

# MESC

Update on SDAC & SIDC

03 December 2024



# Joint Status Updates

## SDAC-SIDC Roadmap – Key projects

### 2024

Q4

- XBID 4.1
- BRM in SDAC
- Baltics 15 MTU in ID
- FR-ES MNA

### 2025

- Synchronisation Baltics CESA
- Window for remaining borders 15 MTU in ID
- Romanian borders in IDA

Q1

Q2

- ETPA in IDCT (TBC)
- 15 MTU in SDAC incl. new operational timings (TBC)

Q3

- Core AHC (indicative)
- ETPA in IDA (TBC)

Q4

- Hansa CCR Phase 2

### 2026+

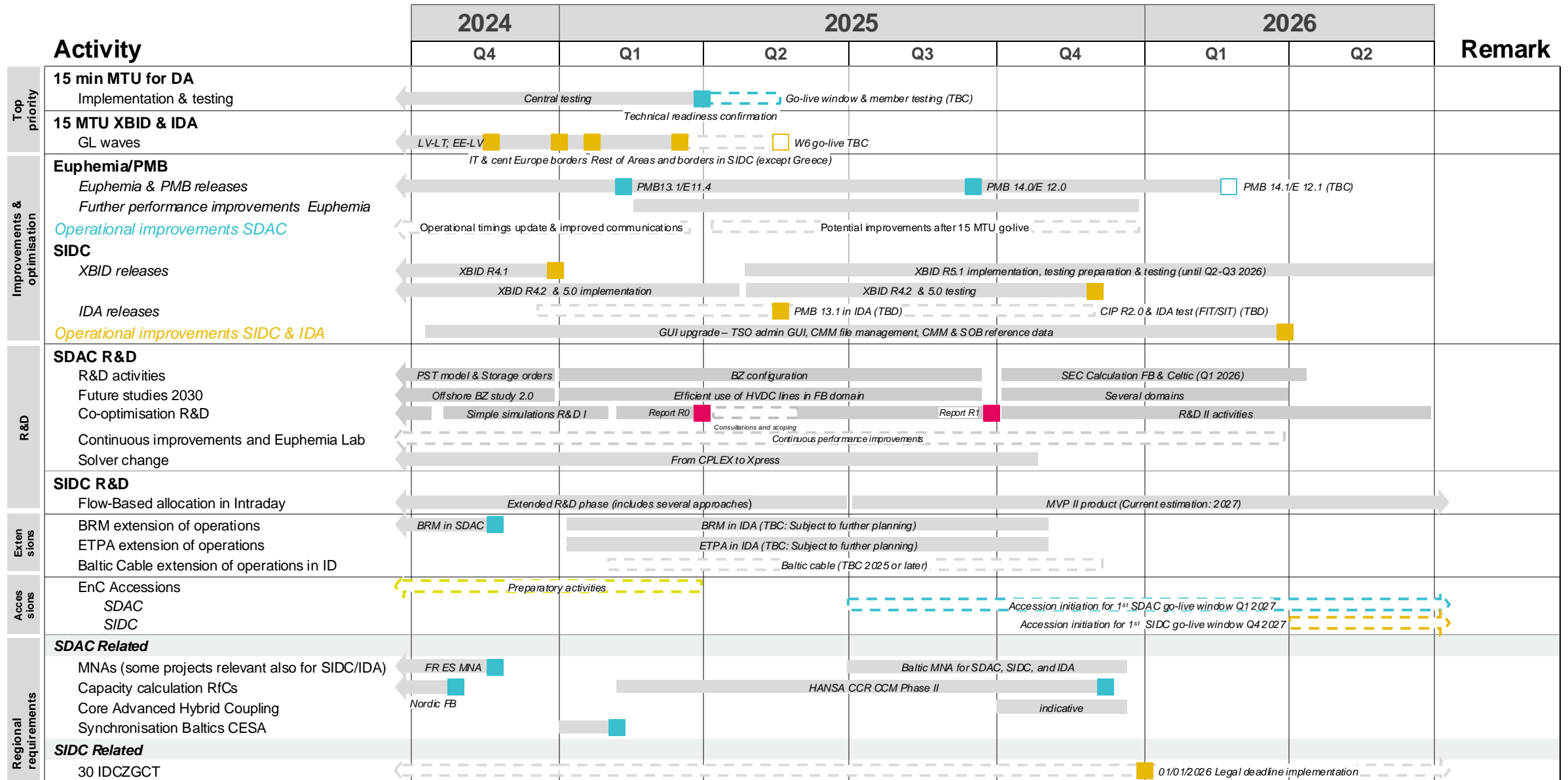
- Flow-based intraday
- EnC Accessions
- CE CCR
- New interconnectors
- 30min IDCZGCT

