Plenary Meeting

of the Elia Users' Group

Maart 2025

Agenda

1. **Goedkeuring verslag 25/11/2024**
2. **Princess Elisabeth Zone**
3. **Aanbeveling “oproep tot harmonisatie”**
4. **Hosting Capacity Map**
5. **T/DSO koppelpunten**
6. **Federaal ontwikkelingsplan**
   - 6.1 Proces & wijzigingen ten opzichte van vorig dossier
   - 6.2 Oprichting taskforces
7. **Consultatie Databeheersplan**
8. **Feedback Werkgroepen**
9. **AOB**

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Princess Elisabeth Island Update

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Aanbeveling “oproep tot harmonisatie”

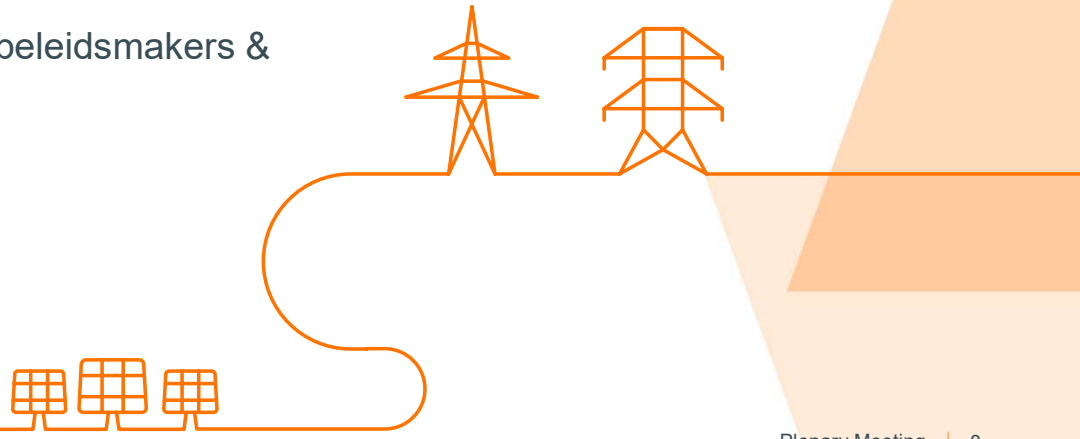
Users’ Group
14/03/2025

Aanbeveling

- Eerst besproken: plenaire vergadering van 25/11/2024
- Draft voorstel verzonden voor feedback: 28/02/2025
- Deadline feedback: 11/03/2025
  - Enkele aanpassingen doorgevoerd naar aanleiding van ontvangen feedback – zie track changes
- Na goedkeuring: verzending naar regulatoren en beleidsmakers & publicatie op website van Elia

NL

Microsoft Word Document



Thank you.

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Hosting Capacity Map (HCM)

2025 update

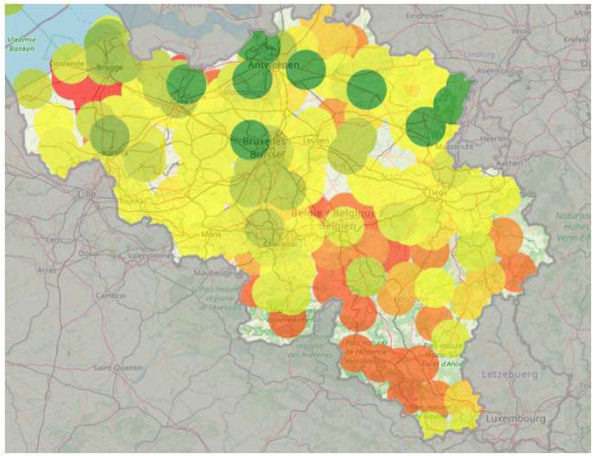
Users Group
14/03/2025

The HCM as a tool to proactively assist (future) grid users in the context of the energy transition.

The hosting capacity map gives a:

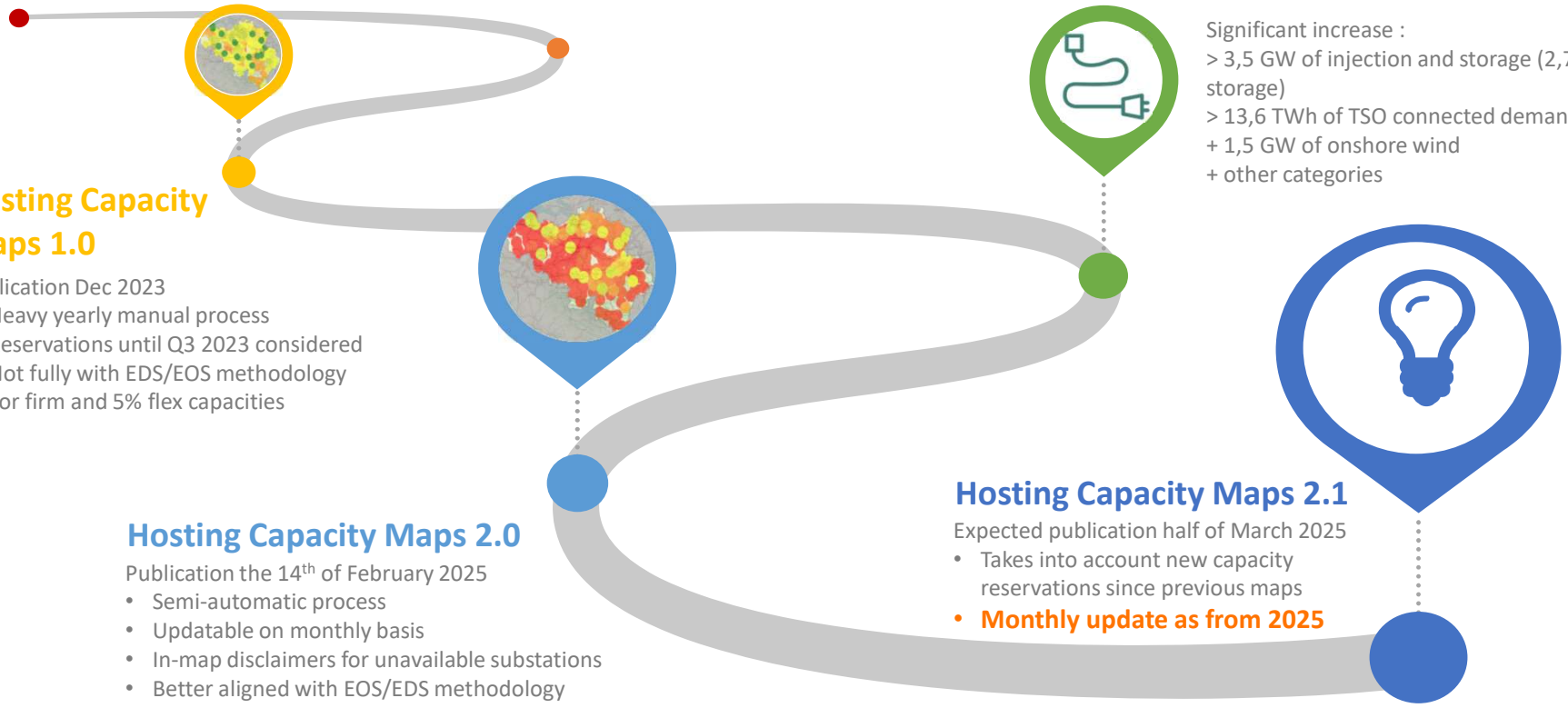
- **geo-overview** (per substation or per zone impacted by a substation),
- for a given **target year**,
- for a given **type of grid user** (load, generation, storage),
- for a **given flexibility level**. This refers to the maximum percentage of yearly energy curtailment allowed, relative to the yearly total generated or consumed energy, and
- for a set of **underlying assumptions** (planned infrastructure, evolution of other grid users (and already reserved/allocated grid capacity), market coupling, connection criteria, …)

of **how many additional MW** consumption or production, **at one location at a time**, respecting planning and operational criteria, could be hosted **without additional grid investments**, and without considering specific constraints such as short-circuit currents, voltage and spatial constraints.



The HCM does not replace the official connection process.

This first update of the HCM comes with significant improvements for (future) grid users.



Hosting Capacity Maps 1.0

Publication Dec 2023

- Heavy yearly manual process
- Reservations until Q3 2023 considered
- Not fully with EDS/EOS methodology
- For firm and 5% flex capacities

Hosting Capacity Maps 2.0

Publication the 14th of February 2025

- Semi-automatic process
- Updatable on monthly basis
- In-map disclaimers for unavailable substations
- Better aligned with EOS/EDS methodology
- **For firm, 5%, 10% & 20% flex capacities**

Capacity reserved & allocated in 2024

Significant increase :
> 3,5 GW of injection and storage (2,7 for large storage)
> 13,6 TWh of TSO connected demand
+ 1,5 GW of onshore wind
+ other categories

Hosting Capacity Maps 2.1

Expected publication half of March 2025

- Takes into account new capacity reservations since previous maps
- **Monthly update as from 2025**

The HCM includes a significant number of Additional Capacities on top of the existing capacities.

