



ENTSO-E

SUMMER OUTLOOK

7 June 2016 – Webinar

Moderator: Claire Camus (ENTSO-E)

Presenter: Daniel Huertas Hernando (ENTSO-E)

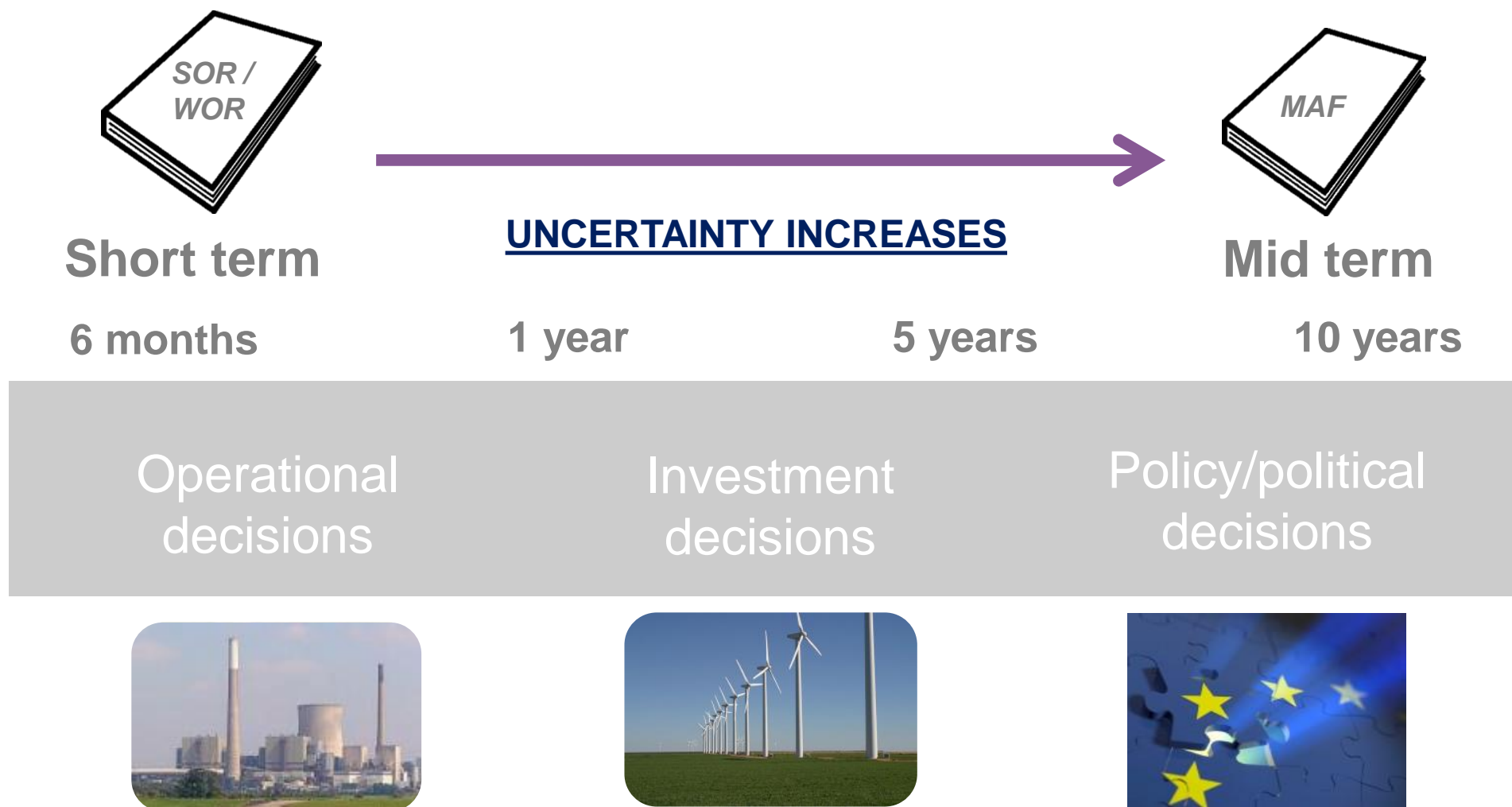


Reliable Sustainable Connected

Outlook

- 1. Introduction**
- 2. Electricity Summer Outlook**
- 3. Questions**
- 4. Conclusion**

Different risks should be addressed in different time horizons



ENTSO-E Seasonal Outlooks – the Why, the How and the What

WHY?

Raising awareness on potential risks for a power system not to be able to cover its demand = adequacy issues

HOW?

