   | 31  | -   | -   | 89   | -   | -   | -   | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    | -  |
| SI                     | 169                 | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | -   | -   | 137 | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | -                      | -    | -  |
| SK                     | -                   | -   | -   | -   | -    | 73 | -    | -   | -   | -   | -    | -   | -   | -   | 365 | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | 13 | -  | -   | -   | -   | -   | -    | -                      | 24   | -  |
| UA_W                   | -                   | -   | -   | -   | -    | -  | -    | -   | -   | -   | -    | -   | -   | 265 | -   | -   | -  | -  | -   | -    | -   | -    | -   | -   | -    | -   | -   | -  | -  | -   | -   | -   | -   | -    | 75                     | -    | -  |
| Other III <sup>1</sup> | -                   | -   | -   | 1   | -    | -  | -    | -   | 113 | 3   | 1050 | -   | -   | 193 | -   | -   | -  | -  | 356 | -    | 95  | n.a. | -   | -   | -    | 17  | 0   | -  | 43 | 146 | -   | -   | -   | -    | -                      | -    | -  |

Other III<sup>1</sup>: Albania, Belarus, Morocco, Republic of Moldavia, Republic of Turkey, Russia and Ukraine

## Sum of the monthly imports and exports in GWh

|    | import | export |      | import | export |
|----|--------|--------|------|--------|--------|
| AT | 2475   | 1841   | IT   | 4084   | 183    |
| BA | 222    | 688    | LT   | 665    | 85     |
| BE | 1361   | 549    | LU   | 679    | 309    |
| BG | 134    | 859    | LV   | 305    | 309    |
| CH | 3602   | 2591   | ME   | 178    | 347    |
| CZ | 534    | 2074   | MK   | 435    | 153    |
| DE | 3851   | 6533   | NI   | 317    | 71     |
| DK | 765    | 1545   | NL   | 1899   | 1040   |
| EE | 113    | 471    | NO   | 2378   | 59     |
| ES | 581    | 1132   | PL   | 231    | 646    |
| FI | 1394   | 737    | PT   | 499    | 465    |
| FR | 1329   | 4874   | RO   | 73     | 559    |
| GB | 736    | 521    | RS   | 926    | 499    |
| GR | 581    | 350    | SE   | 1734   | 1416   |
| HR | 1071   | 693    | SI   | 639    | 829    |
| HU | 834    | 516    | SK   | 352    | 475    |
| IE | 71     | 17     | UA_W | 116    | 353    |



