

# Monthly report



**May 2012**

**Monthly provisional values as of 01 October 2012**

European Network of  
Transmission System Operators  
for Electricity

**entsoe**

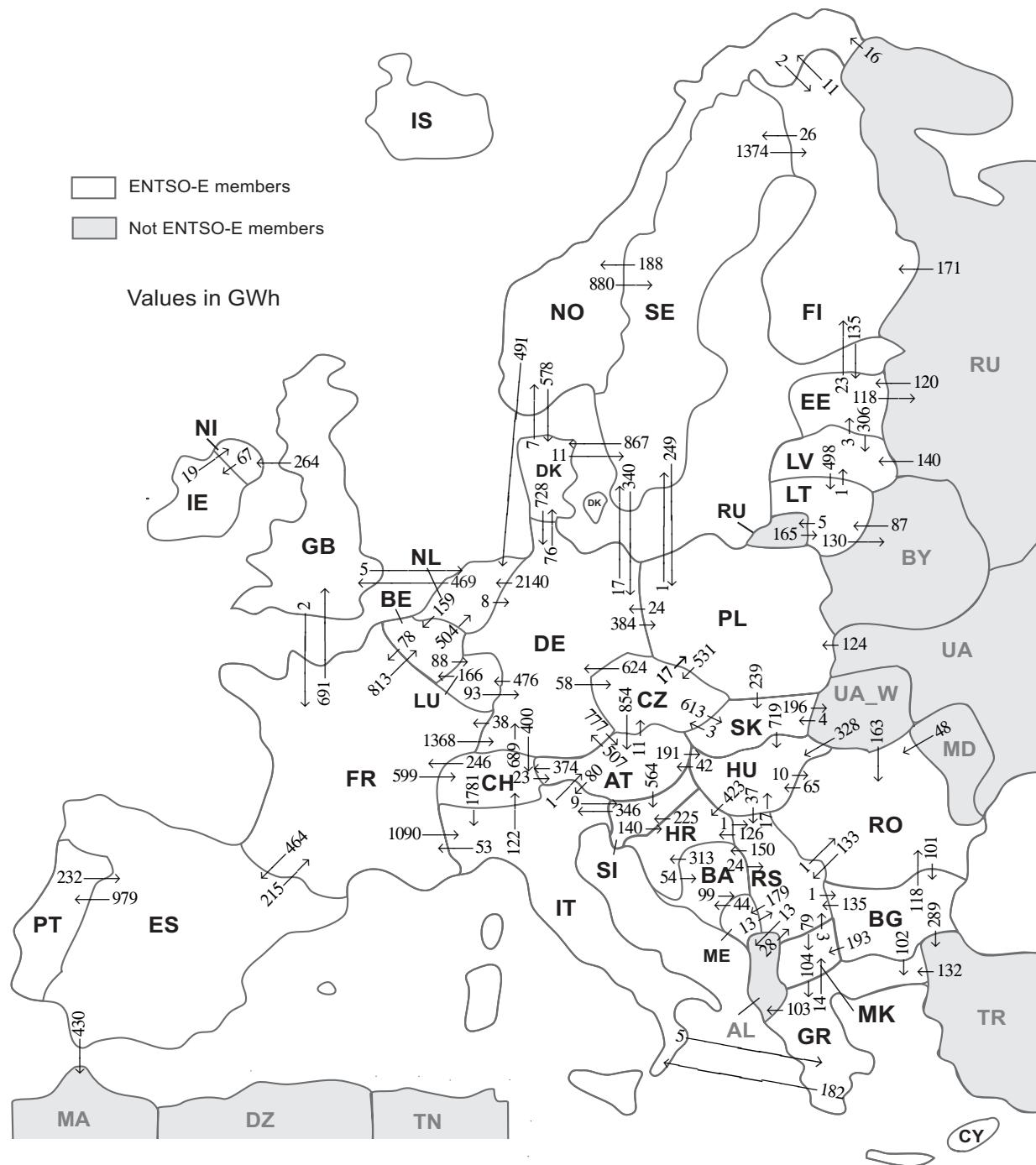
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#### **General remarks and abbreviations used in the tables**

- All values of production and consumption on page 2, 11 and 12 are calculated to represent 100% of the national values.
- All data with the country code GB represents monthly statistical data as sum of England, Scotland and Wales.
- All data with the country code NI represents the monthly statistical data of the Northern Ireland.
- CET Central European Time