Demand

+58,5 TWh
increase towards 2034

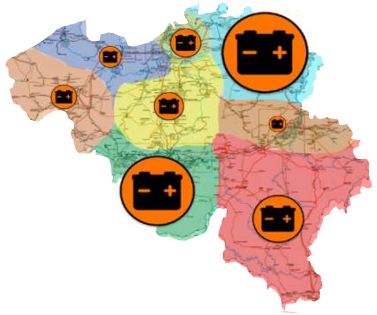
*Total of **139 TWh***

Onshore wind

+3,4 GW
increase towards 2034

Total of 6,9 GW

Storage



+5,5 GW
increase towards 2034

*Total of **5,9 GW***

ADDITIONAL CAPACITIES are the sum of:

- Reserved capacities – Upon connection request
- Allocated capacities – Upon connection contract signature
- Pre-reserved capacities – Capacity "reserved" in the grid studies to anticipate for electrification needs identified in the scenarios at TSO (incl. industrial dev & Wind) & DSO level (incl. EV, HP, PV)

HOSTING CAPACITY
Capacity available for new connections or increase of existing connections, after due account of currently installed capacities and "ADDITIONAL CAPACITIES"

These additional capacities overshoot, for some technologies, the anticipated capacities in the Scenarios used for Grid Development. The remaining hosting capacity is therefore limited.

With 139 TWh of existing, reserved, allocated and anticipated demand (EV & HP at lower voltages), **more connection capacity than mandated for grid reinforcement until 2034** (i.e. 129,4TWh) in the development plans has been granted (including flexible connections).

With 5,9 GW of **large-scale batteries** reserved or allocated, **significantly more connection capacity than mandated for grid reinforcement until 2034** (3,3 GW) in the development plans has been granted.

Reservations/allocations for **wind and solar** are **below the anticipated values**, but the potential is duly pre-reserved in the calculation for the HCM ensuring Belgium to be on track to reach the 2034 energy mix ambitions.

	NATIONAL TOTAL			
	Capacities already considered for the determination of the HCM			
	(1) Additional capacities taken into account in HCM up to 2034	(2) Current installed capacities (Dec. 2024)	(1) + (2)	Prospection AdeqFlex 24-34 target 2034 (Central Scenario)
DEMAND FACILITIES	42,6 TWh *+2,1 TWh of pre-reserved capacities growth potential* *+ 13,8 TWh of pre-reserved capacities for electric vehicles & Heat-Pumps*	80,5 TWh	**139 TWh** (>100% of scenario)	129,4 TWh
LARGE SCALE BATTERIES	5,5 GW	0,4 GW	**5,9 GW** (179% of scenario)	3,3 GW
ONSHORE WIND	2,1 GW *+ 1,3 GW pre-reserved capacities growth potential*	3,5 GW	**6,9 GW**	6,9 GW
SOLAR	1,5 GW *+ 5,9 GW of pre-reserved capacities growth potential*	10,6 GW	**18 GW**	18 GW

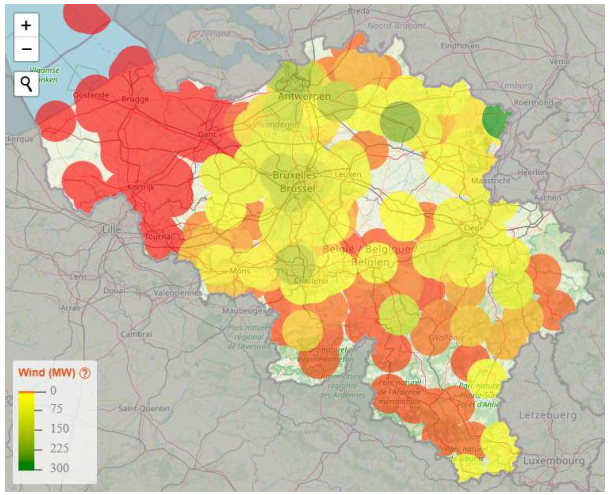
Key messages from the HCM

1	Planned infrastructure projects are essential to host already reserved/allocated capacities	*The infrastructure development plans are proven needed and effective. The capacities created by **Boucle du Hainaut and Ventilus** and other currently planned infrastructure projects are **essential to host the already reserved and allocated capacities.***
2	Flexible connections to speed up effective connection to the grid	*Flexible connection for a temporary period remains the best measure to connect grid users having some flexibility means whilst awaiting grid reinforcement!*
3	Pre-reservations are key to secure and assess remaining hosting capacities	***Pre-reserving potentials in connection studies** are adequate vehicles to secure hosting for the capacities needed in the future energy mix in line with policy/decarbonization objectives.*
4	Ensure a sound management of capacity reservation	*Reservation capacity process needs to ensure that **reserved/allocated capacities are either concretized or released** in order to avoid undue limitations in grid hosting capacity.*
5	Focus on localisation of future capacity needs in strong collaboration with DSO	***Further strengthening the vertical grid** will be necessary:* ▪ *system operators are closely collaborating to identify the **pace and location of the electrification** of the small industry (see the Plan de Puissance and EnergieGRIP initiatives);* ▪ *the further development of the **flexibility of residential load** (especially e.g. for EV), will be crucial to avoid oversizing grid infrastructure.*

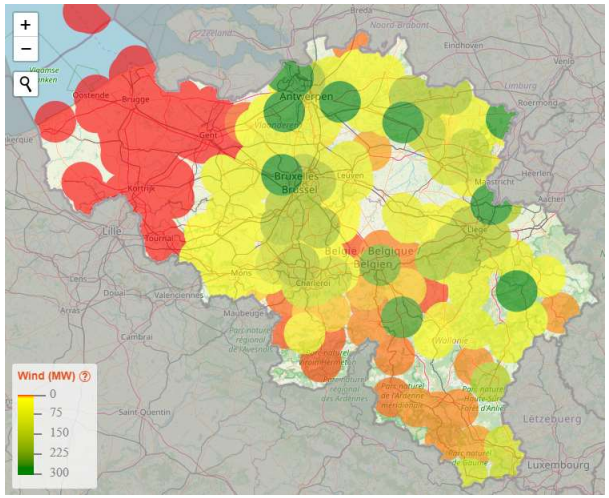
HCM – results

Update published at : Grid Hosting Capacity

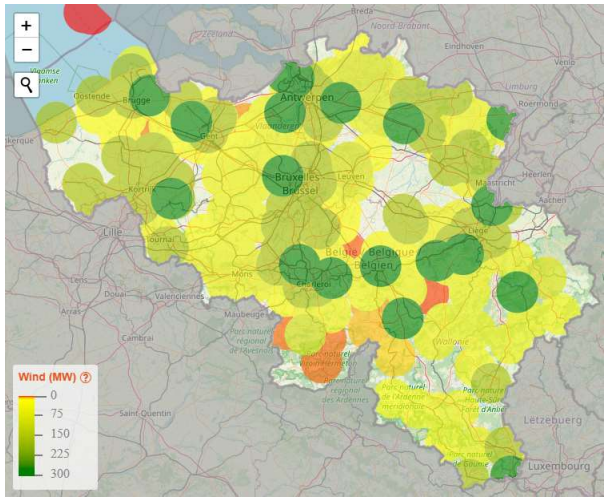
The HCM results for a wind producer : impact of flexible connection



