

ENTSO-E Summer Outlook 2025

Public Webinar – 28 May 2025 – 11h30 to 12h00 CEST



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Housekeeping rules

#2713783

- The Webinar will be recorded
- Ask questions directly through sli.do
- Enter your name & company details
- Vote for the most relevant questions
- The moderator will select most relevant questions and ask the speakers to comment
- The teams “chat” and “hand raising” features will not be used.

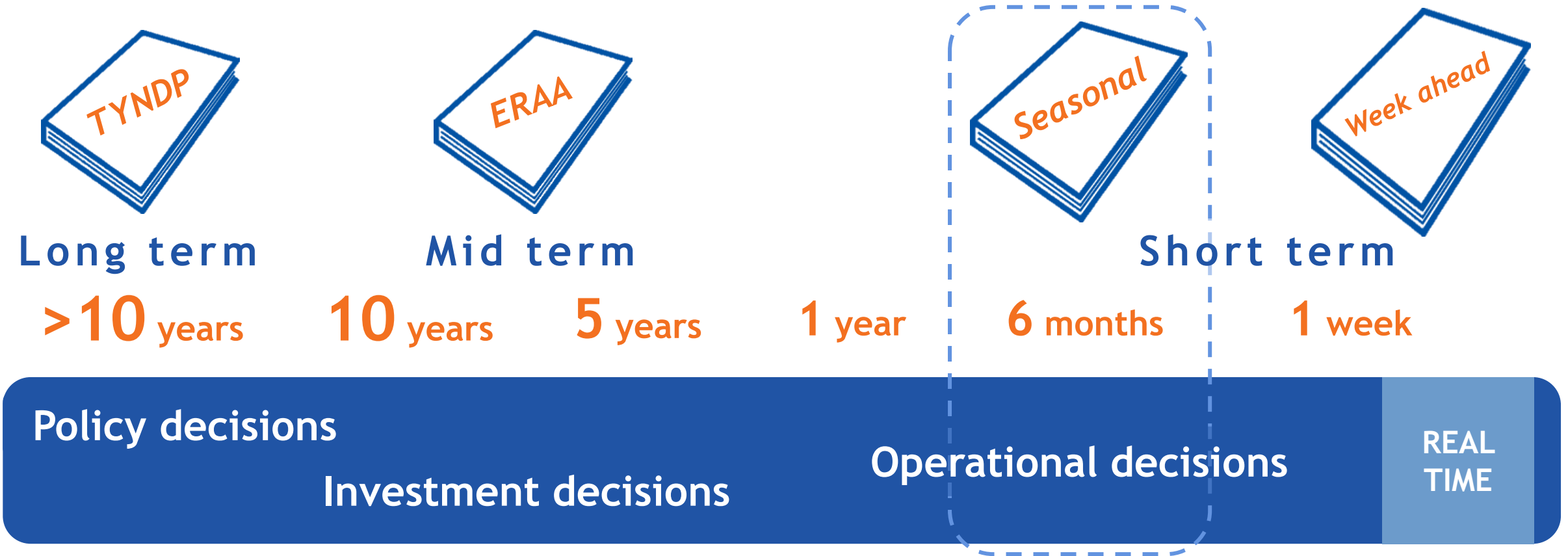
The screenshot shows the Slido website interface. At the top, there is a navigation bar with links for Product, Solutions, Pricing, Resources, Enterprise, and Careers. On the right, there are links for Contact sales, Log In, and a green Sign Up button. The main heading reads "The easiest way to make your meetings interactive". Below this, a sub-heading says "Engage your participants with live polls, Q&A, quizzes and word clouds — whether you meet in the office, online or in-between." There are two buttons: "Get started for free" and "Request a demo". A search bar for joining as a participant is highlighted with a red circle and a red arrow, containing the text "# Enter code here". Below the main content, there are tabs for "Q&A" and "Polls", and a profile icon in the top right corner, also highlighted with a red circle and a red arrow. A "My profile" dropdown menu is shown, containing fields for "Your name", "Your company", and "Your email". In the bottom left corner, there is a QR code and the text "Sli.do QR code".