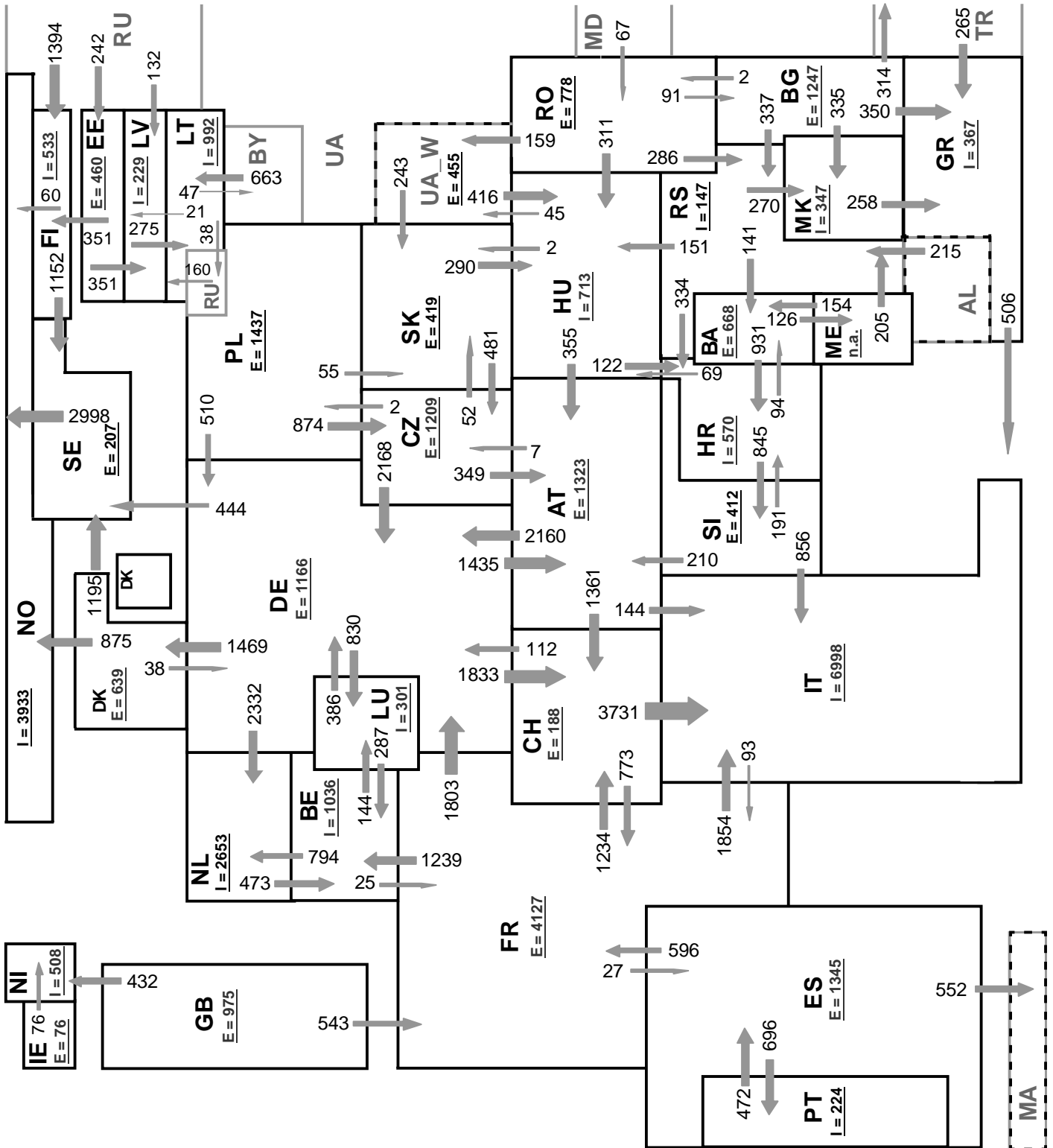
Sum of load flows in MW

ENTSO-E = 44159 MW

Total = 48088 MW

Synchronous operation with ENTSO-E region

I = Import balance  
E = Export balance



Sum of load flows in MW

ENTSO-E = 47083 MW

Total = 52386 MW

Synchronous operation with ENTSO-E region

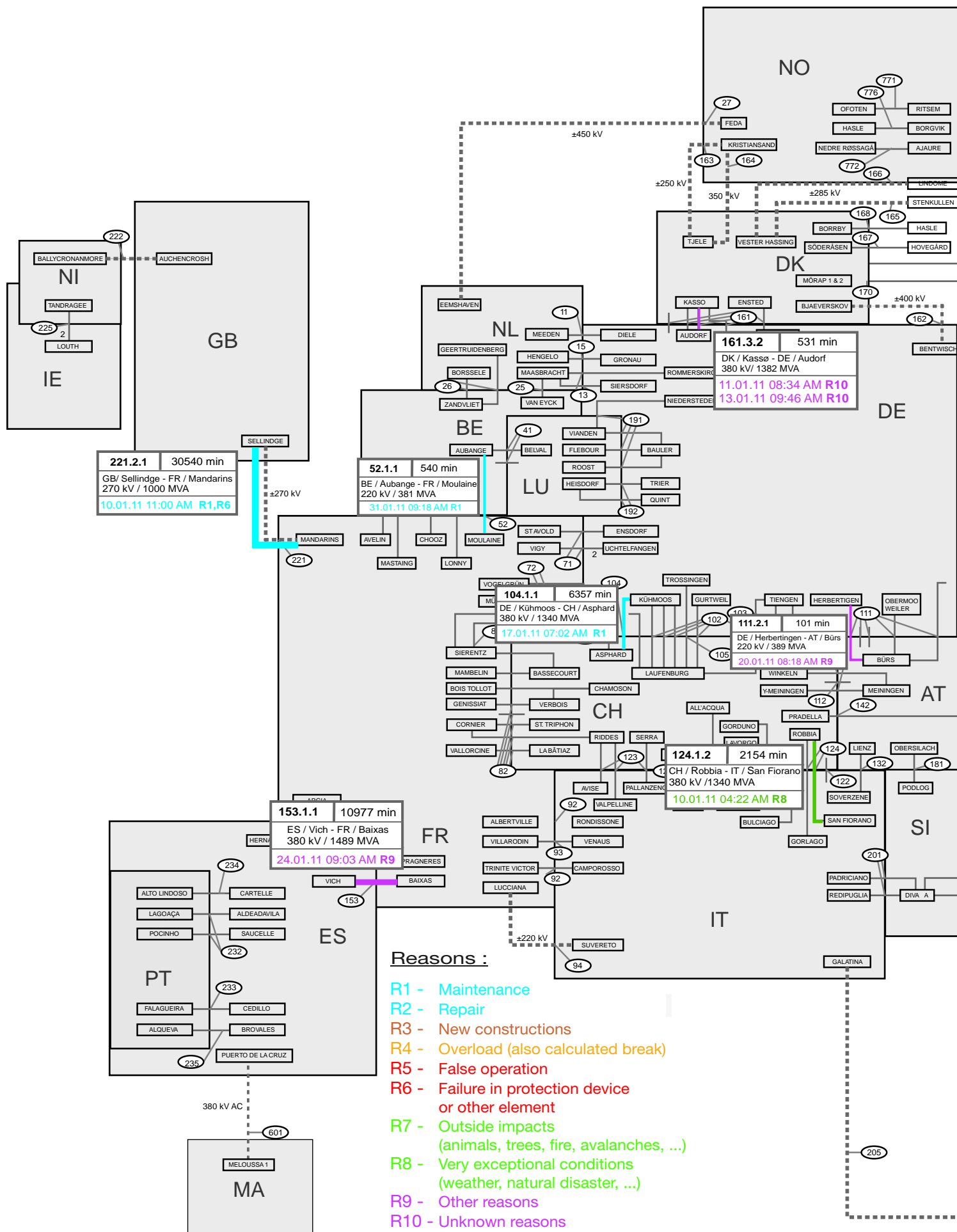
I = Import balance  
E = Export balance

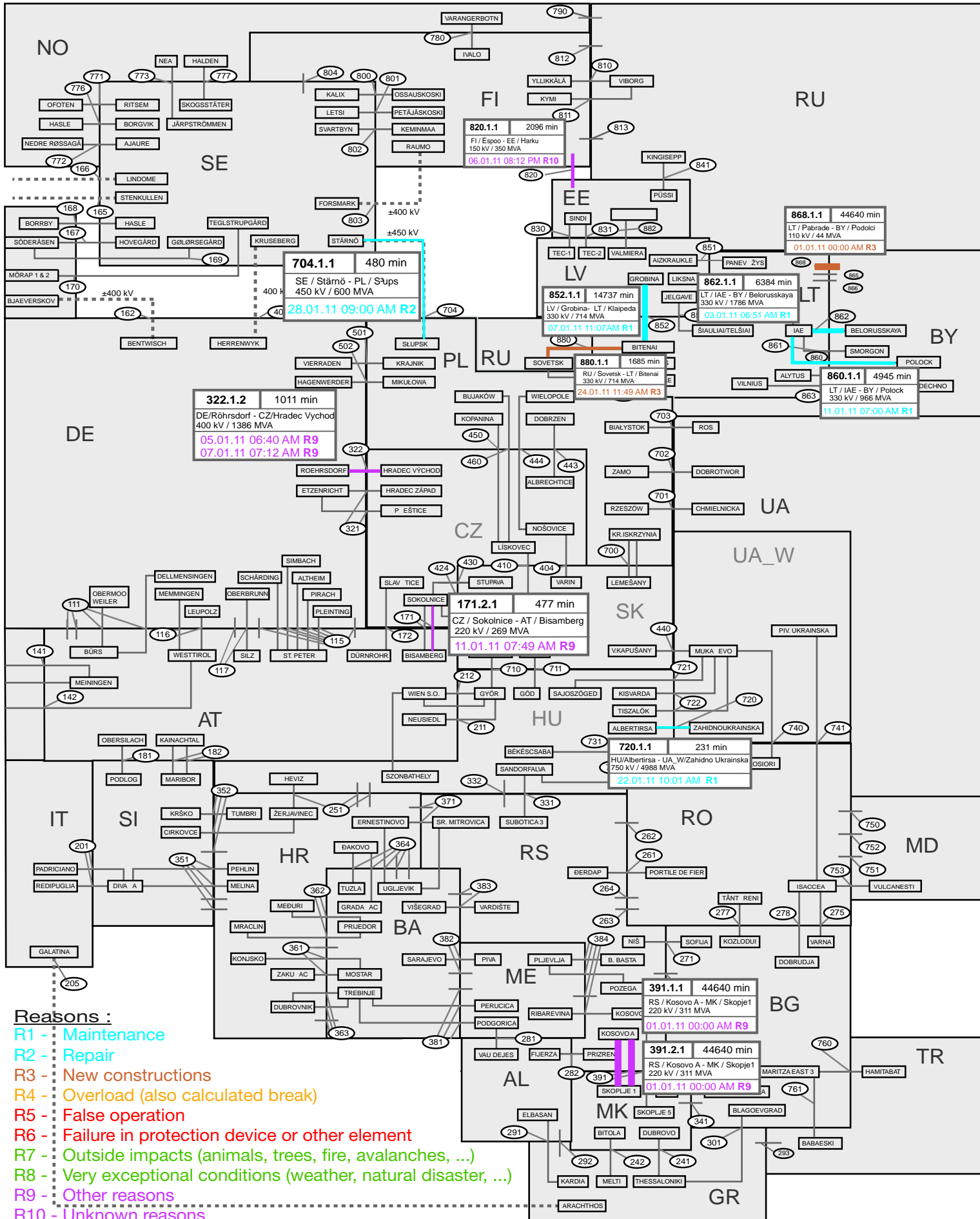


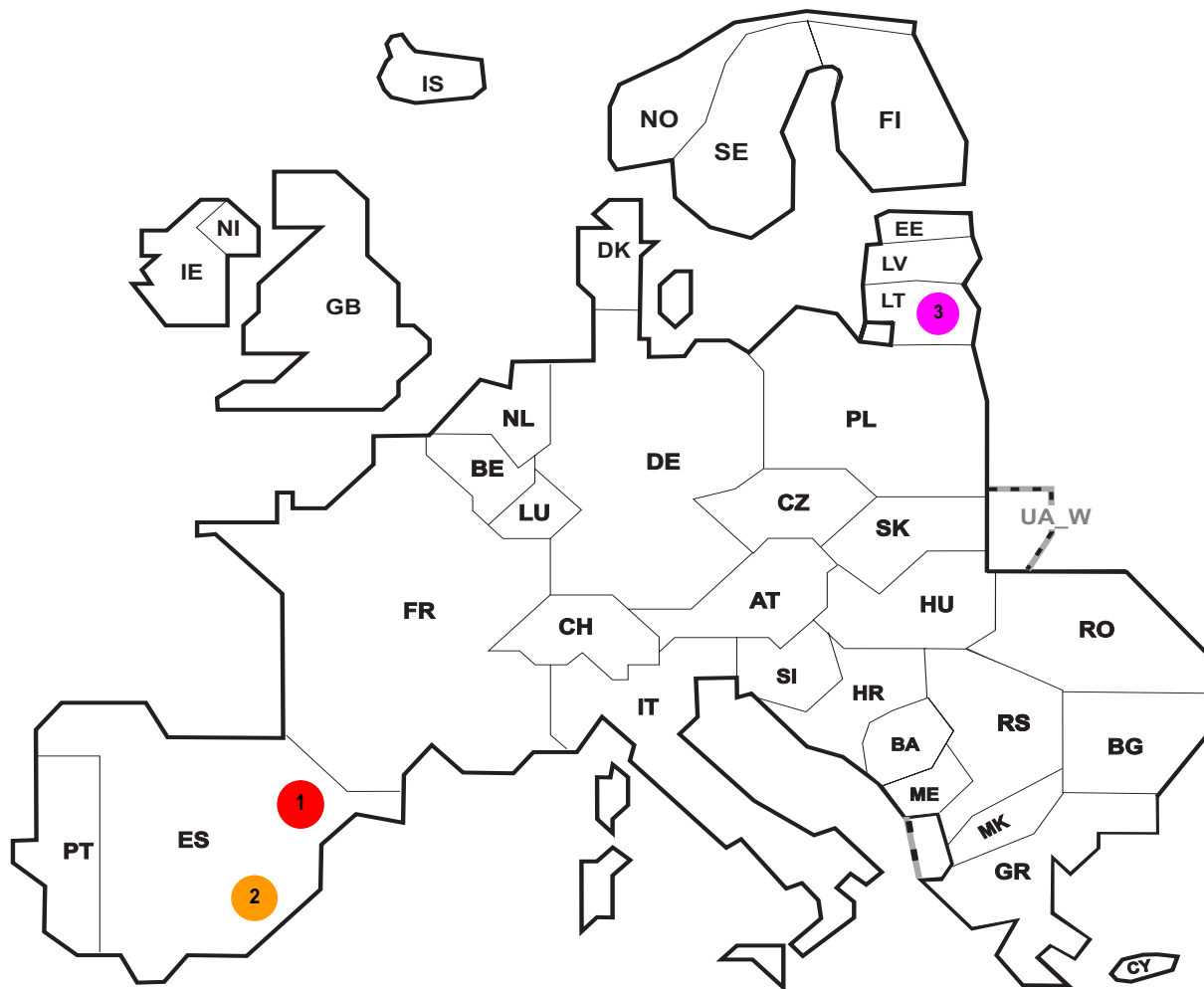
# 7

## Unavailability of international tie lines (major events with sum over 100 minutes)

January 2011







Reasons:

**R4** Overload (also calculated break)

**R5** False operation

**R6** Failure in protection device or other element

**R7** Outside impacts (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 ] | Average interruption duration [ min ] | Equivalent time of interruption <sup>1</sup> |
|----|---------|------------|--------|-----------------------------|----------------------------|---------------------------------------|--|
| 1  | ES      | Maragall   | R6     | 5                           | 48                         | 9                                     | 0,001  |
| 2  | ES      | Hoyamarena | R4     | 3                           | 55                         | 9                                     | 0,001  |
| 3  | LT      | Kauno HE   | R9     | 0                           | 25                         | 451                                   | 0,000  |

Information about incidents in other countries are not shown with energy not supply equal zero or unavailable in the database.