Sum of physical energy flows between ENTSO-E countries: **31212 GWh<sup>1</sup>**

Total physical energy flows: **34022 GWh<sup>1</sup>**

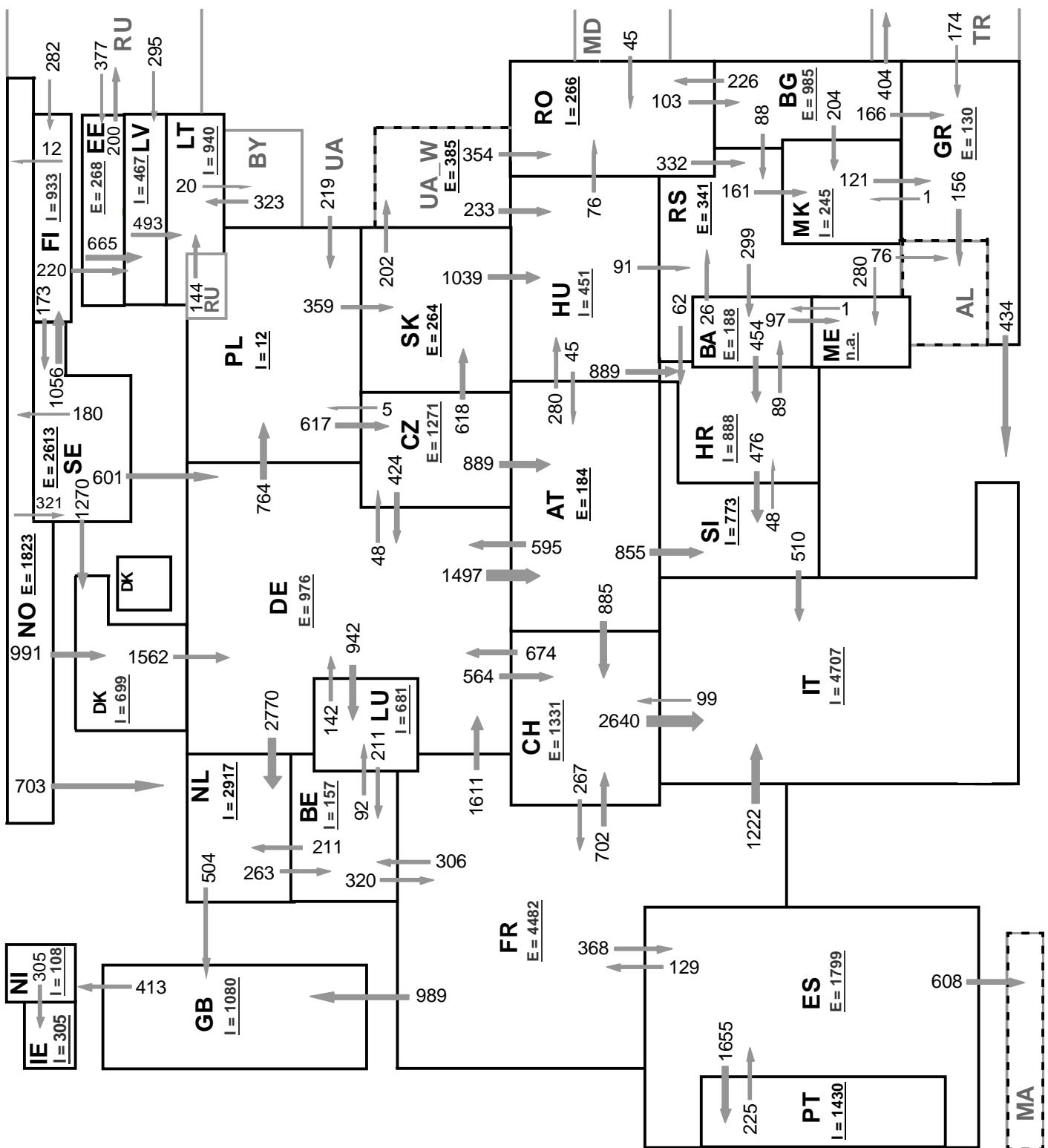
<sup>1</sup> Sum of physical energy flows without exchanges between ME-AL.

Not ENTSO-E members:

Albania, Belarus, Morocco, Republic of Moldavia, Republic of Turkey, Russia, Ukraine and Ukraine West

These physical energy flows were measured on the cross-frontier transmission lines ( $\leq 110$  kV) listed in table characteristics of the cross-frontier lines published in the Statistical Yearbook. These values may differ from the official statistics and the exchange balances on page 2.





