



# WG Energy Solutions of June 19<sup>th</sup> 2025

Hybrid meeting

19/06/2025

## For a smooth teleconference with 30+ people ... Some rules apply

- Please put yourself on mute at any time that you are not speaking to avoid background noise.
- If you receive a call, please ensure that you do not put this meeting **on hold**.
  - You can quit and reconnect later on.
  - You will be muted or kicked out of the session, if necessary.
- You will be requested to hold your questions for the end of each presentation.
  - Should you have a question, please notify via Teams or speak out if you are only via phone.
  - Share your question (with slide number) in advance so all participants may follow
  - Before you share your question, please announce yourself.
- If you have a poor internet connection, please dial-in.
- Finally, please be courteous and let people finish their sentences.
  - It is practically impossible to follow when 2 people are speaking at the same time in a teleconference.

# Agenda

- 09:30 – 09:35: Welcome and approval MoM
- 09:35 – 10:00: Update on the decision of CREG on LFCBOA and T&C BRP
- 10:00 – 10:15: Planning of the T&C BRP – next revisions
- 10:15 – 10:30: Public consultation on the ToE rules
- 10:30 – 10:50: Feedback on the public consultation on the “Real-Time” Price design note II
- 10:50 – 11:30: Home charging for company EV simplified: EV.fleet at scale
- 11:30 – 11:50: Incentive on data provision - status and deep dive on EPIC portfolio overview
- 11:50 – 12:05: Watts.Happening new feature: Partners list
  - 12:05 – 13:00: *Lunch*
- 13:00 – 13:30: Roadmap 2025-2028
- 13:30 – 14:15: EU & BE Balancing Program Update
- 14:15 – 14:25: BSP Faster Settlement incentive – status update
- 14:25 – 14:35: CREG decision on the T&C BSP FCR & FCR Evolutions implementation plan
- 14:35 – 14:50: Evolution of the Working Group
- 14:50 – 15:00: AOB





# Minutes of Meeting for approval

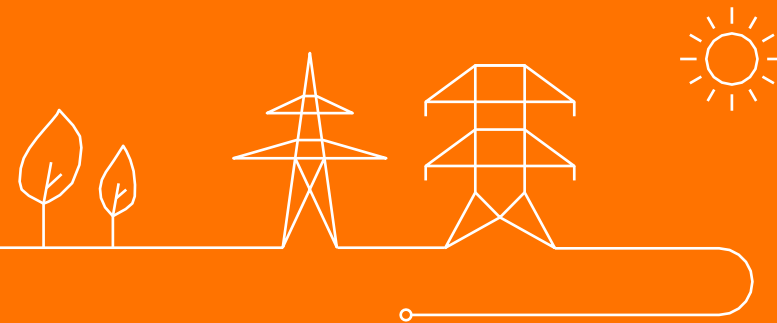
Minutes of Meeting of WG Energy Solutions of 04/04/2024

- No comments received.
- Suggestion to approve.



# Update on the decision of CREG on LFCBOA and T&C BRP

Arnaud Debray & Simon Serrarens



# Context on the latest revision of the T&C BRP



## Scope revision T&C BRP

Presented 04/02

The public consultation on the T&C BRP (11/12/2024 – 24/01/2025) consists of the following amendments:

- **Elements previously consulted:** SDAC & SIDC, service multiple BRPs and some other small changes, with market feedback incorporated
- Additional amendments:
  - **Self-billing:** as decided by the tax authorities, the system of credit notes needs to be adapted to a system of self-billing. The deadline imposed for this is 01/07/2025. However, Elia aims to transition on 01/05/2025.
  - **External inconsistencies:** Elia has noticed an increase in external inconsistencies and receives questions on the penalties applied. Elia aims to put measures in place to help avoid external inconsistencies (outside of the T&C BRP), and to revise and update the penalty scheme (described within the T&C BRP), as discussed with CREG.
  - **BRP perimeter correction:** as requested by CREG and formalized in the RfA received 14/11, Elia will introduce a BRP perimeter correction in case of activation of technical measures for incompressibility.

- On 10/04, **CREG modified and then approved the revision of the T&C BRP submitted by Elia on 28/02**, in their Decision (B)2991, published on 09/05.
- The revised T&C BRP entered into force on 01/06.



## Entry into force of the different topics within the T&C BRP

- A number of aspects went live as of entry into force on 01/06. These include changes to:
  - SDAC and SIDC
  - Self-Billing (first self-bill 2<sup>nd</sup> half of June, applicable to April)
  - BRP perimeter correction related to incompressibility; changed by CREG to extend perimeter correction to all activations of Technical Measures.
- Other changes enter into force later:
  - Redesign of External Inconsistencies, live as of 23/06. Detailed information was given during webinar 27/04.
  - Multiple BRP, as of the moment that the related changes are approved in an update of the Access Contract.



# (Main) changes made by CREG before validation



## Scope revision T&C BRP

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  - **BRP perimeter correction:** as requested by CREG and formalized in the RfA received 14/11, Elia will introduce a BRP perimeter correction in case of activation of technical measures for incompressibility.



CREG made changes to the phrasing of art. 5 on Self-Billing, as well as related definitions, without changes the process.



CREG extended BRP perimeter correction beyond incompressibility and renewable generation, to all activations of Technical Measures.

| 3





# LFCBOA

## Reminder – Changes proposed in the consultation (WGES dec2024)

### Modifications in the LFC BOA

- **Formalize the technical measure**
  - Clarified in article 7.3 that Elia can request setpoints changes including to units connected to a public distribution grid (through the DSOs) to regulate an enduring high FRCE
  - Clarified that this measure will be used after depletion of other means
- **Detail the activation criteria**
  - Clarification of the triggers
    - Based on the FRCE (ACE), conform to the SOGL
    - Frequency trigger is not needed in the LFC BOA
- **Describe the reporting requirements**
  - Paragraph added in existing section 8 stating that Elia will include the volumes activated per DSO in the reporting
- **Describe a temporary cost-based compensation from Elia to the DSOs to cover associated costs**

**The consultation will be launched on Wednesday 18/12**



Presentation title | 128



# LFCBOA

## Clarification brought by Elia before submission

### Modifications in the LFC BOA

- **Formalize the technical measure**
  - Clarified in article 7.3 that Elia can request setpoints changes including to units connected to a public distribution grid (through the DSOs) to regulate an enduring high FRCE
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Clarification that we can only curtail the **production** of **power generating and storage** modules

The consultation will be launched on Wednesday 18/12



Presentation title | 128



# LFCBOA

## (Main) Changes made by the CREG before validation

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CREG added a clause defining the allocation keys between regions and stating that the allocation key must be respected in the curtailment

The consultation will be launched on Wednesday 18/12



This has been removed by the CREG who clarified that:

- Exceptional balancing measures are **remunerated cost-based** according to T&C SA contract
- Technical measures **are not reimbursed**

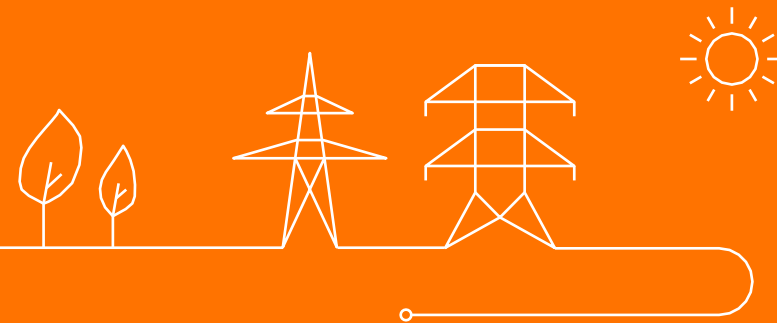
## Entry into force of the amended version of the LFC BOA

- The new version entered into force directly after the decision of the CREG and is available on Elia's website

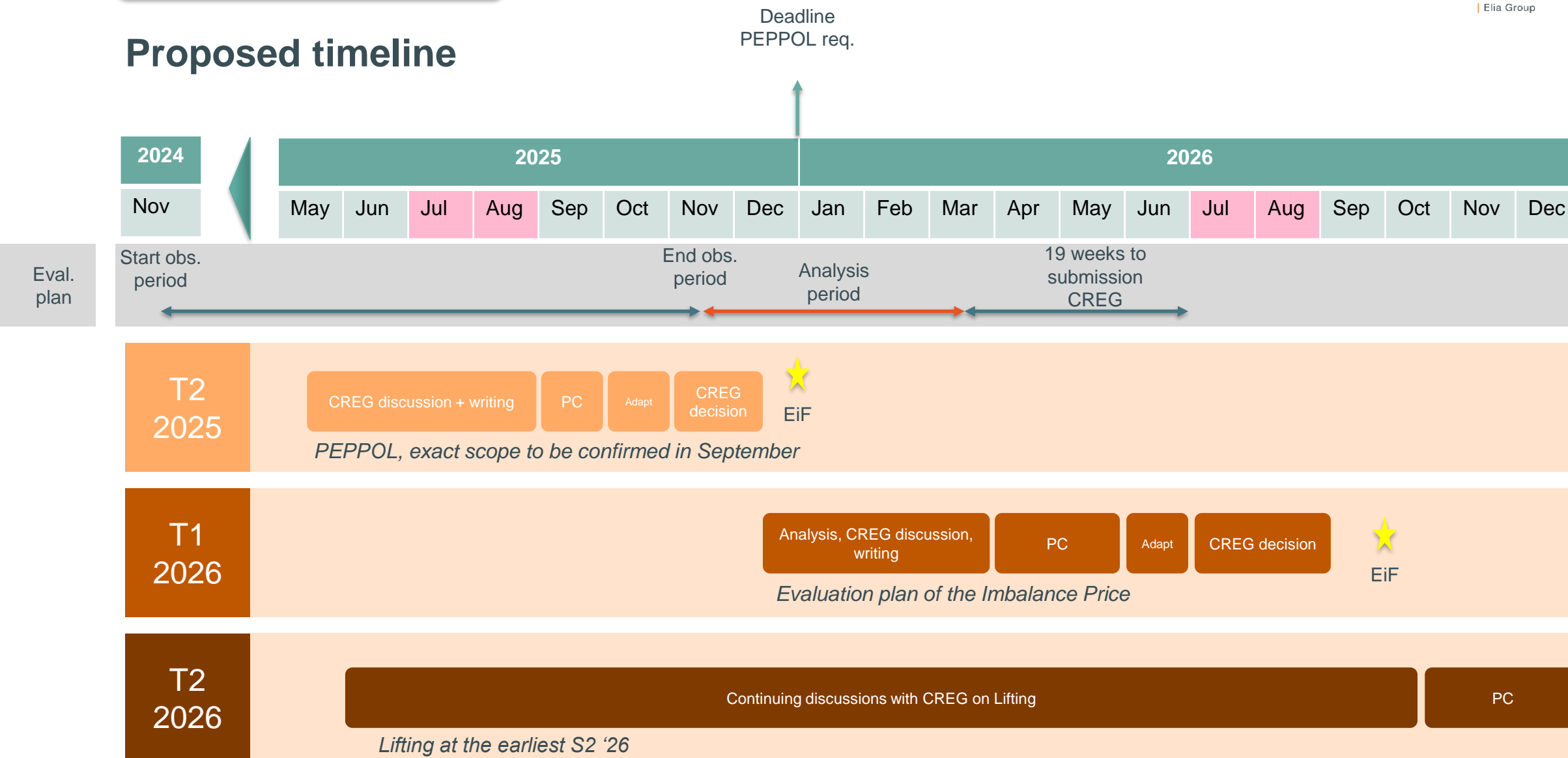


# Planning of the T&C BRP – next revisions

Simon Serrarens



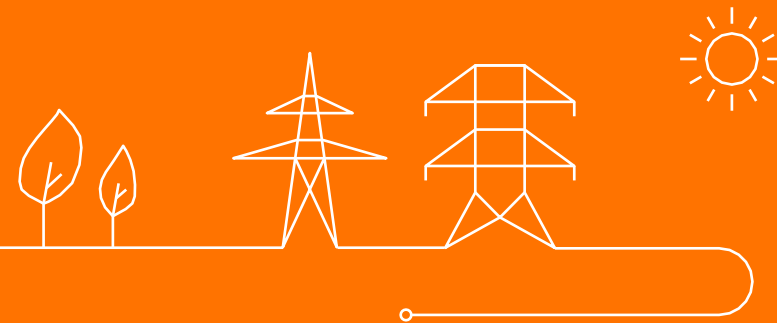
## Proposed timeline





# Public consultation on the ToE rules

Simon Serrarens



## Context: Synergrid consultation on the ToE design note

- Synergrid organized a public consultation on the ToE design note from 20/01/'25 until 28/02/'25 included.
- The ToE design note addressed the following topics:
  - Explanation of the 'what' and the 'why' of ToE and alternative regimes
  - Introducing an alternative ToE model, the Corrected Model
  - Extending ToE to aFRR
  - Extending ToE to the public distribution grid.

Balancing product	Grid and Voltage Level	Market Situation			
		ToE - CSM	ToE - CM	Opt-out	Pass- through
<del>mFRR</del>	Transmission and local transport Grid	Since 2018	Estimated end 2025*	Since 2018	Since 2020
	Distribution Grid – Points > 1kV	Since 2018	TBD	Since 2018	Since 2020
	Distribution Grid – Points <= 1kV	Estimated end Q1-2026**	TBD	TBD	TBD
aFRR	Transmission and local transport Grid	Estimated end 2025*	Estimated end 2025*	Since 2021	Since 2021
	Distribution Grid – Points > 1kV	Estimated end 2025*	TBD	Since 2021	Since 2021
	Distribution Grid – Points <= 1kV	PoC Q1-2026**** Q3-2026	TBD	Since 2024	Since 2024
DA and ID market	Transmission and local transport Grid	Since 2021	TBD	Since 2021	Since 2021
	Distribution Grid – Points > 1kV	Since 2021	TBD	Since 2021	Since 2021
	Distribution Grid – Points <= 1kV	TBD	TBD	TBD	TDB

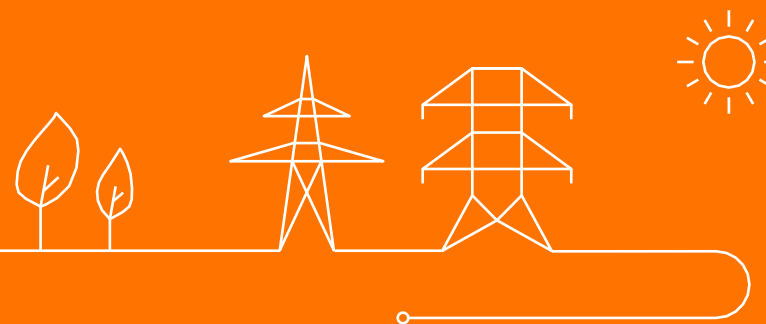
Table 1: Go-lives of ToE

## Elia launched a public consultation on the related changes to the ToE rules yesterday (18/06)

- The ToE rules have been updated to accommodate the changes as proposed in the design note, taking into account market party feedback. The changes included are the following:
  - Roll-out of CM on Elia Grid, extension of ToE to aFRR, roll-out of ToE on public distribution grid
  - Increased information sharing for market parties in Opt-Out, if all parties provide consent
  - Removal of obligation for annual net offtake on a Delivery Point
  - Minor updates to definitions, refined rules for case where 2 BRPs are active on a DP, inclusion of priority rules in case multiple FSPs/balancing services provided on a DP, removal of Strategic Reserves...
- Synergrid organizes a public consultation on Document Release 3 in parallel, including a.o. changes related to ToE on LV.
- The public consultation will be organized as of this week, until 01/08/'25 included

# Feedback on the public consultation on the “Real-Time” Price design note II

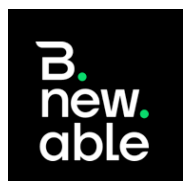
Elise Aulanier



- **5 reactions** received during the public consultation of the “Real-time price” design note II on Imbalance Price formula evolutions
- Main takeaways:
  - Respondents appreciate the design note for **its positive, co-construction approach with market participants, and for the quality of its reflection on current considerations**
  - **Diversity of reactions** on the different sections of the note, **notably on the key objectives and the components and formulas**
- **Consultation report** will be published end of this week
- The next steps involve:
  - Sharing an **"Assessment Plan for the next formula" document with stakeholders early September, to be discussed in WG ES 2/10**
  - **Discussions on the pre-results from the execution of this plan during the upcoming WG ES “exchange sessions”**

## 5 answers were received on the “Real-time price” design note II focused on Imbalance Price formula evolutions

- Public consultation period from April 4<sup>th</sup> to May 16<sup>th</sup> 2025
- 5 reactions received from:



1  
confidential

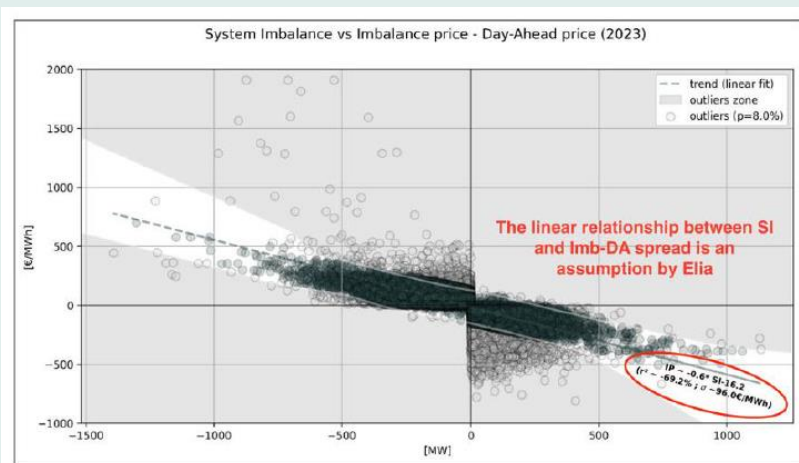
- **Positive feedback** from respondents indicates that the design note is perceived as Elia is moving “in the right direction”:
  - The **open, co-construction approach involving market participants** is highly appreciated
  - The document is praised for its **quality and clarity on the current state of considerations**
- Today’s presentation: **overview of some the comments, details in the consultation report**
  - Diversity of opinions, notably on the key objectives, and the components and formulas



# On I. The drivers of the Imbalance Price formula evolutions

## Imbalance Price outliers analysis




- Bnewable questions the **hypotheses taken by Elia for defining the “outliers”**



- The **definition, shared transparently within the note, aligns with Elia’s vision on Imbalance Price**, focusing on representativity of real-time energy value, **but Elia remains open to alternative suggestions**




## On II. The target of the Imbalance Price formula evolutions (1/2)

### “Be targeted for assets that cannot participate explicitly”

- 
- 
- 
- **Most of the respondents** expressed concerns regarding the **barriers for entry and participation in FRR products and call for concrete actions**

- Elia agrees that **lowering barriers should be a priority to make a participation to the explicit balancing market (even) more attractive**. Many ongoing initiatives in that direction



### “Discourage intra-ISP oscillations created by real-time implicit reactions”

- 
- 
- 
- **Mostly support** that mitigating oscillations should be a goal pursued by the TSO **but also a divergent opinion from Bnewable**, considering oscillations are inherent to the operation real-time system

- Elia reaffirms that **mitigating oscillations generated by real-time implicit reactions is a matter of security** as they jeopardize the grid stability – hence **a nonnegotiable objective of the imbalance price**



## On II. The target of the Imbalance Price formula evolutions (2/2)

### “Be publishable close to real-time”

- 
- 
- Most market parties welcome the transparency; FEBEG asks for **continuing to publish more data with more granularity** as close to real-time as possible

- Elia is committed to delivering **as much relevant information as possible, provided that it brings value and that it is aligned with other objectives** e.g. discourage oscillations, be targeted for assets not capable of explicit




### Priorization of the key objectives

- 
- 
- Market parties highlight the importance of **combining of the different objectives**

- We believe prioritizing the objectives will be key. This is an **essential aspect of the ongoing refinement process within the overarching System Balance Philosophy**



# On III. Concepts of Imbalance Price formulas

## Spot component

- 
- 
- 
- The inclusion of **market reference to stabilize the price** is supported by most of the respondents – with the **major concerns on finding the accurate component**. Bnewable disagrees since it **does not reflect system balancing needs**

- Elia remains **convinced of the potential value** to include a spot reference
- Yet, Elia **recognizes the challenge in finding the right spot component** and will continue to monitor possible indexes in order to feed this reflection


## (Cross-border) marginal pricing

- 
- 
- Bnewable expresses clearly their **preference for the proven marginal pricing**, while Febeliec asks **whether CBMPs carry the best incentives for Belgian BRPs**

- Elia approaches the topic of marginal pricing with an **open perspective, acknowledging its complexity rather than being strictly for or against it**. For instance, if CBMPs are the fundamental ingredients, they can be made less extreme depending on the design; using a marginal price formula may be possible by mitigating its drawbacks, such as using a deadband or avoiding the use of max components

## On IV. Assessment (“tasting”)

### Assessment plan of next formula

- 
- FEBEG proposes to **apply the approach from the Evaluation Plan post PICASSO/MARI to evaluate candidates of formulas**. Both qualitative and quantitative assessment required

- Elia welcomes the proposal
- The “**Assessment Plan of next formula**” will include **both the evaluation of current formula components and candidate formulas, to facilitate comparison :**

#### Assessment Plan of next formula

**Eval Plan post-PICASSO/MARI**  
(i.e. statistical and scenario analyses)

On current  
cap/floor/ $\alpha$ /aFRR  
component

**Tests akin to  
Eval Plan post-  
PICASSO/MARI**

On candidates of  
formulas

**Additional  
tests**  
(Imb. Price outliers  
analysis,  
qualitative “quality  
controls”, etc.)

On candidates of  
formulas

- Elia proposes to **submit a written proposal for the “Assessment plan of next formula” to stakeholders**, similar to the approach used for the Evaluation Plan post PICASSO/MARI

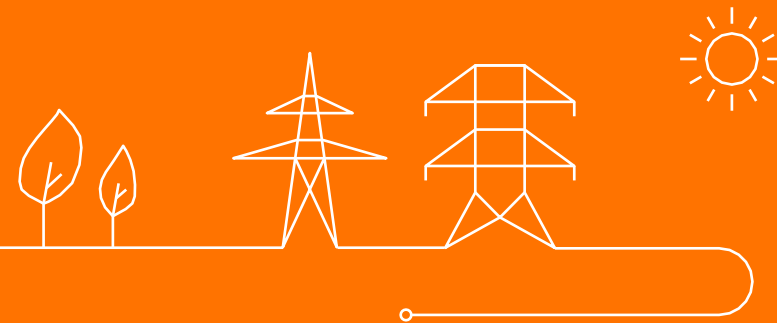
# Next steps

- **Consultation report will be published end of this week** on the public consultation page:  
[Public consultation on the "Real-time price" design note II](#)
- Elia **still welcomes feedback** from market parties on the imbalance price formula evolutions (objectives, components, formulas, assessment, etc.) if not shared already.
  - Parties who indicated their interest in bilateral meetings will be contacted ; others can reach out to their KAM if interested in scheduling a dedicated meeting
- Elia will **submit a written proposal for the “Assessment plan of next formula”** to the market **early September**. This document will then be **discussed in the next WG ES (2/10)**
- Elia will use **“exchange sessions” in the upcoming WGs ES to share preliminary results of the execution of the “Assessment plan of next formula”**. These sessions will be dedicated to open discussions with market parties, before committing to the final design (cf. timing from the "Evaluation Plan post PICASSO/MARI")



# Home charging for company EV simplified: EV.fleet at scale

Michaël Piron





# EV.fleet at scale - Summary

**Context** - The bigger picture of flex unlocking, and scaling ambitions (EVLIA → “EV.fleet at scale”)

**Solving a relevant problem** - The EV fleet ecosystem has little attention for smart charging benefits, priority towards operational issues, like reimbursement of home charging.

**Home charging reimbursements in 2025** – Employee gets a monthly reimbursement: the exact energy (kWh) at a flat market-average price (“the CREG price”). Fiscally approved, by lack of a better mechanism.

**Volume split unlocks new solutions** – Splitting the energy flows behind the meter, allows the energy supplier to split the bill. This unlocks 3<sup>rd</sup> party payment of the energy bill + easy, low-risk entry into smart charging.

**So what?** – What does this mean for the end-consumer?

**Many-to-many challenge** – Connecting multiple fleets to multiple energy suppliers.

**What’s happening now?** – Coalition-building to formalize the scale of the demand and willingness to provide solutions. Pilots to demonstrate feasibility & viability of the end-to-end solution.

**Join the coalition!**

# Context

Elia launched the initiative “EVLIA” (Nov 2024), as a strategic initiative to showcase the **unlocking of flexibility from EV’s in Belgium at scale**.

This also supports the joint Synergrid action plan, with a focus in 2025 on creating awareness for implicit flexibility on LV.

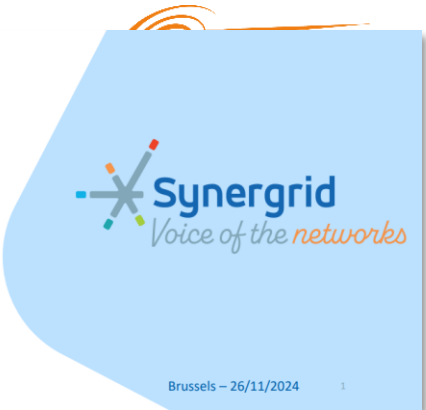
Focus is on **implicit flexibility**, and the largest segment of EV’s in Belgium: **company cars**.

To kickstart the initiative, Elia opened their EV fleet, but the aim has always been to **extend to other company fleets, to demonstrate the scalability throughout Belgian fleets**.