Sli.do
QR code



Relia

Different risks are addressed within different timeframes



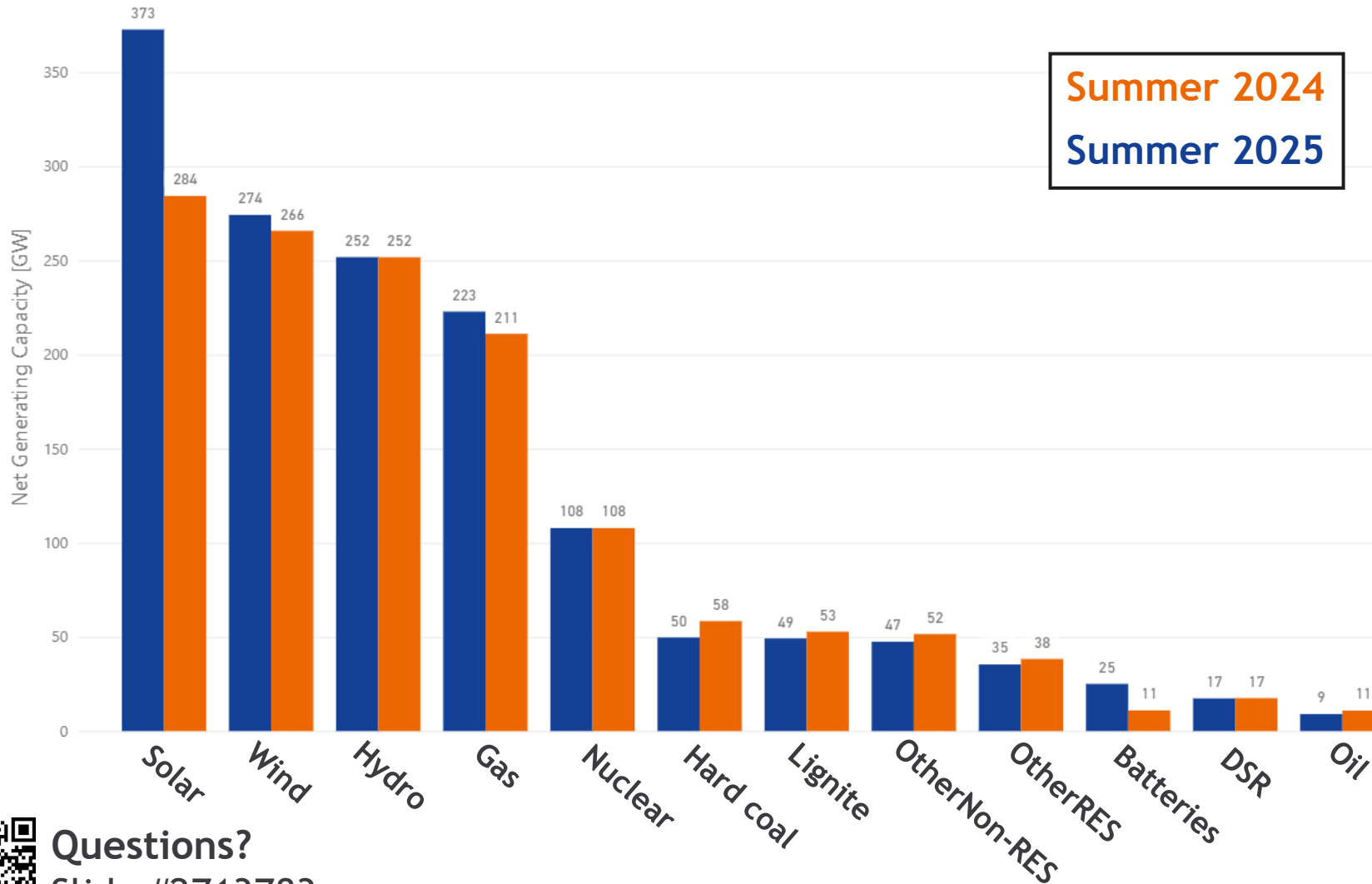
← UNCERTAINTY INCREASES WITH TERM LENGTH



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Summer trends in available generation (1)