Sum of load flows in MW

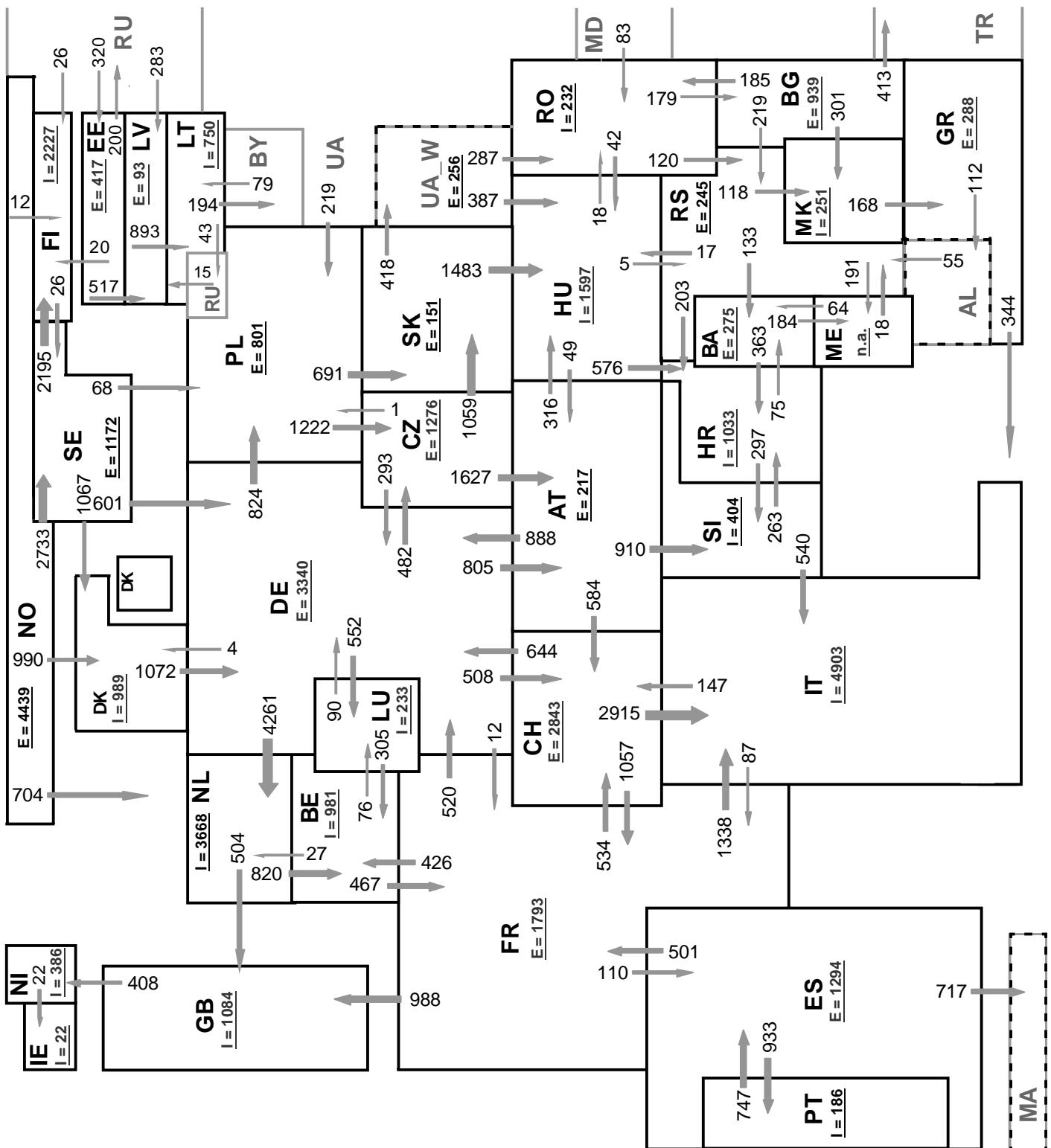
( Calculated sum without data between ME - AL )