Along the route, we changed the initiative’s name to better reflect the scaling ambition to not stop at Elia’s fleet:

EV.fleet at scale

## Market initiatives Synergrid Global picture



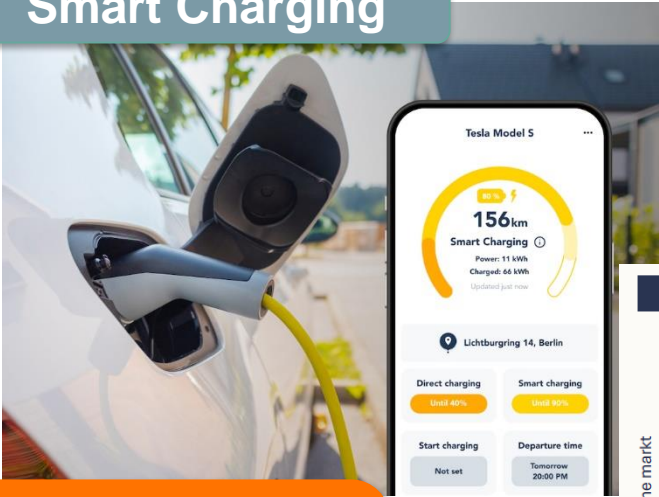
Working towards **supply split** on the longer term

# Company fleets are driving the electrification of mobility

... bringing a lot of *potential* value from smart charging/flexibility

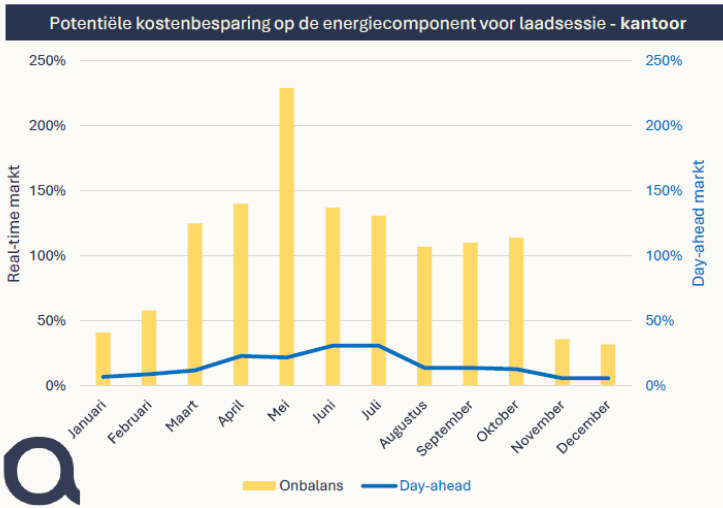


## Smart Charging



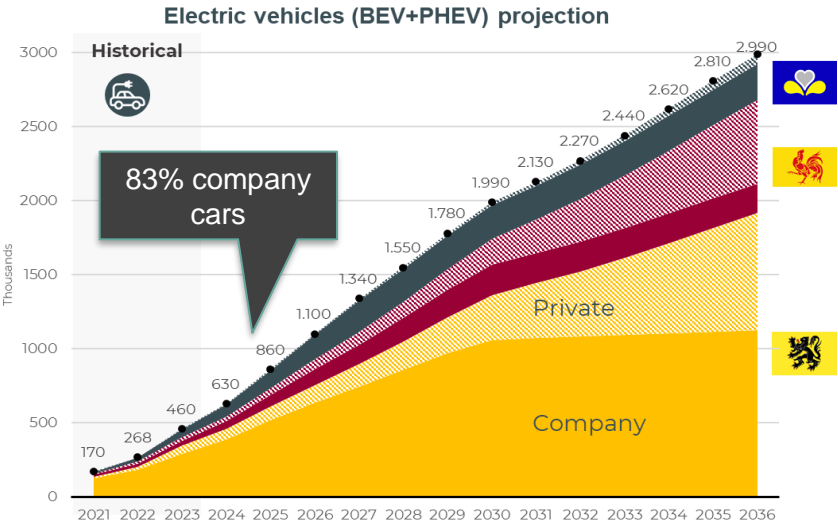
Average savings on energy cost of charging session:

- Day-ahead market optimization: 6-31%
- Real-time market: 32-230%

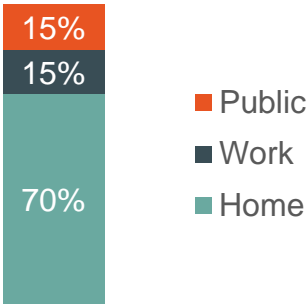


Value remains largely untapped in 2025

... charging happens behind the meter



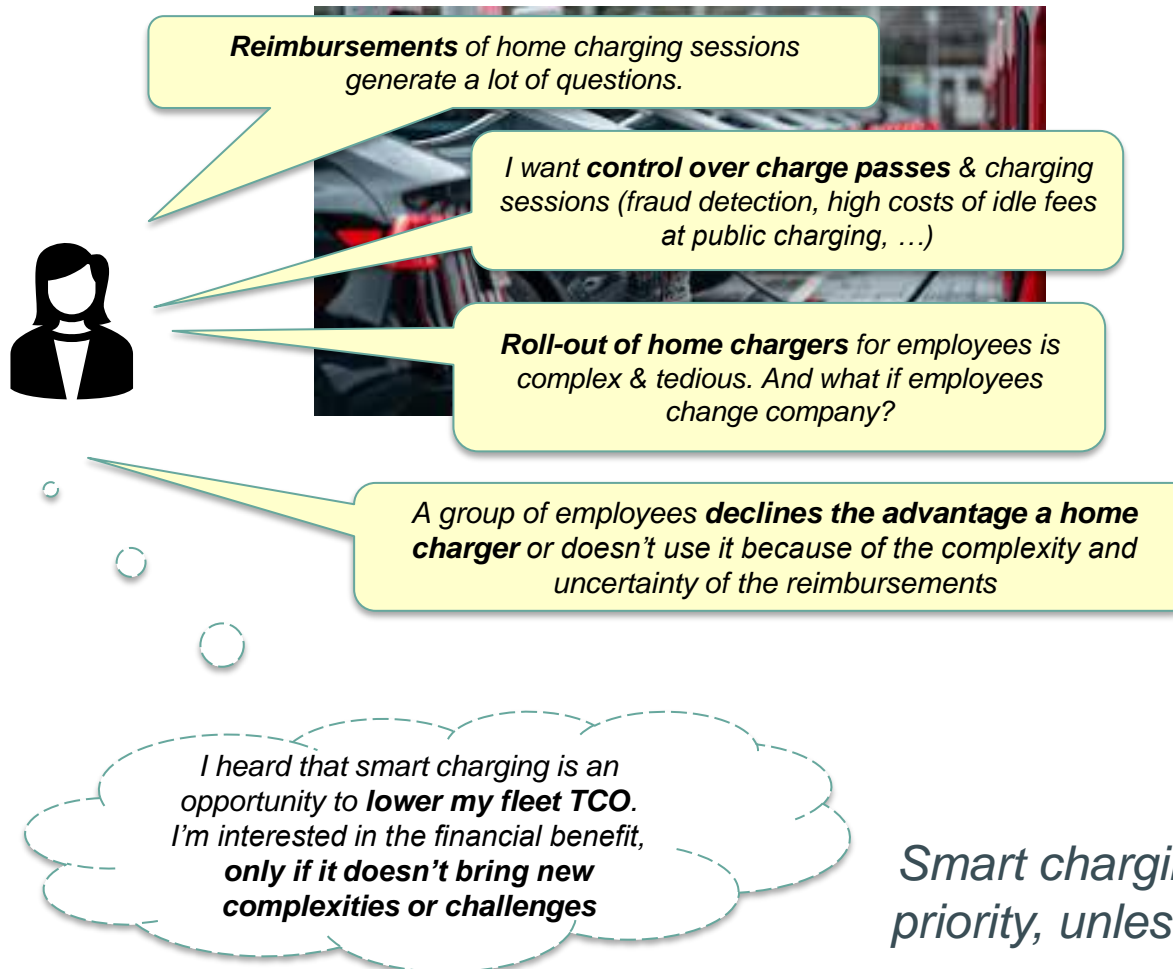
Mainly charging at home or at work



# Why is this huge flexibility potential largely untapped in 2025?

## Low awareness & demand

Other problems are keeping corporate HR fleet managers awake...



*Smart charging is not a priority, unless it is easy*



# Unlocking flex behind the meter is not easy

## *Change home supply contract*



Low adoption of dynamic tariffs (0,2%). New innovative products entering the market: effect?

## *Dedicated front meter*



Few houses eligible, no self-consumption incentive, costly, physical interventions

**Other scalable solutions in 2025?**



## *Supply split*



Not available yet (MVP not before 2027, when industrialized?), requires regulatory changes. Imposed by EU.



# Home charging cost reimbursements



"I'm not reimbursed correctly"

Employees pay their home energy bill, which includes the energy of EV home charging...

To:  
home owner  
Lindestraat 2,  
Mechelen

Energy  
Supplier

## HOME ENERGY BILL

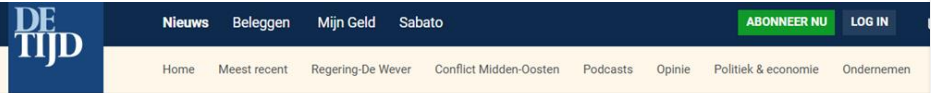
Fixed or Variable price contract

 **ELECTRICITY – EAN 541448820012345678**

Energy offtake (529 kWh)	€ xxx
Energy injection (63 kWh)	- € xxx
Grid costs (Capacity tariff)	€ xxx
Taxes & levies	€ xxx
<b>SUBTOTAL</b>	<b>€ xxx</b>

**TOTAL TO BE PAID (incl VAT) € xxx**

Hard/impossible to match, leading to questions, distrust or even refusal.



25% of employees with company cars hardly ever charge at home



Trend confirmed in fleet manager interviews

... and get a monthly reimbursement from employer for the charged energy, **valued at a flat-rate tariff** (set by employer).

FOD Finance has defined a ceiling for the flat-rate tariff, based on average historical market prices.

From:  
Employer fleet manager

To:  
home owner  
Lindestraat 2,  
Mechelen

## REIMBURSEMENT NOTE EV home charging

Reimbursement of home charging (200kWh) at flat-rate tariff	€ xxx
<b>SUBTOTAL</b>	<b>€ xxx</b>

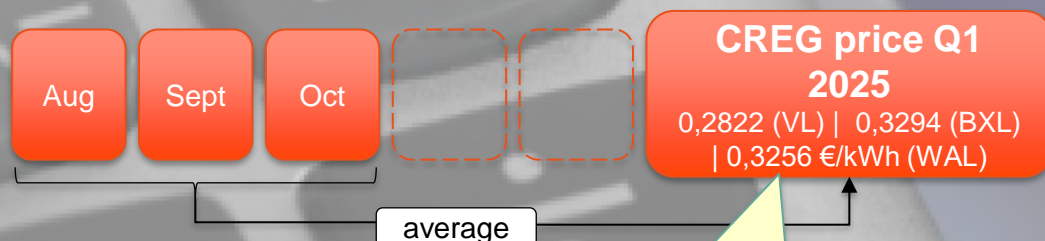
# The story of home charging reimbursements

Background

With its circulaire 2024/C/77, the Federal financial administration brought **clarification and certainty about the reimbursements** of home charging sessions by employer, **until end of 2025**.

The Administration recognizes that an **exact calculation of the real electricity costs related to home charging is not obvious**, due to the many parameters to be considered: type of home supply contract, location-based grid fees, capacity tariff, self-consumption of solar energy, supplier switches throughout the year, ...

Employer is allowed to apply a fixed tariff for the reimbursements. This fixed tariff shall not exceed the quarterly CREG price, that is a 3-month average of the published monthly CREG prices:



Fleet manager: "What after 2025?"

Employee: "This amount doesn't match my home energy bill. I'm not reimbursed correctly"

Employee: "Even though I have a home charger, I'd rather charge at work or publicly, because of uncertainty of reimbursed amount"

FISCALITEIT / Inkomstenbelastingen / Administratieve richtlijnen en commentaren / Circulaires / Circulaires - Personenbelasting

[Circulaire 2024/C/77 over de terugbetaling van elektriciteitskosten door de werkgever voor het thuis opladen van een bedrijfswagen](#)

voor het thuis opladen van een bedrijfswagen.  
; oplaadstation voor elektrische voertuigen; kosteloze verstrekking van elektriciteit

[A. Principe](#)

[B. Toelichting](#)

[IV. Eigen wagen](#)

[V. Inwerkingtreding - buitenwerkingtreding](#)

[VI. Terugbetalingen vóór 01.01.2025](#)



**We could address both challenges:**

**No more inaccurate reimbursements**

*and*

**Access to the benefits from smart charging**

## Bringing the ease of home Internet employer payments...

To:  
home owner  
Lindestraat 2,  
Mechelen

**Telecom  
Provider**


### HOME INTERNET BILL

**INTERNET – TELEVISION - TELEPHONE**

Internet package	€ xxx
Subscriptions	€ xxx
Television & telephone	€ xxx
<b>SUBTOTAL</b>	<b>€ xxx</b>

**3<sup>rd</sup> party payment**

Employer 3<sup>rd</sup> party payment of  
home internet (forfait) - € xxx



**TOTAL (incl VAT) € xxx**

## ... to EV charging and the home energy bill

To:  
home owner  
Lindestraat 2,  
Mechelen

**Energy  
Supplier**


### HOME ENERGY BILL

**ELECTRICITY – EAN 541448820012345678**

Energy offtake (529 kWh)	€ xxx
Energy injection (63 kWh)	- € xxx
Grid costs	€ xxx
Taxes & levies	€ xxx
<b>SUBTOTAL</b>	<b>€ xxx</b>

**HOME CHARGING SESSIONS**

Employer payment of  
home charging sessions (350 kWh) - € xxx



**TOTAL (incl VAT) € xxx**

By applying the same “3<sup>rd</sup> party payment” logic of home internet to the home energy bill, EV charging sessions at home can be **invoiced directly from energy supplier to employer**. No more reimbursements.

How can energy supplier know which **exact amount** to invoice to the employer? ➔

# Home EV charging

## 3<sup>rd</sup> party payment by employer

## “Volume split” as technical enabler

To:  
home owner  
Lindestraat 2,  
Mechelen

**Energy  
Supplier**

### HOME ENERGY BILL

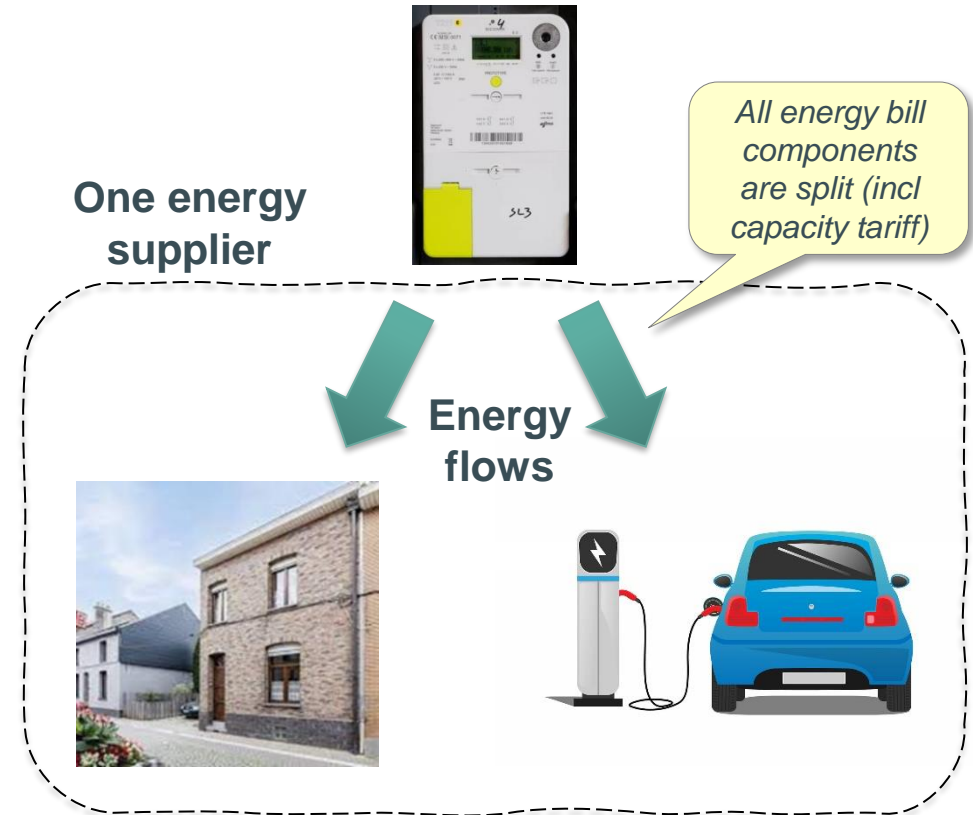
**ELECTRICITY – EAN 541448820012345678**

Energy offtake (529 kWh)	€ xxx
Energy injection (63 kWh)	- € xxx
Grid costs	€ xxx
Taxes & levies	€ xxx
<b>SUBTOTAL</b>	<b>€ xxx</b>

**HOME CHARGING SESSIONS**

Employer payment of  
home charging sessions (350 kWh) - € xxx

**TOTAL TO BE PAID (incl VAT) € xxx**



“Volume split” technically enables the energy supplier to split energy flows behind the meter. Supplier can then calculate the exact cost of EV home charging.

Volume split also unlocks a second advantage for company fleets and EV drivers →



## “Volume split” enables hybrid supply contracts...



... which creates value from smart charging without impacting the home

**To:**  
home owner  
Lindestraat 2,  
Mechelen

**Energy Supplier**

### HOME ENERGY BILL

*Fixed or Variable price contract*

**⚡ ELECTRICITY – EAN 541448820012345678**

Energy offtake (529 kWh)	€ xxx
Energy injection (63 kWh)	- € xxx
Grid costs	€ xxx
Taxes & levies	€ xxx
<b>SUBTOTAL</b>	<b>€ xxx</b>

**🚗 HOME CHARGING SESSIONS**

Employer payment of home charging sessions (350 kWh)	- € xxx
Smart charging incentive	- € xxx

**TOTAL TO BE PAID (incl VAT) € xxx**



Participates in smart charging, by using a mobile application, and gets a **smart charging discount**

# Perspective of the employee EV driver, the B2C customer

- No more reimbursements for home charging, meaning: **no more worries** about not being reimbursed correctly.
- **No risk:** No change of supply contract needed.
- **Reduced home energy bill:**
  - **Lower capacity tariff** for the home (Flanders) as the connection is shared with employer chargepoint.
  - Receiving a part of the **generated value from smart charging**.
- **Self-consumption still rewarded:**  
Own solar PV production that went into the car can still be reimbursed at interesting price (offtake price?).
- **Easy entry:**
  - Everything is handled through the known supplier energy invoice.
  - No extra hardware/installations required. Smart charging is unlocked by means of a mobile companion app, provided by energy supplier.

EV driver keeps existing home supply contract

No more (uncertainty about) reimbursements

To:  
home owner  
Lindestraat 2,  
Mechelen

**Energy Supplier**

## HOME ENERGY BILL

*Fixed or Variable price contract*

**⚡ ELECTRICITY – EAN 541448820012345678**

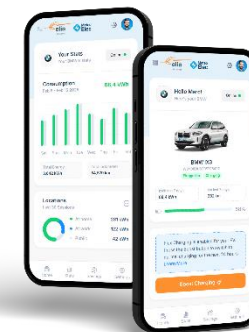
Energy offtake (529 kWh)	€ xxx
Energy injection (63 kWh)	- € xxx
Grid costs	€ xxx
Taxes & levies	€ xxx
<b>SUBTOTAL</b>	<b>€ xxx</b>

**🚗 HOME CHARGING SESSIONS**

Employer payment of home charging sessions (350 kWh)	- € xxx
Smart charging incentive	- € xxx

**TOTAL TO BE PAID (incl VAT)**

**€ xxx**



Participates in smart charging, by using a mobile application, and gets a **smart charging discount**

# What's in it for the employer / fleet manager?

**Happy employees:**  
Less doubts or questions around home EV charging, making it more convenient.

To:  
home owner  
Lindestraat 2,  
Mechelen

**Energy Supplier**

**HOME ENERGY BILL**  
*Variable price contract*

**ELECTRICITY – EAN 541448820012345678**

Energy offtake (529 kWh)	€ xxx
Energy injection (63 kWh)	- € xxx
Grid costs	€ xxx
Taxes & levies	€ xxx
<b>SUBTOTAL</b>	<b>€ xxx</b>

**HOME CHARGING SESSIONS**

Employer payment of home charging sessions (350 kWh)	- € xxx
Smart charging incentive	- € xxx

**TOTAL TO BE PAID (incl VAT) € xxx**

To:  
**Employer  
company fleet  
manager**

**FLEET EXPENSE NOTE**

Home charging Lindestraat 2, Mechelen (350 kWh) incl VAT	€ xxx
Home charging home 2	€ xxx
Home charging home x	€ xxx
<b>SUBTOTAL</b>	<b>€ xxx</b>
Split-bill service subscription	€ xxx

**Smart charging incentive - € xxx**

**TOTAL TO BE PAID (incl VAT) € xxx**

**sharing**

Fleet manager pays the **exact price** & no more questions about reimbursements.

**Reduced TCO** thanks to smart charging

**Employer advantages**

*Happy employees: less questions/doubt around home EV charging*

*Easy, exact & compliant payment of home charging sessions (no more reimbursements).*

*Capture value from smart charging*

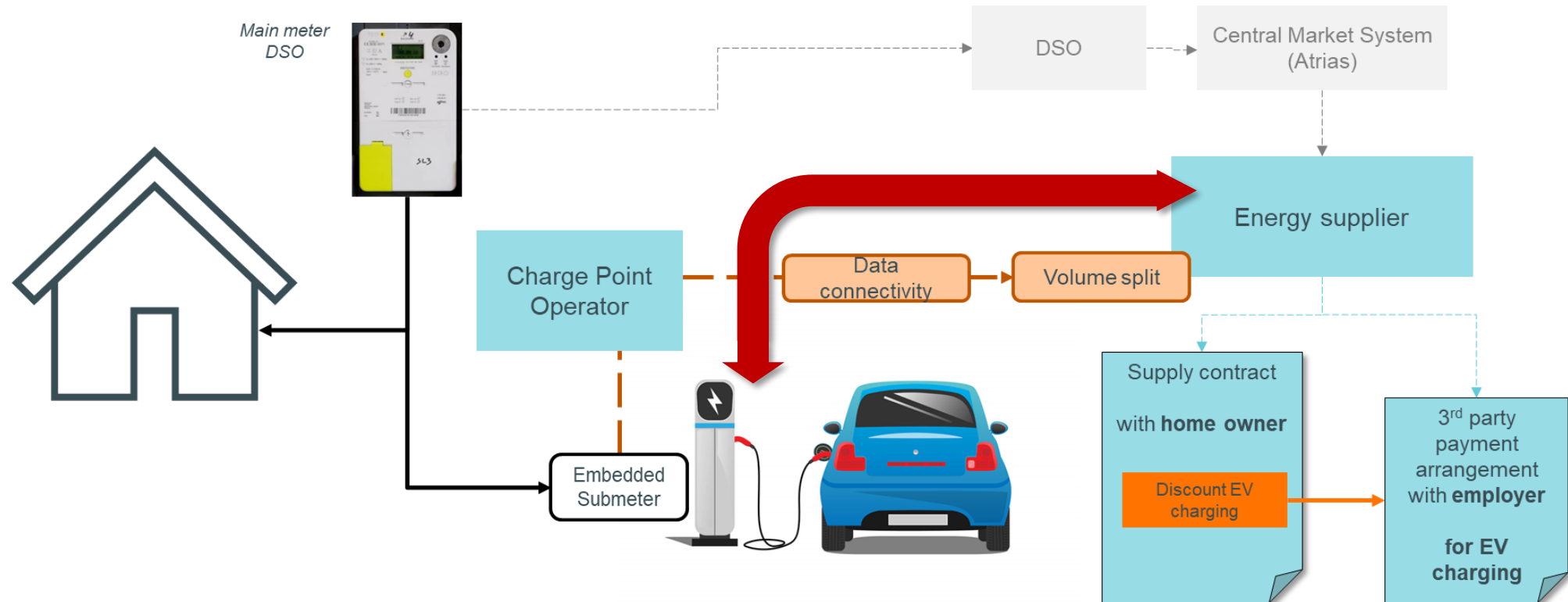
*Home charging sessions could be **supplied with 100% renewable energy** (to be confirmed)*



# Technical enablers: data connectivity & volume split calculations

Enabling behind-the-meter view for energy suppliers by setting up connectivity towards EV and/or charger.

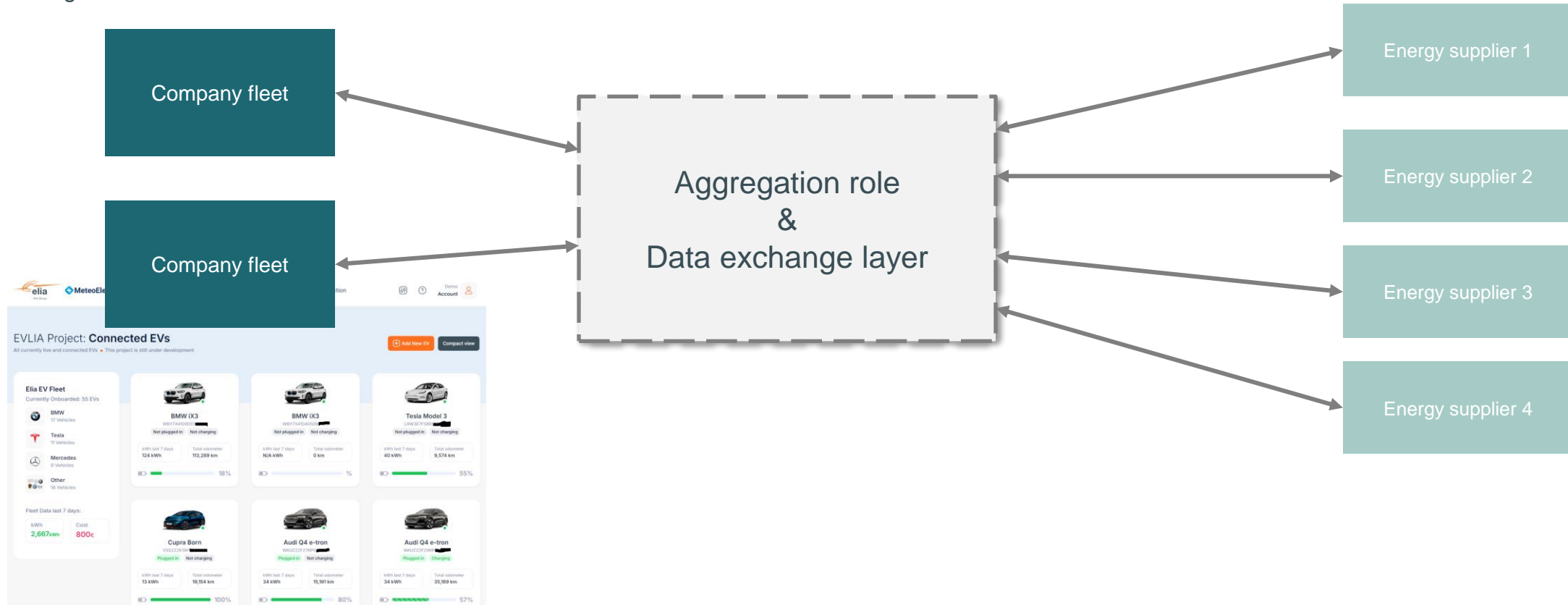
Connectivity also offering route to steerability.