Capacity change compared to last summer



Total increase
RES:
97 GW



Total decrease
Thermal:
7 GW



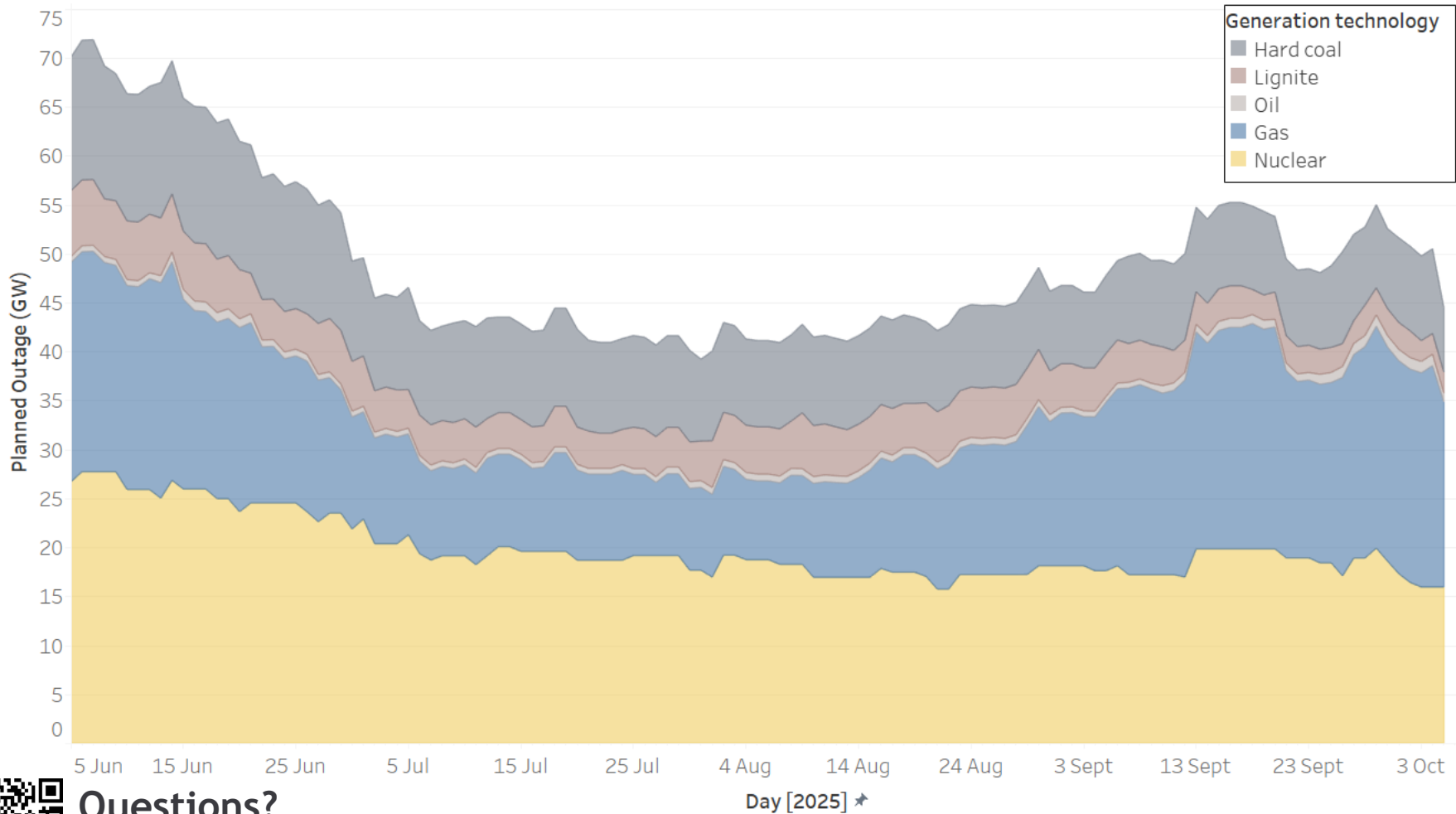
Decommissioning
of coal, lignite and
oil balanced by
commissioning of
gas units



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Summer trends in available generation (2)

Planned unavailability of thermal units (as of March)