2027 – Wind – 0 % Flex

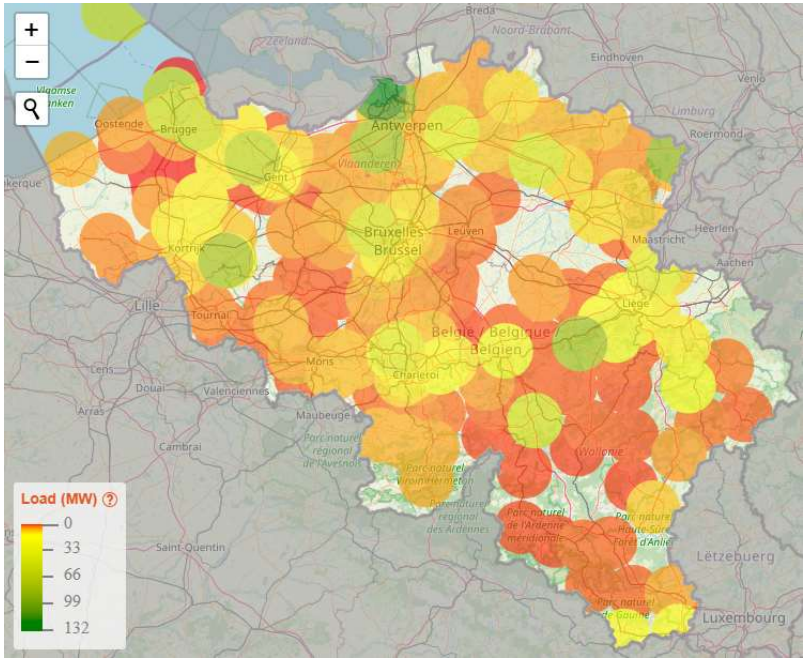


2027 – Wind – 5 % Flex

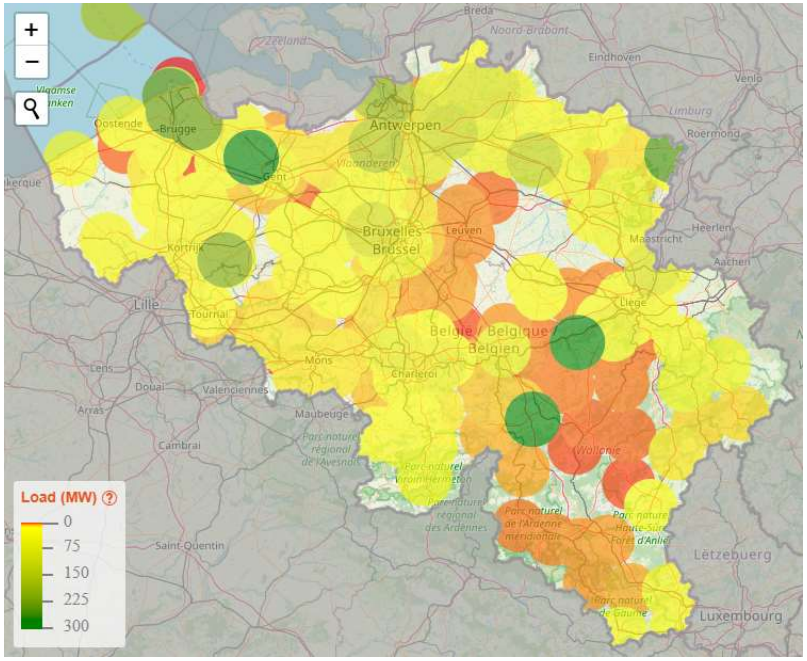


2027 – Wind – 20 % Flex

The HCM results for a consumer : impact of flexible connection

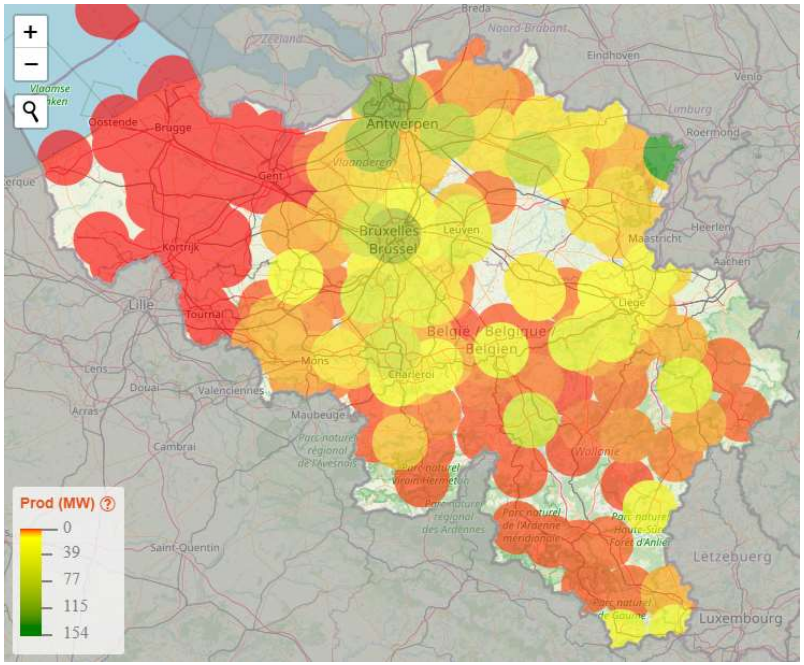


2027 – Load – 0 % Flex

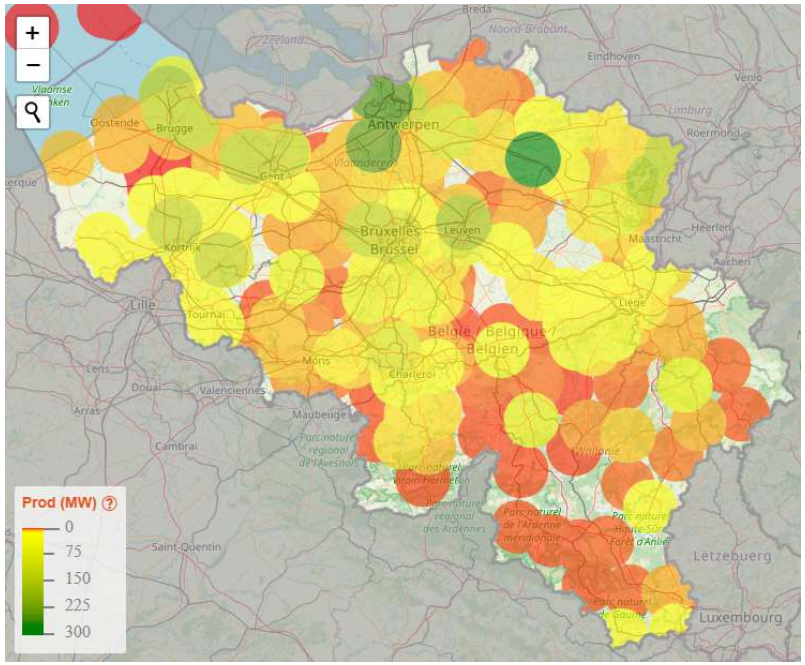


2027 – Load – 5 % Flex

The HCM results for a classic producer



2027 – Prod – 0 % Flex



2031 – Prod – 0 % Flex

Thanks to improved methodology and additional features (flex levels and monthly publication), the updated Hosting Capacity Map becomes a key tool for (future) grid users.

Given the large number of reserved/allocated capacities and the use of pre-reserved capacities, the remaining hosting capacity is limited.

Anticipating future capacity needs and managing reserved/allocated capacities is key to use scarce capacity resources.

Thank you.

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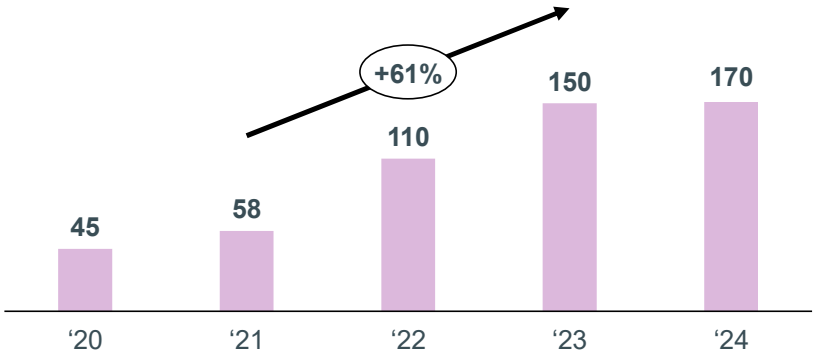
T/DSO koppelpunten

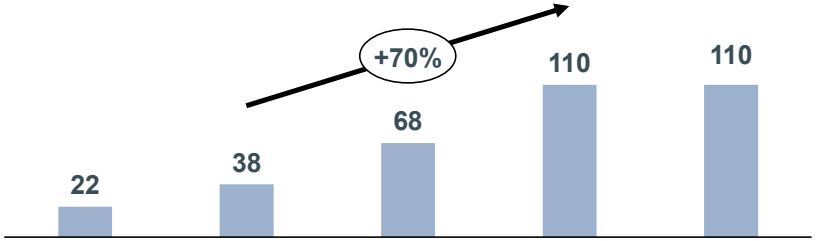
Sharp rising connection request numbers (TSO +DSO)

In ’21-’23, each year ~60% more connection studies were ordered

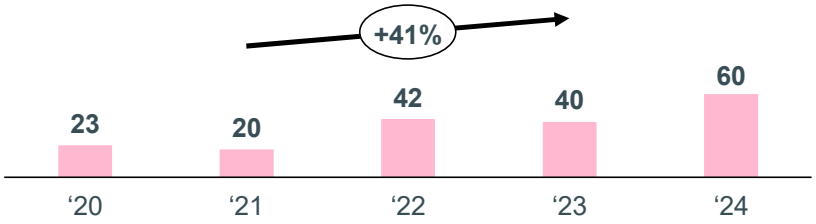
*# **Connection** studies (EOS & EDS) ordered per year*



*# **Orientation** connection studies (EOS) ordered per year*

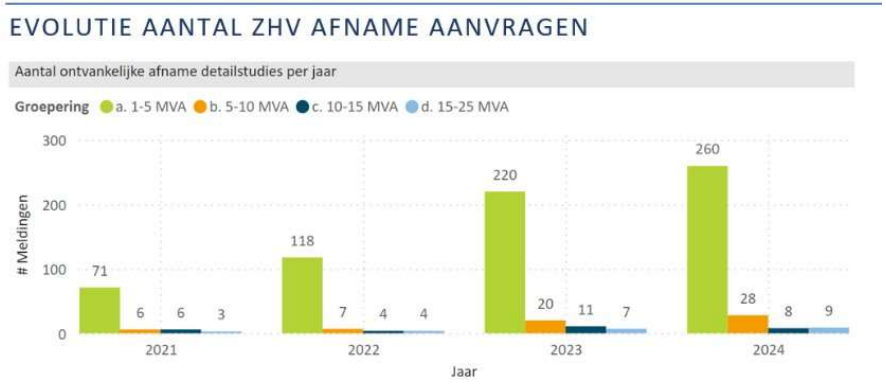


*# **Detailed** connection studies (EDS) ordered per year*

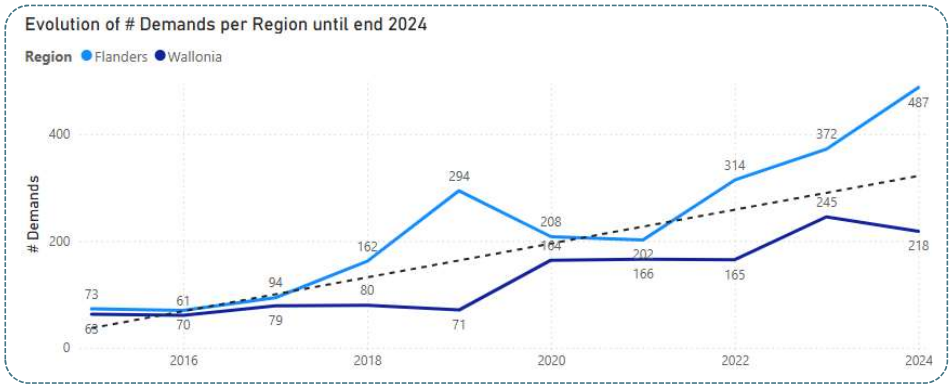


Sharp rising connection request numbers (TSO +DSO)

Connection studies Fluvius per year above 1MW



Connection requests (CAPAC) per year at distribution grid



Electrification of industry is happening at high pace

More and more companies are switching from fossil fuels to electrification (e-boilers, charging infrastructure, ...).