20 % of the pipeline = Continuous improvements, maintenance, performance optimisation, scheduled releases & ad hoc requests

# SDAC-SIDC Roadmap and key projects



Market Coupling Steering Committee



## Joint Status Updates

### Co-Optimization R&D Update: Survey and Workshop

MCSC NEMOs and TSOs active in SDAC, in cooperation with ENTSO-E, conducted an **informal survey among market participants regarding the future use of co-optimised balancing capacity and energy markets.**

- Organized from 07/10-06/11
- 31 responses submitted
- Several bilateral interviews with respondents to further clarify specific points organised.

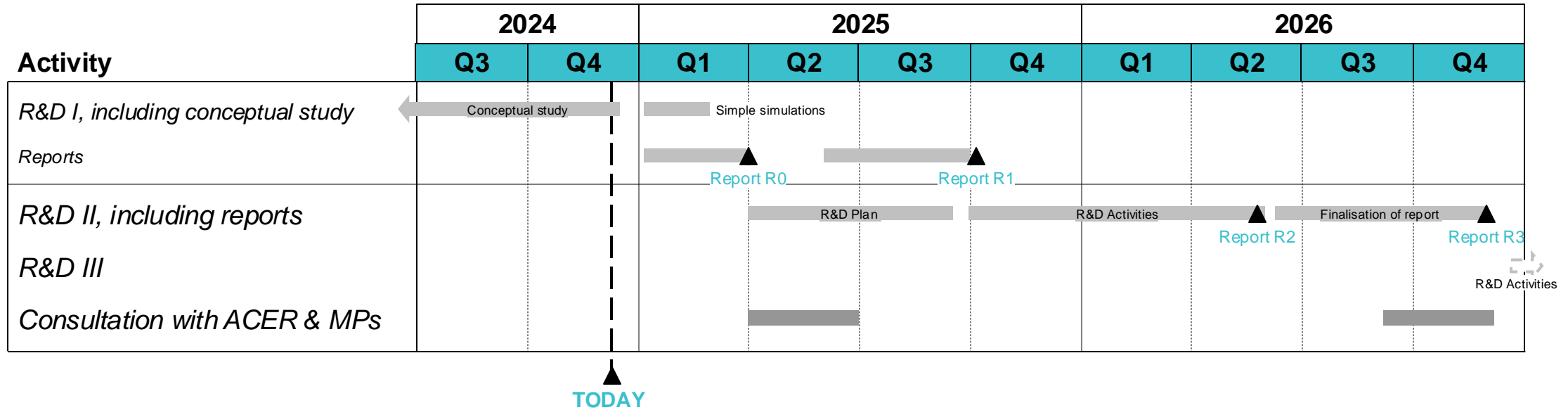
### Next steps

- Market participant online **workshop** on **19/12/2024** (09:30-12:30) via GoToWebinar
- Objective:
  - Summarize informal survey outcomes
  - Provide a high-level overview of key design challenges of co-optimised markets
  - Update on R&D continuation and next steps.

# Joint Status Updates

## Co-Optimization R&D Update: Timeline

Several Stages of R&D Are Planned Before implementation:



R&D II: compatibility with SO regulation and existing SDAC requirements, freeing up of additional exchange capacity for balancing and sharing of reserves for the NTC method, curtailment procedures

R&D III: backup and fallback procedures, bid information exchanges and governance

Newly approved Algorithm methodology [\[LINK\]](#) provides the basis for the introduction of co-optimisation and sets out a basic timeline for the R&D for the upcoming two years.

## Joint Status Updates

### Summary of the 08/11 MCCG #7

#### Background

- On 08/11, another successful MCCG took place.
- Both ahead and during the webinar, MCSC TSOs & NEMOs as well as MPs further deepened their understanding of each other's goals and challenges with regards to the five main topics of discussion:
  1. SDAC&SIDC 15'MTU implementation;
  2. SDAC decoupling events;
  3. First months of IDA operations;
  4. Implementation of 30-minute IDGCT;
  5. Co-optimisation.