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

## Highest and lowest load on the 19.01.2011 CET of each country

|                 | Highest<br>load<br>MW | variation<br>% <sup>1</sup> | Lowest<br>load<br>MW | variation<br>% <sup>1</sup> | Load<br>representativity<br>% |
|-----------------|-----------------------|-----------------------------|----------------------|-----------------------------|-------------------------------|
| AT              | 9246                  | -0,1                        | 5691                 | -5,7                        | 100                           |
| BA              | 1910                  | 8,1                         | 1111                 | 3,1                         | 100                           |
| BE <sup>2</sup> | 13881                 | 5,5                         | 9998                 | 1,3                         | 100                           |
| BG              | 6069                  | -7,5                        | 4091                 | -5,9                        | 100                           |
| CH              | 10004                 | -1,2                        | 7091                 | -5,0                        | 100                           |
| CY <sup>3</sup> | 749                   | -2,9                        | 409                  | 7,3                         | 100                           |
| CZ              | 9434                  | -2,1                        | 7051                 | -4,5                        | 100                           |
| DE              | 80069                 | 3,2                         | 56775                | 4,0                         | 91                            |
| DK              | 5897                  | -3,3                        | 3280                 | -5,6                        | 100                           |
| EE              | 1319                  | -11,8                       | 875                  | -15,1                       | 100                           |
| ES              | 40504                 | 2,9                         | 25442                | 4,6                         | 98                            |
| FI              | 12458                 | -8,8                        | 10144                | -8,6                        | 100                           |
| FR              | 82450                 | -2,4                        | 60536                | -7,5                        | 100                           |
| GB              | 54357                 | -1,3                        | 31945                | 1,2                         | 100                           |
| GR              | 7359                  | -7,1                        | 4549                 | -1,8                        | 100                           |
| HR              | 2798                  | -3,4                        | 1674                 | 5,3                         | 100                           |
| HU              | 5698                  | 1,8                         | 3724                 | 1,5                         | 100                           |