# Bringing this at scale requires a many-to-many model

Company fleet managers need a unified solution, avoiding the need to conclude agreements with every single supplier active in the region.

Energy suppliers need harmonized access to behind-the-meter energy flows.

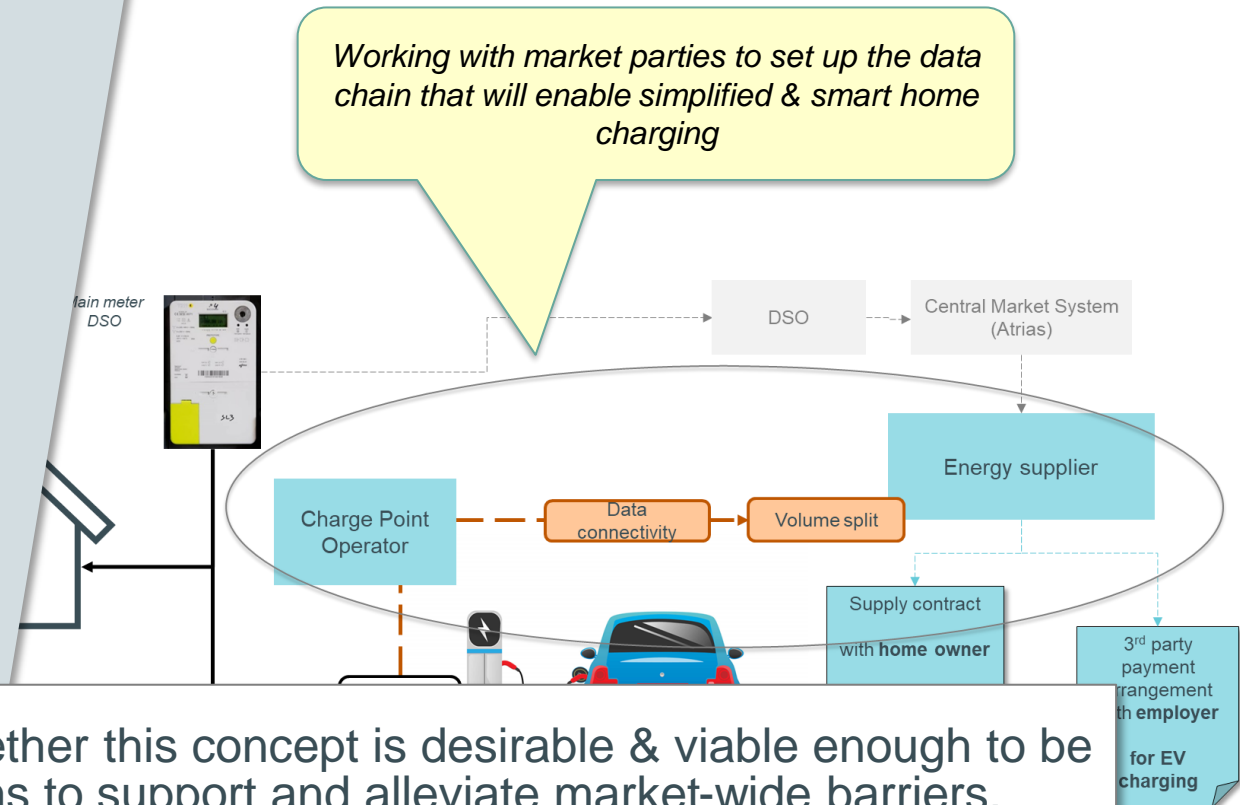
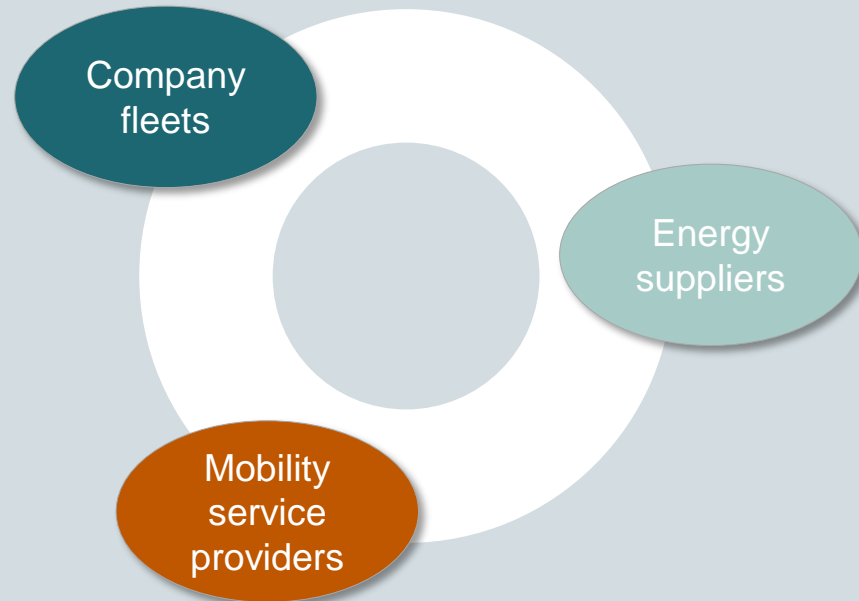


A first version of many-to-many approach will be set up in the EV.fleet at scale initiative, with participating actors.

**Coalition building** to validate interest at demand & supply side

&

**Proof-of-concepts** with market actors to prove feasibility



**Market driven:** The market actors will define whether this concept is desirable & viable enough to be commercialized. Elia as market facilitator aims to support and alleviate market-wide barriers.



End June '25:

- First coalition of fleet managers, energy suppliers & CPO willing to implement an EV.fleet at scale solution.
- First results of proof-of-concepts with frontrunner suppliers & a subset of fleets

**30/Sep/2025:**

EV.fleet at scale gets public visibility at the Elia **Flex at scale event**.

- Successful pilots in the picture
- Announcement of the coalition at demand (fleet) and supply (suppliers & CPO) side to underline the scale.

End of 2025:

First commercial implementations of EV.fleet at scale concept with volume split visible in fleets.





## Join the coalition!

This coalition gathers employers, energy suppliers, mobility providers & representative associations interested in the "EV.fleet at scale" solution.

Coalition members support the initiative, and show **commitment to investigate & try out the EV.fleet at scale solution.**

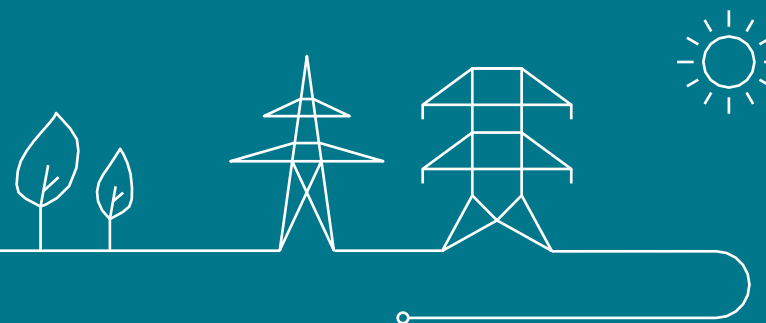
# EV.fleet at scale

*Home charging for company EV fleets simplified*

Contact:

Michaël Piron – [Michael.Piron@elia.be](mailto:Michael.Piron@elia.be)

Alexandra Verbrugge – [Alexandra.Verbrugge@elia.be](mailto:Alexandra.Verbrugge@elia.be)



# SCALES <sup>at</sup> FLEX

30<sup>th</sup> Sept 25



Centered around **end consumer**



*Understand* the need, the possibilities and the value of flex



*Discover* real use cases from the journey towards flex



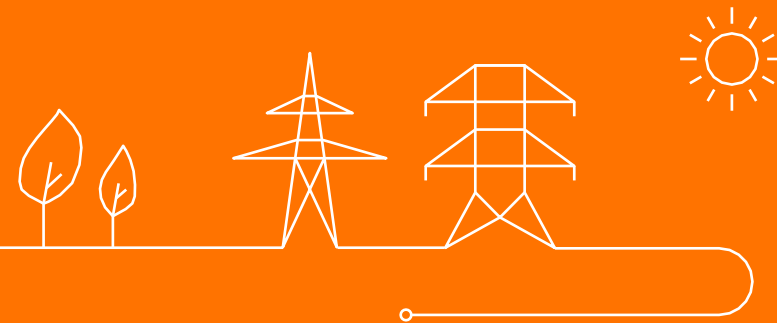
*Interact* with actors in the full value chain of flexibility



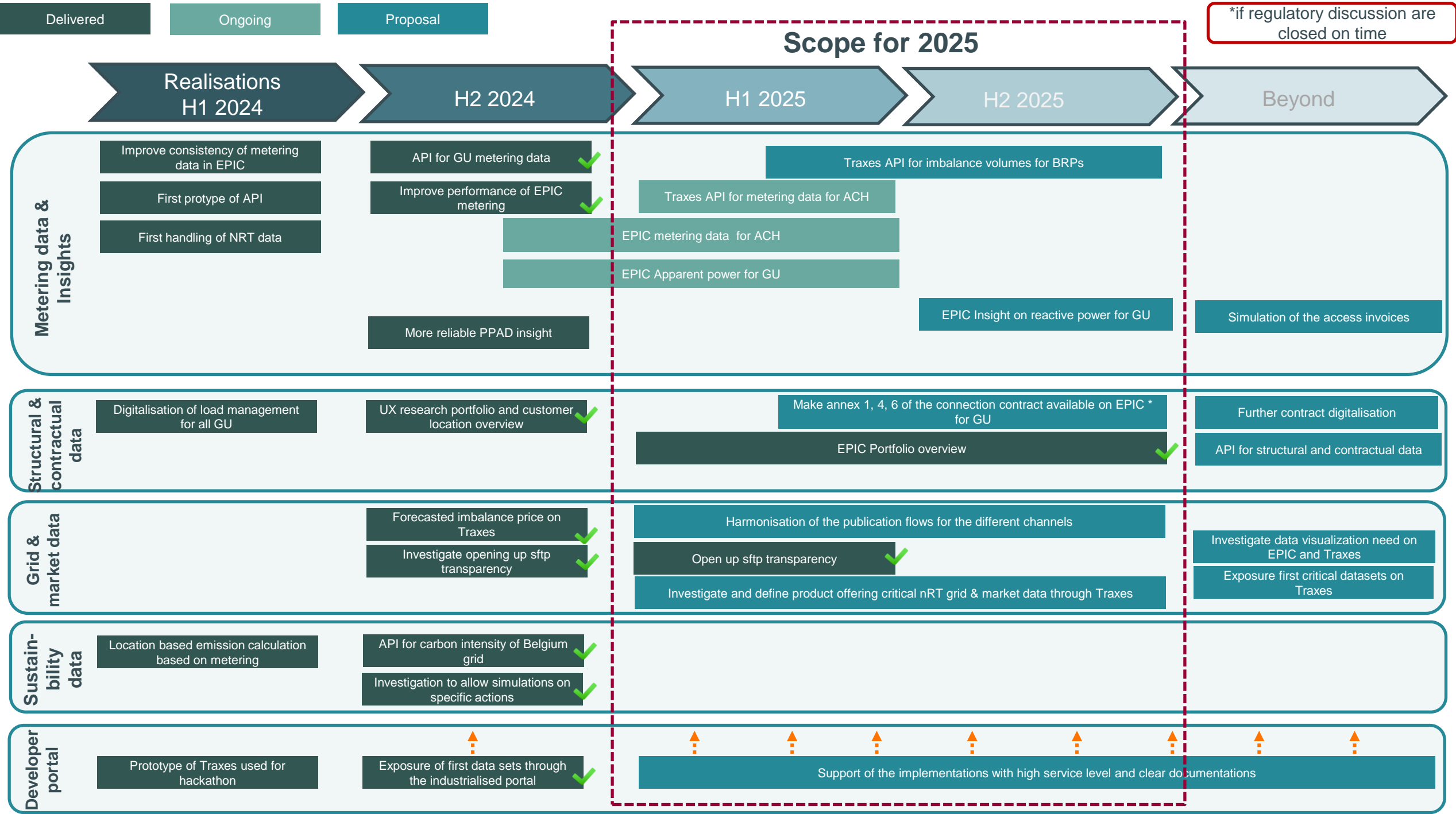
Focus on flex pools EV & PV

# Incentive on data provision - status and deep dive on EPIC portfolio overview

Michiel Verbeeck & Quentin Lambert

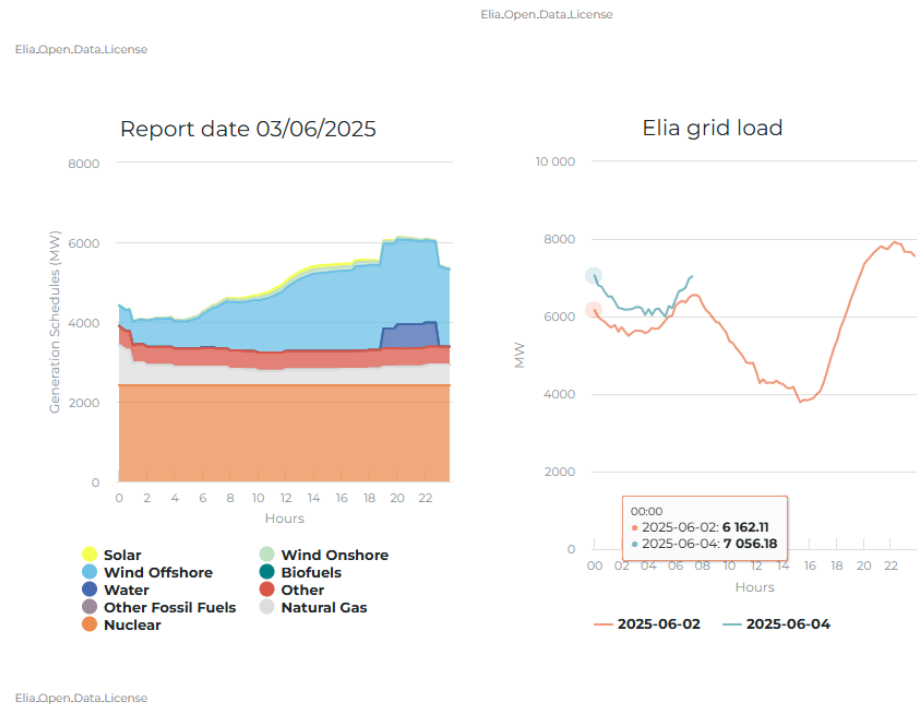






# Open up sftp transparency

<https://www.elia.be/nl/grid-data>



## Nuttige links

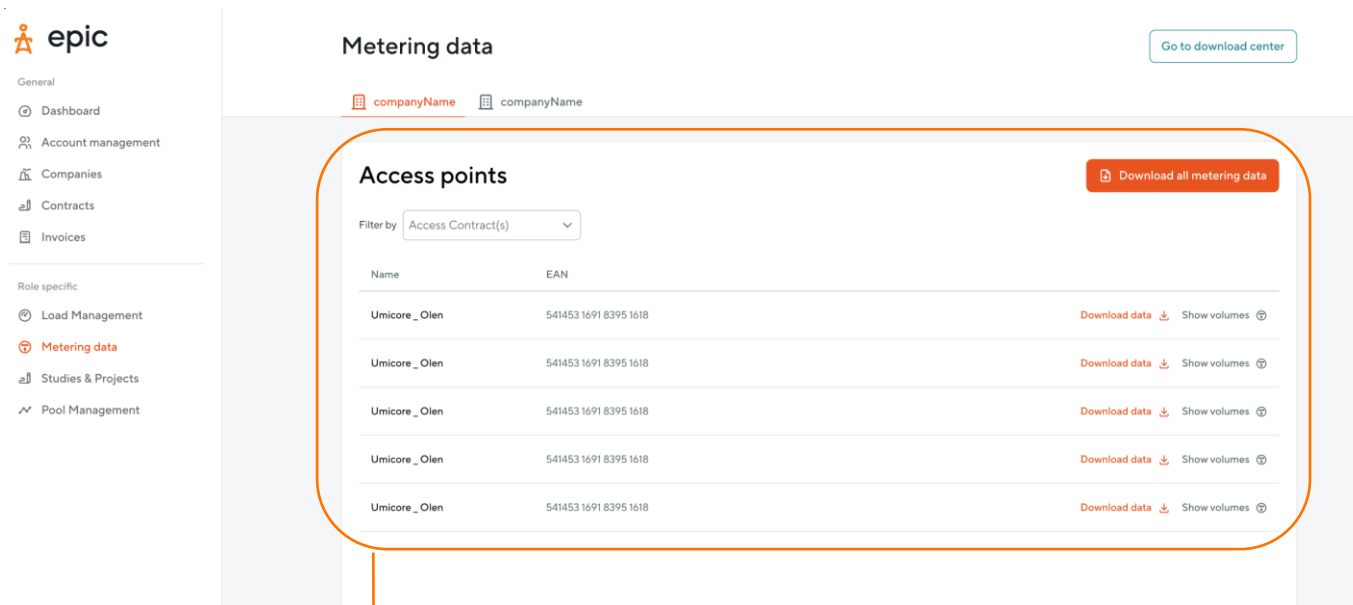
- Open Data**  
Klik hier om toegang te krijgen tot alle netgegevens die door Elia gepubliceerd worden. De gegevens kunnen makkelijk worden bestudeerd, gedownload in standaardbestandsformaat en zijn toegankelijk via API's zodat ze kunnen gebruikt worden door andere applicaties.
- Dringende boodschappen voor de markt**  
Bepaalde door Elia geconsolideerde informatie kan worden beschouwd als bevoorrechte informatie binnen de context van de Europese REMIT-wetgeving.
- Transparantie van de gegevens**  
Onze transparantieplichtingen op Belgisch en Europees niveau passen in een regelgevende en wettelijke context die voortdurend evolueert.
- EIC-codes**  
Een EIC-code is nodig om data uit te wisselen op de energiemarkt. Vraag hier je code aan of raadpleeg de lijst van reeds toegekende codes.
- Elia Transparency SFTP Content and Access (in het Engels)**

Connecting to access the sftp can be by sending an e-mail to [transparency@elia.be](mailto:transparency@elia.be) with the email address with which you wish to connect

# Achievements EPIC & traXes Metering service



# Providing Access Contract Holders access to their metering data via EPIC & traXes

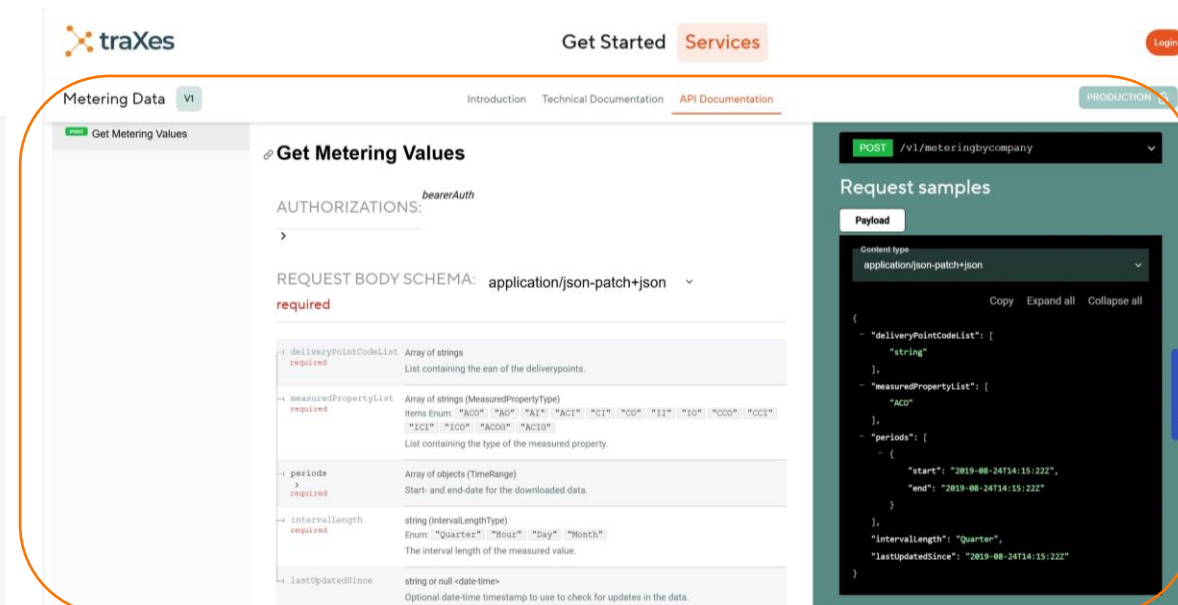


**Access points**

Name	EAN	Download data	Show volumes
Umicore_Olen	541453 1691 8395 1618	Download data	Show volumes
Umicore_Olen	541453 1691 8395 1618	Download data	Show volumes
Umicore_Olen	541453 1691 8395 1618	Download data	Show volumes
Umicore_Olen	541453 1691 8395 1618	Download data	Show volumes
Umicore_Olen	541453 1691 8395 1618	Download data	Show volumes

Enabling the customer to view their portfolio per contract type (Connection contract or Access contract)

**Will be released by the end of June**



**Get Metering Values**

AUTHORIZATIONS: *bearerAuth*

REQUEST BODY SCHEMA: *application/json-patch+json*

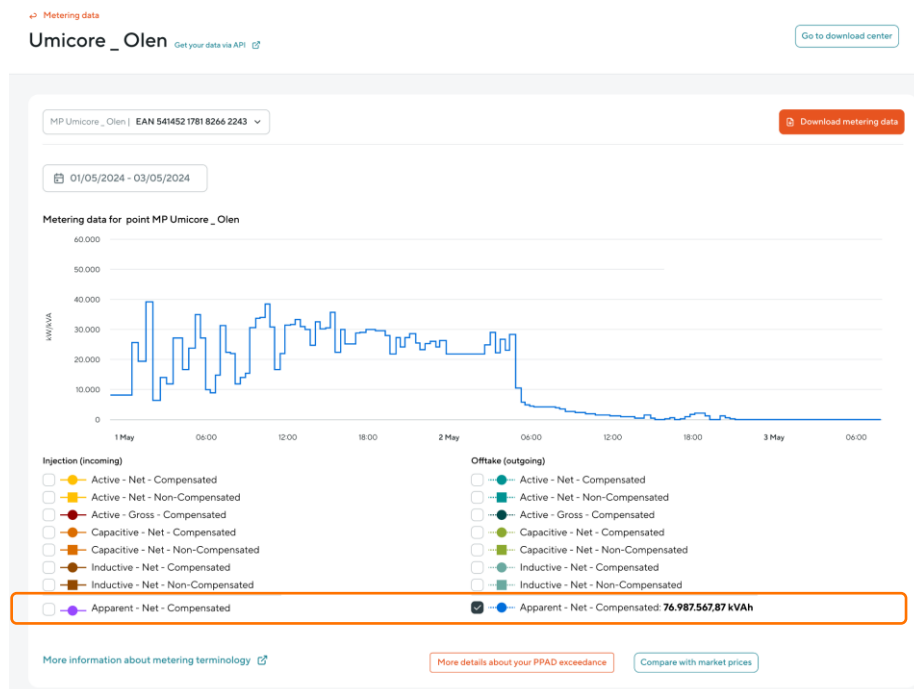
**Request samples**

```
POST /v1/meteringbycompany
Content type: application/json-patch+json
{
  "deliveryPointCodeList": [
    "string"
  ],
  "measuredPropertyList": [
    "ACQ"
  ],
  "periods": [
    {
      "start": "2019-08-24T14:15:22Z",
      "end": "2019-08-24T14:15:22Z"
    }
  ],
  "intervalLength": "Quarter",
  "lastUpdatedSince": "2019-08-24T14:15:22Z"
}
```

Enabling ACH to access all Access Point metering data via API providing them a **seamless integration**.

**Will be released by the end of June**

# Providing Grid Users & Access Contract Holders access to apparent power values



	A	B	C	D	E	F	G
1	Company	CompanyName					
2	Meterable	EAN Number					
3	Last Update	16-06-2025					
4	Validation Status	Validated by Elia					
5							
6	Meterable type			Incoming Apparent Net Compensated		Outgoing Apparent Net Compensated	
7				Quality		Quality	
8							
9							
10	Monthly energy			11,696,006 KWh		3,902,993 KVARh	
11				Invalid		Invalid	
12	Quarter hourly values						
13	Date From To			W		VAR	
14	01-06-2025	00:00	00:15	30,152,908	N	8,001,100	N
15	01-06-2025	00:15	00:30	30,188,391	N	8,009,165	N
16	01-06-2025	00:30	00:45	30,514,177	N	8,193,024	N
17	01-06-2025	00:45	01:00	30,557,721	N	8,226,893	N
18	01-06-2025	01:00	01:15	31,157,683	N	8,225,280	N
19	01-06-2025	01:15	01:30	31,597,978	N	8,284,953	N
20	01-06-2025	01:30	01:45	30,959,309	N	8,215,603	N
21	01-06-2025	01:45	02:00	30,352,896	N	8,170,445	N
22	01-06-2025	02:00	02:15	30,202,905	N	8,105,932	N
23	01-06-2025	02:15	02:30	30,288,385	N	8,133,350	N
24	01-06-2025	02:30	02:45	30,215,808	N	8,047,871	N
25	01-06-2025	02:45	03:00	30,314,188	N	8,057,549	N
26	01-06-2025	03:00	03:15	30,444,826	N	8,101,094	N
27	01-06-2025	03:15	03:30	30,760,936	N	8,128,511	N
28	01-06-2025	03:30	03:45	31,625,396	N	8,286,566	N
29	01-06-2025	03:45	04:00	31,730,228	N	8,467,200	N

Enabling the customer to access a new metering data set (incoming compensated apparent power & outgoing compensated apparent power)

Will be released in July

# Go live of BSP features on the EPIC platform



## What will change for you as a BSP?

- You will have **access to key information** in relation to Elia such as viewing your contact persons and their contact data.
- You will be able to **view your active BSP contract and the Delivery Points (DP)** linked to it, as well as their attributes, in EPIC. You will be able to **download** this data directly from the EPIC portal.
- You will also be able to **modify your company information and contact persons** for different matters in EPIC and assign contractual roles to them.