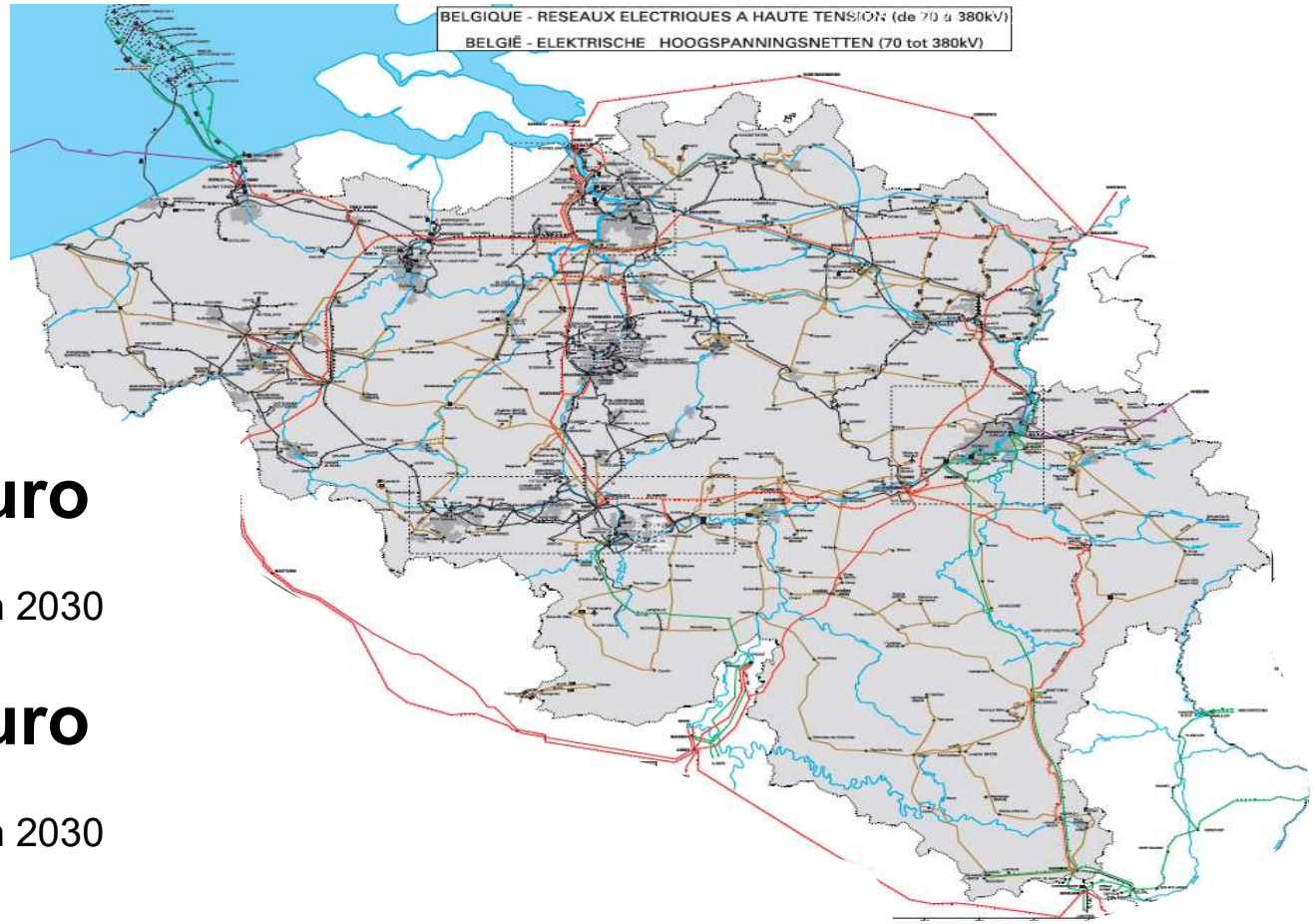
- DSO's and Elia make global assumptions and already include them in the respective investment plans.
- The specific capacity and timing per individual customer are critical elements in the development of the grids, information not available to the system operators

Strong increase in new connection requests (data centers, battery, charging, etc.) with unpredictable locations

Today not possible to predict which company needs which capacity in which location at which time

Elia

Investment plan



4,8 bn euro
in Flanders
between 2020 en 2030

2,5 bn euro
in Wallonia
between 2025 en 2030

Facilitating offshore energy

Grid reinforcements

Cross-border interconnection

Close collaboration between the TSO & DSO to tackle the upcoming challenges on the vertical grid

Grid reinforcements	Need for adequate and timely insight on client needs	Mitigation measures

Grid development plans (TSO + DSO)

energie GRIP

Plan de Puissance

Under investigation:

- Flexible load connection on distribution & local transport level
- Overloading assets
- …

Think tank 14/3

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Federal Development Plan 2028 – 2038

User Group 14/03/2025

Maarten Konings (Grid Development)
Rafael Feito-Kiczak (Scenarios, Market & Adequacy Analysis)

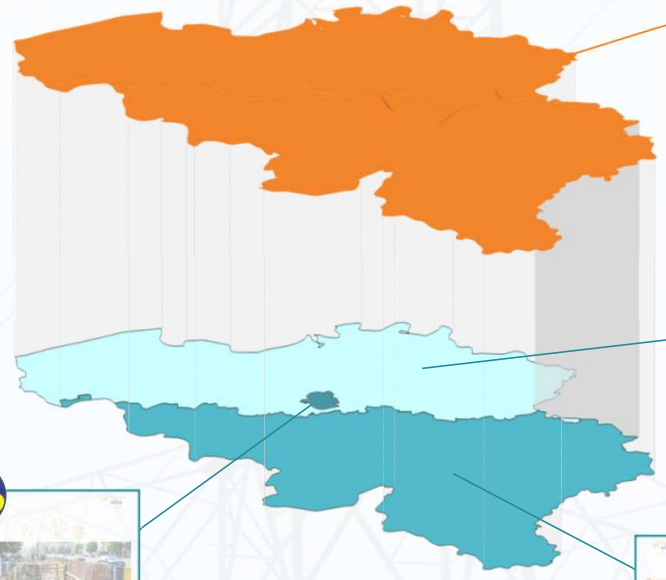
Elia's grid development plans

Federal transmission grid

HVDC
380 kV
↓
110 kV

Local transportation grid

70 kV
↓
30 kV



Every 4 years

1 Federal Development Plan

Every 2 years

Every 2 years

Every 1 year

3 Regional Development Plans

Federal Development Plan 2028 – 2038

The Federal Development Plan for the electricity transmission grid

Elia publishes its Federal Development Plan (FDP) every 4 years

Horizon: +10 years

Scope: the Belgian federal electricity transmission grid (>70 kV)

The Federal Development Plan describes:*

- The **hypotheses and scenarios** that serve as a basis for the plan
- The existing grid and the **future capacity needs** for the transmission grid
- The **planned investments** for the next 10 years, where relevant supported through a cost-benefit analysis
- The results of the **Strategic Environmental Analysis** (SEA)

** non-exhaustive list*

Most recent version: FDP 2024-2034, published in May 2023

Next version: FDP 2028-2038, to be published in May 2027

An updated Royal Decree as of May 2024

A new Royal Decree w.r.t. Federal Development Plans was adopted on 12/05/2024:

- *« Koninklijk besluit tot vaststelling van de procedure voor de opstelling, goedkeuring en publicatie van het netontwikkelingsplan voor het waterstofvervoersnetwerk en het ontwikkelingsplan voor het transmissienet elektriciteit »*

- *« Arrêté royal portant sur la procédure d'élaboration, d'approbation et de publication du plan de développement du réseau de transport d'hydrogène et du plan de développement du réseau de transport électricité »*

New RD dd. 12/05/2024:
https://www.ejustice.just.fgov.be/eli/besluit/2024/05/12/2024004811/staatsblad

Previous RD dd. 20/12/2007:
https://etaamb.openjustice.be/nl/koninklijk-besluit-van-20-december-2007_n2007011404.html

Roadmap for the FDP 2028 – 2038

FEB. 2025
Collaboration committee kick-off
CdC meet at least every 2 months

MAR. – JUN. 2025
Scenario development

1 Include the latest available information at national and international level: a list of 11 sources are listed in the RD

2 Elia, in concertation with FOD/SPF and Federal Planning Bureau, uses these sources to establish scenarios

JUL. – AUG. 2025
Public consultation Scenarios (30 days)

3 A specific request to participate is to be sent to Fluxys, federal & regional regulators & DSOs

OCT. – NOV. 2025
[NEW] Advice FOD & FPB on Scenarios

4
1) Scenarios to be sent to the Minister of Energy, copy to FOD/SPF & Federal Planning Bureau
2) FOD/SPF and Federal Planning Bureau can give an advice to the minister and Elia (within 30 days)
3) Minister can, after consultation of Elia, request further analysis or additional scenarios (within another 20 days = **by end of December**)

JUN. – JUL. 2026
Advices CREG & Minister North Sea

MAY. 2026
FDP First draft

5 **New scope requirements:**
- ► Include existing infrastructure + level of utilisation
- ► Include motivation on retained variant for IC projects
- ► Explain how gas/hydrogen network plan is taken into account
- ► ...