| IE              | 4528                  | 2,7                         | 2576                 | 0,9                         | 100                           |
| IS              | 2078                  | 3,1                         | 1906                 | 3,0                         | 100                           |
| IT              | 51211                 | -0,6                        | 28638                | -0,8                        | 100                           |
| LT              | 1607                  | 3,1                         | 945                  | 0,9                         | 100                           |
| LU              | 1072                  | 2,4                         | 715                  | 2,3                         | 100                           |
| LV              | 1130                  | -10,1                       | 611                  | -16,2                       | 100                           |
| ME <sup>4</sup> | 589                   | n.a.                        | 389                  | n.a.                        | 100                           |
| MK              | 1362                  | 8,2                         | 983                  | 25,9                        | 100                           |
| NI              | 1681                  | 4,0                         | 846                  | 2,4                         | 100                           |
| NL              | 17214                 | 2,2                         | 9898                 | 2,1                         | 100                           |
| NO              | 20629                 | -3,5                        | 16230                | -3,8                        | 100                           |
| PL <sup>5</sup> | 21725                 | -3,3                        | 14458                | -5,2                        | 100                           |
| PT              | 8412                  | 0,9                         | 5134                 | 0,5                         | 97                            |
| RO              | 8226                  | 2,5                         | 5748                 | 2,5                         | 100                           |
| RS              | 6599                  | 2,1                         | 4455                 | -4,4                        | 100                           |
| SE              | 23212                 | -2,7                        | 16622                | -4,2                        | 100                           |
| SI              | 1907                  | 1,9                         | 1279                 | 15,3                        | 100                           |
| SK              | 4080                  | 1,1                         | 3048                 | 0,5                         | 100                           |
| <b>ENTSO-E</b>  | <b>517759</b>         | <b>-0,4</b>                 | <b>352056</b>        | <b>-1,4</b>                 |                               |
| UA_W            | 943                   | 1,9                         | 621                  | 6,5                         | 100                           |