Decrease towards mid-summer

Minor increase end of summer

Nuclear shows highest levels of unavailability



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Adequacy overview




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 Risks in islands

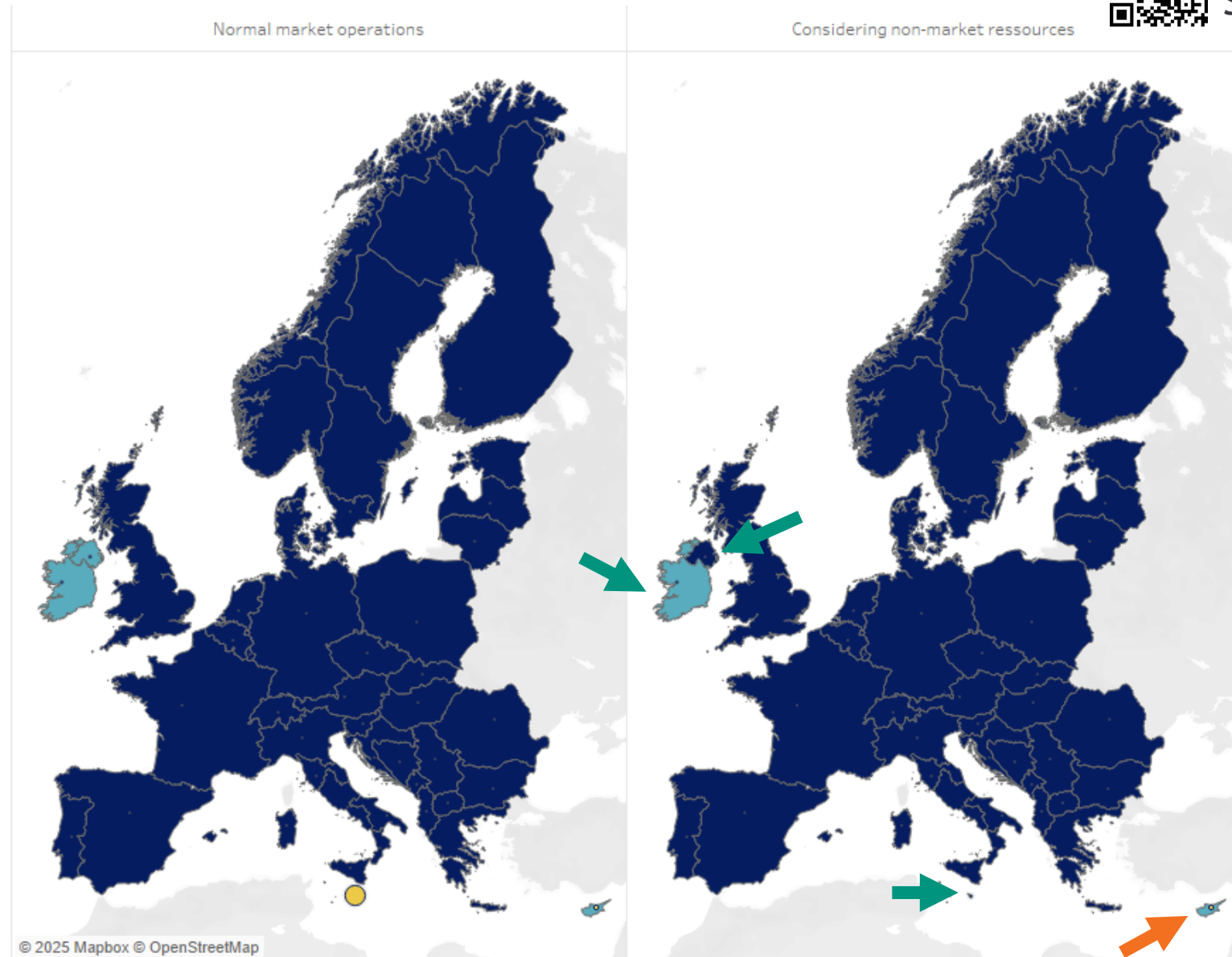
 Dedicated non-market resources can help addressing risks

 Continuous monitoring by TSOs and RCCs

Legend

 Risks do not change significantly

 Risks decrease



EENS = Expected Energy Not Served, RSC = Regional Coordination Centres
 Relative EENS = EENS representation considering power system seasonal consumption (reliability metric designed to compare EENS on pan-European scale)

Adequacy overview – insights in areas showing risk



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Adequacy risks in Cyprus, Ireland, Northern Ireland and Malta in summer 2025.
Situation is continuously evolving and requires close monitoring.