AUG. – SEP. 2026
Update plan & SEA

OCT. – NOV. 2026
Public consultation of the FDP (incl. SEA)

DEC. 2026 - JAN. 2027
Update plan

FEB. - APR. 2027
Advices FPB & SPF + Approval Federal Minister of Energy

6 3 months time for Ministerial approval
Previously: 2 months

MAY. 2027
Publication on Elia Website

Indicative timings

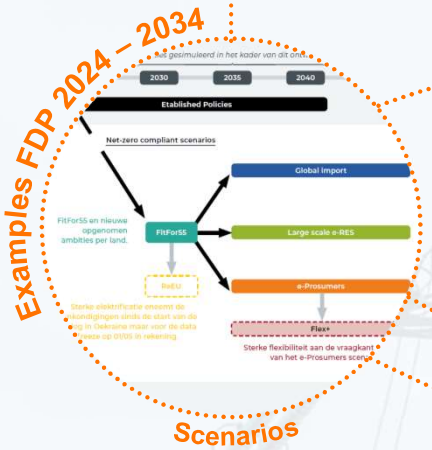
Development Methodology for the transmission grid

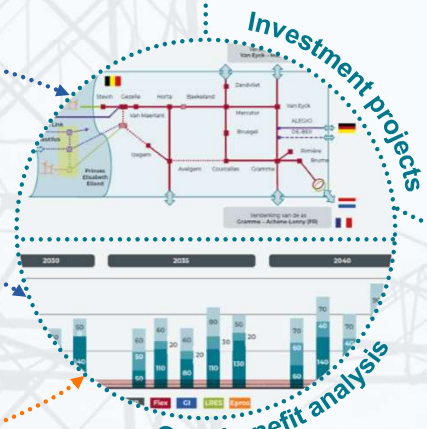
Scenarios

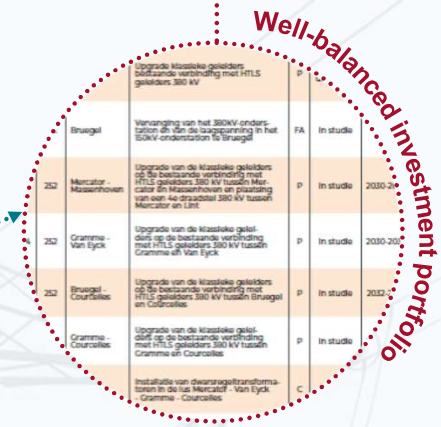
Needs detection

Definition of the solution

Dynamic portfolio management







Identifying improvement levers through a WG Belgian Grid survey

1 Stakeholder involvement

Enhanced Stakeholder engagement in an earlier phase of the elaboration of the plan

2 Identification of system needs

Identification of system needs chapter generated high interest and is seen as a key improvement

3 Readability & Transparancy

Balance to be found between having a comprehensive document & providing sufficient details

Identified improvement levers

- Closer involvement of Work Group Belgian Grid in elaboration of the FDP, by setting up a **new "Taskforce Grid Development Plans"**
- Reconduct the **Taskforce Scenario's**, which will this year be co-chaired with Fluxys.
- Improved **coordination with DSOs** on hypotheses
- Investigate improvement **needs identification for the vertical system**
- Include comparison of "**High-level variants"** for interconnector CBAs
- From one big FDP document to an **FDP package,** with main document focused on study results and projects, and a separate attachment on methodologies
- Publication of **regional scenario data** for Wallonia, Brussels and Flanders
- Assess how impact of projects on **grid hosting capacity** can be demonstrated

Taskforce Grid Development Plans

Taskforce Grid Development Plans for enhanced stakeholder involvement

A new Taskforce Grid Development Plans (TF DevPlans), as part of Working Group Belgian Grid (WG BG)

Practicalities

- **Frequency:** ad hoc, on needs basis
- **Location:** Elia offices Empereur (or dedicated location)
- **Duration:** 3-4 hours, depending on need
- **Participants:** any interested member of WG BG

Objective

Serve as a **transparency and interaction platform towards stakeholders**, through in-depth presentation of specific study results, projects and storylines (including specific variant assessments) that are performed in the framework of Elia's grid development plans, followed by capturing stakeholder feedback, thus fostering stakeholder participation and involvement in the drafting process of the development plans.

Before the TF DevPlans meeting

In preparation of the meeting, the meeting agenda will be shared ± a week in advance

After the TF DevPlans meeting

At the latest two weeks after the meeting, the material presented, and if applicable also a meeting report, will be sent to participants, and after validation shared on Elia's website

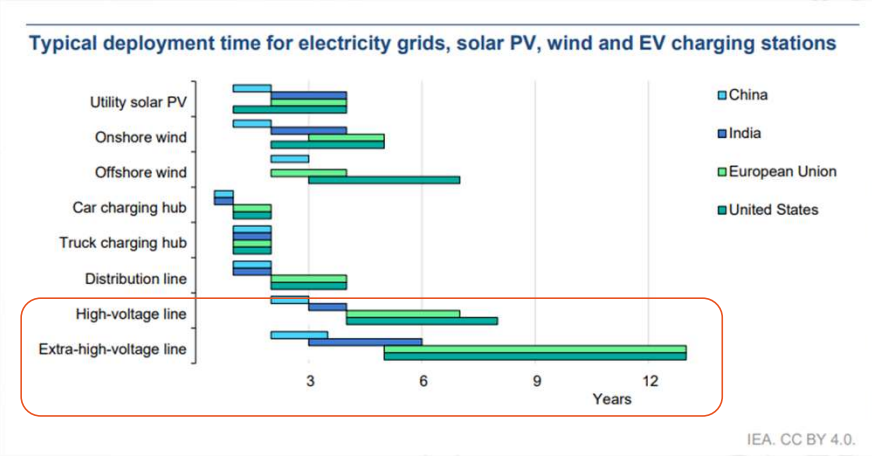
Taskforce Grid Development Plans for enhanced stakeholder involvement

Scope of the new Taskforce Grid Development Plans (TF DevPlans)

Taskforce Multi-Energy Scenarios

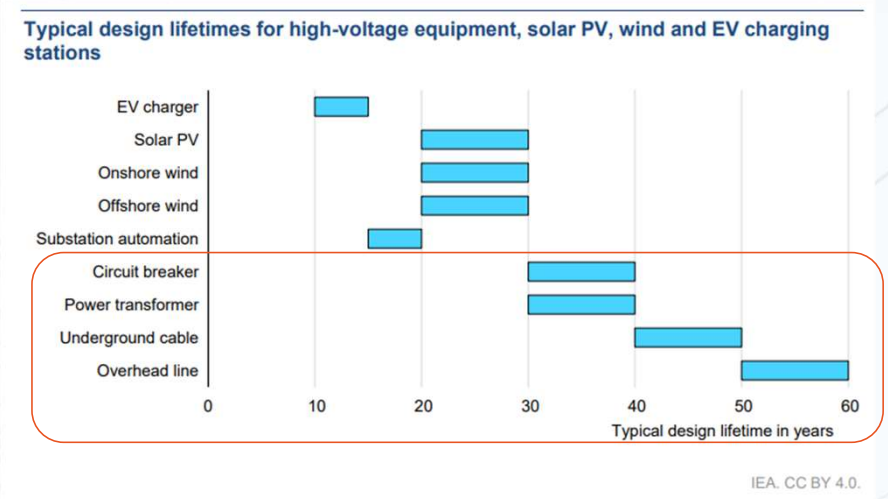
Importance of long term energy scenarios (beyond the plan's 10 year horizon)

1 (Very) long project throughput times



Projects need to be planned long(er) upfront, requiring already early on insights on the future energy system

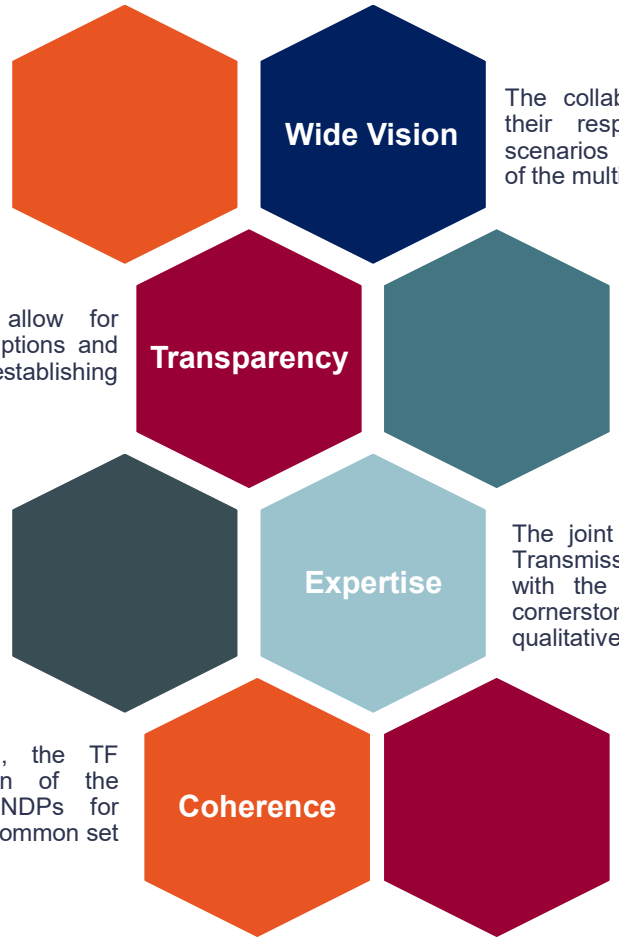
2 Long lifetime of infrastructure



Project viability needs not only to be assessed for its first year of commissioning, but also further on