<sup>1</sup> Variation as compared to corresponding month of the previous year

<sup>2</sup> The reported figures are best estimates based on actual measurements and extrapolations

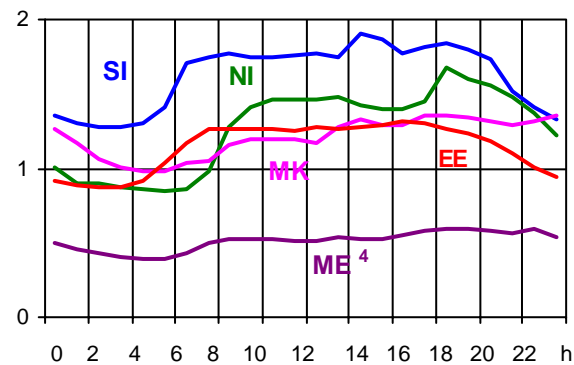
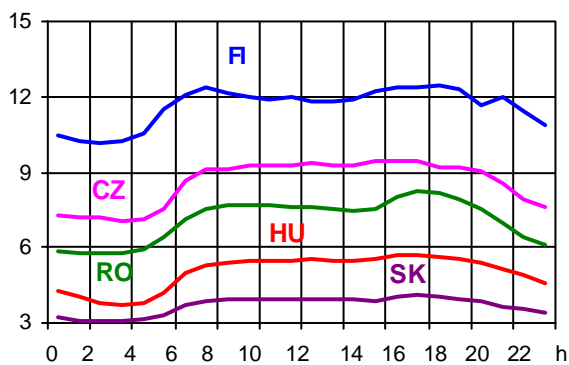
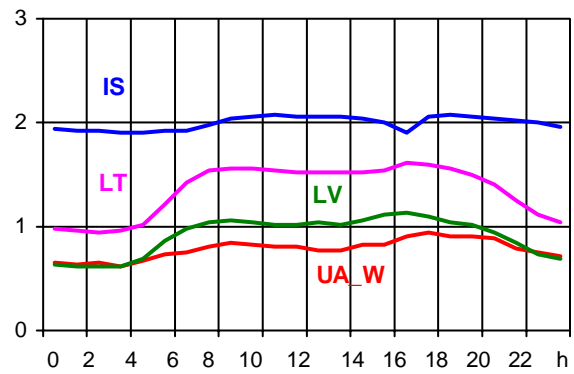
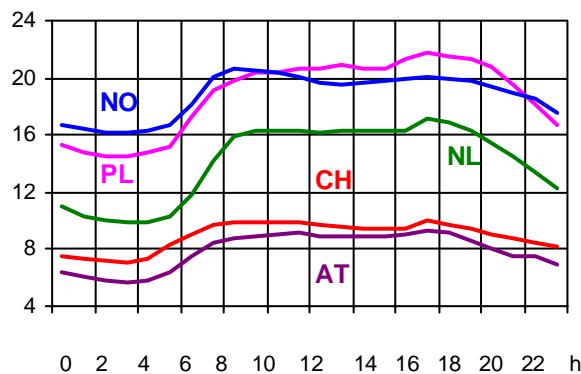
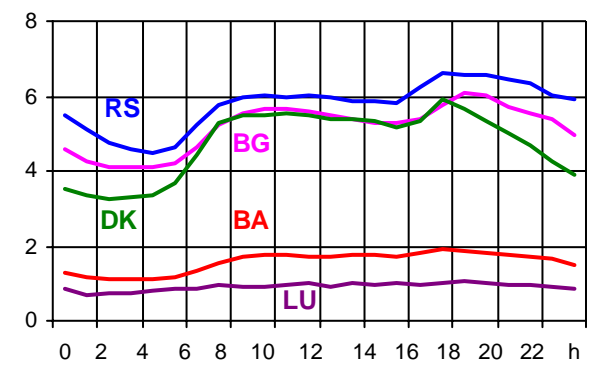
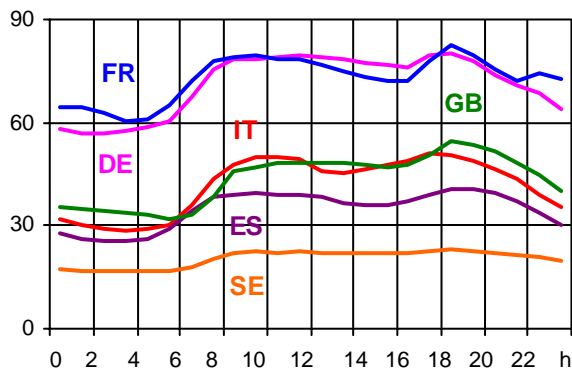
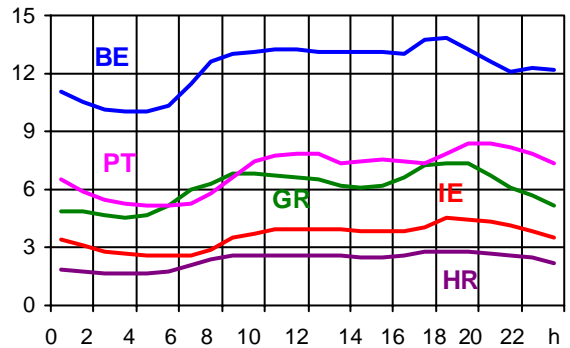
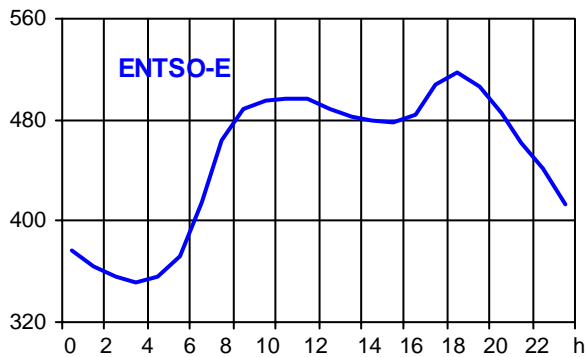
<sup>3</sup> Only highest and lowest load value available