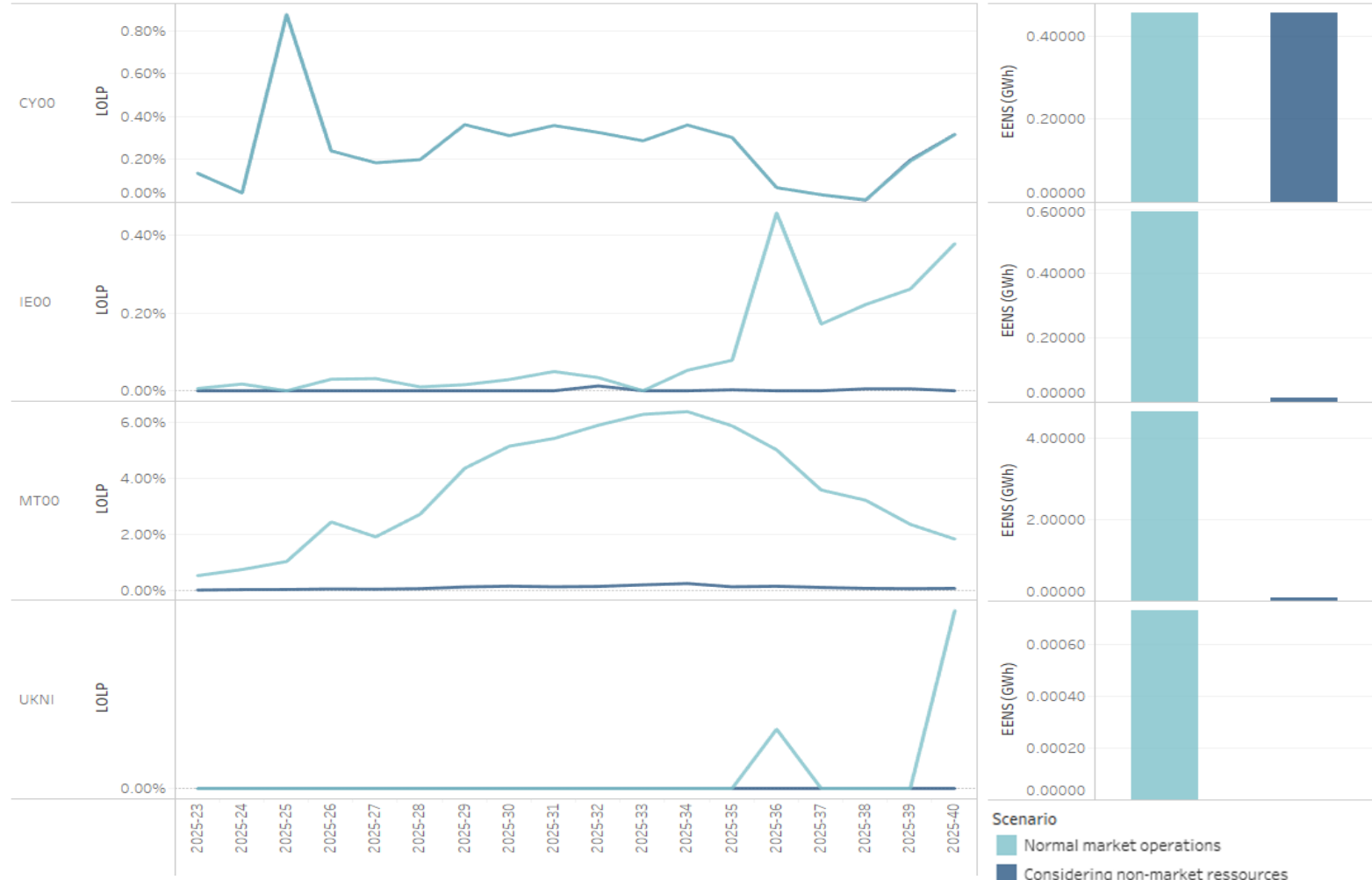
High unplanned outages

Unfavourable weather conditions:
High load and low RES

Reliance on non-market resources

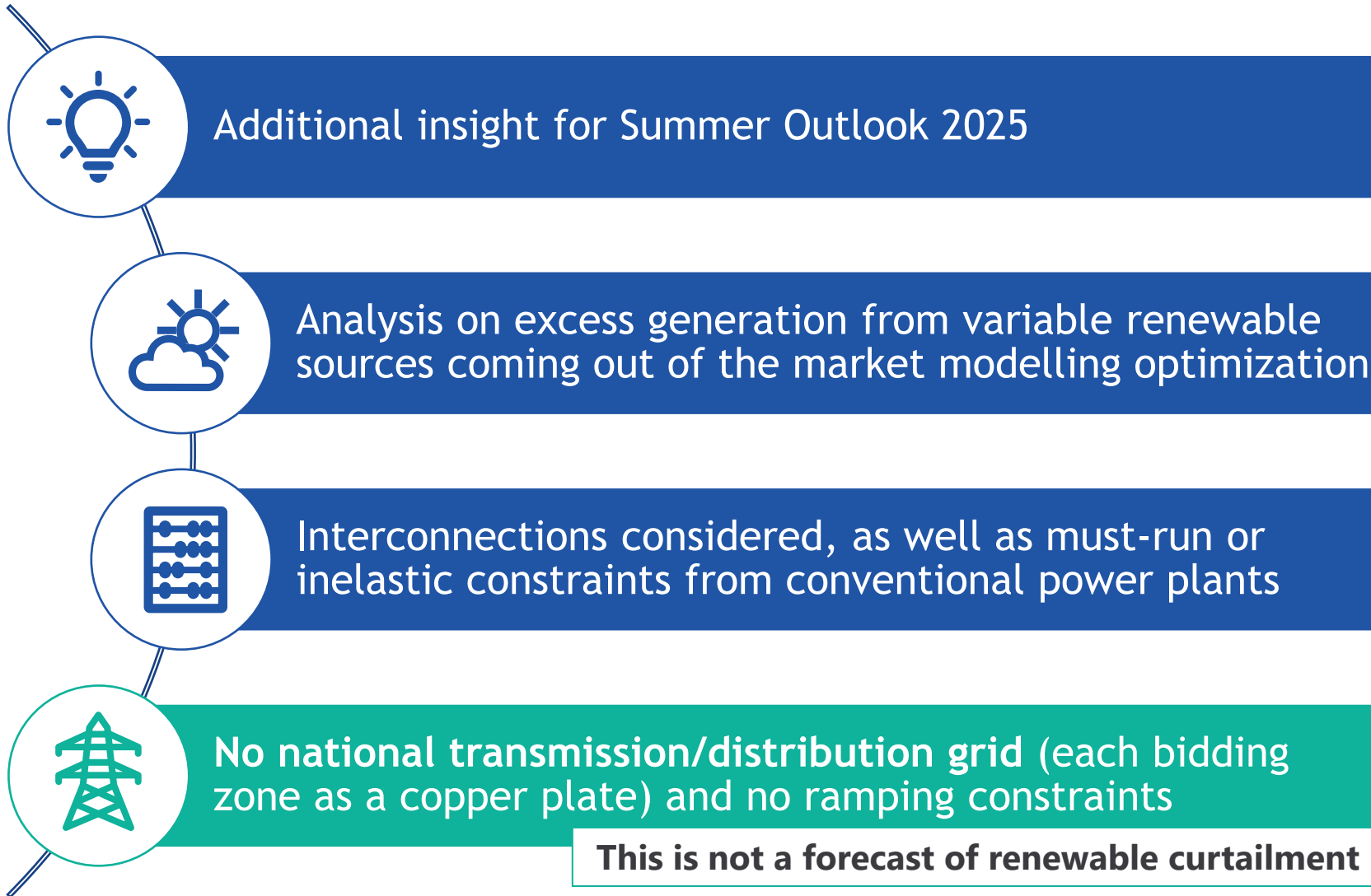
Aging thermal units and wind reliance

Detailed adequacy overview - weekly LOLP and seasonal EENS



LOLP = Loss of Load Probability (probability that at least 1 consumer could lose electricity supply)