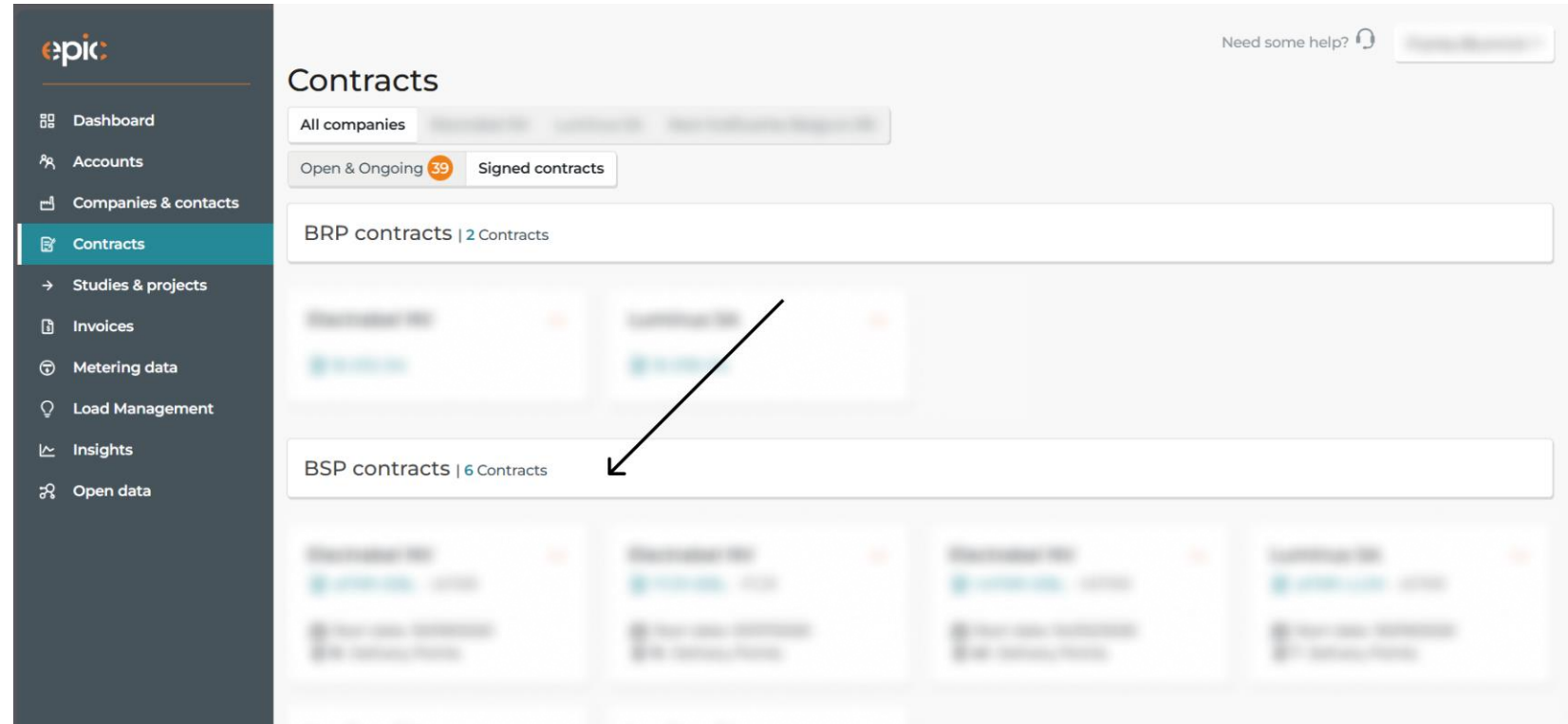
Please **check that this information has been migrated completely and correctly to EPIC** and keep it **up to date at all times**, as it will ensure that Elia always reaches the correct contact person for any matter.



## Available feature: BSP Contract

For each market party type, such as Grid User (GU), Balance Responsible Party (BRP), Balance Service Provider (BSP), and others, you can view contract details via specific tiles in EPIC. This allows you to access your contract overview with Elia at any time.

[Read full guide >>](#)

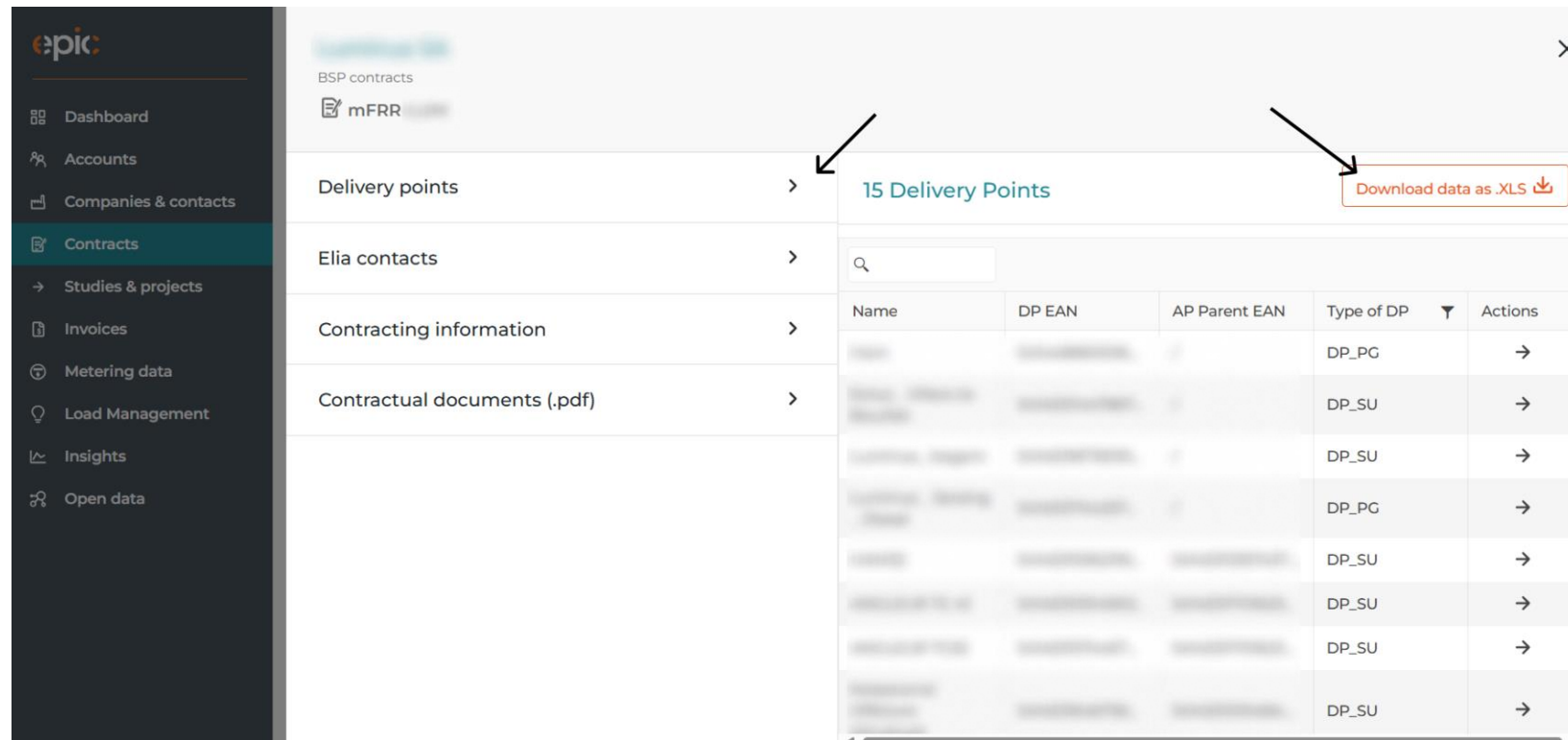




## Available feature: View and download list of Delivery Points

To manage the delivery points your company is responsible for, you need to use the contract menu item, from which you can access detailed information about the contract, including a list of associated access/delivery points. The list can be downloaded for easier reference and management.

[Read full guide >>](#)



The screenshot shows the 'epic' web application interface. On the left is a dark sidebar menu with the following items: Dashboard, Accounts, Companies & contacts, **Contracts** (highlighted), Studies & projects, Invoices, Metering data, Load Management, Insights, and Open data. The main content area is titled 'BSP contracts' and 'mFRR'. It contains a list of contract-related items:

- Delivery points: 15 Delivery Points (with a 'Download data as .XLS' button)
- Elia contacts
- Contracting information
- Contractual documents (.pdf)

The 'Delivery points' section is expanded, showing a table with the following columns: Name, DP EAN, AP Parent EAN, Type of DP, and Actions. The table lists several delivery points, each with a 'Type of DP' (DP\_PG or DP\_SU) and an 'Actions' column containing a right-pointing arrow.

Name	DP EAN	AP Parent EAN	Type of DP	Actions
			DP_PG	→
			DP_SU	→
			DP_SU	→
			DP_PG	→
			DP_SU	→
			DP_SU	→
			DP_SU	→
			DP_SU	→

## Outlook: Features that will become available in a later stage

We are working tirelessly on adding more functionalities to the EPIC portal to improve customer experience and transparency. These are some of the features you can look forward to finding in EPIC in the future:

- Penalties & remuneration control (formerly Settlement UI)
- BSP Invoices
- Contractual documents & contract history
- Advanced pool management, including centralized onboarding of delivery points via EPIC

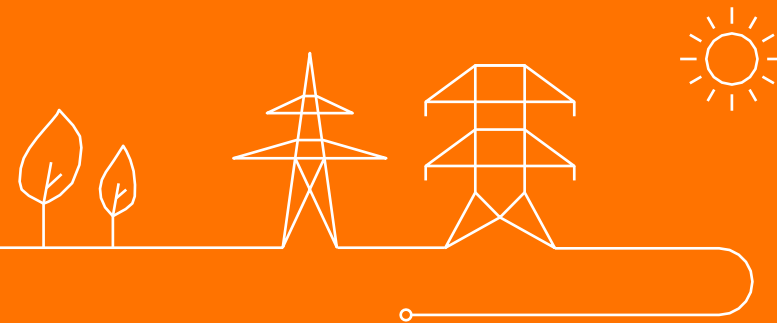


**Thank you &  
enjoy using  
EPIC!**



# Watts.Happening new feature: Partners list

Charles-Edouard Levecq



## Watts.Happening – Helping you find your way to benefit from the value of your potential flexibility

Public website: [www.wattshappening.be](http://www.wattshappening.be)



A **primer on flexibility** in general, with needed context to understand which products Elia offers



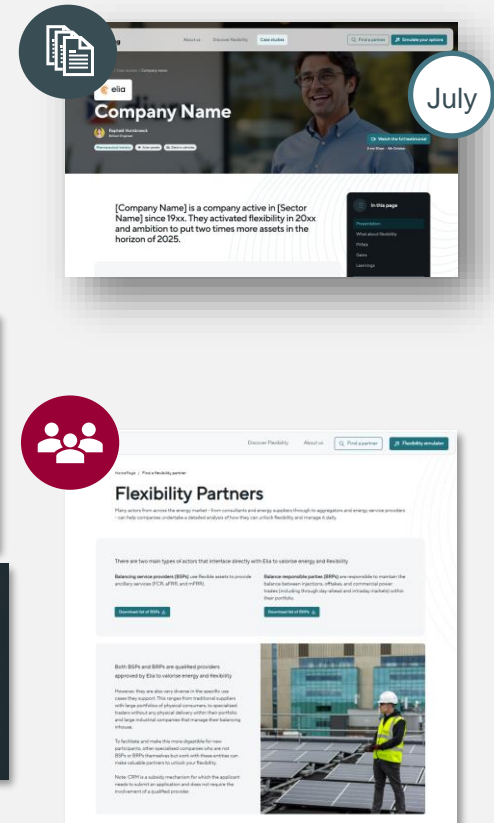
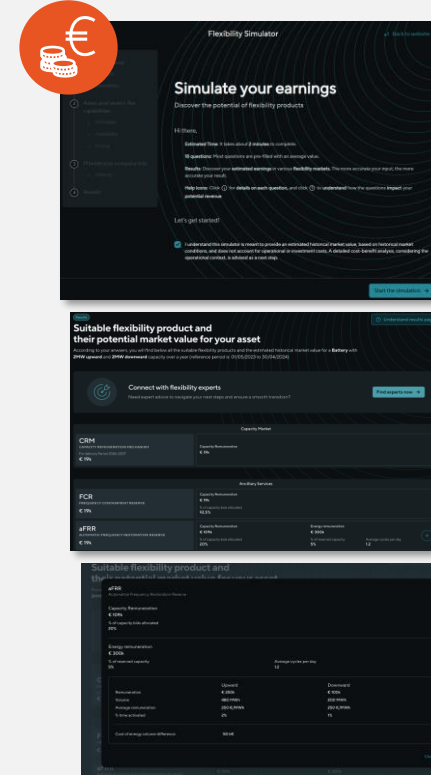
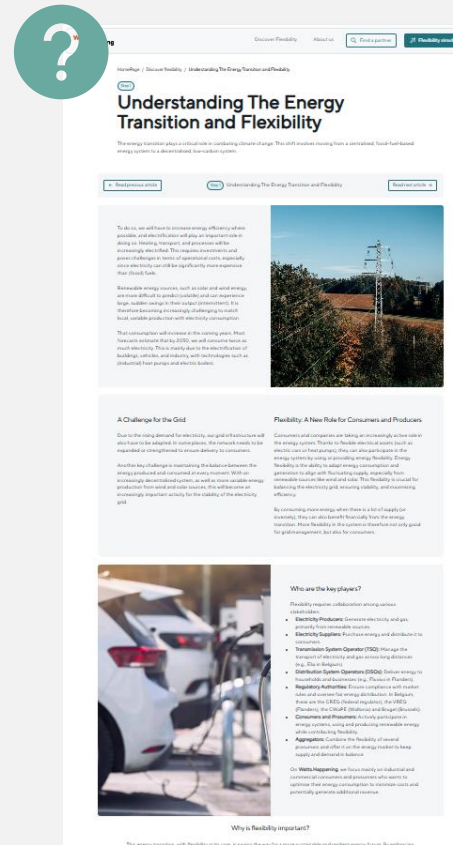
**Simulator of Flexibility value** for balancing & CRM products, with a quick estimation as well as a detail calculation



**Use cases** of how various companies offer flexibility with their assets



**Lists of Market parties** (BRPs and BSPs) that can be contacted for services



## Watts.Happening is being used and praised by asset owners, Energy service companies, banks and well as BSP/BRPs

*“Watts.Happening is considered a reference by most of our target customers” – ESP, may 2025*

*“We use Watts.Happening as a validation tool for battery and other flexibility related investments” – Bank, march 2025*

*“The simulations are now much more realistic and match our own market results for BESS” – BSP, February 2025*

*“The tool is very helpful and allowed me to validate initial assumptions” – ESP Start up, May 2025*

*“Easy to use comparator. It is not available in other EU countries nor UK. Very useful “ – User, May 2025*

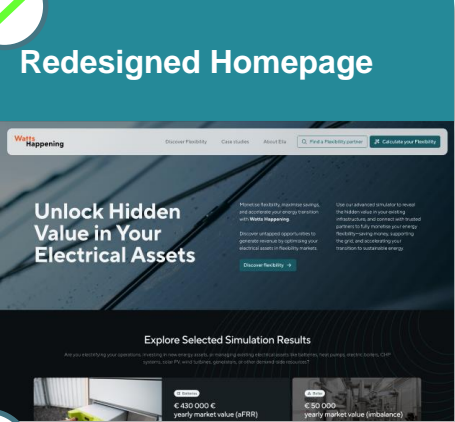
### Some key data:

- Launch: 2023
- **3 100 new visitors** in past year (4.5x increase over previous year)
- 8 700 sessions in past year (3.7x increase over previous year)
- **2,7 GW of unique assets simulated per month**
- 185 monthly unique asset simulations
- 15 MW average asset capacity

## Watts.Happening – A full redesign is underway, with improved content, as well as upcoming new features – Including the “flex partner list”

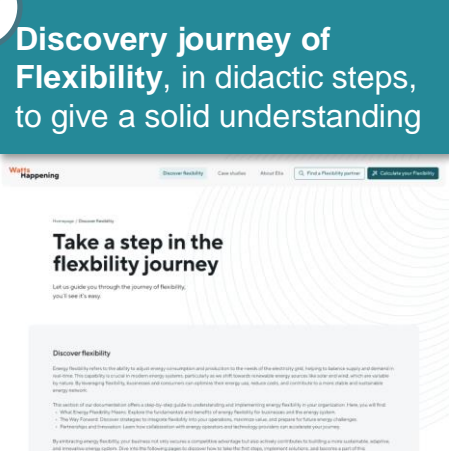
✓

### Redesigned Homepage



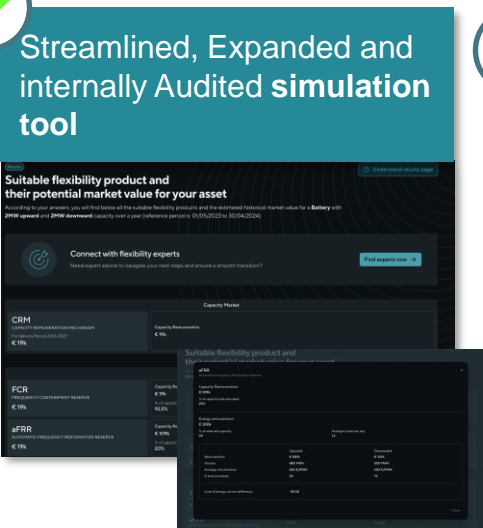
✓

### Discovery journey of Flexibility, in didactic steps, to give a solid understanding



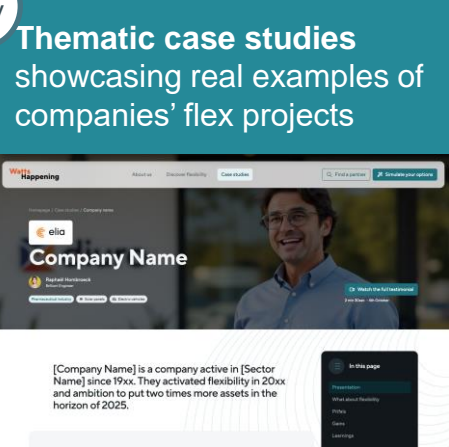
✓

### Streamlined, Expanded and internally Audited simulation tool



July

### Thematic case studies showcasing real examples of companies' flex projects

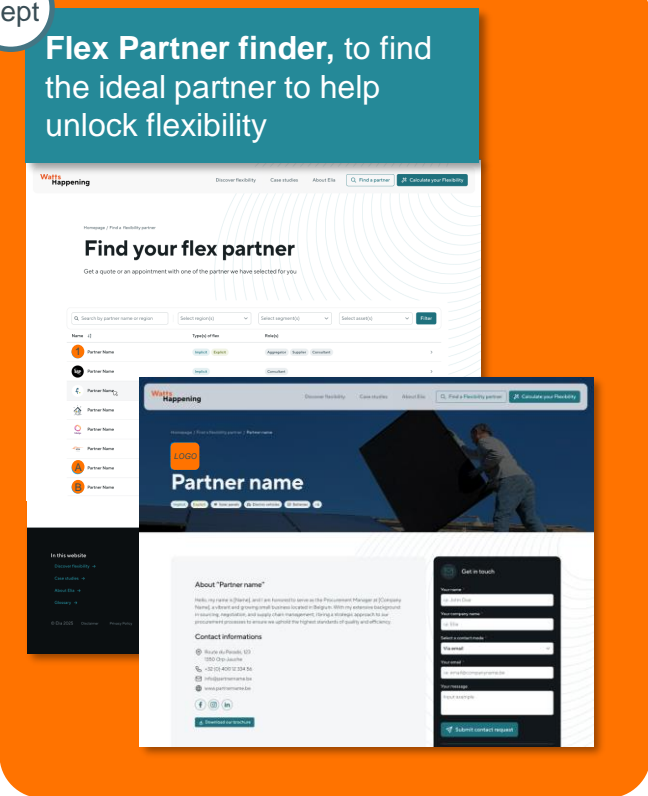


Once the **concept and value of flexibility** are understood, companies can **look for service providers (aggregator and/or suppliers)** to help them realize their flexibilization ambitions

We want to simplify that process with the « **find your flex partner** » screen

Sept

### Flex Partner finder, to find the ideal partner to help unlock flexibility

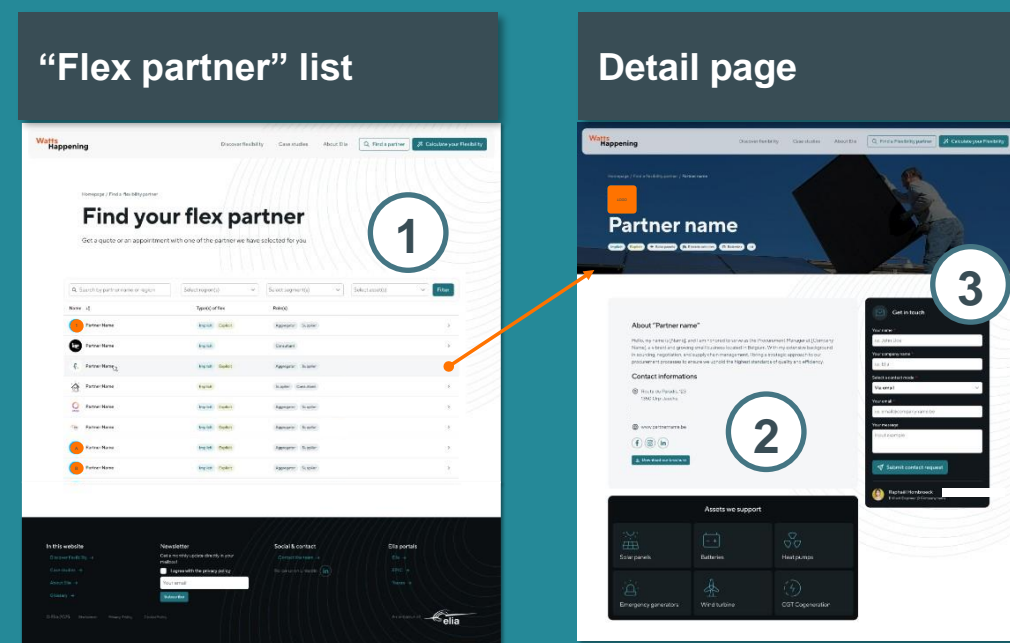




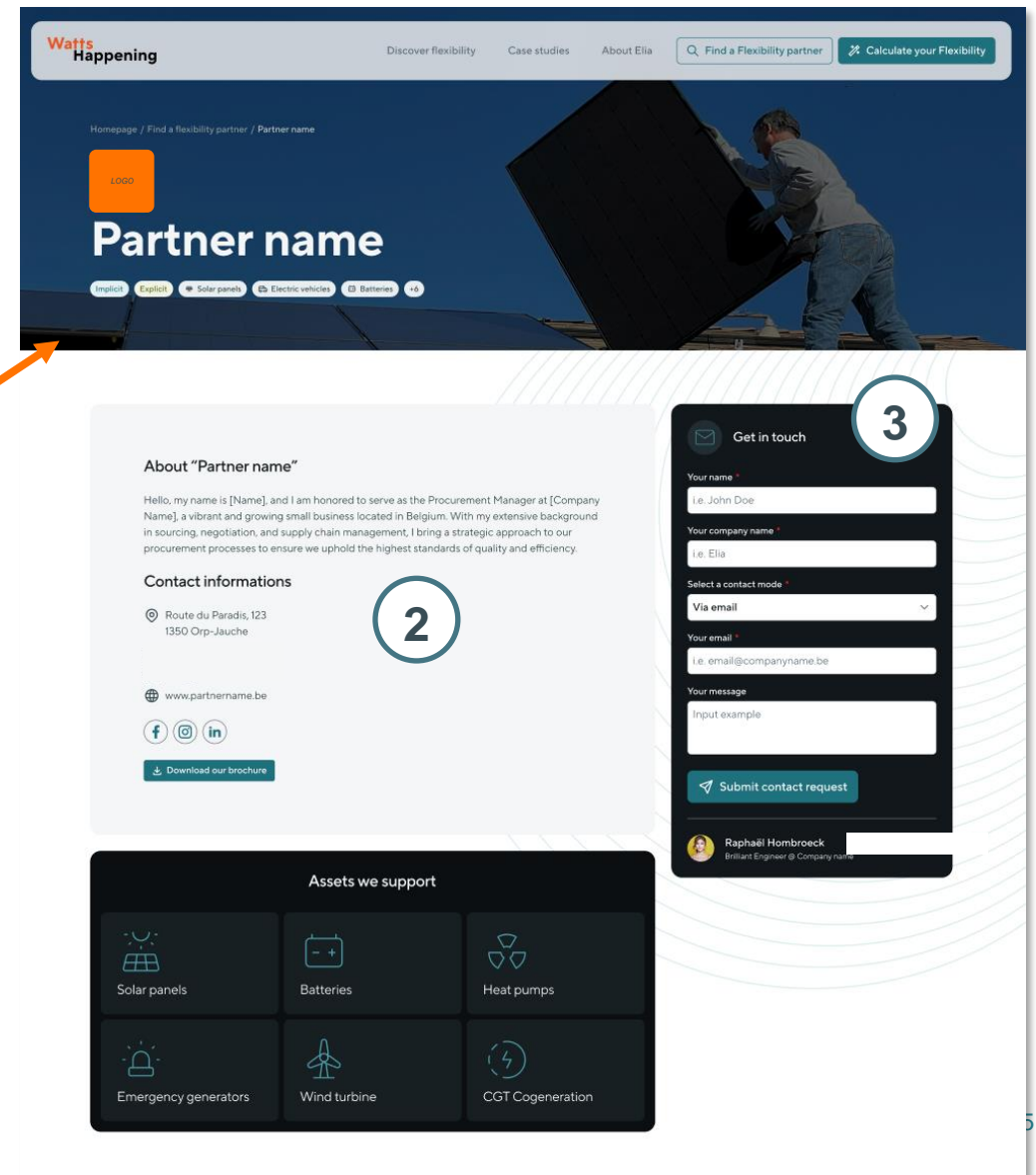
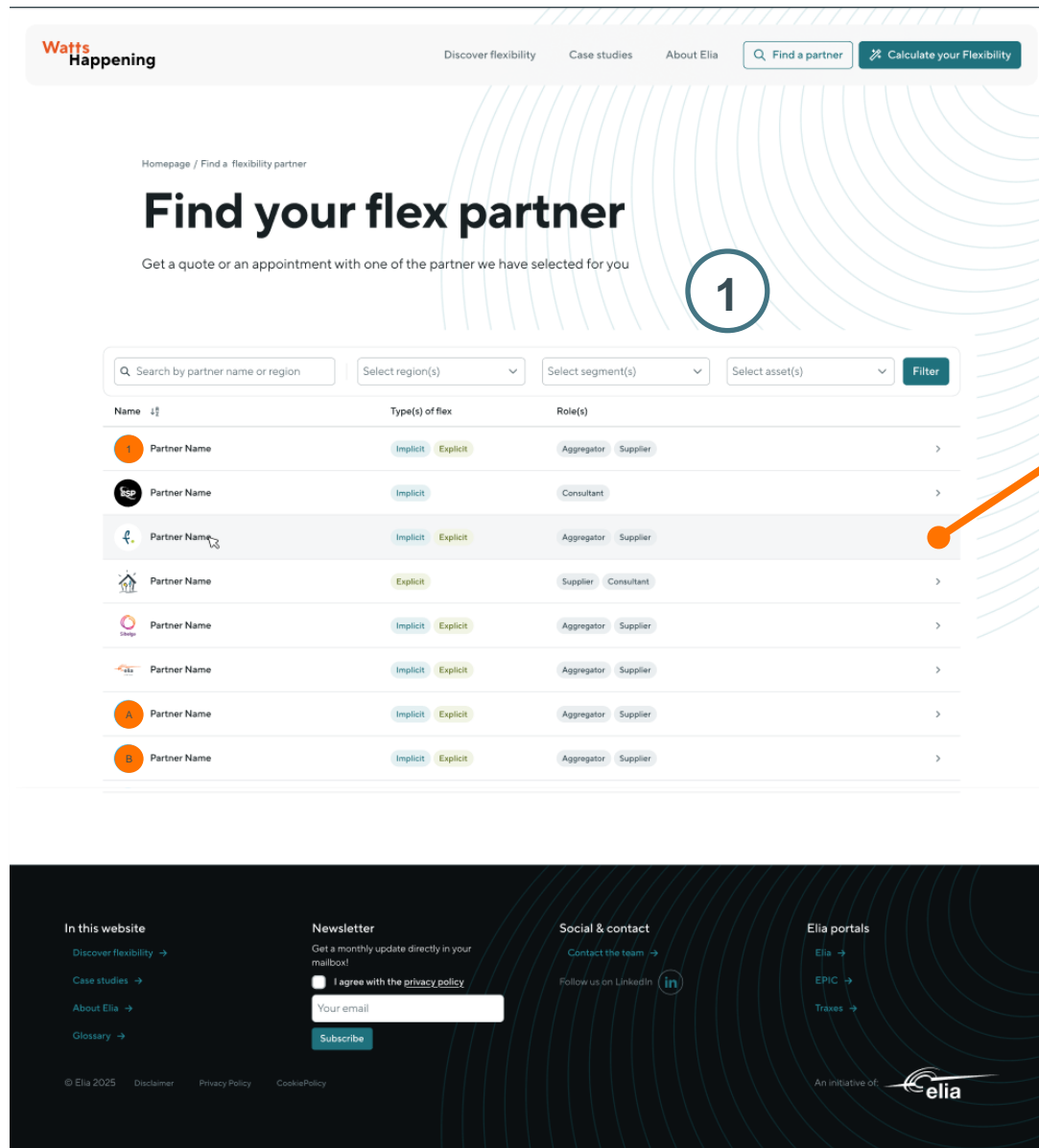
## Partner list – a tool for Watts.Happening users looking for partners to help them realise their flexibility plans