Use of a harmonised, transparent and reproducible methodology
Linking effects to causes

WHAT?

Locates issues in space and time
Identifies short-term operational solutions

ENTSO-E Seasonal Outlooks – Stepwise approach

1. Collect inputs from TSOs

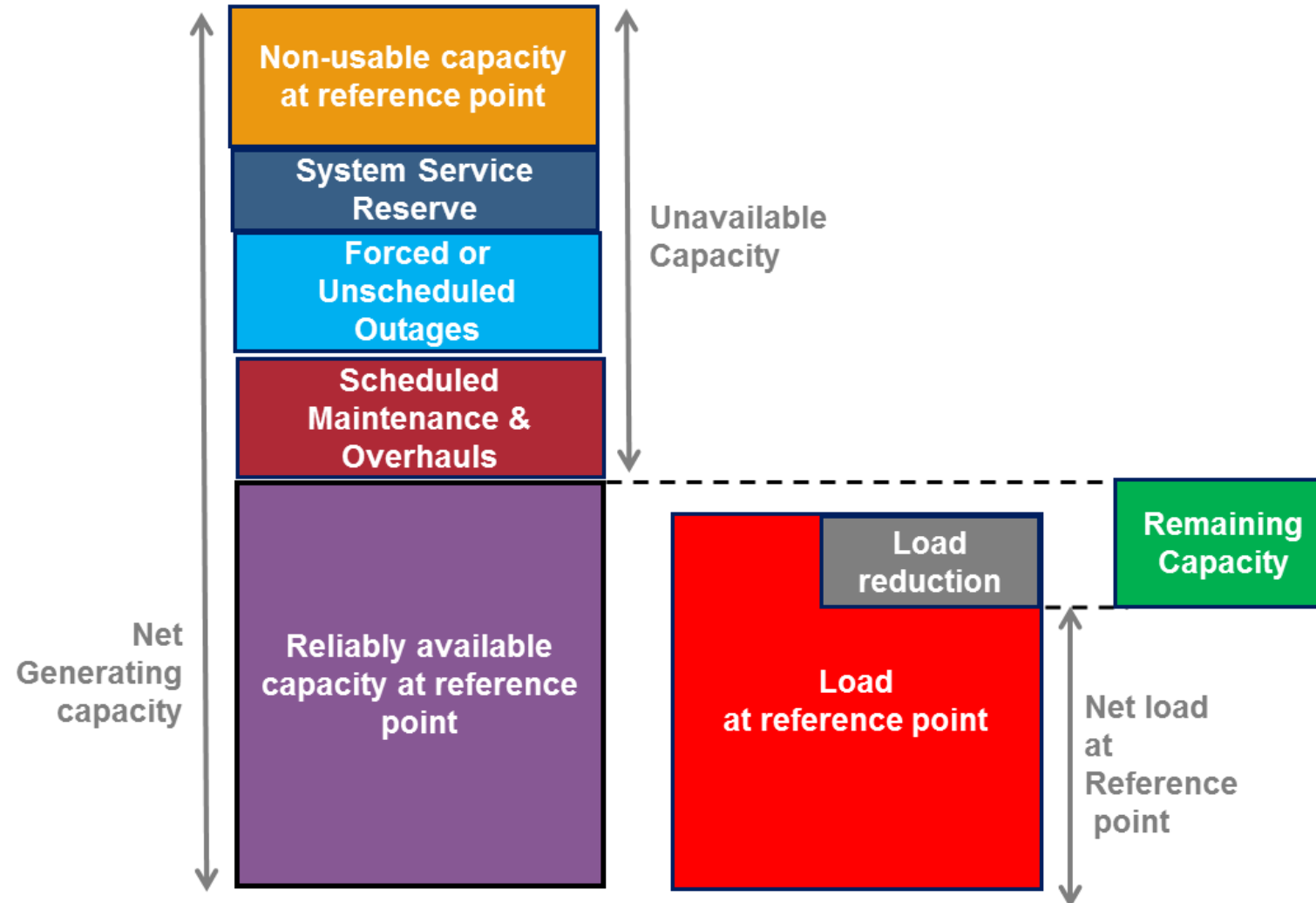
2. Build a pan-European worst-case scenario