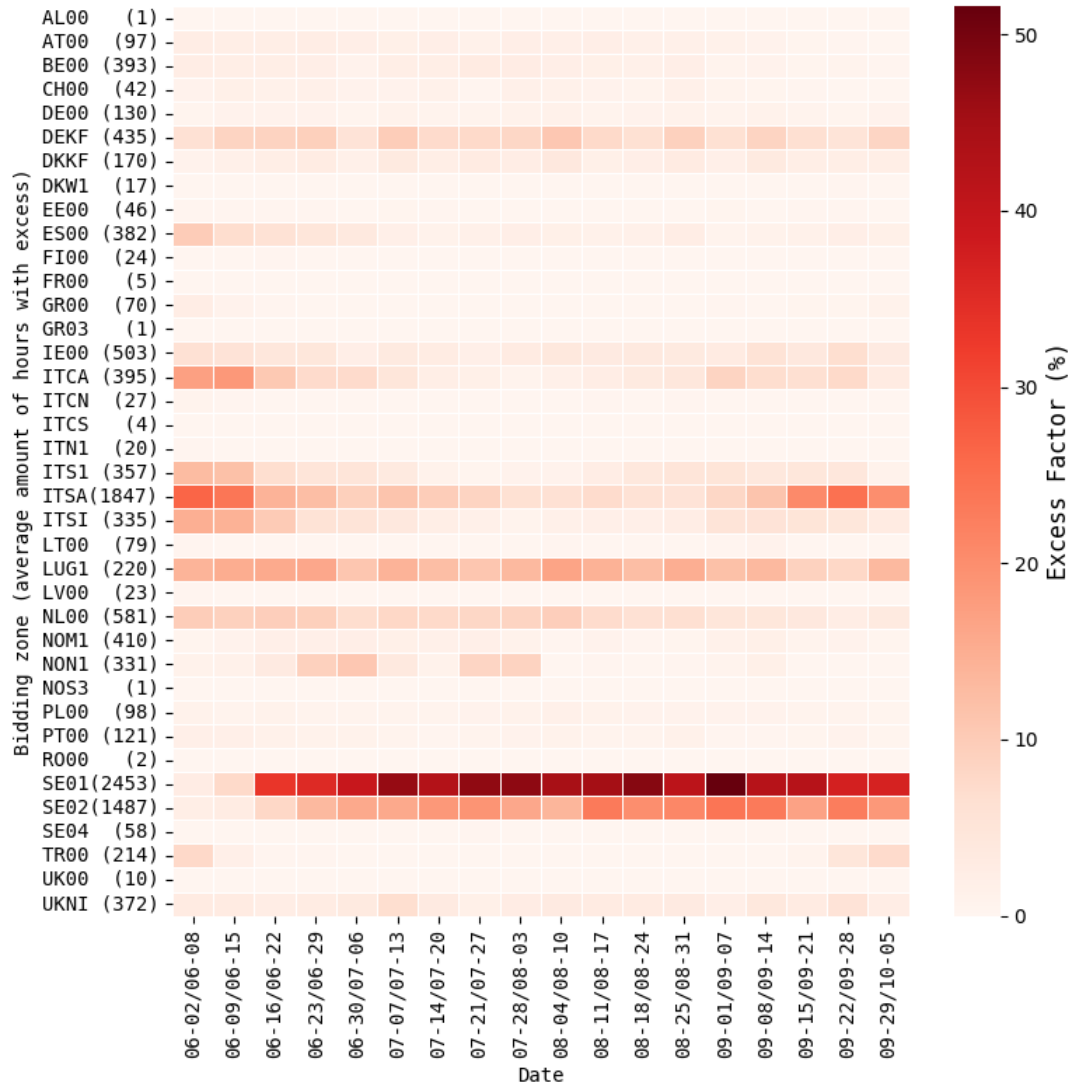
Analysis on excess generation of renewable in the market model (1)