On the « partner list », we will list aggregators and suppliers that enable their customers' flexibility

1. The user (*companies owning potential flexibility*) can **filter** the different providers based on a series of variables to find the ones most relevant to them (e.g. type of asset, flexibility type/market, role needed, ...)
2. Then by clicking on one provider, **on the detail page, the user finds more information specific to the company.** This includes a **downloadable document** provided by the company describing 3-4 projects showcasing the type of flex they enabled.
3. The interested user can then send a **request message** from that page directly to the relevant person/mailbox of the company



# Partner list – Mockup detail



**Would you like to engage in this journey with us?**

**What do you still miss to engage on this journey with us?**

We will be sending out request to all BRPs and BSPs to submit the necessary information over the summer

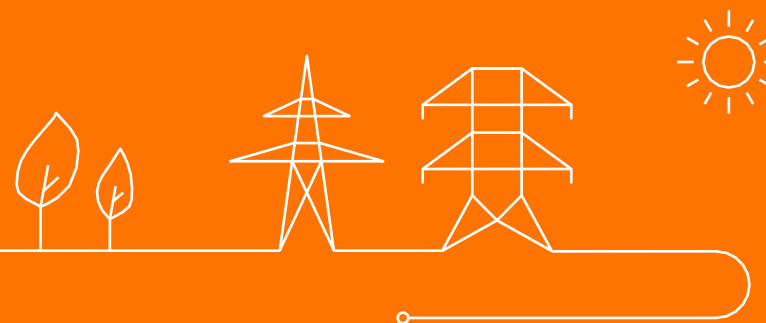
# Agenda

- 09:30 – 09:35: Welcome and approval MoM
- 09:35 – 10:00: Update on the decision of CREG on LFCBOA and T&C BRP
- 10:00 – 10:15: Public consultation on the ToE rules
- 10:15 – 10:30: Planning of the T&C BRP – next revisions
- 10:30 – 10:50: Feedback on the public consultation on the “Real-Time” Price design note II
- 10:50 – 11:30: Home charging for company EV simplified: from EVLIA to EV
- 11:30 – 11:50: Incentive on data provision - status and deep dive on EPIC portfolio overview
- 11:50 – 12:05: Watts.Happening new feature: Partners list
- **12:05 – 13:00: Lunch**
- 13:00 – 13:30: Roadmap 2025-2028
- 13:30 – 14:15: EU & BE Balancing Program Update
- 14:15 – 14:25: BSP Faster Settlement incentive – status update
- 14:25 – 14:35: CREG decision on the T&C BSP FCR & FCR Evolutions implementation plan
- 14:35 – 14:50: Evolution of the Working Group
- 14:50 – 15:00: AOB



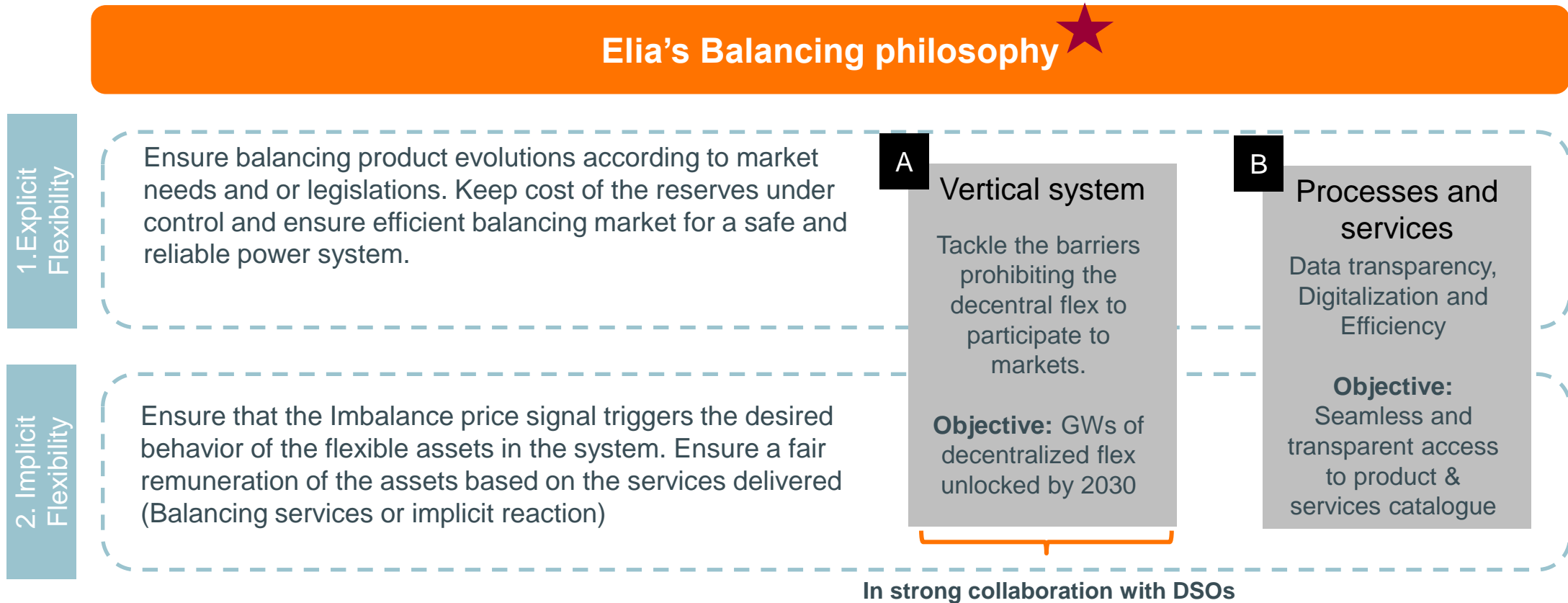
# Roadmap 2025-2028

Martine Verelst / Patrik Buijs / Caroline Bosschaerts /  
Alexandra Verbrugge / Antoine Mathieu

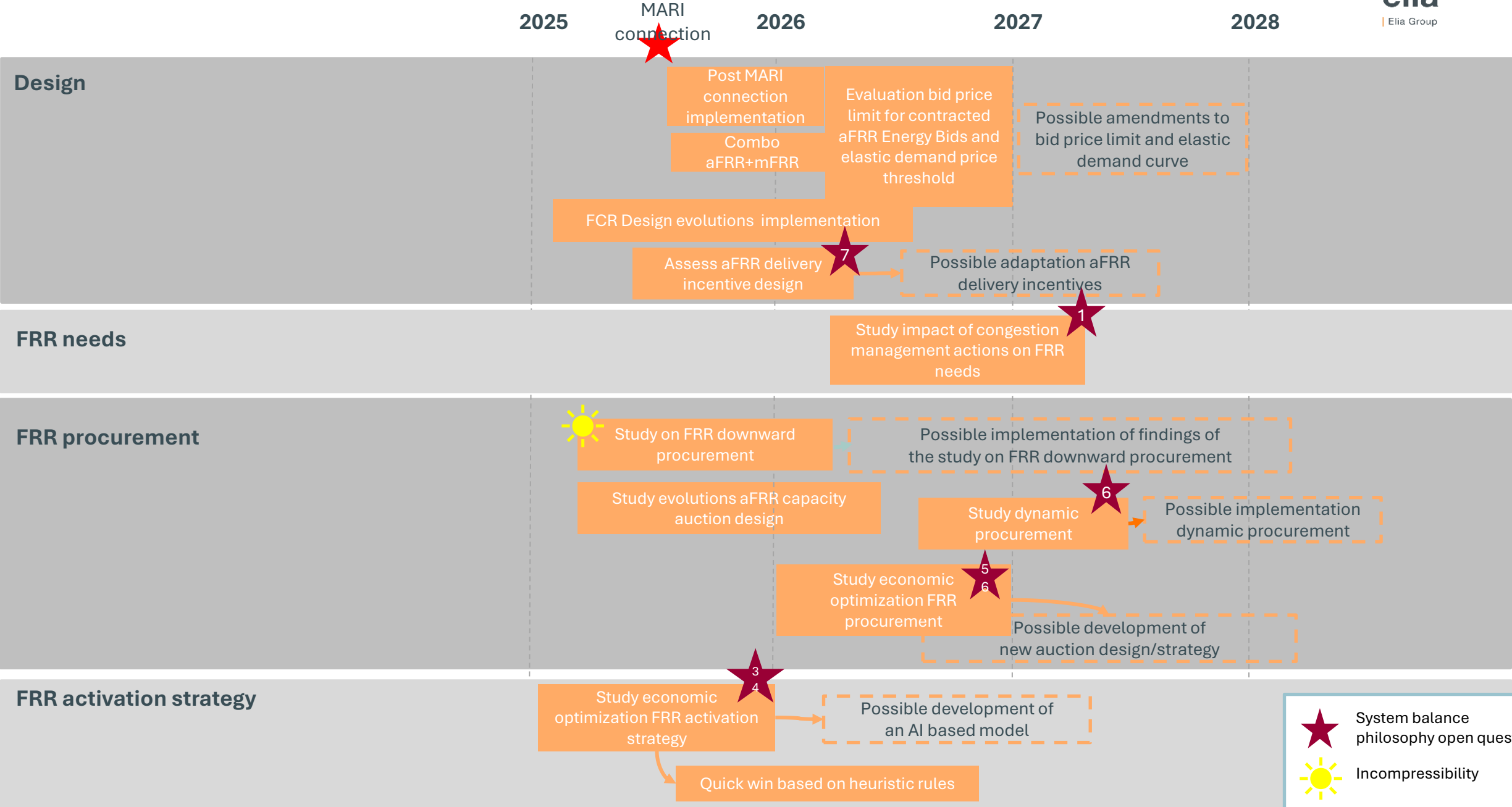


## Proposed framework

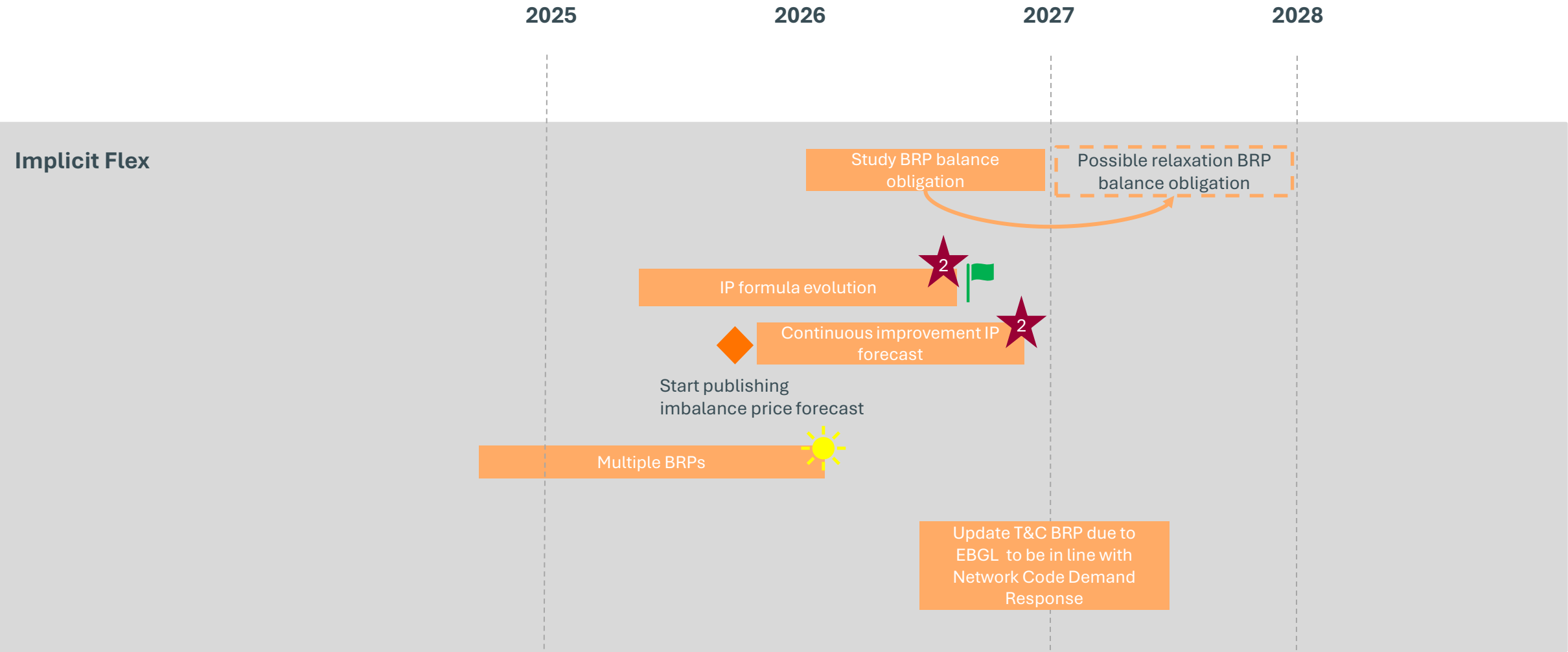
One **balancing philosophy**, Two core activities and two focus areas




# Explicit flexibility




# Implicit Flexibility





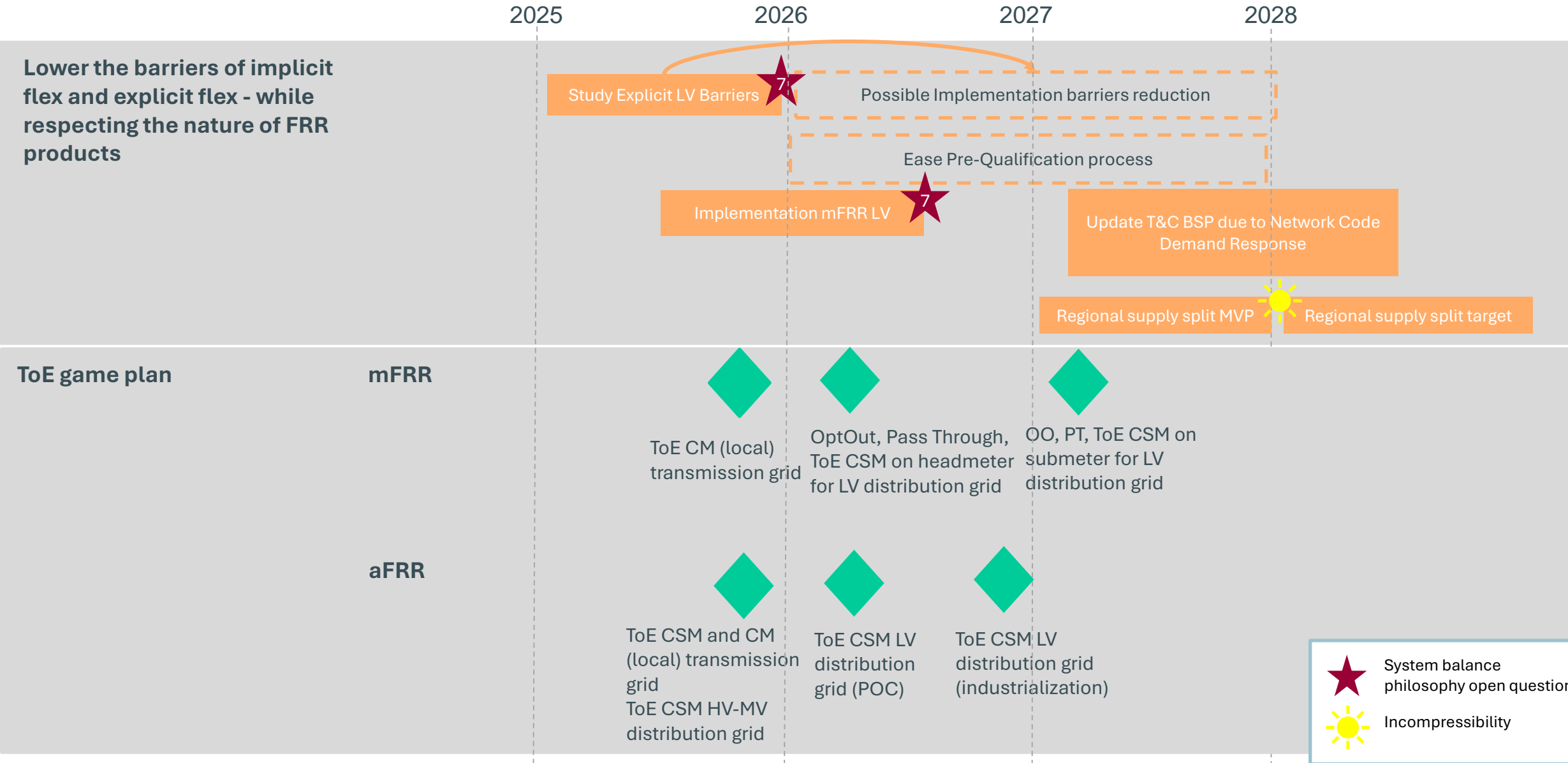
System balance philosophy open question



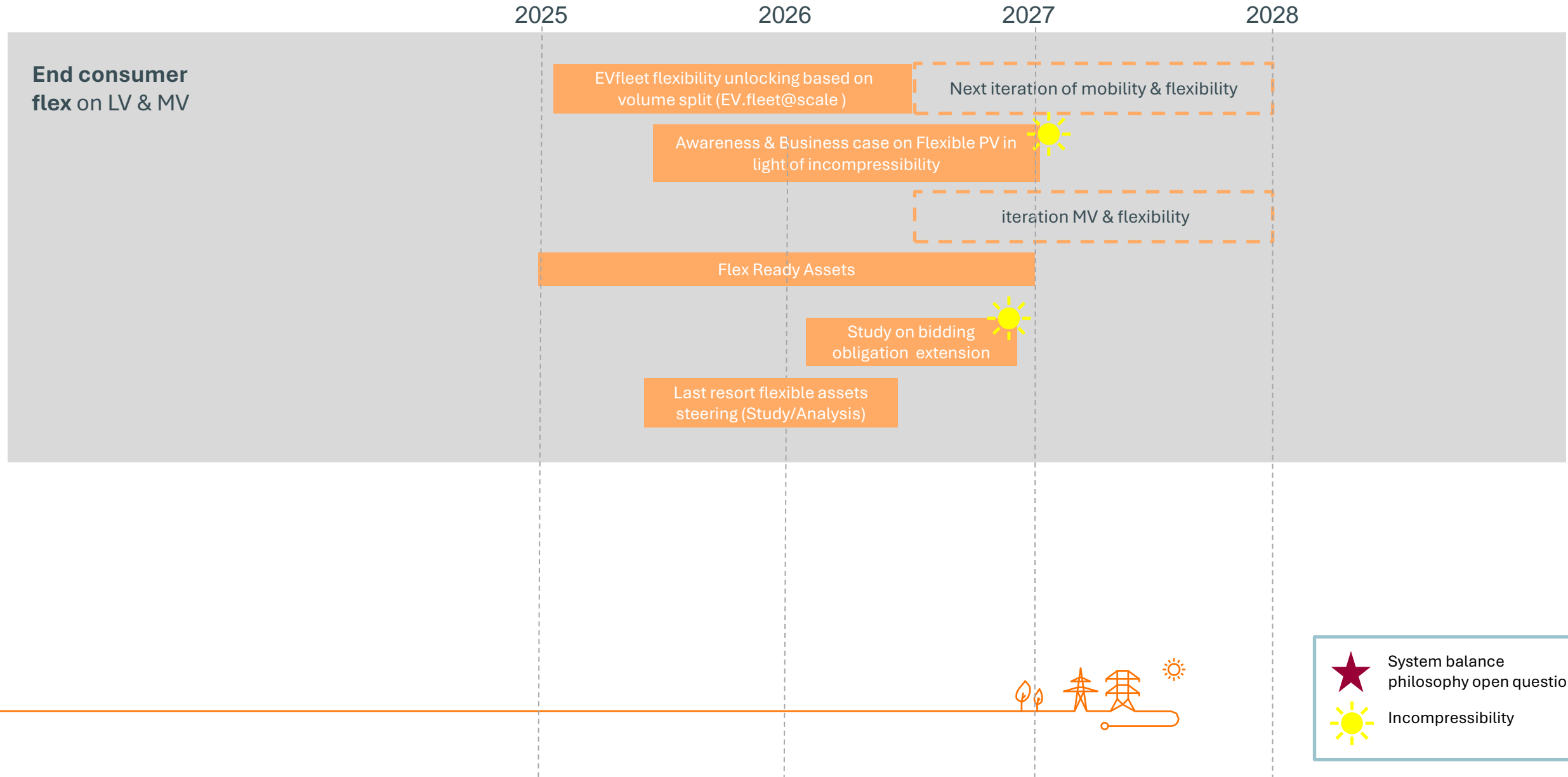
Incompressibility



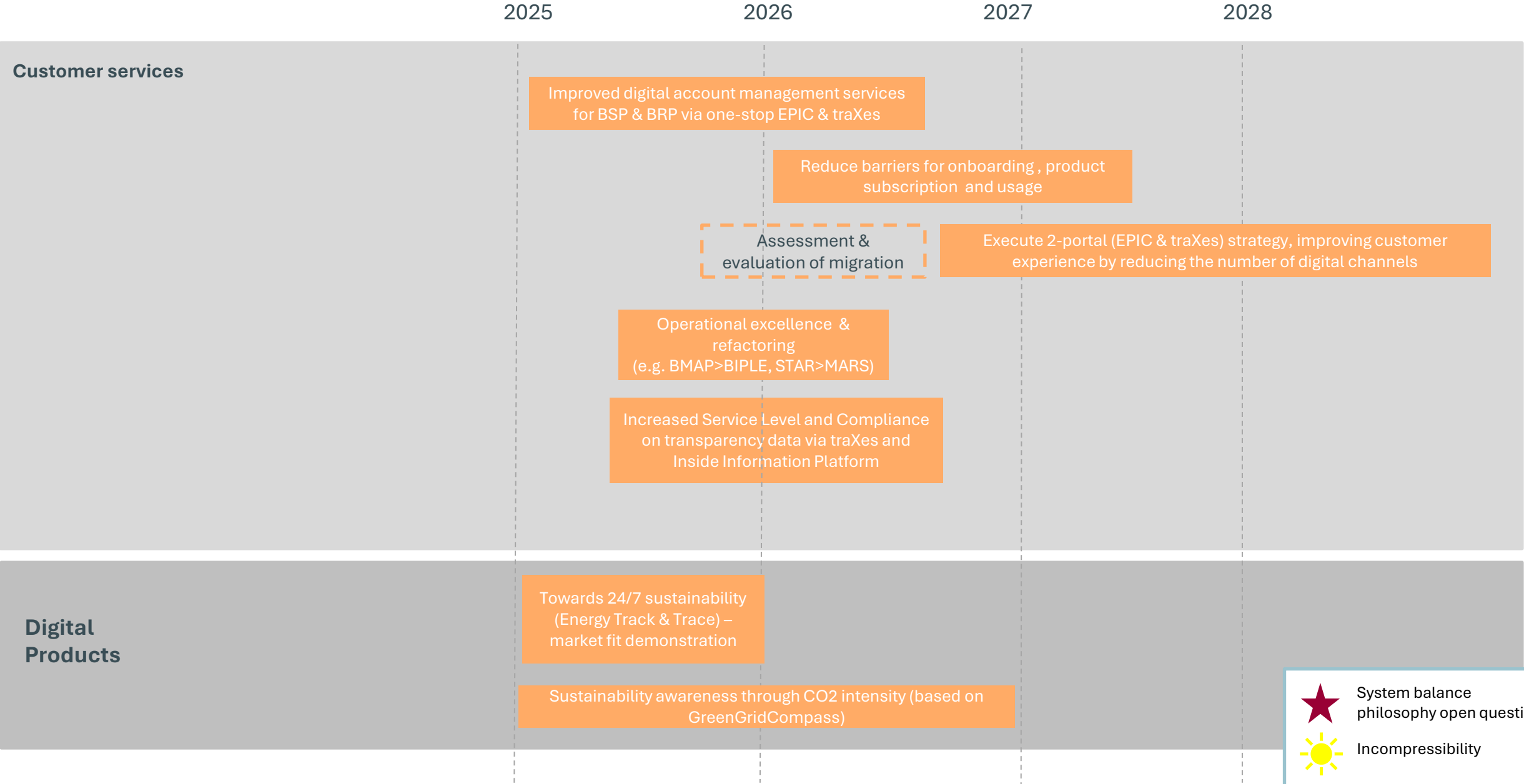
# Vertical System



# Vertical System

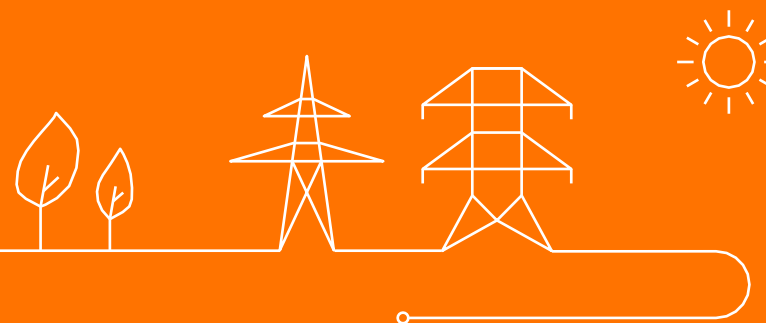


# Processes and Services



# EU & BE Balancing Program Update

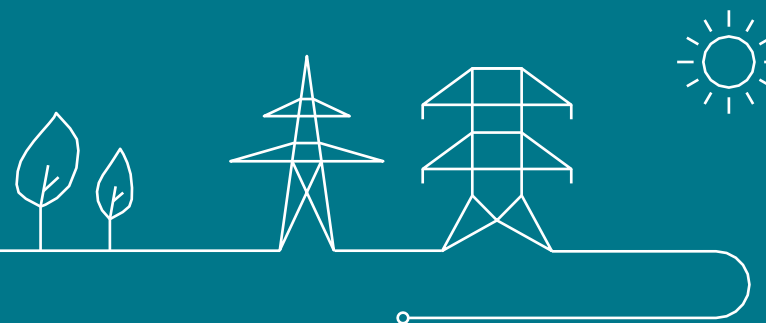
Martine Verelst / Suzanne Guérard / Kris Poncelet