ENTSO-E = 40025 MW

Total = 44137 MW

Synchronous operation with ENTSO-E region

I = Import balance  
E = Export balance



Sum of load flows in MW

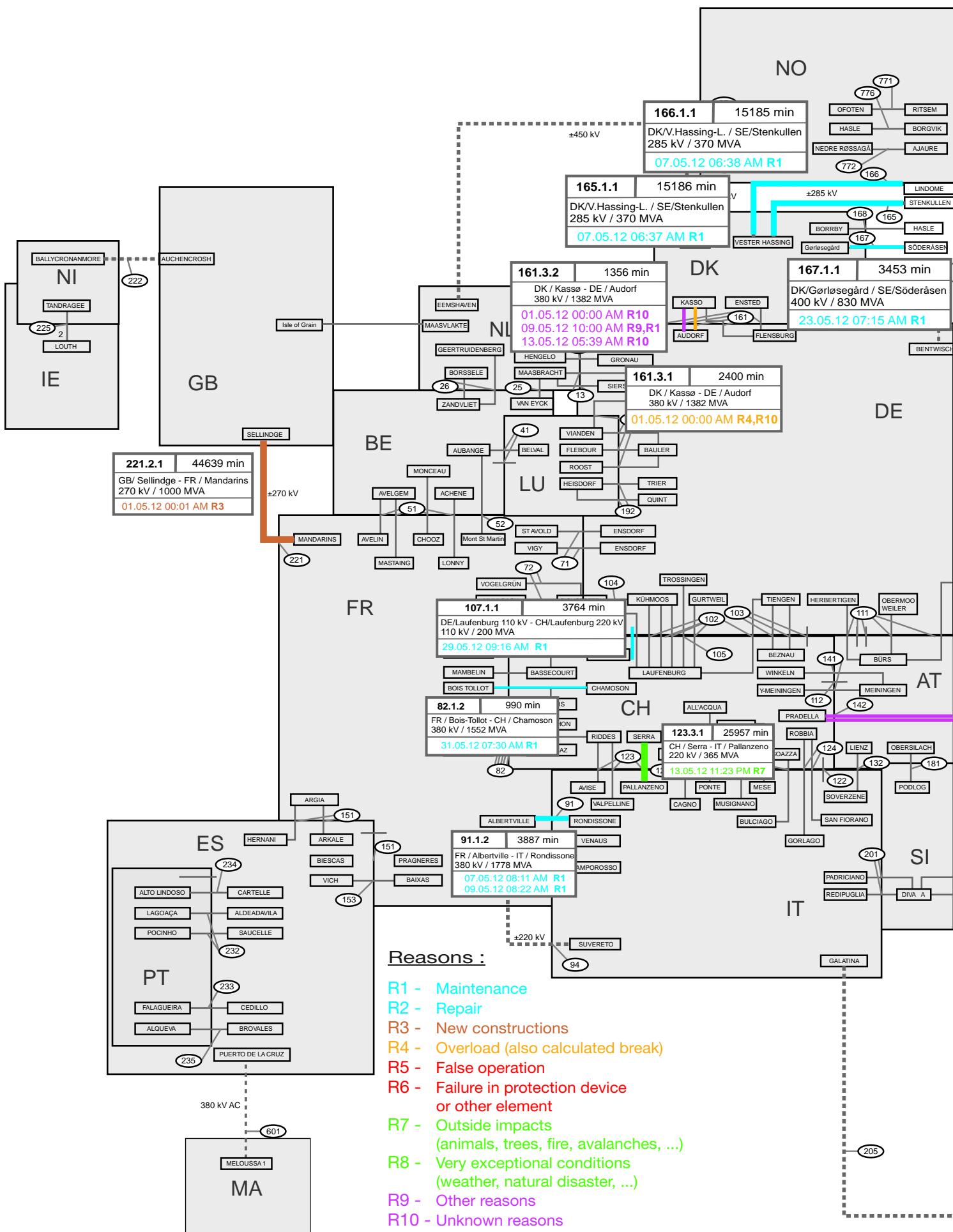
(Calculated sum without data between ME - AL)