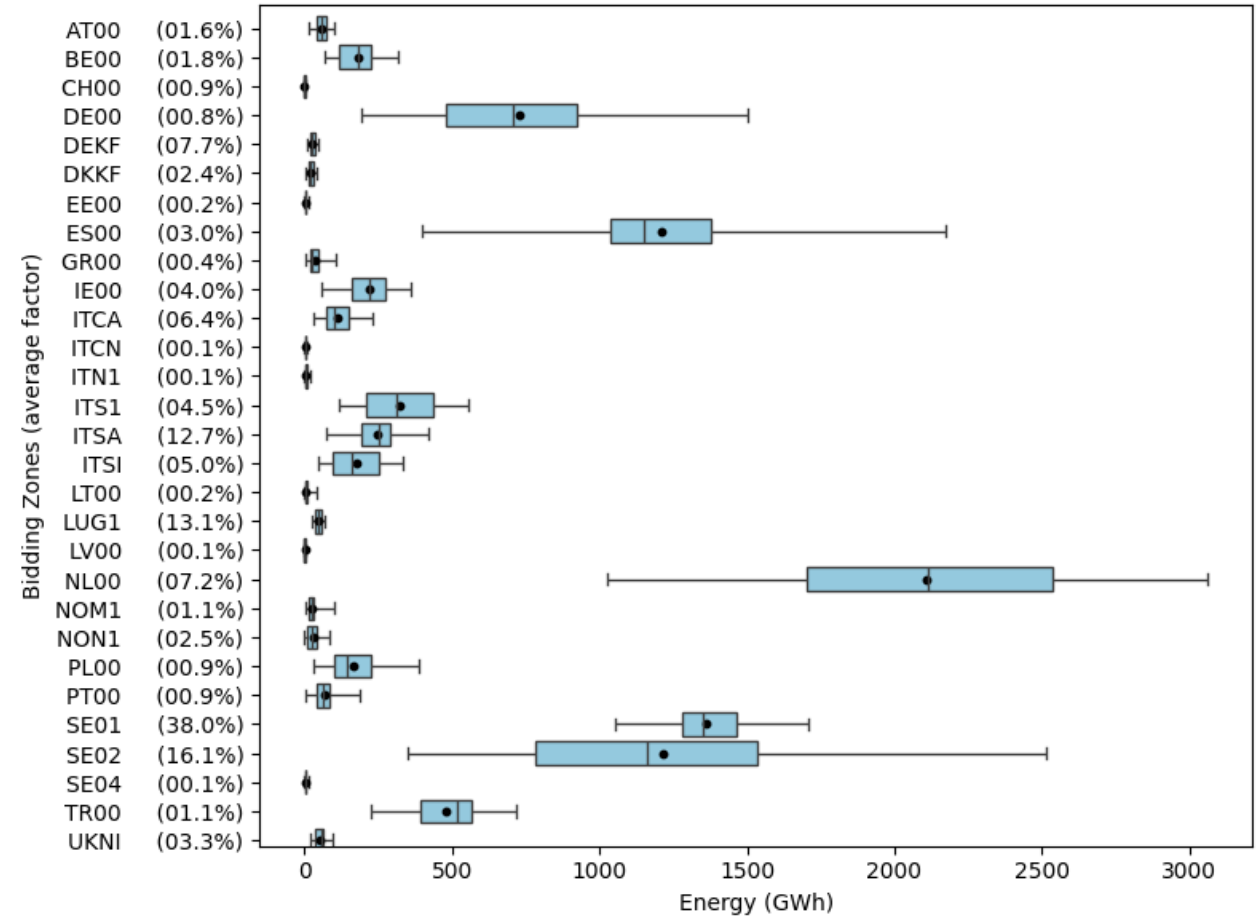
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Analysis on excess generation of renewable in the market model (2)

Average weekly excess factor and average total amount of hours with excess generation

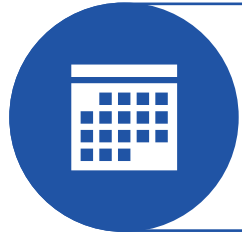


Average unused renewable energy and average excess factor

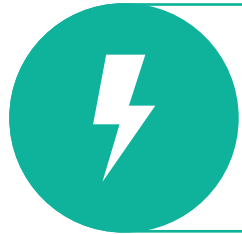


Note: results shown only for bidding zones where the excess factor is greater than 0.

Next steps



Report publication on 28 May 2025
Public webinar on the same day



Continuous week-ahead adequacy monitoring through the Regional
Coordination Centres

For any questions on inquiries, reach out to:
- Alexandru Stefan Stefanescu: alexandru.stefanstefanescu@entsoe.eu



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Our values define who we are, what we stand for and how we behave.
We all play a part in bringing them to life.



EXCELLENCE

We deliver to the highest standards. We provide an environment in which people can develop to their full potential.



TRUST

We trust each other, we are transparent and we empower people. We respect diversity.



INTEGRITY

We act in the interest of ENTSO-E



TEAM

We care about people. We work transversal and we support each other. We celebrate success.



FUTURE THINKING

We are a learning organisation. We explore new paths and solutions.

We are ENTSO-E