Source: "Electricity Grids and Secure Energy Transitions" – IEA

The goals of the task force multi-energy scenarios



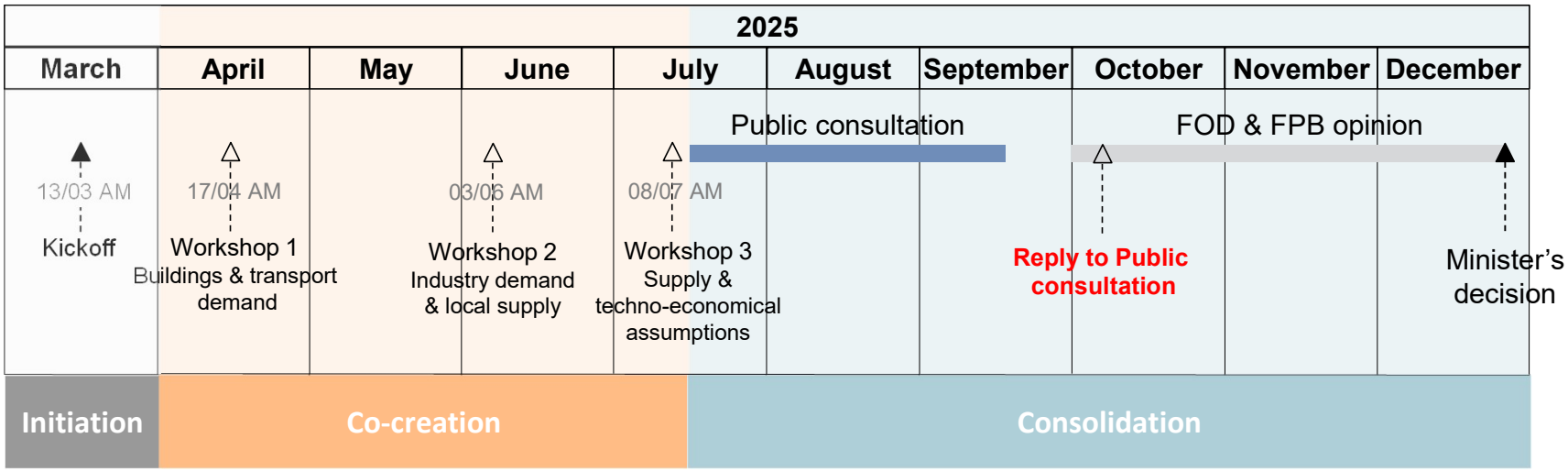
The collaboration between Elia, Fluxys and their respective stakeholders on the TF scenarios ensures the objectivity and plurality of the multi-energy scenarios of the NDPs

The TF scenarios will allow for transparency on the assumptions and methodologies taken for establishing common scenarios

The joint experience of Elia and Fluxys as Transmission System Operators, combined with the inputs of its stakeholders is the cornerstone for elaborating Belgium's NDPs' qualitative scenarios

Trough their collaboration, the TF scenarios can be certain of the coherence of the two NDPs for Belgium, being based on a common set of inputs

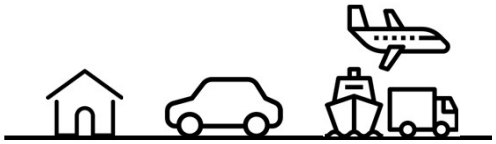
Overview of the planning of workshops and public consultation



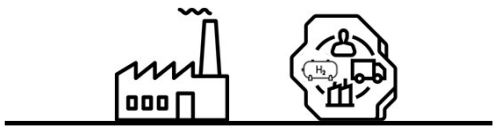
- Workshops : Presentation of methodology + feedback requests from SH
  - Joint chair Elia – Fluxys
  - Participants from relevant fields depending on workshop

Workshops : Proposed Subjects

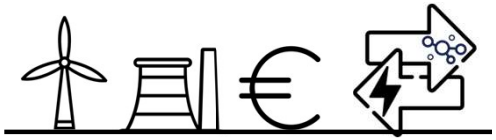
- **Workshop 1 17/04**: Energy Demand 1st
  - Residential + tertiary Energy Demand
  - Transport Energy Demand



- **Workshop 2 03/06** : Energy Demand 2nd and Local Supply Industry
  - Industry Energy Demand
  - Industry Local Supply



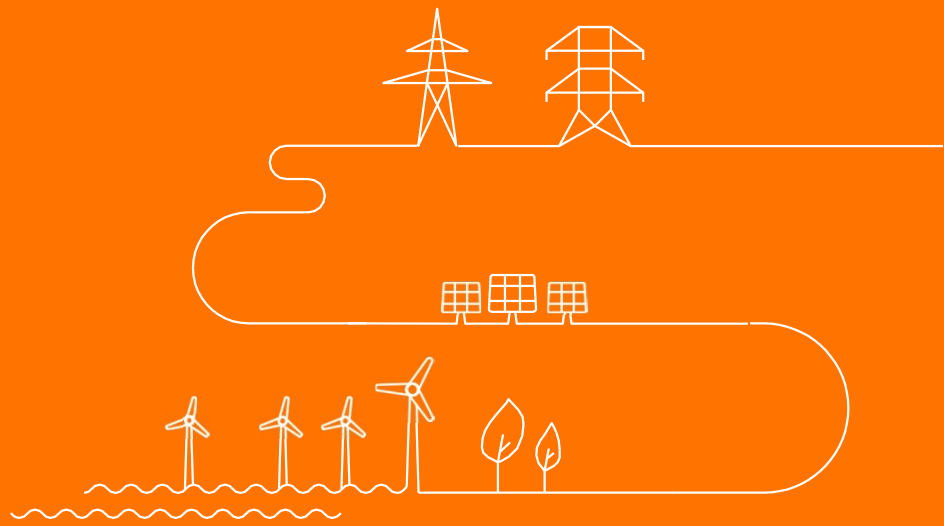
- **Workshop 3 08/07**: Supply and techno-economical assumptions
  - Electricity and molecule supply and interfaces
  - Techno-economical hypotheses



Input Welcomed

Before/during/after the workshops

Thank you !!



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2. **Princess Elisabeth Zone**
3. **Aanbeveling “oproep tot harmonisatie”**
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6. **Federaal ontwikkelingsplan**
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Consultatie databeheersplan

Wettelijke basis voor het databeheersplan (samenvatting)

Energiedecreet (Art. 4.1.19/1)

- Transparant databeheersplan voor plaatselijk vervoernet
- Het databeheersplan omvat volgende elementen
  - Gedetailleerde raming:
    - van de **capaciteitsbehoeften** van de systemen ter ondersteuning van **netbeheer**, de **leveringsmarkt** en **flexibiliteit** gebaseerd op **toekomstverwachtingen**.
    - Evoluerende behoeften voor de **opnamefrequentie** en **doorstuurfrequentie** van de data en **onderliggende hypotheses**
  - Investeringsprogramma voor de aanpassing van de systemen
    - **Roadmap** voor een periode van **3 jaar en 10 jaar**
    - Toelichting van de verschillende systemen in de **dataketting**
    - Voorspelling van de **langetermijntrends**
- **Tweejaarlijks** ter goedkeuring voorleggen aan de Vlaamse Nutsregalutor met als startdatum **1 oktober 2025**
- Publieke consultatie: voorzien in **juni 2025**

Wettelijke scope databeheersplan

Artikel 4.1.6. van het energiedecreet

§ 3. Het beheer van het plaatselijk vervoernet van elektriciteit omvat bovendien de volgende taken:

1. het beheren van het **toegangsregister** van zijn net;
2. het ter **beschikking stellen**, de **plaatsing**, de **activering**, de **desactivering**, het **onderhoud** en het **herstellen** van **meters** en **tellers** op de toegangspunten op zijn net;
3. het **aflezen** van de **meters en tellers** op de toegangspunten op zijn net, de **bepaling van de injectie en de afname** van de producenten en afnemers die aangesloten zijn op zijn net en de **verwerking en de bewaring van die gegevens**;
4. het verstrekken van de **nodige meetgegevens** en **andere gegevens** aan de distributienetbeheerder, de transmissienetbeheerder, de vervoeronderneming, de producenten, de evenwichtsverantwoordelijken, de deelnemers aan flexibiliteit, de dienstverleners van flexibiliteit, de aanvragers van flexibiliteit, de aggregatoren, de bevrachters, de tussenpersonen, de leveranciers, de afnemers en de VREG;
5. het verzamelen, berekenen en verwerken van de gegevens in het kader van de **flexibiliteitsdiensten of ondersteunende diensten** die hij verleent;
6. het beheer van het **flexibiliteitstoegangsregister** en het **flexibiliteitsactivatieregister** voor zijn net.

Deze scope werd vertaald naar databeheer

Databeheersplan en het Plaatselijk Vervoersnet

- **Er is wel onderscheid inzake wettelijke en reglementaire verplichtingen in kader van data**
  - Bevoegdheid van de VNR (Energiedecreet): Het databeheersplan, vermeld in het eerste lid, heeft betrekking op: voor de beheerder van het plaatselijk vervoernet van elektriciteit de taken vermeld in artikel 4.1.6, §3.
  - Bevoegdheid van de CREG (Elektriciteitswet): Art. 12. § 1. De aansluiting, het gebruik van de infrastructuren en van de elektrische systemen en, desgevallend, de ondersteunende diensten van de netbeheerder maken het voorwerp uit van tarieven voor het beheer van het transmissienet en de netten die een transmissiefunctie hebben.
  - **De CREG staat via de tarieven in voor de goedkeuring van investeringen/uitgaven in het kader van databeheer.**

- **Er is geen onderscheid in data tussen het plaatselijk vervoernet en het federale transmissienet**
  - Toekomstige ambities en visies: voor alle diensten die Elia aanbiedt
  - Het beheer van data: bijvoorbeeld dezelfde aanpak voor het beheer van alle metering data geconnecteerd aan het Elia-netwerk
  - De ontwikkeling van tools en platformen

Inhoudstafel van het databeheersplan

Thank you.