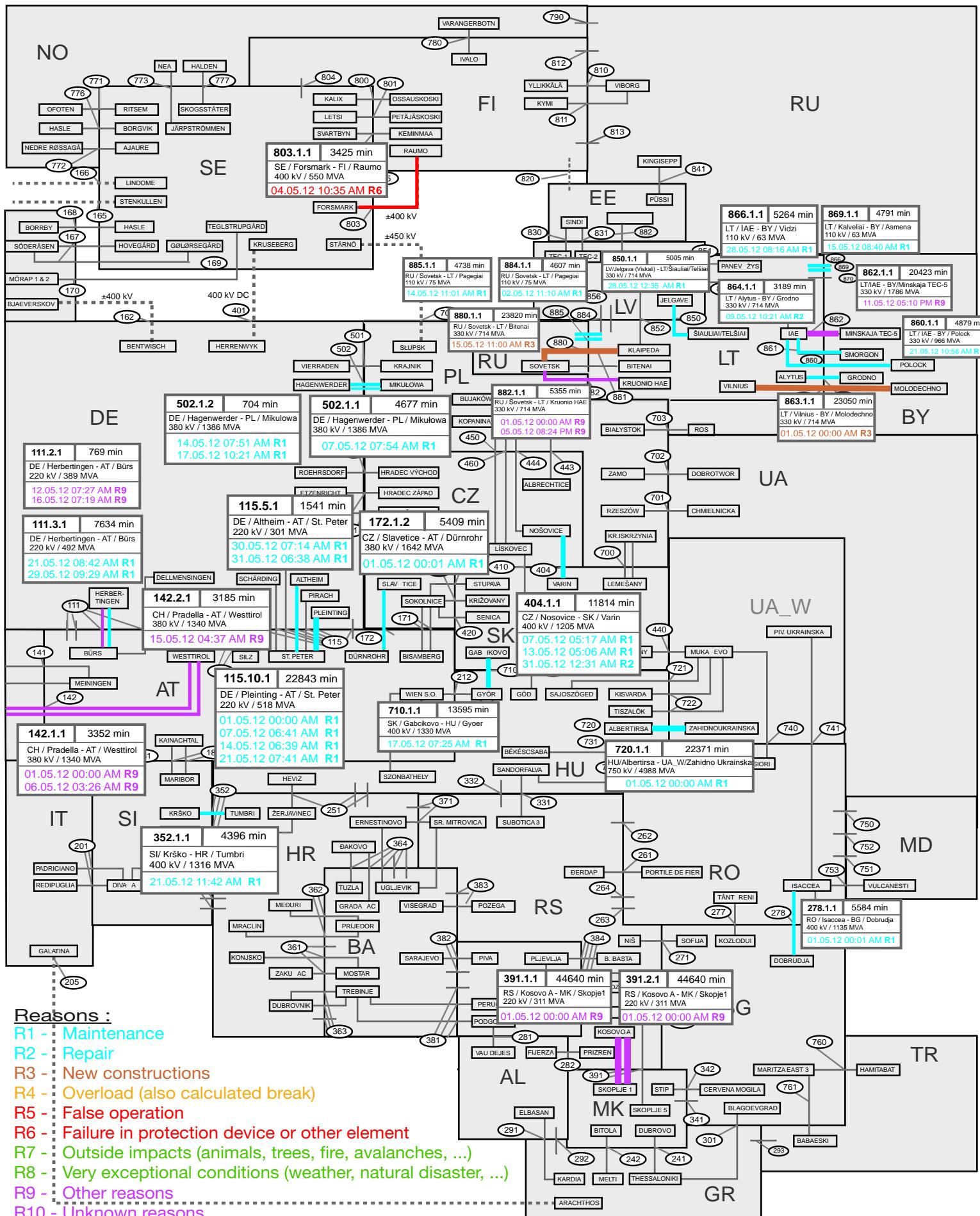
ENTSO-E = 45241 MW

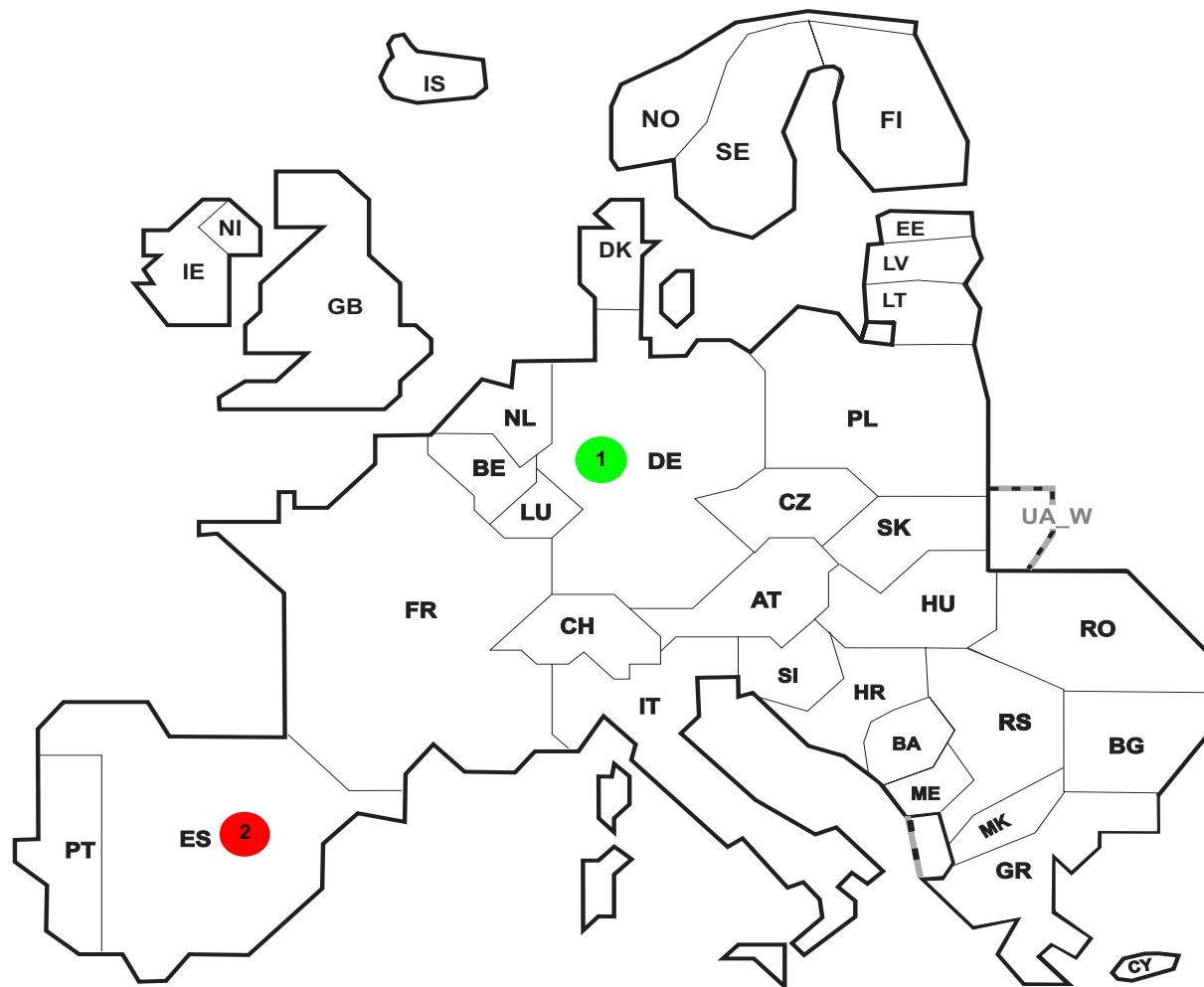
Total = 49609 MW

Synchronous operation with ENTSO-E 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, ...)

- 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  | DE      | Edelstahl   | R8     | 6                           | 6                          | 55                                    | 0,005  |
| 2  | ES      | Majadahonda | R5     | 1                           | 3,0                        | 2                                     | 0,001  |