- Using TSO data and Pan-European Climatic Database

3. Focused analysis of regions potentially at risk

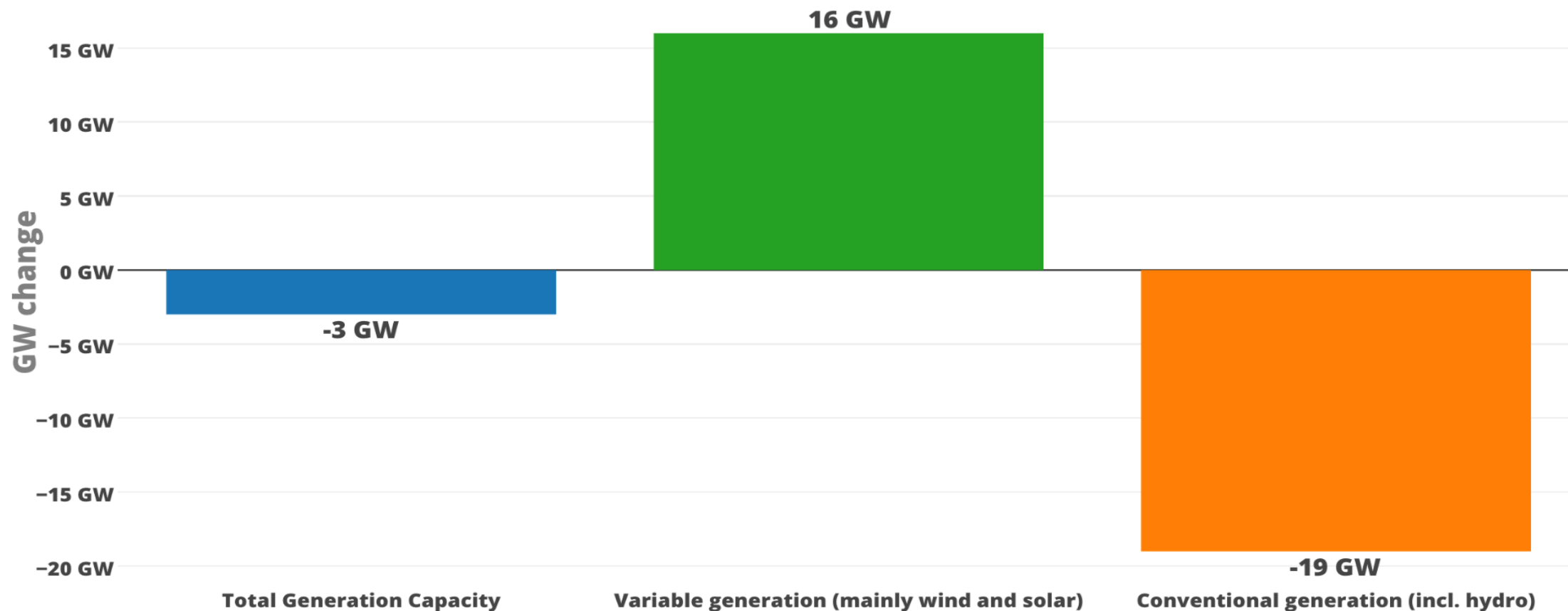
- Probabilistic approach using a lot of possibilities. Aim is to be able to say with how much probability an issue can occur.
- The parameters driving the issues are identified