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Werkgroep: Adequacy

Voorzitter: Jan Voet

1. Most important developments

- Presentation of calibration results for the upcoming CRM auctions (Y-1 2025/26, Y-2 206/27 & Y-4 2029/30)
- CRM Functioning rules v5 – Public consultation responses and submission to the CREG on February 1st
- Adequacy & Flexibility 2026-2036 – Public consultation responses
- Presentation of the Go-live plan for the delivery period 2025/26

2. Progress on ongoing projects

- **CRM design**: Functioning rules v5 design changes following public consultation
- **CRM implementation**: organization of bilateral sessions with CRM actors and organization of general QA sessions

3. Future actions and planning / key dates

CRM Auctions

- Ministerial Decree on CRM auctions by 31/03
- Start of Admission Process for Foreign CRM Candidates 1/04
- Start of the CRM PQ process for Belgian capacities 15/05

CRM Calibration

- Public consultation for the CRM scenario in April

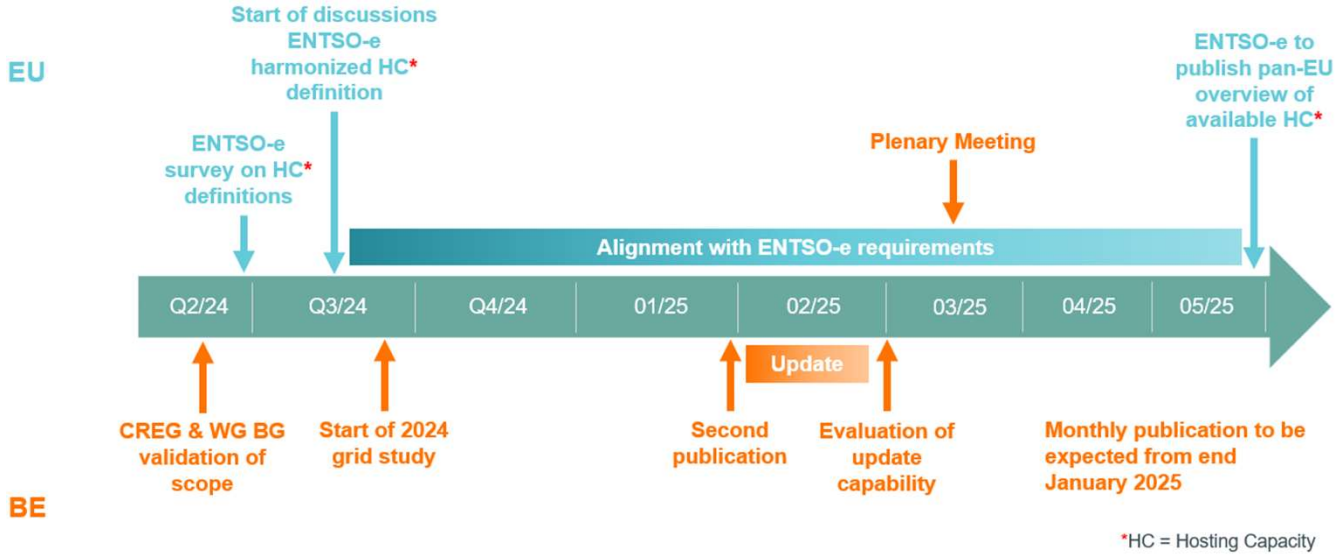
Next WG Adequacy on 17/04

Werkgroep: Belgian Grid

Voorzitter: Jan Voet

1. Belangrijkste ontwikkelingen

- Status **Hosting Capacity Maps**



- **Aansluitingscontract**: publieke consultatie 20/02/2024 – 31/03/2024
  - Aanpassing na feedback regulatoren: LFDD, Peppol 2026, opheldering verplichting vergunningen, toegang voor inspectie, *Aansluitingsinstallaties* i.p.v. *Installaties*, compensatie flexibele toegang, …

2. Voortang lopende projecten

- **Digitalisatie netgebruiker – *roadmap***: oproep feedback leden

3. Uitdagingen en knelpunten

- **Toegangscontract**: ligt ter goedkeuring bij de regulatoren

4. Samenwerking en afstemming

- **Incentive om gealloceerde capaciteit effectief te gebruiken**: nieuw voorstel WG Belgian Grid juni
  - *Implementatie vergt aanpassing v/h Aansluitingscontract*
- **GUFlex**: workshops
- EnergieGRIP werd voorgesteld
  - *Samen anticiperen op de energietransitie van de Vlaamse industrie*

4. Toekomstige acties en planning

- Werkgroep Belgian Grid 27/03/2025
  - Toelichting communicatieplan **ramping rate limiet** – batterijen
  - Toelichting communicatie **Hosting Capacity Maps**
  - Voorstelling nieuwe Task Forces
  - Demo EPIC
  - …

Working Group: Energy Solutions

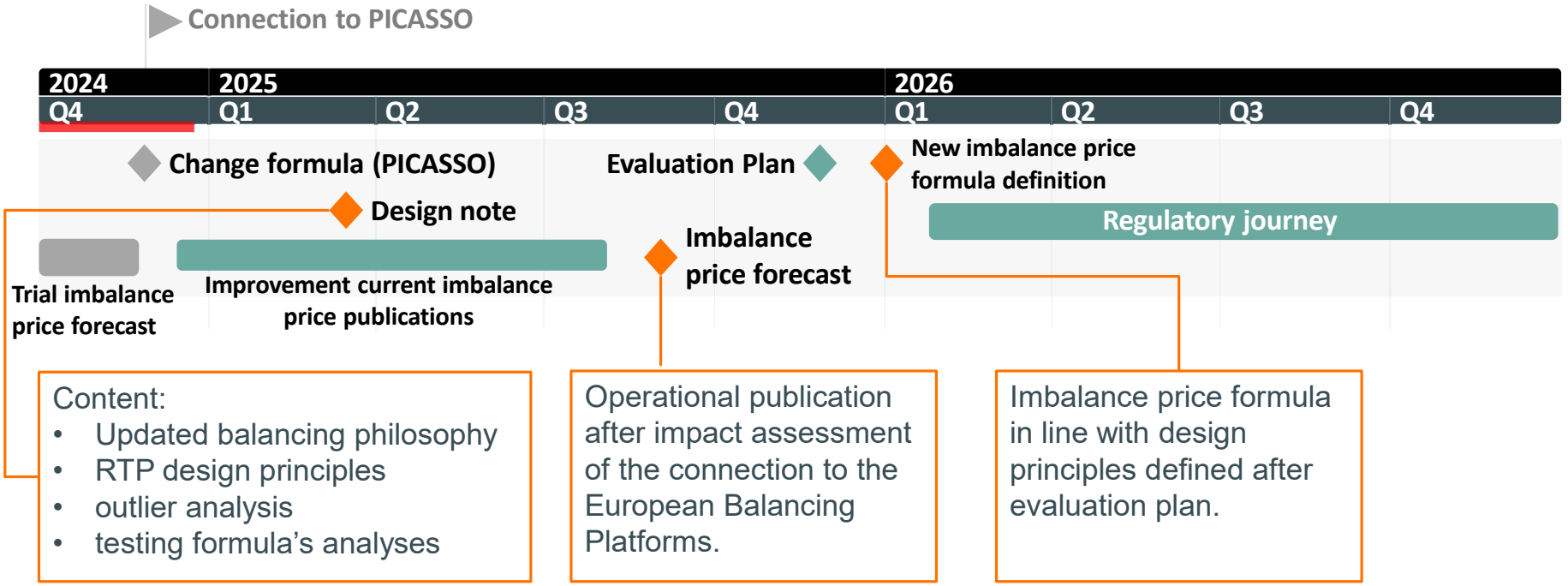
President: Alexandre Torreele

1. Most important developments

- Accession to PICASSO on 26/11/2024
- T&C BSP FCR: amended and submitted to CREG on 17/12/2024
- T&C BRP: public consultation 11/12/2024 – 24/01/2025
  - **Self-billing,**
  - **External inconsistencies**
  - **BRP perimeter correction** (in case of technical measures for incompressibility)
- LFCBOA: public consultation 19/12/2024 – 30/01/2025

2. Progress on ongoing projects

➢ Imbalance price:



2. Progress on ongoing projects

Incompressibility:

- Interactions with regulators
- Identify barriers for implicit participation on MV level
- Fix Game Plan ToE

EXPL: CONNECT TO EU and OPEN IN MV AND LV
IMPL: CREATE AWARENESS IN LV & BRING MV FLEX VOLUMES ON THE MARKET

Market Monitoring & Awareness

Market Measures
Development driven based on Market Parties interaction & Market Monitoring

Intra-Day Market

WG Grid

- ID Capacity Calculations in line with DA Security Analysis
- ID Capacity Calculations Study on Improvements
- Analysis flow-based allocation ID market

Implicit

Imbalance price signal
Real Time Price – design & regulatory framework
WG ES

With DSOs

Supply Split

Ambitionned shared target model Supply Split

(Starting Point: Position Paper MV/LV 2022)