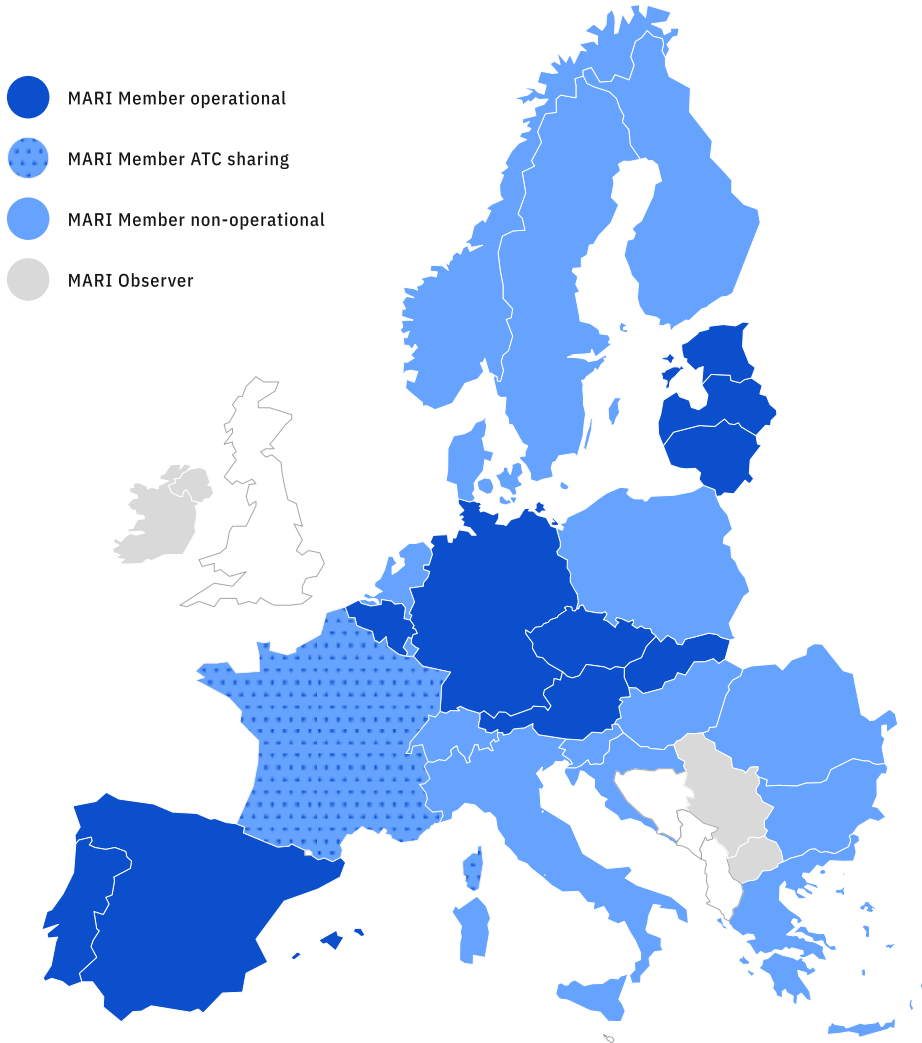
## Agenda of today's presentation

- MARI update
- FRR Needs and Means 2024

# MARI update



# Connection to MARI



- Elia has successfully accessed the European Platform for the exchange of Balancing Energy from Frequency Restoration Reserves with manual activation (mFRR-Platform) on **21 May**, in the quarter hour 11:30-11:45 CEST
- To finalize the connection configuration, ELIA had to temporarily operate mainly in an **isolated mode** until 17h15 CEST on 21 May, i.e. Belgian activations and CBMP were determined by the European Platform but no cross-border exchanges were possible. For the purpose of **issue management**, this has also been the case for some of the days until 26 May noon.
- In this presentation, data collected **from 27 May pm on** is shown.



# MARI- what benefits the connection may bring

## Conditions

There is cross-border  
(XB) capacity available



Elia has a mFRR demand

A limited  
number/expensive bids  
are offered in BE

There are cheap(er)  
mFRR bids "in excess" in  
other countries



## What the MARI platform allows

Elia's demand will be satisfied by a  
combination of local and cross-border  
activations.

## Potential benefits

This prevents the most  
expensive bids in BE  
from being activated

The mFRR "MARI" price  
is lower than the Belgian  
one

The mFRR balancing  
costs are lower

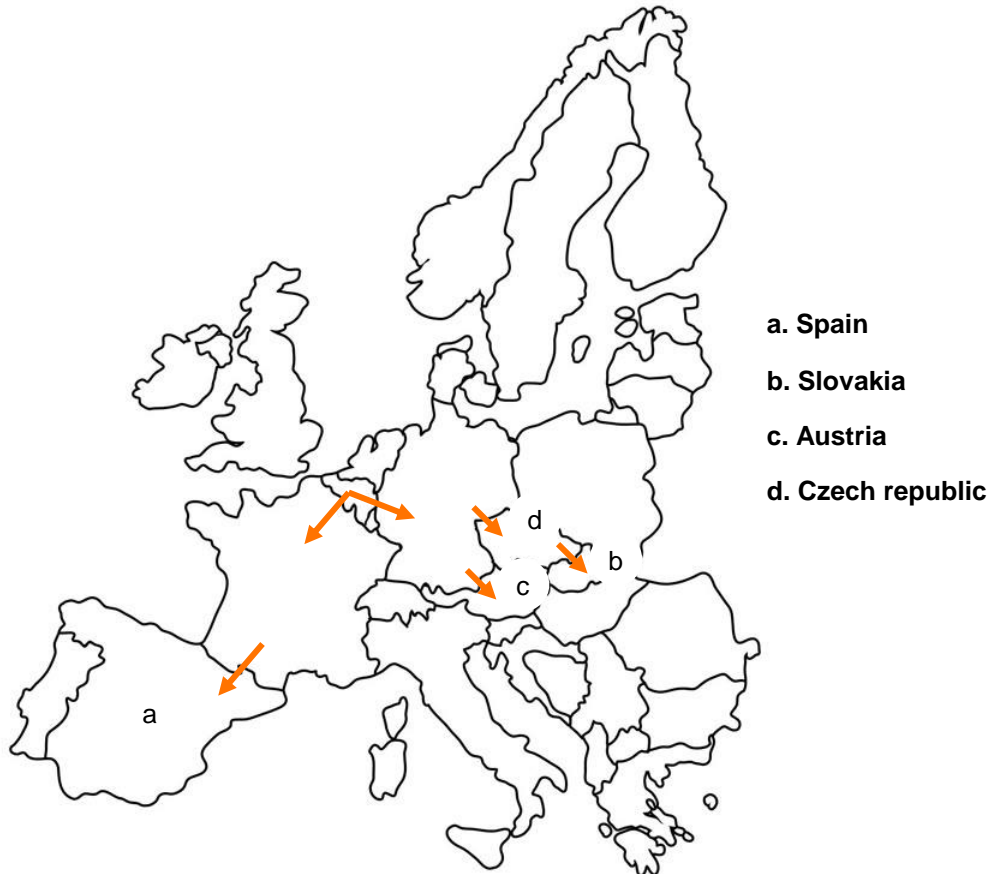
Our resilience to  
frequency events is  
enhanced

Notwithstanding generally rather limited available XB capacities, during several QHs with available export capacity and downward mFRR needs in Belgium, the first benefits of the connection to the MARI platform materialized in terms of reduced balancing costs and increased resilience

# While in general available XB capacity has been rather limited, it already allowed for some exchanges through the MARI platform

Example: local negative price of -160 €/MWh avoided on 4 June  
11h45-12h00

1. Elia had a downwards demand of 255MW
2. 8MW were activated locally, 247MW the rest in 4 other countries
3. the mFRR CBMP was -45 €/MWh (instead of -160€/MWh)



**The liquidity available via MARI is multiple times what is needed by all connected TSOs**

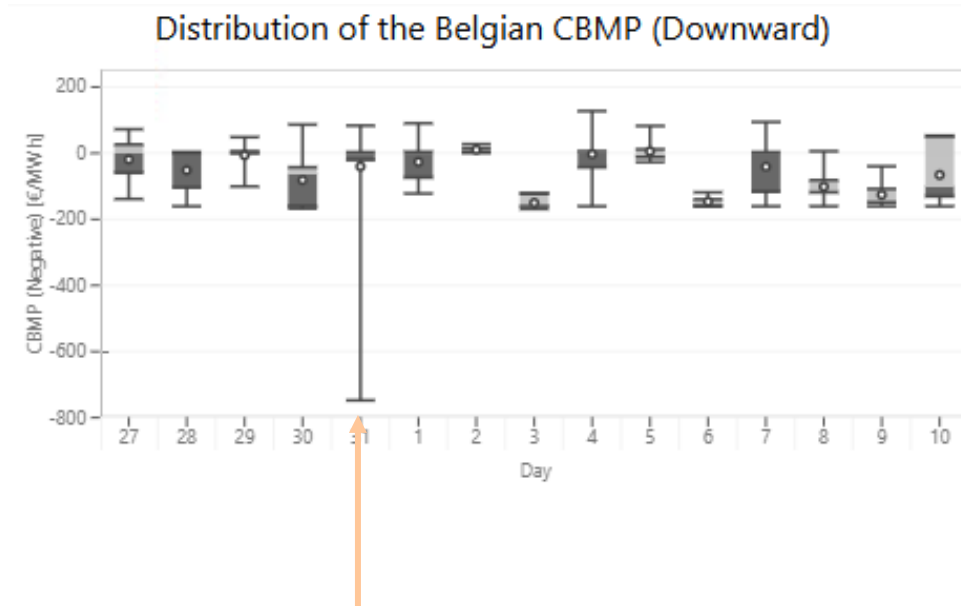
For BE, the following paths are particularly relevant:

- Elia ⇔ Germany
  - directly via AMP
  - indirectly via RTE
- Elia ⇔ France ⇔ Spain

The ATC between France and Spain are the most constraining

**Higher CBCL would allow to tap even more into cheap(er) bids on the MARI platform**

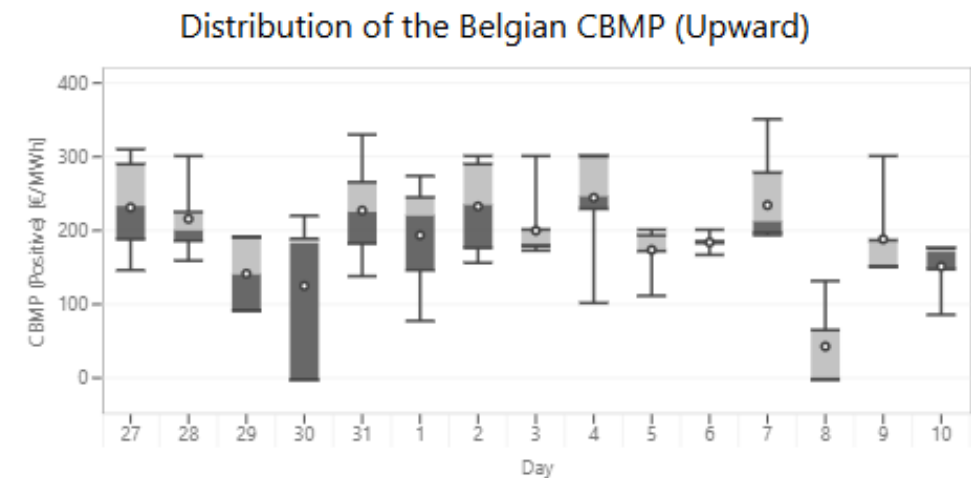
# CBMP for downwards activations shows limited volatility when there is ATC available



The -750€/MWh price on 31May occurred when there was no ATC with France and only 20MW ATC export towards Germany

Reference 1st Feb to 20th of May 2025:

- range mFRR clearing price down : -999 to 119 €/MWh
- average mFRR clearing price down: -169€/MWh

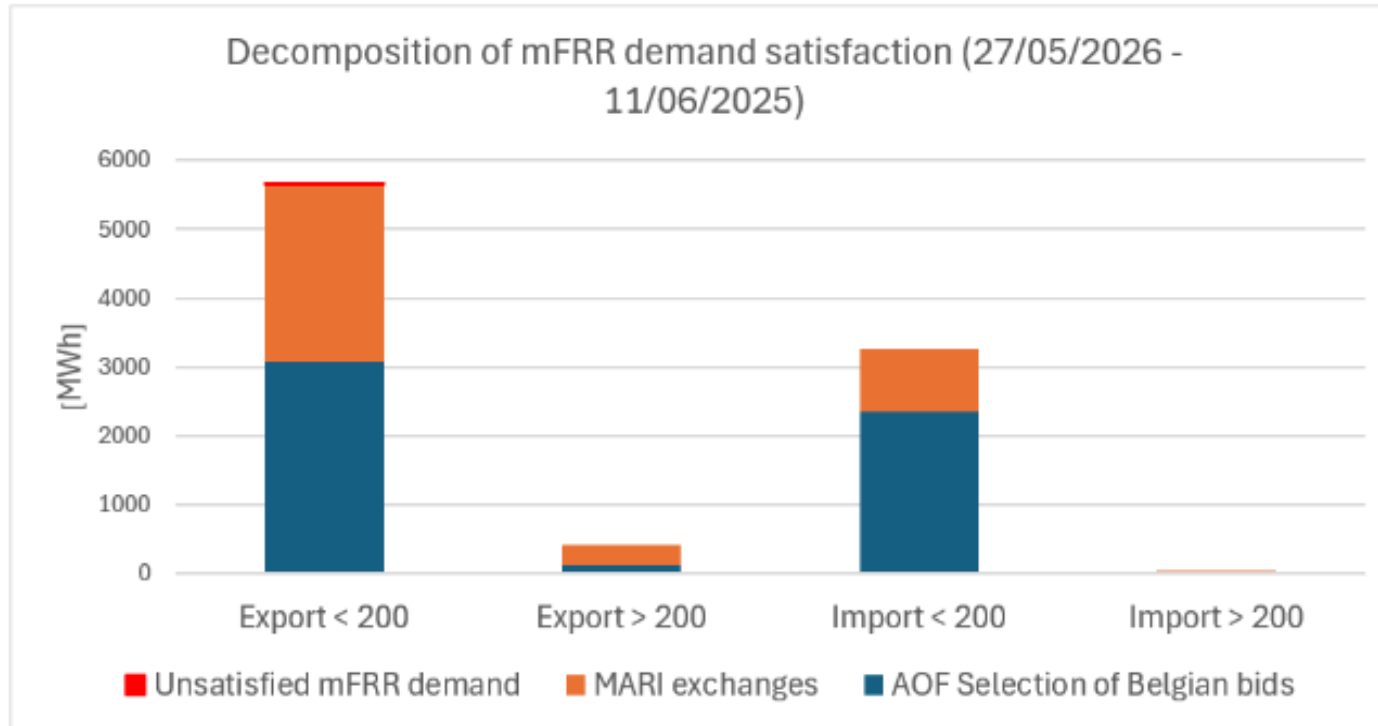


CBMP for upwards activations are within the same range as during the 3 months prior to the connection

Reference 1st Feb to 20th of May 2025:

- range mFRR clearing price up : 45 to 929€/MWh
- average mFRR clearing price up: 246€/MWh

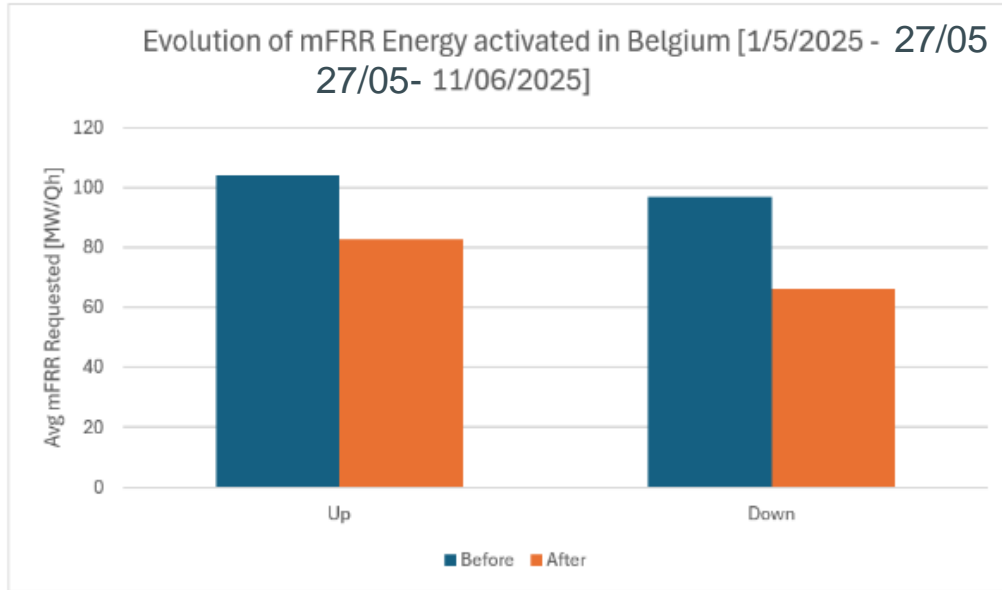
## A significant part of our balancing energy needs is still satisfied locally



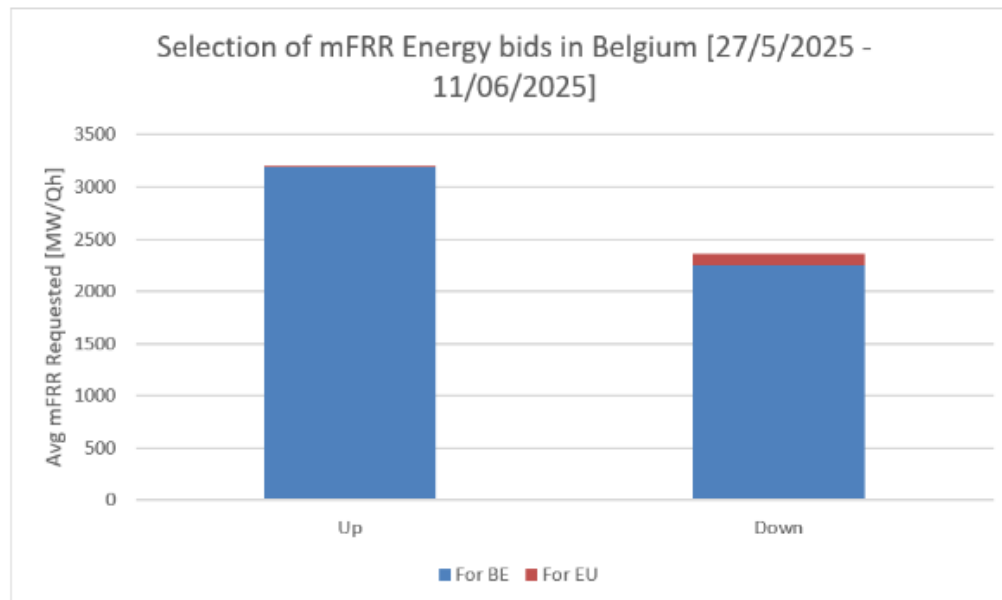
There is very limited unsatisfied demand

The vast majority of the time, ATC are limited to less than 200MW

# Selection and activation of Belgian mFRR Energy Bids

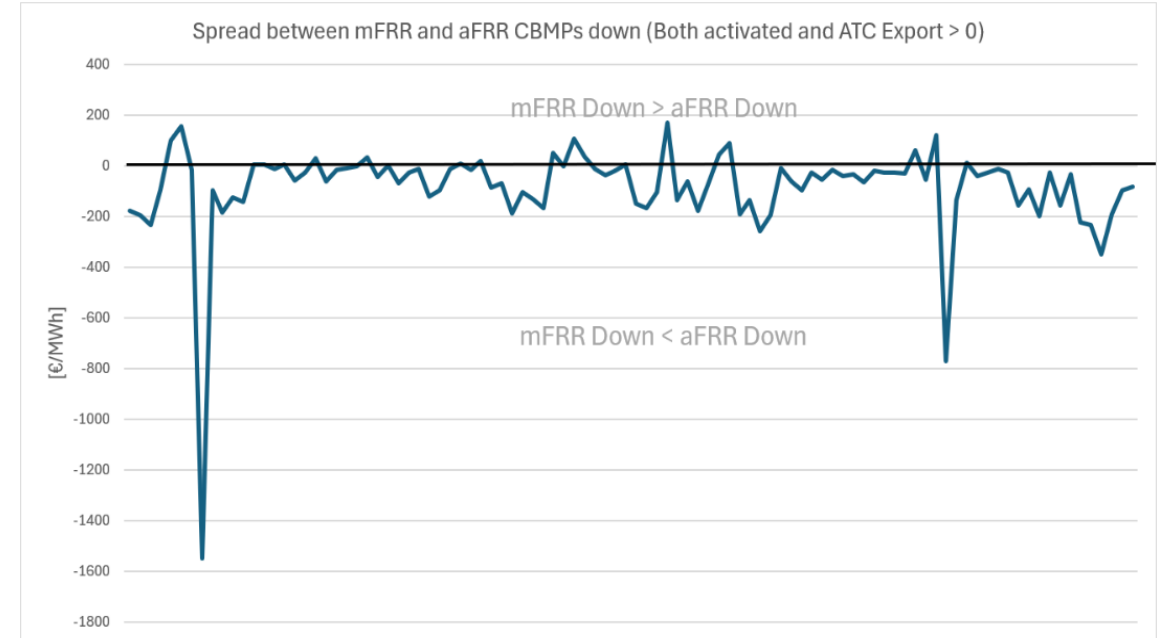
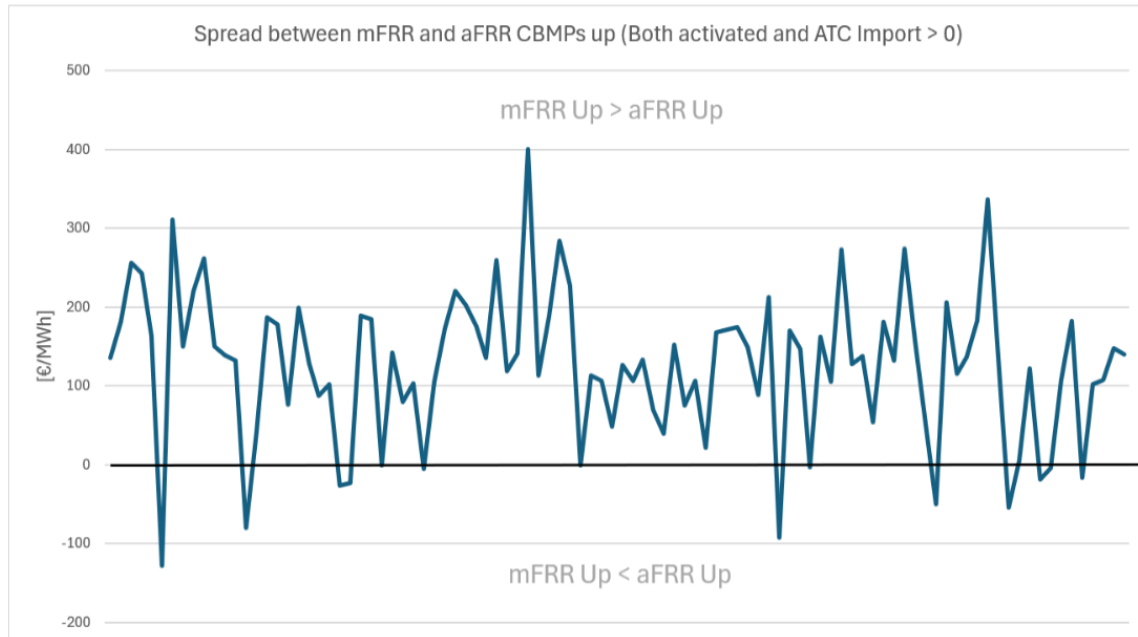


A 20% decrease is observed in the volume of upwards activation of mFRR Energy Bids in Belgium



There is limited contribution of BE to the satisfaction of other countries' demand.