ENTSO-E Seasonal Outlooks - Methodology



ENTSO-E Summer Outlook 2016 - Findings

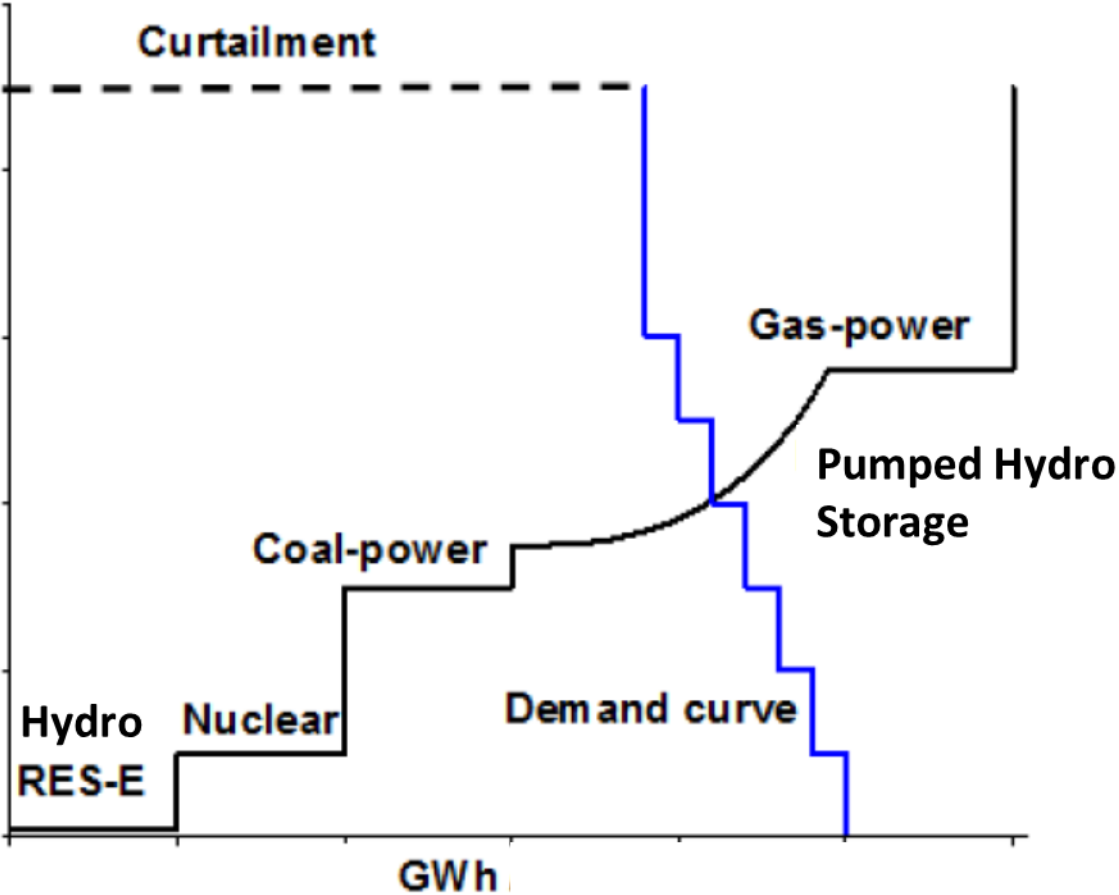
Total Generation Capacity Evolution (SOR16 vs SOR15)