WG DSO

Supply Split per region

(cfr regional Roadmap)

EVLIA

WG ES

With DSOs & BRP

Customer involvement & trust

Price Sensitivity

SMR3 BXL & WAL

Contract Split behind the meter MV/LV

Big Switch

WG ES

Explicit

Coupling to MARI and PICASSO
WG ES

Start analysis on possible downward procurement FRR
WG ES

Start analysis BSP Bidding Obligation for units 1MW-25MW
WG ES

- ToE-alternative for HV

With DSOs

- ToE aFRR HV/MV (*) & mFRR HV/MV
- POC ToE for aFRR in LV
- ToE for mFRR on LV Head Meter (Q4/25-Q1/26)

(*) Conditionned by assumptions on R&R 4"-values

PDG Synergid

Technical Measures (Telecontrolled)

Improve robustness of the technical solutions
WG ES

- Formalization of the agreements with DSOs for the years to come (via SOK)
- Consultation LFC BOA, T&C BRP and SoK foreseen December 2024

3. Challenges and bottlenecks

- LFCBOA : compensation mechanism

4. Collaboration and coordination

- Balancing incentive 2025: workshops foreseen for :
  - Prequalification process and metering and communication requirements for Low-Voltage Assets
  - Knowledge management and dissemination
  - Economic optimization of the use of balancing products

5. Future actions and planning

- Accession to MARI: target Go-Live on 21/05/2025
- Public consultations on BSP Faster settlement and FCR evolutions

Working Group: Grid

Presidents: Walter Geelen & Benjamin Genêt

1. Most important development

- National Control Center Annual Report 2024 was presented
  - Critical situations (alert state) were mostly linked to incompressibility issues.
  - Renewables reached almost 30% of the annual generation mix in Belgium
  - Voltage management (too high voltages) remains a focus point for the next years but 1st positive signs thanks to installation of extra shunt reactors
  - Flow Based market limiting branches : improvement for Belgium axis 400kV due to:
    1. Investments in our Belgian grid (HTLS corridors)
    2. Generally high south to north flows during 2024 in combination with tight grid situations in south-east France => more limiting axis on Vigy – Ensdorf (FR / GE border)

2. Progress on ongoing projects

European market

- First results of external parallel run of Intraday Capacity Calculation C (IDCC_C)
  - Decrease of isolation of the Belgian bidding zone. Using a more recent grid model reduces the level of pre-congestions
  - Lower mean positive Available Transmission Capacities (ATCs) for most Core bidding zone borders
- Way forward on Core Long Term Capacity Calculation (LTCC)
  - Transition to flow-based capacity calculation and allocation is planned for Nov 26
  - A consultation is ongoing on the implementation of an interim step with ATC extraction for Nov 25
- Update on the reduction of the Intraday Cross Zonal Gate Closure Time from 60' to 30'
  - Very important development for boosting the possibility for market parties to adjust their positions closer to real time
  - But very demanding in terms of system management, and also impacting iCaros design
  - Voluntary approach by Elia: current assumption to request a derogation until the beginning of 2027 rather than using the full possibility of derogation of Electricity Market Design Reform (EMDR) of 2029 – 2031.

2. Progress on ongoing projects

System Service Design

- Informal consultation impact Return on Experience (REX) phase I on Terms & Conditions for Scheduling Agent (T&C SA)
  - REX organization welcomed by market parties as it allowed to identify, discuss and resolve outstanding operational issues, workarounds and bottlenecks.
  - Focus on a limited set of implementation changes and design clarifications
  - Lead to limited amendments of the T&C SA formally consulted until begin of April 2025.
- Public consultation regarding T&C OPA for Availability Planning extension for large units is just over *[called 'release 1 of iCAROS phase II']*.
  - Goal of this release 1: replace the existing long term OPA process by a simplified and uniform process aligned with SOGL and transparency requirements
  - Reactions are currently processed for submission to NRAs by begin April
  - Testing April – May 2025
  - Go-live (conditional to timely approval and readiness of concerned OPAs): June 17th 2025

2. Progress on ongoing projects

- GUFlex: status project and way forward
  - CREG announced a decision on the Code of Conduct for end of March
  - Elia is awaiting this decision to further progress on some design elements and on the development of the regulatory documents and contracts
  - Preparatory work is taking place already for proof of concepts

- MVAr: status project and way forward
  - From mid-March to mid-April: public consultation on updated T&C Voltage Service Providers
  - Proposed amendments aim at implementing for 2027 (next contractual period) the improvements of the Mvar service discussed with market parties during the incentive study of 2023
  - Information session on the detailed changes proposed in the T&C took place on 11/3

3. Challenges and bottlenecks

- Solar Eclipse dd.29/03/2025
  - Somewhat limited impact expected but importance of good preparedness from all BRPs

4. Collaboration and coordination

- Feedback requested on the proposal for the evolution of the intraday ATC incentive
  - The proposal aims at:
    1. Integrating the further intraday recalculations (C, D, E) in the incentive
    2. Weigh the different (re)caculations according to market usage (more value closer to real time)
  - The window is open until this Friday 14/03/2025

5. Future actions and planning

- Workshop GUFlex on 31/3 and 19/5 (blockers depending on the progress of CREG's decision on Code of Conduct)
- Workshop on CREG incentive on CRI monitoring planned on 25/03/2025
- Workshop on co-optimisation will be organized before or during the public consultation period of R0 co-optimisation report.
- Workshop on EU Congestion Management toolkit will be organized later in 2025
  - Aim: sharpen the problem statement and identify tentative ways forward to prepare for fundamental debates (cf. European Commission in June 2026)
- **Next WG Grid meeting is on 16 June 13:00-16:00**

Thank you.

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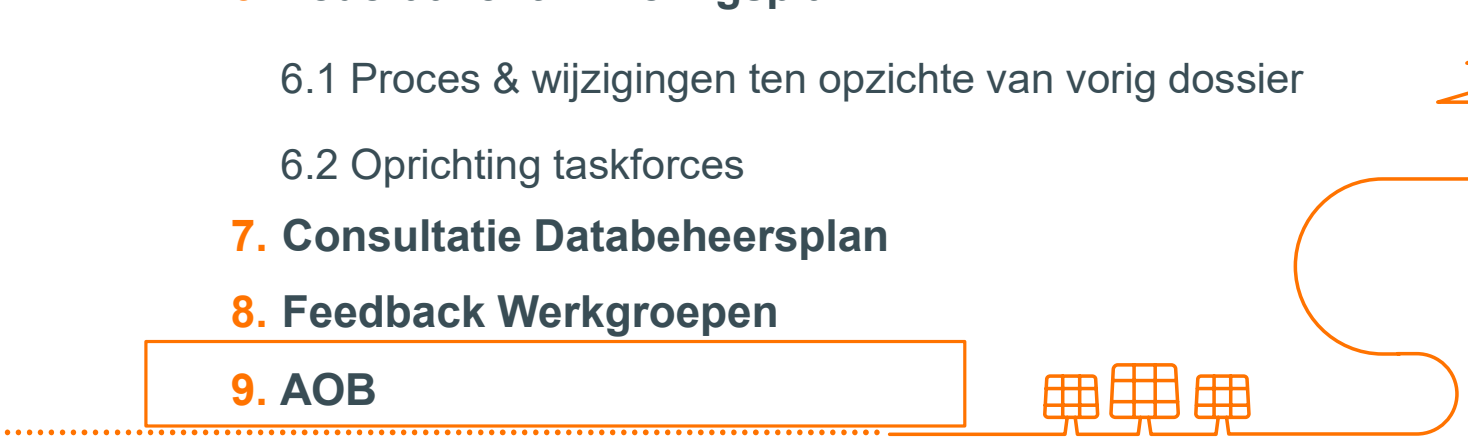
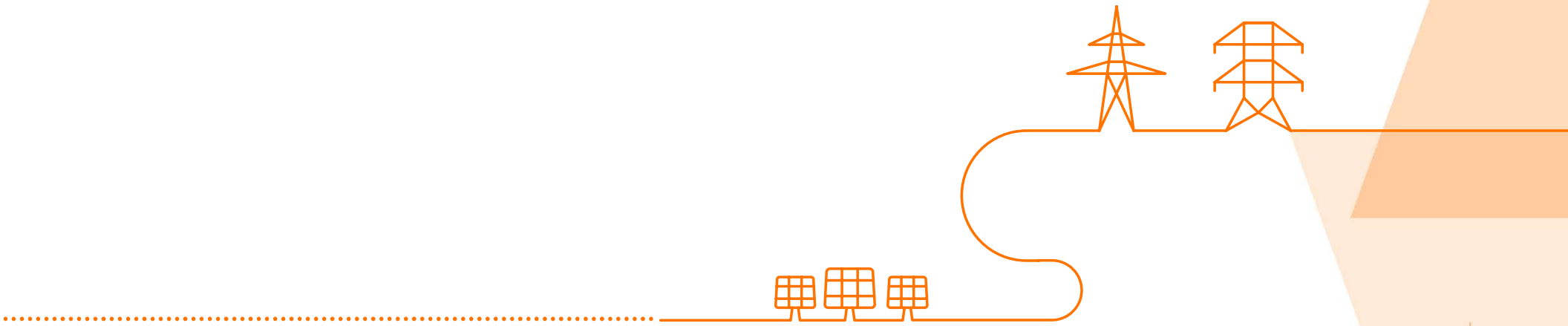


AOB

Any other business

1. Febeliec – organisatie werkgroepen, workshops en taskforces
2. Andere?



Thank you

Next meeting: 06/06/2025, 9:30 – 12u