## Spread when both aFRR and mFRR products are activated and ATC > 0 MW



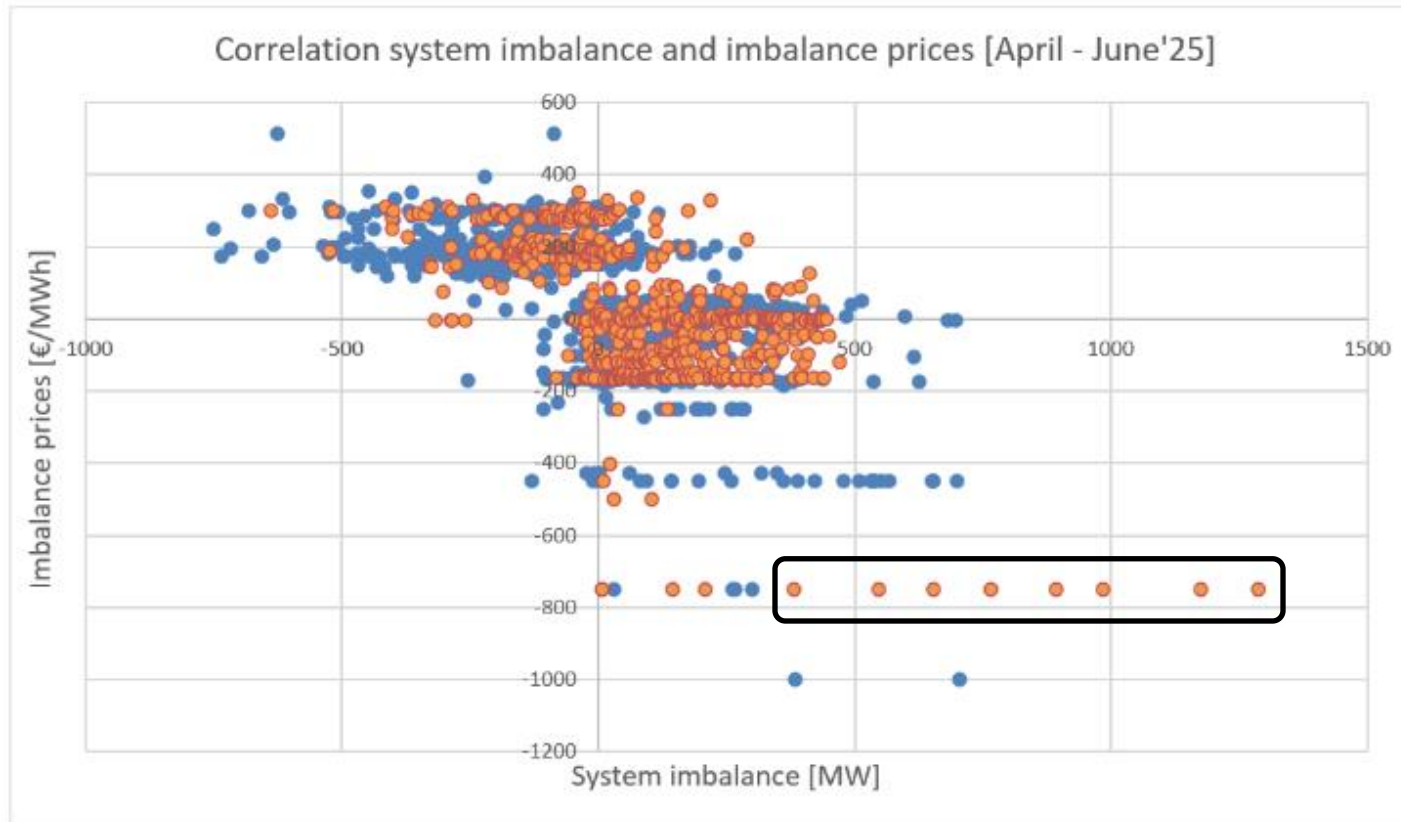
Most of the time, aFRR remains cheaper than mFRR

It can be partly explained by the fact that different technologies may be used to deliver aFRR versus mFRR services

mFRR has access first to the available ATC



# Impact on imbalance price formation – imbalance price



This slide shows the imbalance price occurrences driven by the mFRR component

In up (negative imbalance), there is no clear trend yet

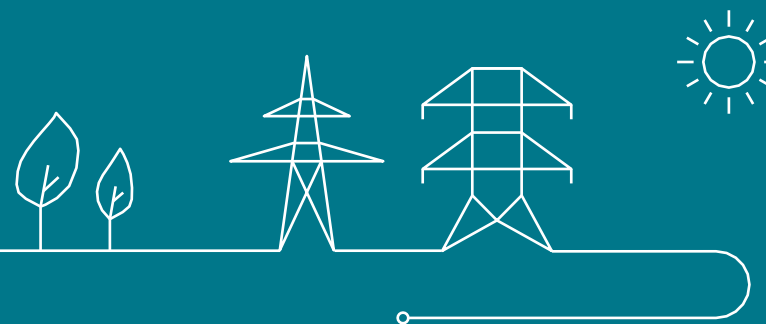
← In down (positive imbalance), prices of -750€/MWh still occurred when there was no possibility to exchange balancing energy (mostly during the isolated/decoupling mode on 21May)

## Summary – connection to MARI- key takeaways

- The connection to MARI is running smoothly
- The connection to MARI already brings value, mostly in the downwards direction, as it helps us:
  - face tense frequency situations
  - avoid very negative prices
- The high liquidity and low bid prices on the platform hint for more potential
- Benefits of the connection are of course conditional on the availability of ATC on the different borders
- Balancing costs remain for the moment globally within the same range as before the connection
- Belgian BSPs remain significantly activated, but almost exclusively for Belgian needs
- It is still too early to derive structural conclusions

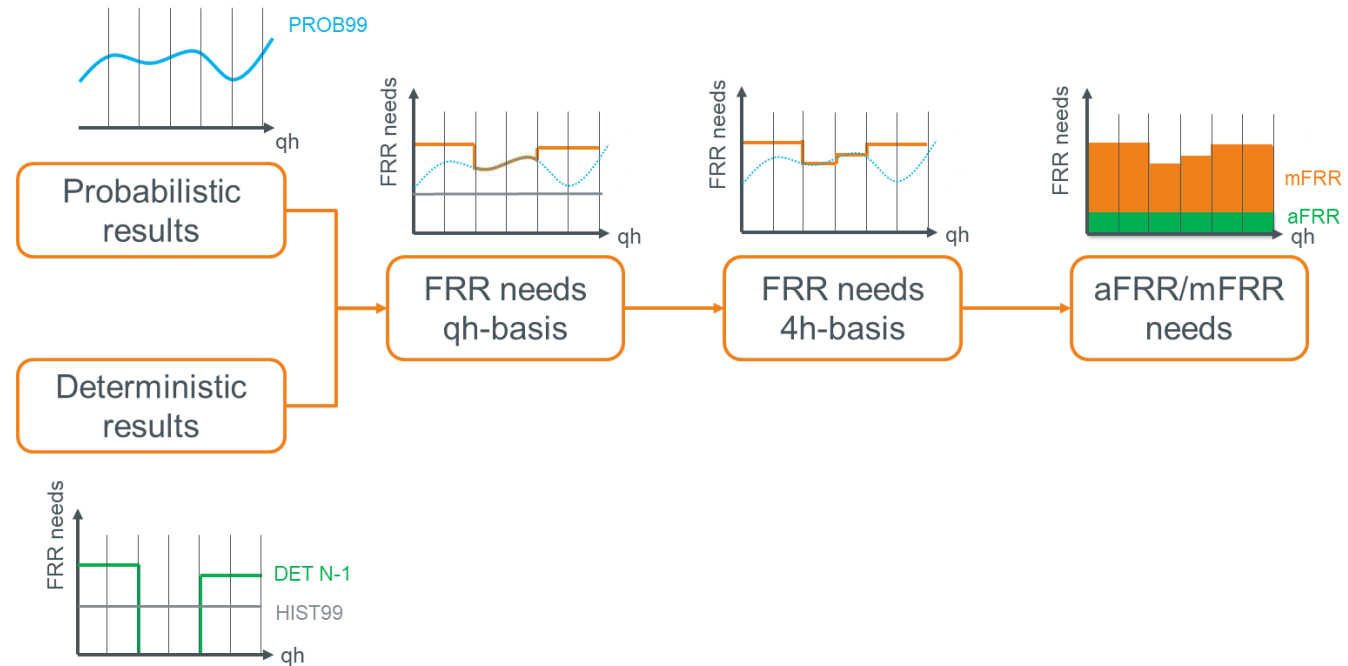


# FRR needs and means 2024



# RECAP - Dynamic FRR dimensioning methodology

- FRR reserve capacity is determined based on a probabilistic methodology in line with Article 157(2)b of the SOGL covering 99.0% of the LFC block imbalance risks
- It takes into account two deterministic thresholds:
  - Always larger than the dimensioning incident in line with Article 157(2)e and Article 157(2)f
  - Always covering 99.0% of historic LFC block imbalances in line with Article 157(2)h and Article 157(2)i
- The methodology is specified in the LFC block operational agreement and its explanatory note ([link](#))



The required positive and negative reserve capacity on FRR is calculated by Elia each day before 7 AM for every period of 4 hours of the next day

# Context and available information

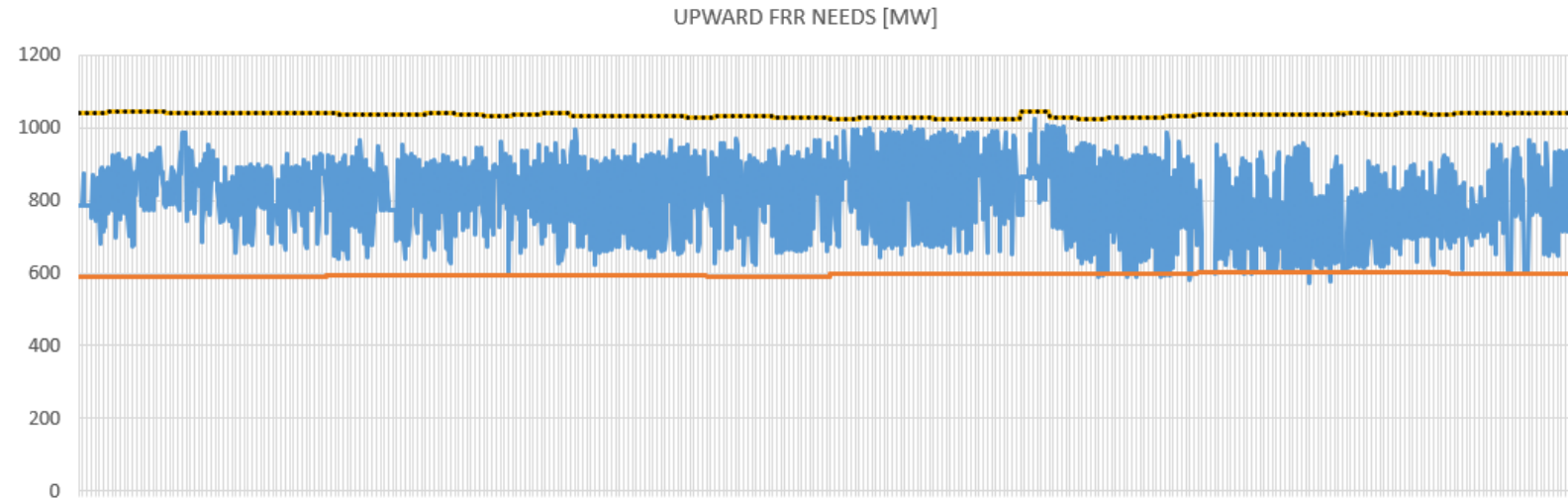
- **Yearly analysis of the FRR needs and means:** assess whether the positive and negative FRR needs have been sufficiently covered by the resources available
  - In line Article 6(7) of the LFC Means ([link](#))
  - Results of the analysis are presented in the Working Group Energy Solutions (cfr. next slides)

**Article 6(7) of the LFC Means** “Elia will carry out a yearly ex-post analysis in the first quarter of each year based on historical data from the precedent year on and assess whether the positive and negative FRR needs have been sufficiently covered by the resources available. For the purposes of this analysis, Elia will compare the results of the positive and negative FRR needs based on the methodology in the LFCBOA and compare this with the available resources”

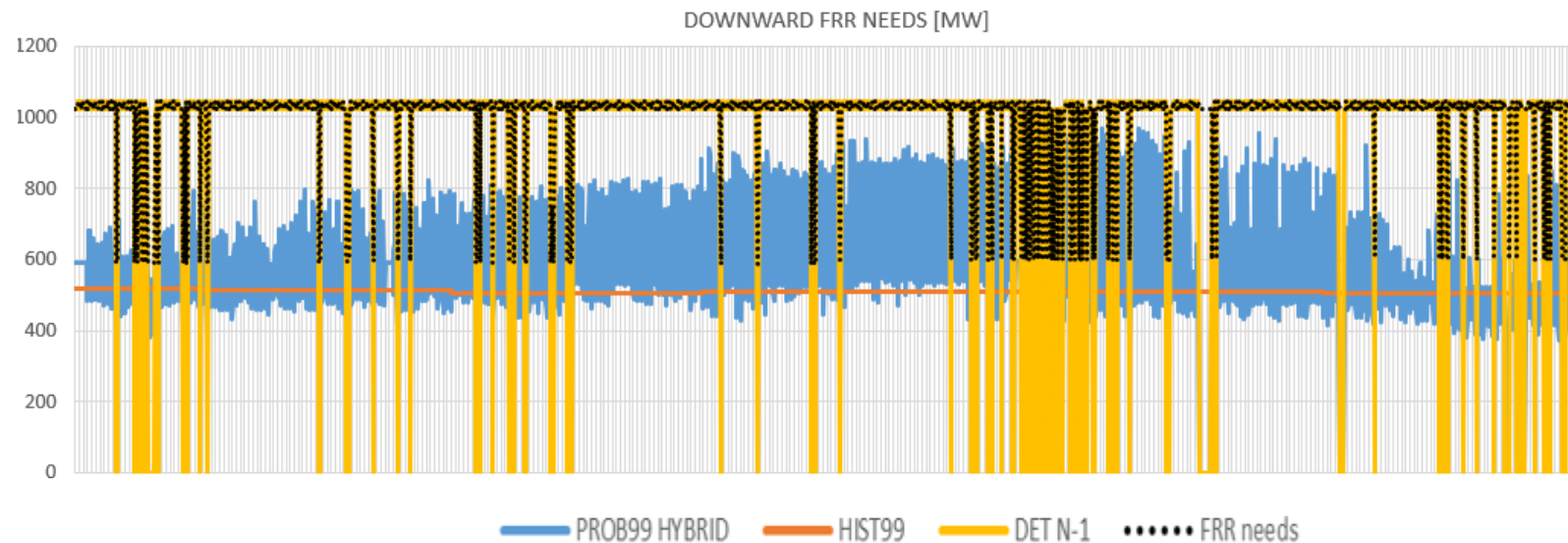
- Available information: Daily publication of the final aFRR and mFRR balancing capacity to be procured

# FRR needs

Upward FRR needs remain set by dimensioning incident (by largest nuclear generation unit)

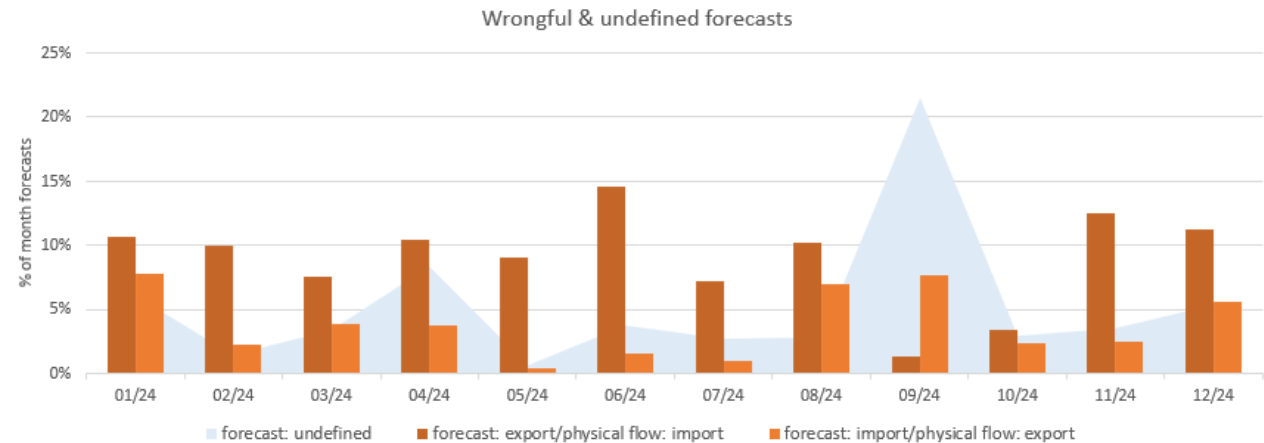
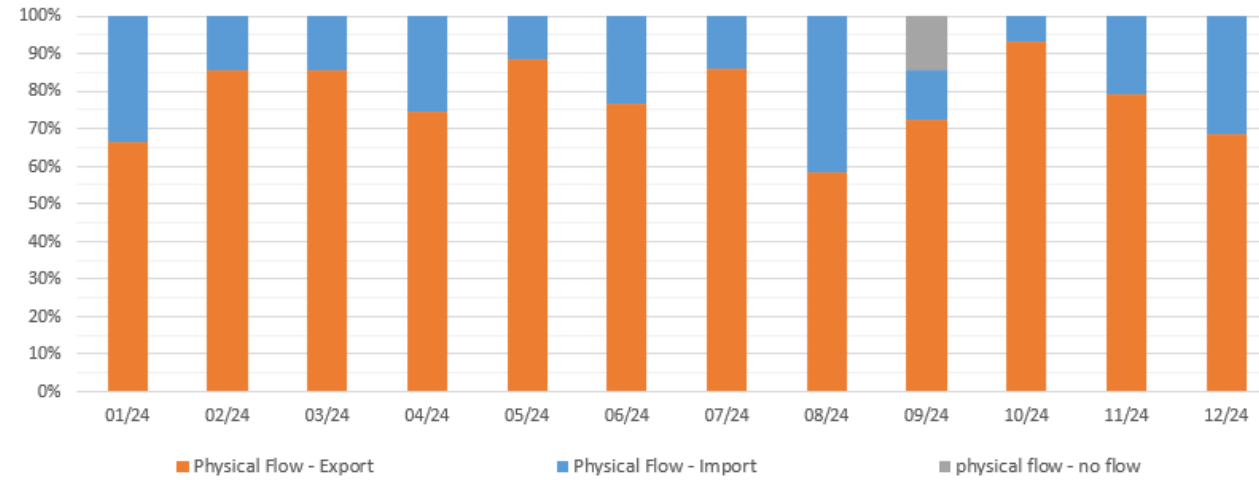


Downward FRR needs are predominantly (> 92%) determined by dimensioning incident (HVDC BE-UK interconnector in export)



# Nemo Link

1. The informative forecasts, i.e. a forecast where Nemo Link is not predicted as “undefined” **remains stable at ~95%**
2. The wrong forecasts, i.e. situations where Nemo Link is predicted in import but observed in export or vice versa have also **decreased to 13%** (from 16% and 28% in the previous reporting periods)
3. An **increase of frequency of physical export flows is observed** (78% of time compared to 69% of time in the previous reporting period). This **translates into an increase of the average downward FRR needs.**



## Needs versus available means

Reporting Period	2021	2022	2023	2024
FRR means > FRR needs	99,9%	99,8%	99,9%	99.5%
FRR means > SI	100%	99,99%	100%	100%
FRR needs > SI	99,99%	99,99%	99,99%	99.99%

### The upward FRR means:

- were in almost all moments **sufficient to cover the FRR needs**;
- were > 99,99% of time **sufficient to cover negative system imbalances**

Reporting Period	2021	2022	2023	2024
FRR means > FRR needs	97,7%	98,8%	99,5%	93,2%
FRR means > SI	100% (rounded)	99,99%	99.99%	99.96%
FRR needs > SI	99,93%	99,42%	99,87%	99.80%

### The downward FRR means:

- were in 2024 and based on the assumptions considered **not always sufficient to cover the FRR needs**
- were almost always **sufficient to cover the positive system imbalances** (99,96% of time)

The observed **deterioration of the frequency where the FRR needs are not covered by the FRR means can be mainly attributed to:**

- An **increase of the downward FRR needs** due to the increase in the frequency Belgium is exporting over NEMO Link (see before)
- A **decrease in the volumes of FRR energy bids following the transition from implicit to explicit bidding for mFRR**
  - Loss of volumes due to strict limitation to volumes effectively activable within the quarter hour following the local mFRR go-live (22<sup>nd</sup> of May 2024)
- **Significant unavailabilities of pumped-storage plants**

## Needs versus available means

The results of the analysis (in particular for the downward direction) confirms the importance of:

- the action plan incompressibility (as presented in the WG Energy Solutions of 26<sup>th</sup> of November 2024), including an analysis on the possible procurement of additional downward FRR and on a possible extension of the bidding obligation
- The fine-tuning of the system balance philosophy, including initiatives that should contribute to incentivize explicit participation for flexibility that can participate to explicit products, as presented in the WG Energy Solutions of the 4<sup>th</sup> of April 2025)
- The importance of clarifying and respecting the bidding obligation
- The last resort technical measures (modulation of PV and wind) that have been put in place

## Contact persons



### **KAM Energy**

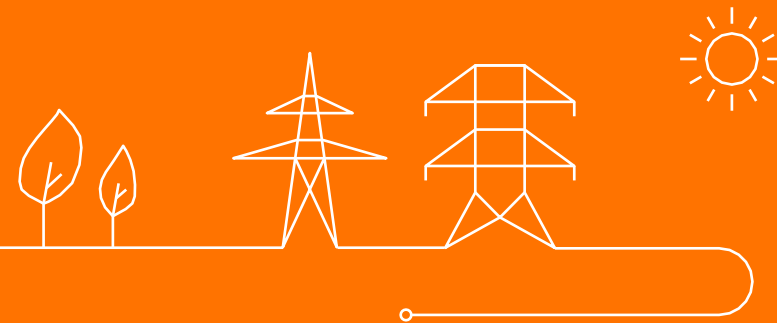
Nicolas Koelman / Sybille Mettens / François Jadoul



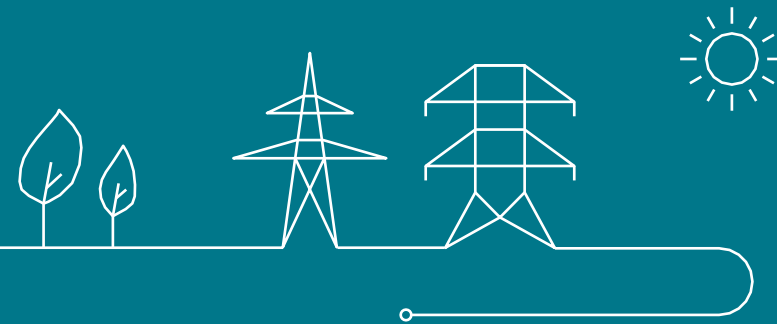


# BSP Faster Settlement incentive status update

Dries De haes



# Incentive Recap



# Scope of incentive 2025 “BSP faster settlement & invoicing”

*final decision CREG October 2024*

- **Faster processes for the 4 types of settlement reporting for FCR, aFRR and mFRR**
  - Remuneration of awarded capacity
  - Remuneration of activations (*not applicable for FCR*)
  - Penalties for availability/obligation control
  - Penalties for activations control
- **Proposed improvements**
  - An accelerated calculation and provision of the settlement reportings to the BSP (at the latest end M+1)
  - The publication of the settlement reportings and invoices on a unique communication platform (= EPIC)
  - The switch from traditional billing process to a self-billing process (i.e. self-bills for remuneration and invoices for penalties)
- **Deliverables**
  - **Part 1** : after discussion with BSPs, the following should be provided to CREG by 30.06.2025 :
    - Reports/MoM from meetings with BSPs
    - Implementation plan of 4 types of settlement reporting for FCR, aFRR and mFRR in the go-live window
  - **Part 2** : a go-live window between mid 2025 and mid 2026
    - with at least the go-live of the settlement reporting for remunerations of awarded capacity and activations in Q4/2025

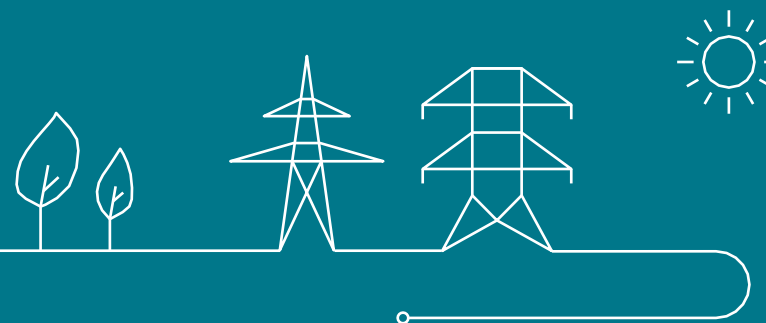
# Scope of incentive 2025 “BSP faster settlement”

*final decision CREG October 2024*



	FCR	aFRR	mFRR
Remuneration awarded capacity	< 31/12/2025	< 31/12/2025	< 31/12/2025
Remuneration Activations	n/a	< 31/12/2025	< 31/12/2025
Obligation Control	< 30/06/2026	< 30/06/2026	< 30/06/2026
Activation Control	< 30/06/2026	< 30/06/2026	< 30/06/2026

# Implementation Plan



# Implementation Plan

## 1. Settlement Reporting

Goal = Faster publication of the settlement reporting

- New deadlines: end of M+1\*
- Automating and digitizing several internal processes

## 2. Publication process

Goal = Centralised reporting, data and communication on a single platform

- Transformation from SettlementUI to EPIC = Unique communication platform for all ELIA customers
- APIs published via TraXes allowing BSPs to create own tooling

## 3. Invoicing process

Goal = set-up self-billing process

- Invoicing on behalf of the BSP = Self-bills
- Credit notes on behalf of the BSP = Self-Bill credit notes
- Elia invoices when payment is due from BSP to Elia
- Generated after approval in EPIC
- Shortened payment date (15 calendar days)