ENTSO-E Summer Outlook– Normal Conditions & Merit Order

Cross-border exchanges

- market driven
- contributions to adequacy

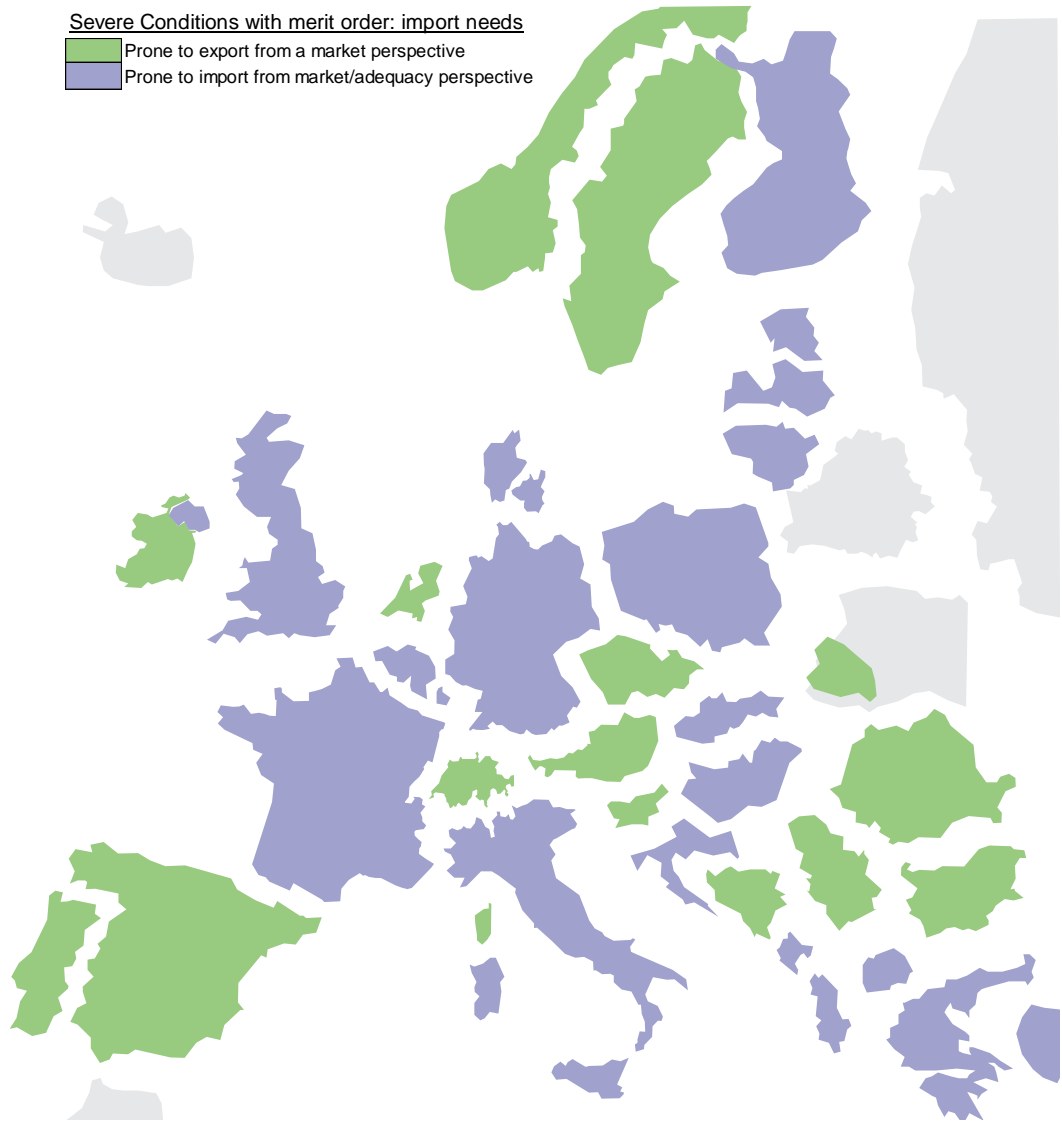


Week	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
AL																		
AT																		
BA																		
BE																		
BG																		
CH																		
CZ																		
DE																		
DK																		
EE																		
ES																		
FI																		
FR																		
GB																		
GR																		
HR																		
HU																		
IE																		
IT																		
LT																		
LU																		
LV																		
ME																		
MK																		
NI																		
NL																		
NO																		
PL																		
PT																		
RO																		
RS																		
SE																		
SI																		
SK																		
CY																		
TR																		
MT																		
UA_W																		