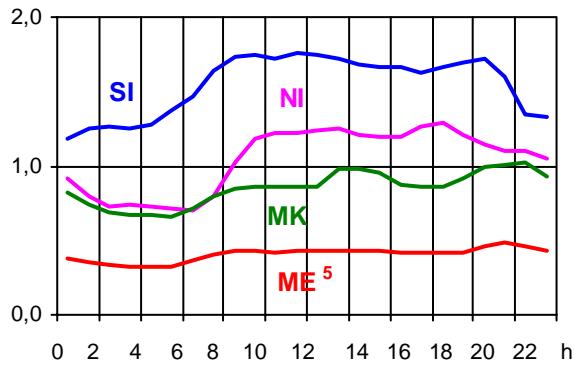
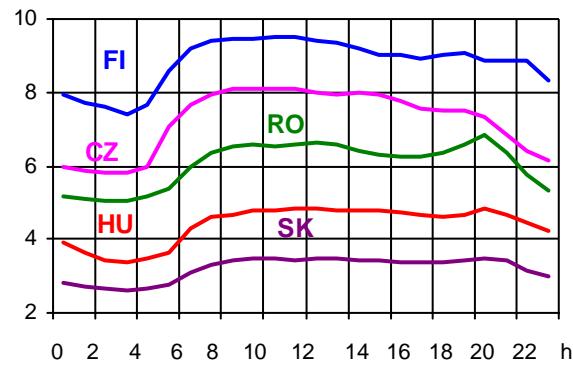
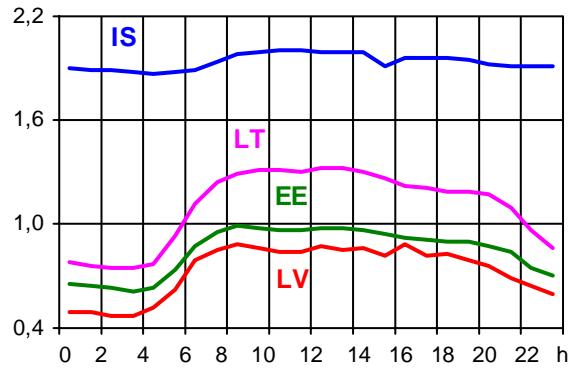
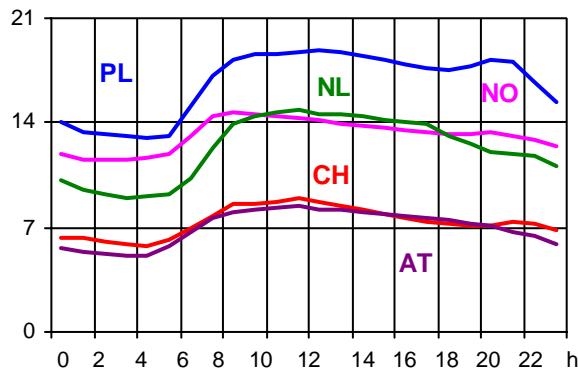
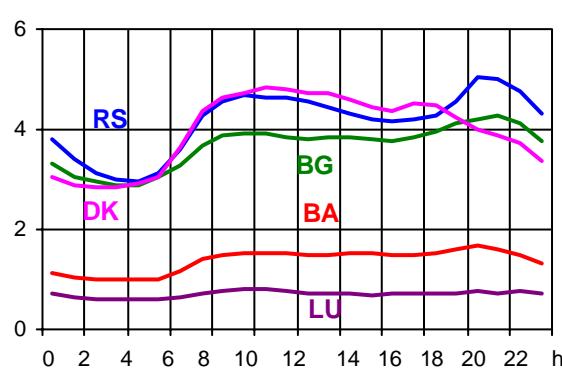
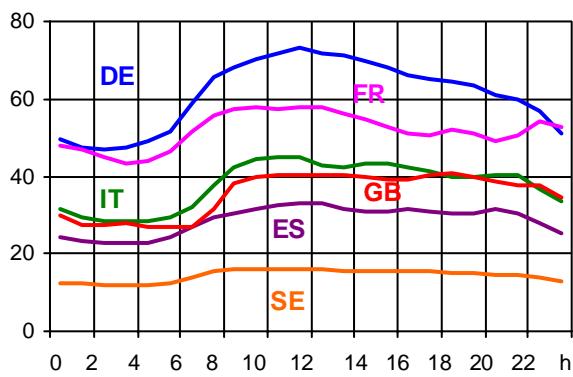
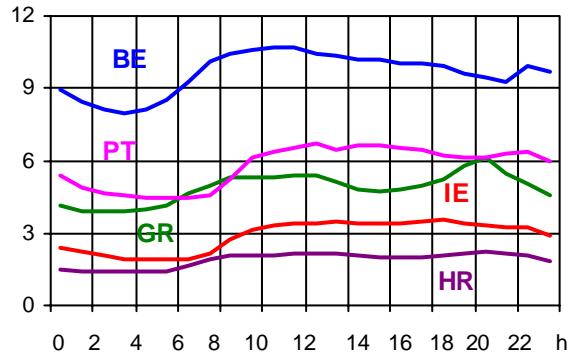
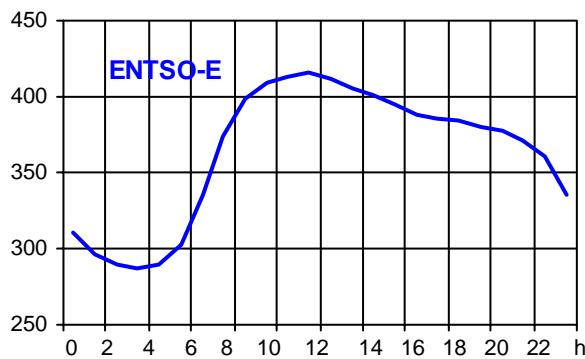
Information about incidents in other countries are not shown with energy not supply equal zero or unavailable in the database.