## Final stage: Ticketing Tool

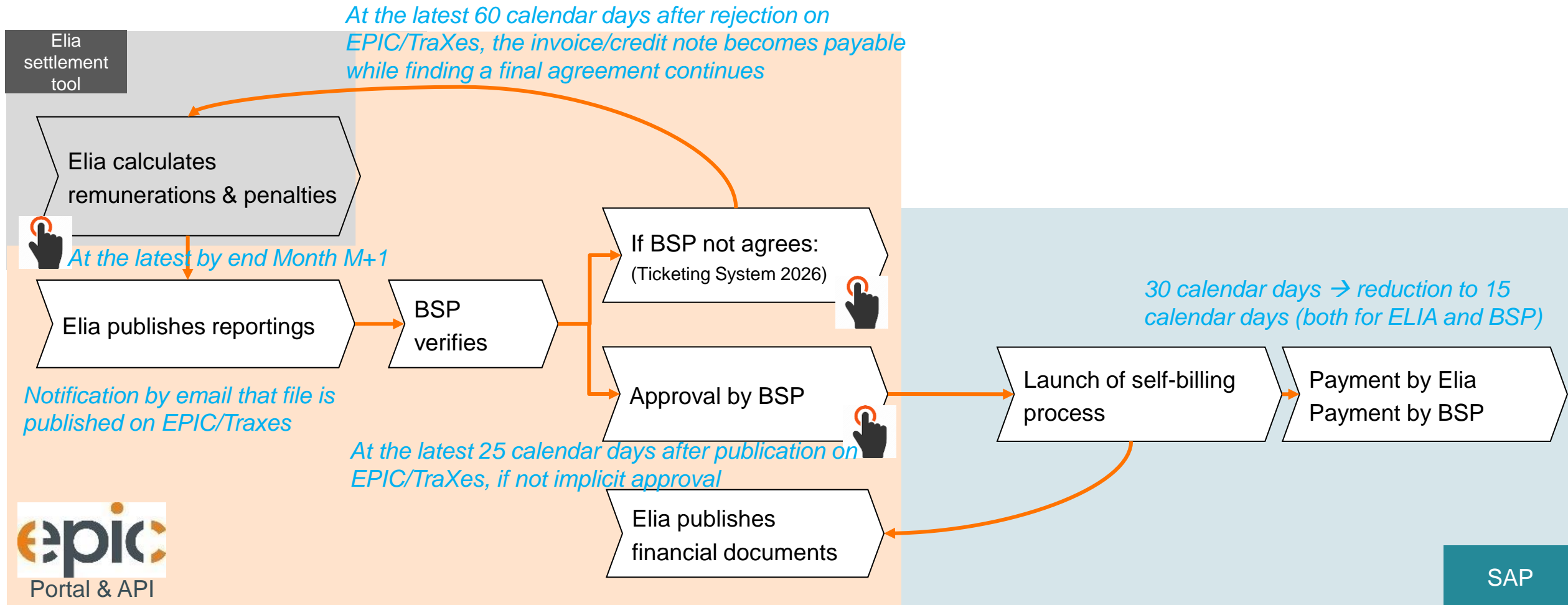
Goal = Smoothen the communication channel

*\* Except (possibly) for mFRR LV delivery points in case of late data validations on DSO side*



# BSP Faster Settlement and invoicing

## >> proposed timings in T&C to accelerate the overall process



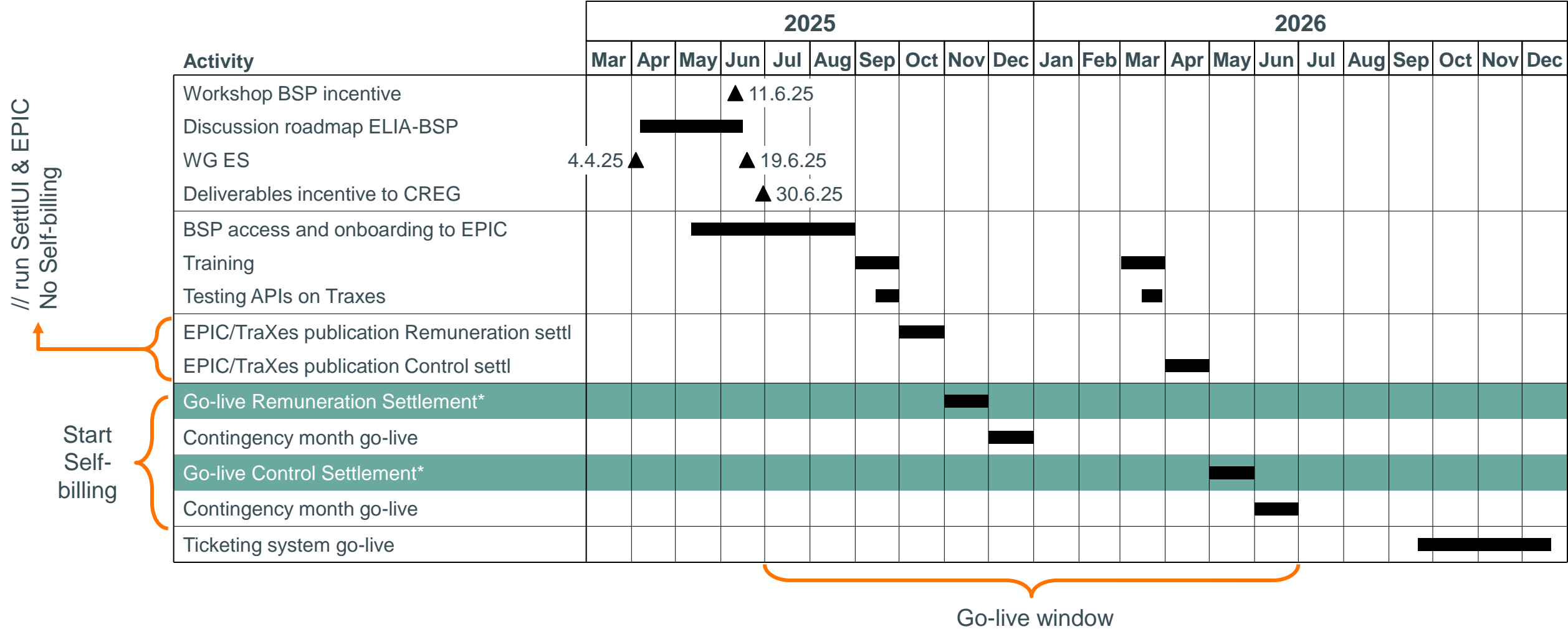
## Implementation plan : Next steps

1. Review implementation plan after feedback
2. Send implementation plan to the CREG before 30/06/2025





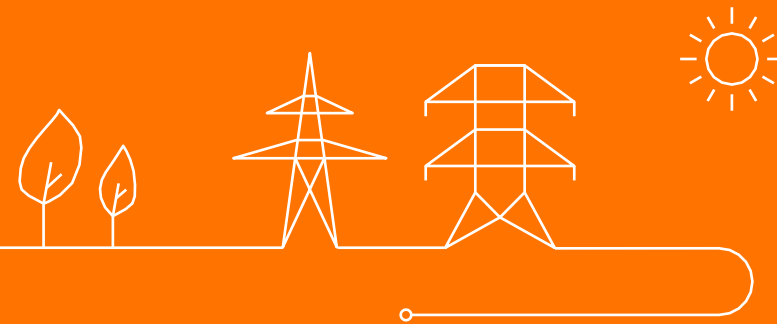
# Roadmap



\* Go-live in the month of November means “settlement month of November 2025” for “delivery month of October 2025”

# CREG decision on the T&C BSP FCR & FCR Evolutions implementation plan

Raf Gheuens



# Entry-into-force of T&C BSP FCR



## T&C BSP FCR

The amendments to the T&C BSP FCR were submitted to the CREG on 17<sup>th</sup> of December 2024 and contained the following topics:

- Amendments regarding the **Additional Properties**:
  - Derogation
  - Reserve Mode
  - System Split Requirements
- Amendments regarding **third-party data providers**

On the 15<sup>th</sup> of May, these amendments were approved by CREG, with an entry into force of the new T&C BSP FCR on the 18<sup>th</sup> of June 2025.



# Impact of the entry into force of the new T&C BSP FCR

## 1. Signature of the new BSP Contract FCR

- This **contract** will have to be **signed** in the coming weeks

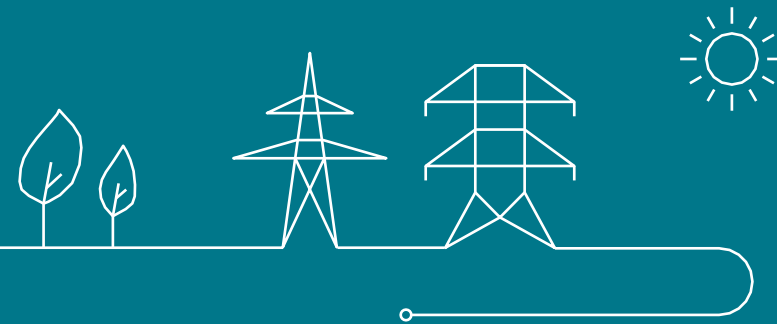
## 2. Reserve Mode

- All Providing Units or Groups that include Delivery Points with Limited Energy Reservoirs prequalified after **21/01/2023** should implement Reserve Mode
- BSPs that implement Reserve Mode, should present Elia with the Reserve Mode Simulation as described in Annex 6 of the T&C BSP FCR
- BSP can request a derogation to the implementation of Reserve Mode until **18th of September**

## 3. System Split Requirements

- BSPs need to present documented System Split countermeasures to Elia

# FCR Evolutions planning



# Timing

## FCR Evolutions

FCR Evolutions follows a two-part trajectory:

- Part 1: Additional properties and data exchange with third parties – **Entry-into-force 18<sup>th</sup> of June**
- Part 2: Continuous Monitoring & Activation Control – **Public consultation ongoing until 30<sup>th</sup> of June**

Part 2 is scheduled for go-live Q1 2026 to foresee enough time for implementation & testing, dependent on the development of the necessary IT Systems and approval of the amendments to the T&C BSP FCR.

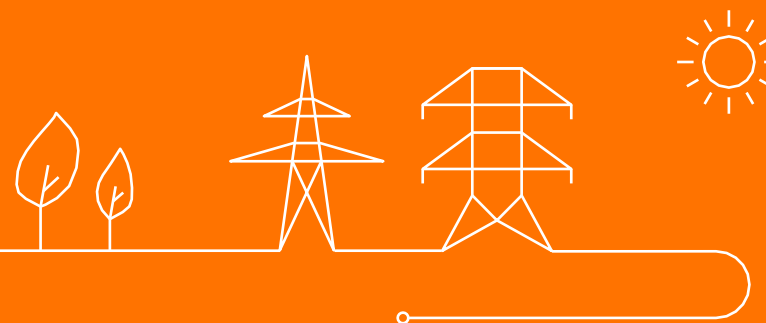
## Migration from BMAP to BIPLE

The migration is foreseen for Q1 2026, dependent on the development of the necessary IT Systems.

Testing will be foreseen, with the aim of having available a technical guide by Q4 2025 and demo by end of year 2025.

# Evolution of the Working Group

Simon Serrarens





## Evolution of the WG ES

- The current format of the WG ES is the result of merging the WG BAL & AS and WG CCMD
- Elia has received feedback from the market parties:
  - Sessions are long
  - Sessions tend to be one way info, with focus on roadmaps
  - Name of the WG is confusing
  - Too little focus on co-creation, limited interaction
  - No/limited opening for topics from the members
  - Target audience not always clear, lack of experts present (operational topics, digitization...)
  - Importance to involve DSOs



## Proposed structure of WG Balancing Design & Solutions

### Plenary session

Plenary session in the morning:

- **Decisions by the WG** on incentives, design proposals etc. Design details will have been discussed in an earlier bi-directional session.
  - Presentation of **roadmaps**
  - **Status** updates on programs
- Slides will be sent upfront with **executive summary and decision points.**

### Lunch

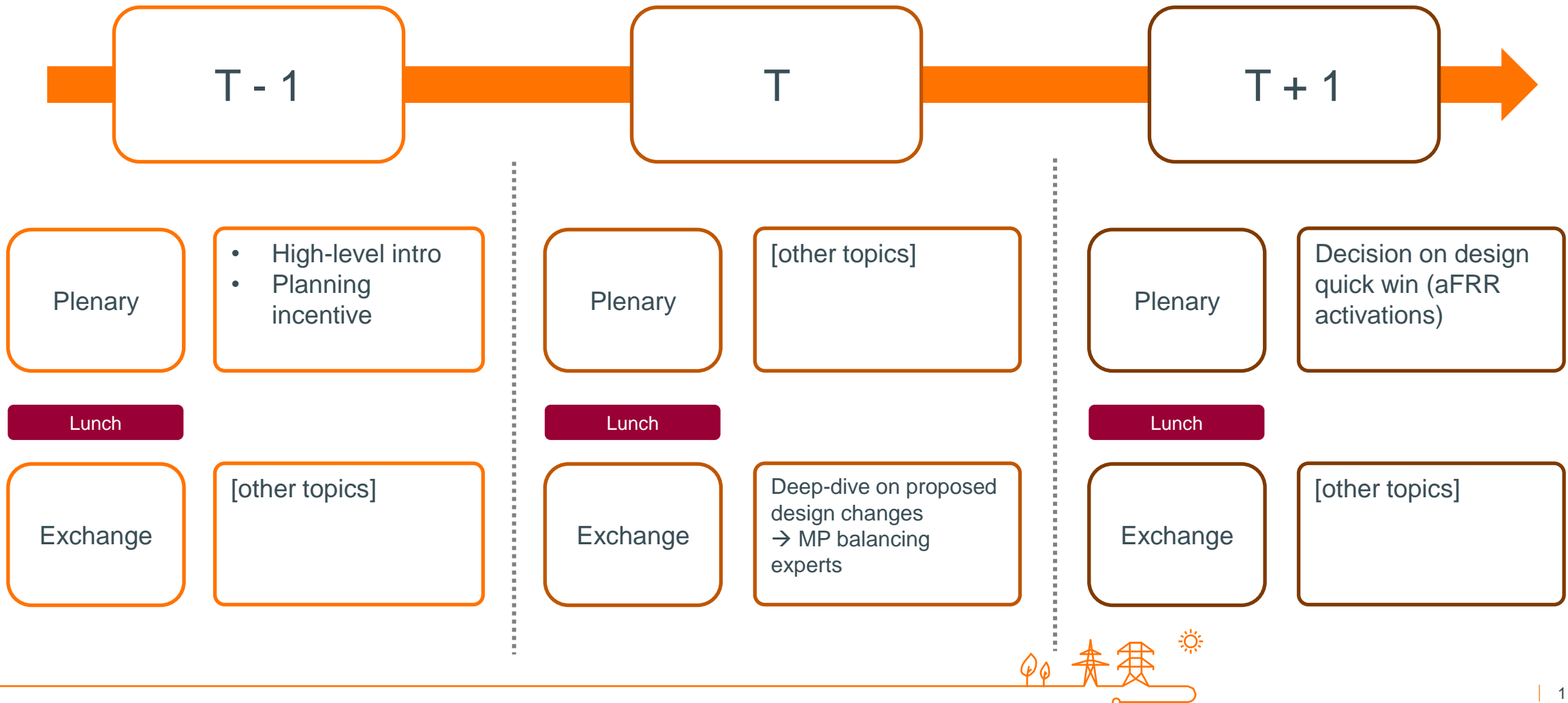
### Exchange session

Afternoon sessions are expert focused and bi-directional:

- **Deep-dive on design** proposals with room for discussion on specifics
  - Details on **implementation** technicalities, financial implications etc.
- Elia will share the **agenda** with an indication of the **relevant expertise required** upfront (e.g. design, IT...). These discussions shape the decision moments in the next plenary session.
- Time for open floor for market parties, federations. Market parties invited to bring topics for discussion, questions etc.



## Illustrative example of the agenda – Incentive economic use of balancing products



## Agenda for upcoming exchange sessions

### Oct 2nd

- System Balance Philosophy – **MPs feedback**
- Progress on the incentive optimization FRR activation strategy (Nov 13th)
- IP evolution – recurrent until end of year
- Intermediate results/reflections on the evolutions aFRR capacity auction design
- ToE CM - VAT
- **[Topic from WG participants]**

### Nov 13

- Progress on the incentive optimization FRR activation strategy (Nov 13th)
- IP evolution – recurrent until end of year
- Intermediate results/reflections on the evolutions aFRR capacity auction design
- **[Topic from WG participants]**

### Dec 18

- IP evolution – recurrent until end of year
- Intermediate results/reflections on the evolutions aFRR capacity auction design
- **[Topic from WG participants]**

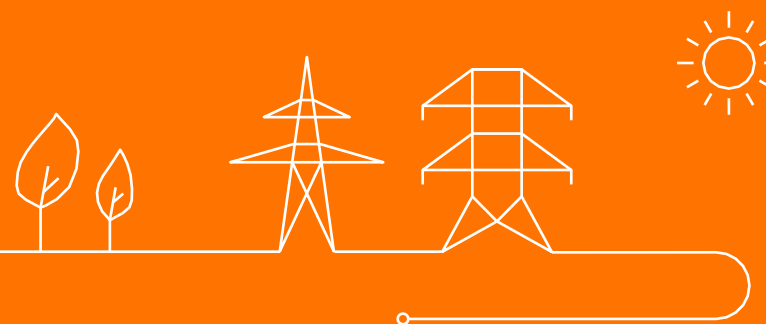
The planning will be kept up to date on a continuous basis.

**Market parties are kindly invited to bring topics they want to present or discuss. If so, please contact your KAM.**



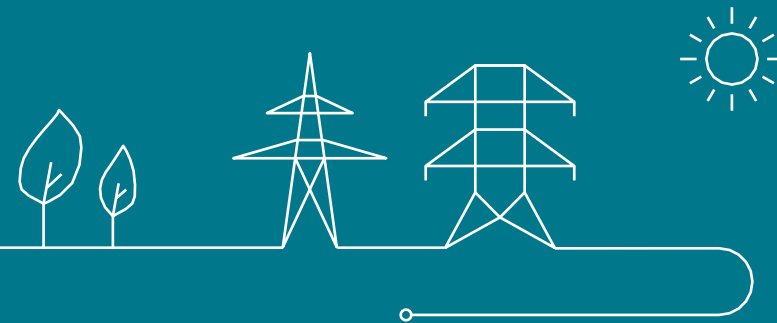
# AOB

Alexandre Torreele



# Incentive on the economic optimization of the use of FRR balancing products

Tanguy Port



As communicated during the dedicated work session of 21<sup>st</sup> May related to the incentive on economic use of balancing products, we suggest to **launch a proof-of-concept** with a new “rule-based” FRR activation strategy to **capture the mFRR activation cost savings** that have been identified in situations of **large ATCs and limited expected SI**



In this context, a **public consultation** on Elia’s proposal of **update of the Balancing rules** was launched on **5th June**

- This proposal intends to provide full transparency on the proof-of-concept that Elia will start, consisting in adapting **its activation strategy** during the current transition period, with the objective to strive reducing the balancing energy activation costs, while respecting some operational constraints
- Opportunity to also propose an **amendment to the high-price mitigation measures for aFRR** when Elia is disconnected from the aFRR-Platform (considering comments made by stakeholders during earlier consultation)
- Duration: **3 weeks** (until 26<sup>th</sup> June)
- Link for more info: [20250605\\_Public consultation on the Proposal for Amendment to the Balancing Rules](#)
- To enhance the topic, Elia is open to have **bilateral sessions** with any interested market parties on the matter



**Launch of the proof-of-concept** foreseen after **fulfillment of following conditions\***

- **Stabilization of the MARI connection**
- **Short-term monitoring after MARI connection confirming the potential savings**
- Approval of the balancing rules’ update by CREG

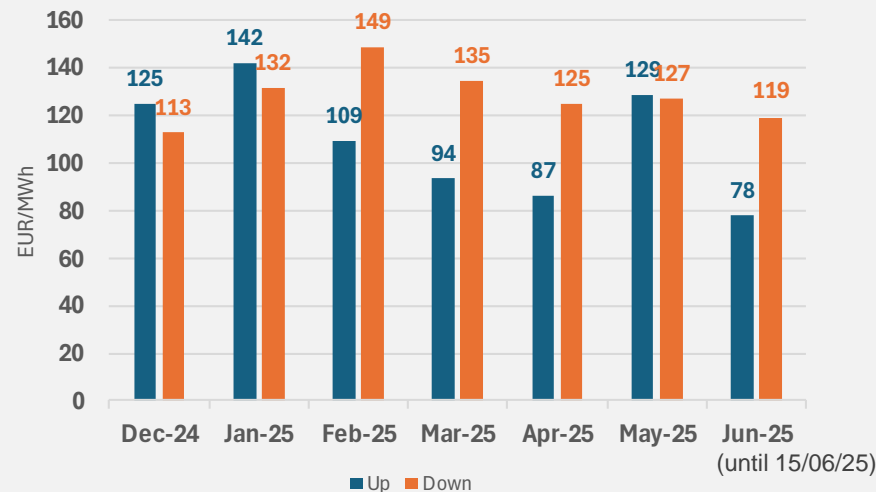


\*The “go-live” of the proof-of-concept will be confirmed a few days in advance by e-mail

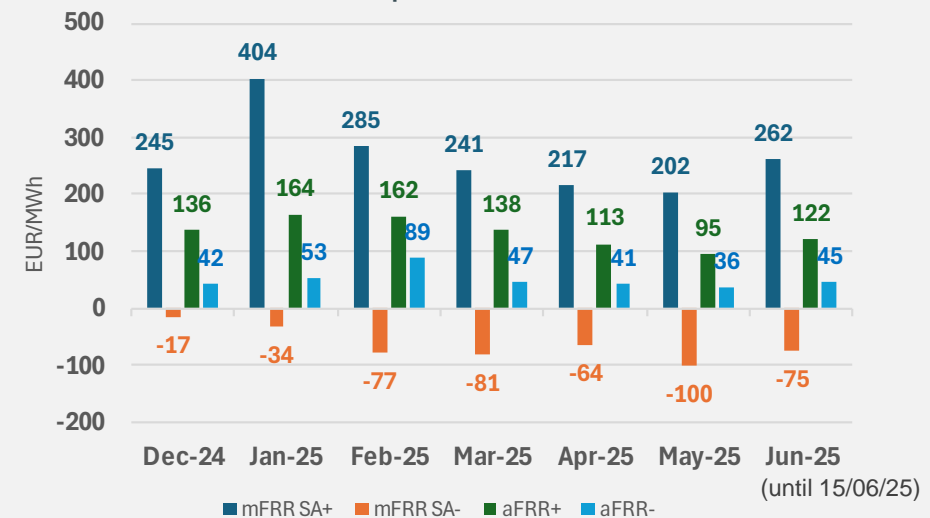
# Incentive on the economic optimization of the use of FRR balancing products

- The **theoretical savings** if **100% aFRR activated instead of mFRR** when there are large ATCs\* amount:  
~ **13 MEUR** over 01/12/24 – 19/05/25 in this theoretical case (**~60% of total mFRR activation costs** over this period)  
(all mFRR volumes are “activated” at aFRR price component - instead of mFRR price component - of the corresponding QH)
- A **significant part** of these theoretical savings can be captured with the **proof-of-concept**
- The **potential** is still **significant after Elia’s connection to MARI**

Average spread between aFRR & mFRR CBMPs  
in moments Elia submitted a mFRR SA demand\*



Average aFRR & mFRR  
activation price evolution\*

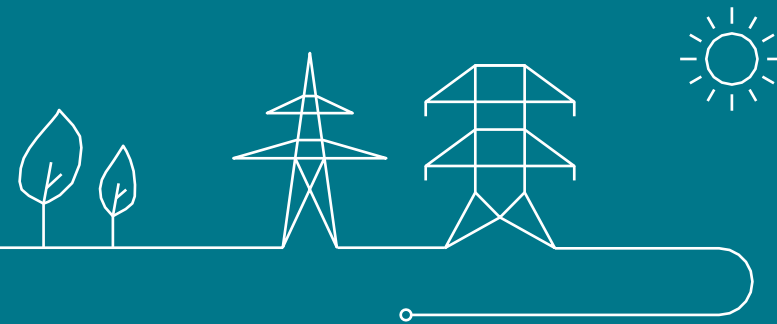


\* Disclaimer: calculations made with imbalance price formula components



# Public Workshop – Barriers to low-voltage explicit balancing

Arnaud Debray



## Public Workshop - Barriers to low-voltage explicit balancing

- On-going incentive study to analyze how to lower the participation barriers to explicit balancing for low-voltage assets.
- In that context, Elia is organizing a dedicated workshop
- We ambition this workshop to be as interactive as possible. We want to give you the word, collect and document your feedbacks.
- It is the occasion to share your pains and help us prioritize our efforts

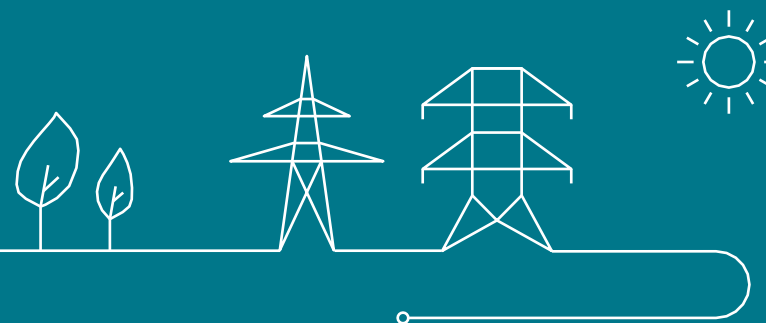
**The workshop will be held on Thursday June 26th, from 13:30 to 15:00  
in a remote modus, via Teams.**

You can register by mail  
or via this QR-code



# Databeheersplan 2026-2036

Alexandre Torreele



# Legal framework (summary)

## Energy Decree (Art. 4.1.19/1)

- Transparent “databeheersplan” for local transmission network
- The “databeheersplan” includes the following elements:
  - Detailed estimation:
    - Of **capacity requirements** of the systems supporting **grid management, electricity supply market, flexibility** based on **future expectations**.
    - Evolving needs for the frequency of **data collection** and **data transmission** and **underlying assumptions**
  - Investment program for system adjustments
    - **Roadmap** for a period of **3 and 10 years**
    - Explanation of the various systems in the **data chains**.
    - Prediction of the **long-term forecasts**
- To be submitted for approval **biennially** to the “Vlaamse Nutsregulator” starting on the **1<sup>st</sup> of October 2025**
- Public consultation: **4<sup>th</sup> of June until the 4<sup>th</sup> of July** (only in Dutch)



## 2025 WG Energy Solutions

- Thursday 06/02/2025 09:00 – 17:00
- Friday 04/04/2025 09:00 – 17:00
- Thursday 19/06/2025 09:00 – 17:00
- Thursday **02/10/2025** 09:00 – 17:00
- Thursday 13/11/2025 09:00 – 17:00
- Thursday 18/12/2025 09:00 – 17:00