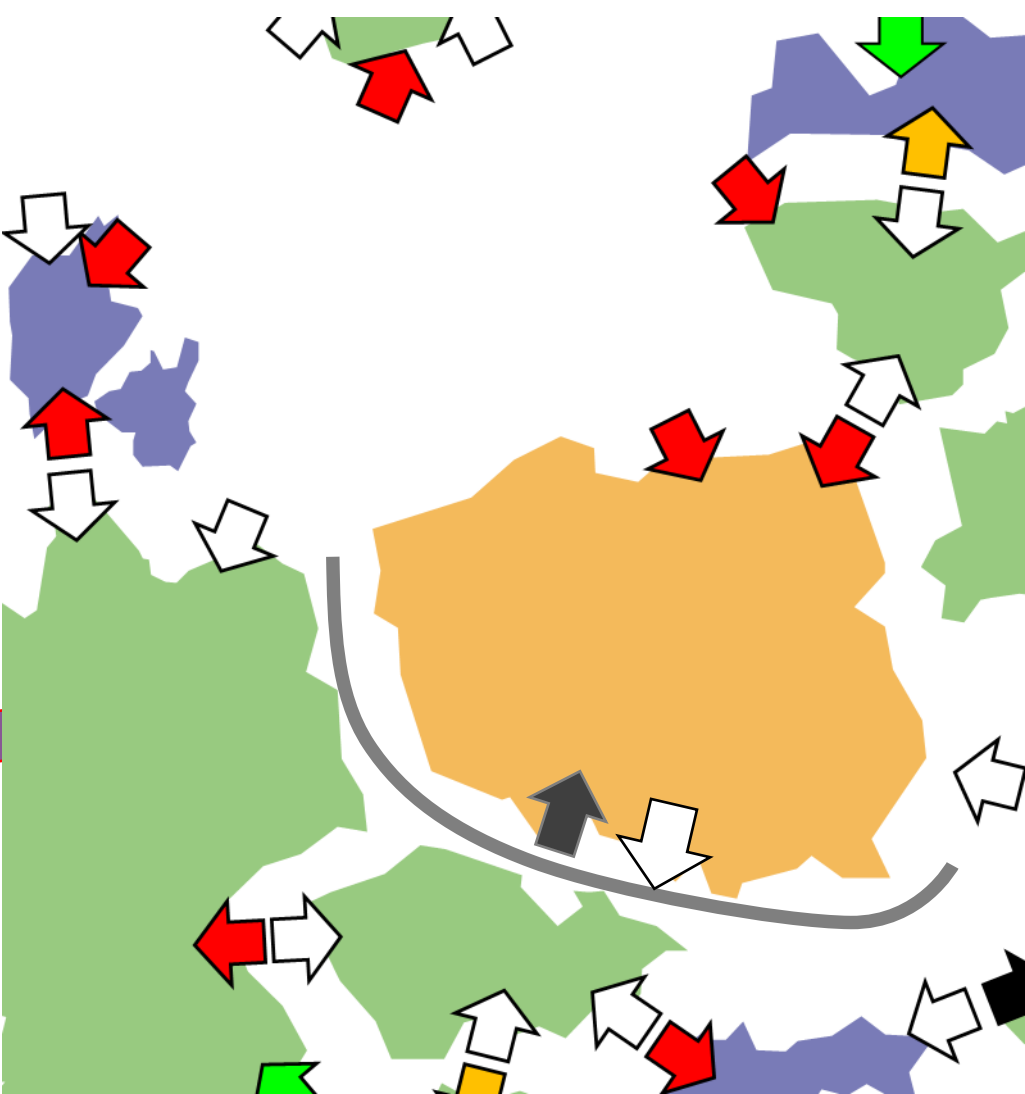
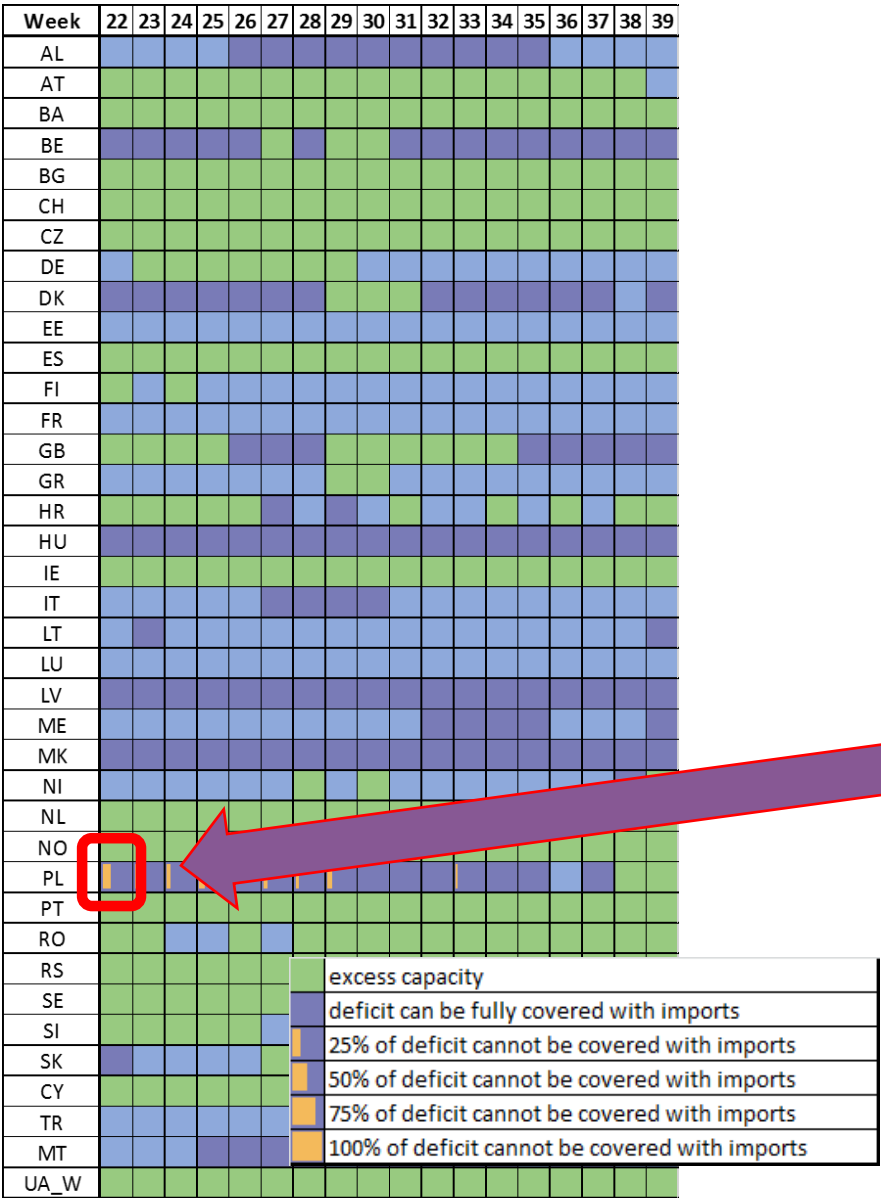
	Country prone to export from a market perspective
	Country prone to import from a market perspective
	Country requires imports from an adequacy perspective