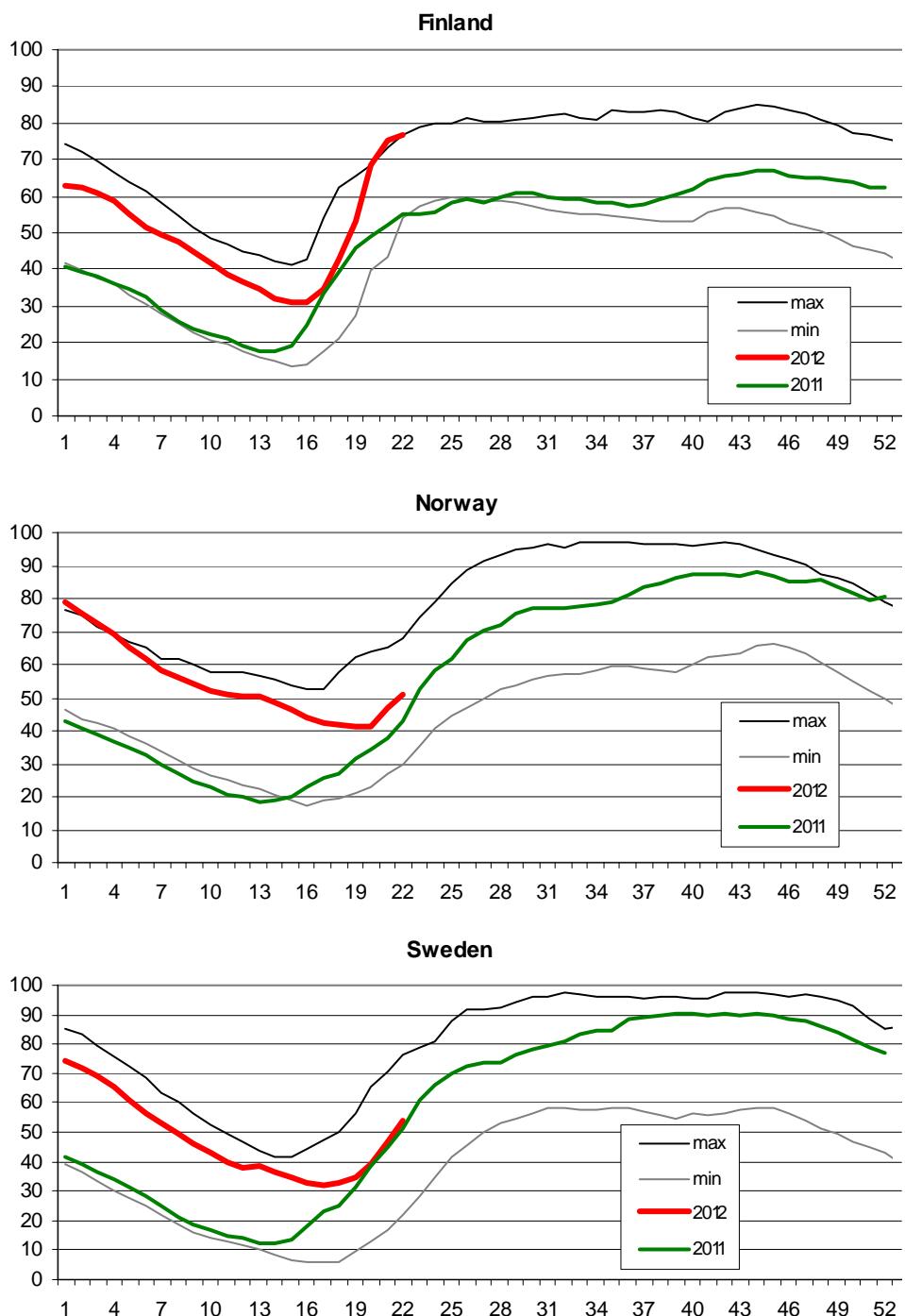
<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months



Consumption hourly load curves on 16.05.2012 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

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