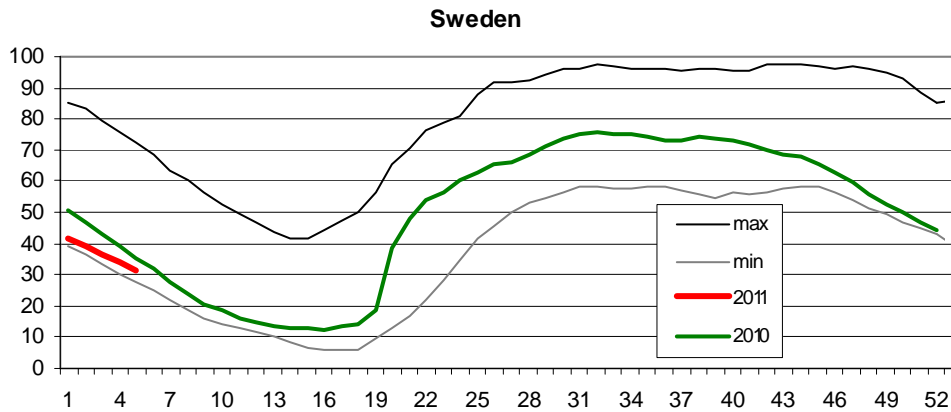
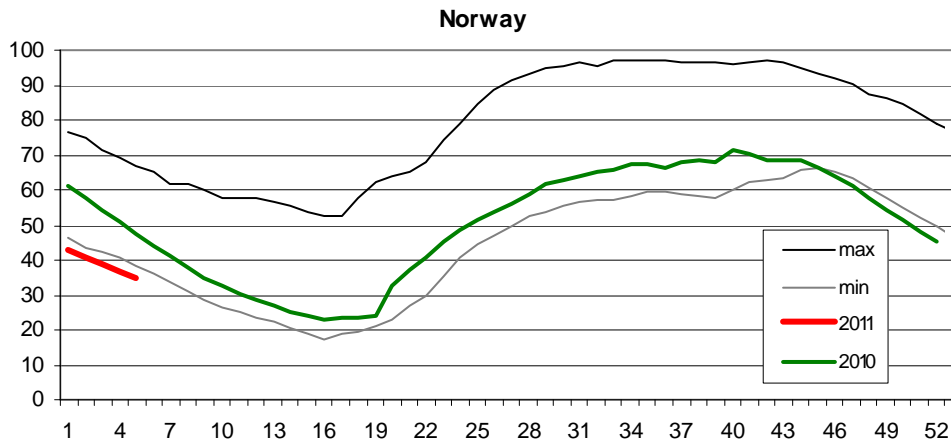
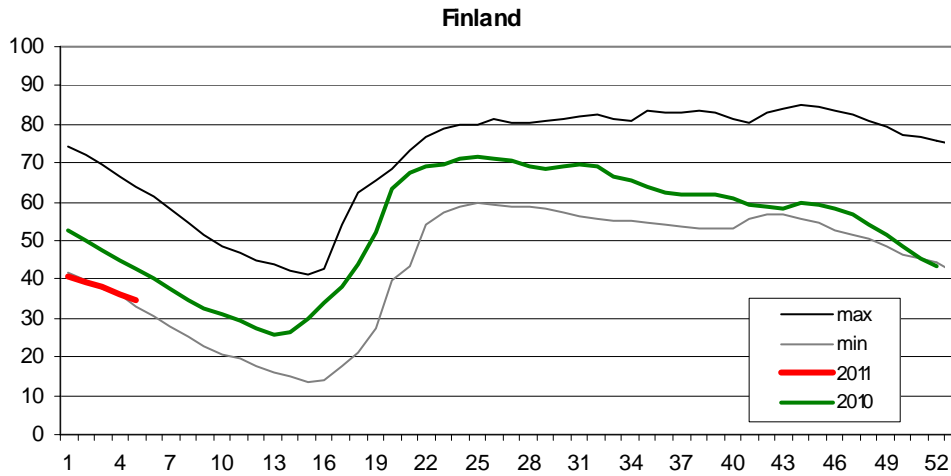
<sup>4</sup> Monthly load values as of 20<sup>th</sup> January 2010

<sup>5</sup> Operational data

Consumption hourly load curves on 19.01.2011 CET

Values in GW





**Finland:** Reservoir capacity: 5.530 GWh  
Minimum and maximum limits are based on values for the years 1990-2002

**Norway:** Reservoir capacity: 81.729 GWh  
The statistics are supposed to cover 97.1 percent of the total reservoir capacity.  
The total reservoir capacity is 84 147 GWh  
Minimum and maximum limits are based on values for the years 1990-2003

**Sweden:** Reservoir capacity: 33.758 GWh  
Minimum and maximum limits are based on values for the years 1950-2006

## Contact

Avenue de Cortenbergh, 100  
B-1000 Brussels – Belgium  
Tel + 32 2 741 0950  
Fax + 32 2 741 0951

[info@entsoe.eu](mailto:info@entsoe.eu)  
[www.entsoe.eu](http://www.entsoe.eu)