ENTSO-E Summer Outlook– Severe Conditions (Sensitivity)

Week	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
AL																		
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																		
CY																		
TR																		
MT																		
UA_W																		



ENTSO-E Summer Outlook– Severe Conditions (Sensitivity)

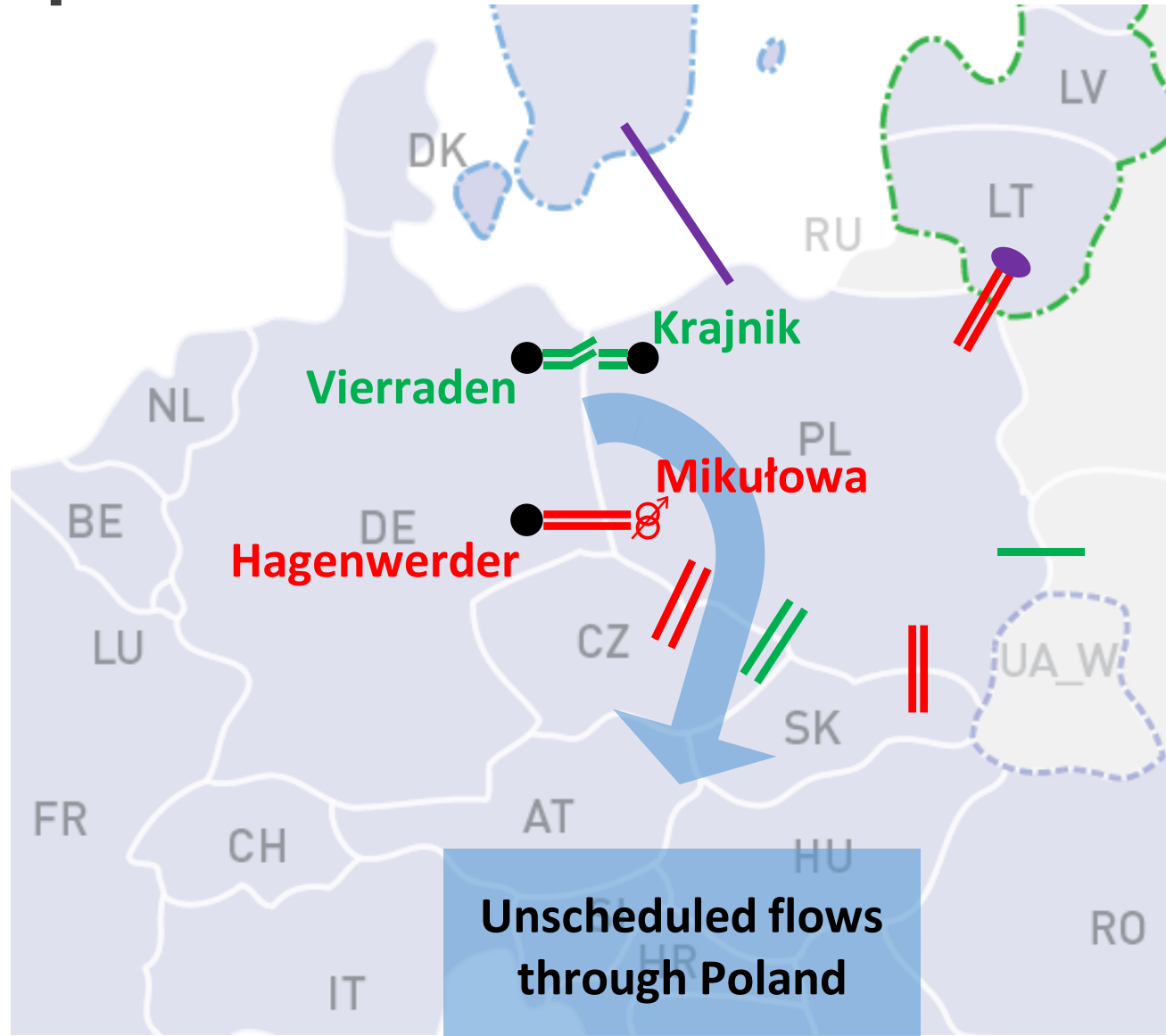


Summer Outlook– **Risk** Identified for Poland in Severe Conditions

- A potential risk is identified for Poland
- Simulation of the Polish situation for **Week 22** (merit order approach)
- **All available cross-border capacities into Poland are saturated** (all import arrows entering Poland are red)
- **No capacity is forecasted by PL TSO as available** on the common synchronous profile with DE+CZ+SK. (profile congestion by unscheduled flows through Poland from the west to the south)

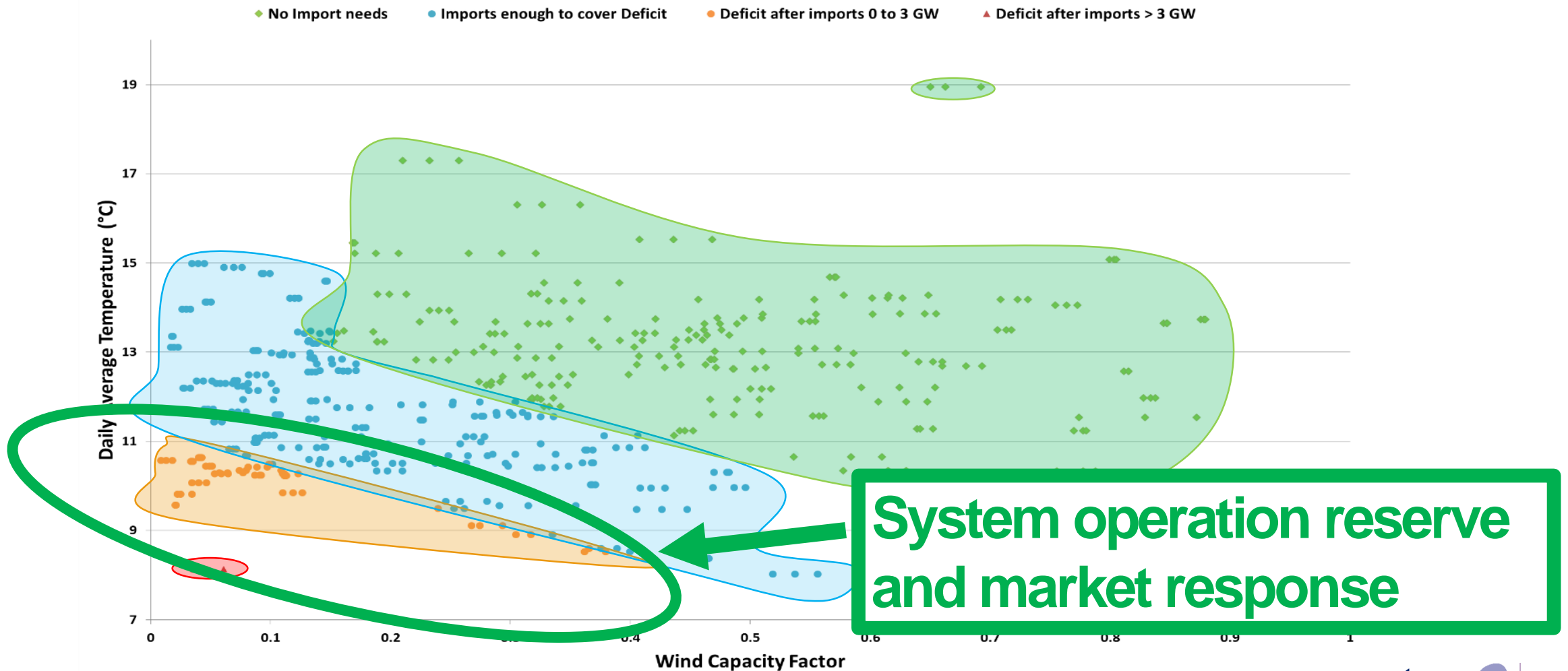
Poland – Preparedness by concerned TSO

Overview of preventive measures



Summer Outlook 2016 – Probabilistics sensitivity for Great Britain (Week 38) - **Risk** Identified for GB and **preparedness**

Great Britain - Week 38 - Severe conditions



Details for each country

**Read the Summer Outlook report
on entsoe.eu**

COMING UP: Mid-Term Adequacy Forecast 2016

Brandnew more probabilistic methodology – more reflective of variability of power flows - applied to the pan-European area

Results unveiled **on 6 July 12.00 @ENTSO-E**
Register now on www.entsoe.eu

Follow us on