#### Main messages

- **Fine-tuning of the SDAC 15'MTU member test planning and clarification of the SDAC 15'MTU go-live date are needed.** As a part of the exchange on this topic, MPs are to provide feedback on the coupled member testing indicative planning and execution organization. The central member tests and go-live date will be communicated in December 2024.
- Since their launch, **IDAs have had the availability rate of >97%**. MCSC TSOs and NEMOs are constantly optimizing the way they use the timings and improve their processes.

### Status of the 15 min MTU implementation

- **European functional testing was started in October 2024** with most NEMOs and TSOs, including regional CCR providers and JAO. Initial testing encountered **several critical issues** in the first weeks. For several processes, testing with workarounds was needed due systems not yet ready.
- In previous stakeholder meetings, MCSC NEMOs and TSOs shared that the timeline previously communicated is at risk. In the last MCSC meeting, NEMOs and TSOs agreed that a **go-live in March 2025 is no longer feasible**.
- SDAC NEMOs and TSOs can already announce that **the 15 min MTU go-live in SDAC will take place in early June 2025**. Central member tests will start at the end of March. Local member tests are planned by each NEMO and will start earlier.
- SDAC NEMOs and TSOs are working on a **detailed plan for testing and go-live**, which will be shared with stakeholders in December 2024.

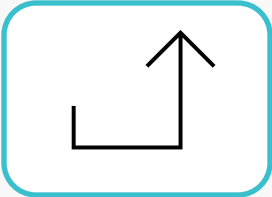


## Main Bulletins – SDAC Status Updates (2/2)

### Go-live of Nordic Flow-Based and BRM in SDAC

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- MCSC welcomed the **successful go-live of the Nordic Flow-Based Market Coupling on 29/10/2024** (first trading day) and **BRM as Romania's Second NEMO on 19/11/2024** (first trading day).
  - Under Nordic FB project, the power markets in Denmark, Finland, Norway and Sweden can now use the Flow-Based Methodology when allocating cross-border capacities in SDAC. This milestone improves capacity allocation and enables the European power grid to transport more electricity across borders.
  - The integration of BRM's trading platform into SDAC marks another important milestone allowing more market participants join SDAC and for more assets to react to price signals, thereby adding flexibility and reducing price volatility.
  - See the full press release for Nordic Flow-Based go-live on [[ENTSO-E](#)] and [[NEMO Committee](#)] websites and BRM go-live on [[ENTSO-E](#)] and [[NEMO Committee](#)] websites.

### 15 min MTU rollback

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- The principles of the 15 min MTU rollback framework were approved.
  - First round of local technical impacts was assessed.
  - SDAC working groups are working on the plan.



## Recent Relevant Updates on SDAC Operational Incidents

### Updates and points of attention

- There have been no category 1 or 2 incidents\* since the last MESC meeting, on the 8th of October 2024.

\* Type 1 incident means partial or full decoupling. Type 2 incident means that the message that there is a risk of partial or full decoupling was sent (but the decoupling did not materialize).

## Recent Relevant Updates on SDAC Operational Incidents

### Further improvements in sight

- In response to the decoupling events in June and July 2024, MCSC NEMOs and TSOs have initiated a temporary expert group to investigate potential improvements in the communication process during and after decoupling situations.
- Composed of NEMOs, TSOs and JAO, the expert group met between 25/09 and 18/10 with the following outcomes:



**11 pain points** were identified in the communication process.



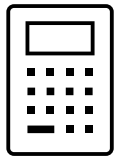
A **list of solutions** that address those pain points was prepared.



These solutions will be proposed for **MCSC validation** in Q4 2024.

## Main bulletins – SIDC status updates (1/2)

### FB in Intraday



- **Initial planning for 3 new approaches R&D completed**, trying to find a way how to implement FB to the continuous allocation. Major milestone for further decisions regarding R&D scheduled for mid 2025.
- **Clarification of the design of FB only for IDAs as an interim solution is ongoing** with the aim to finish it in alignment with IT providers in Q1 2025.
- ACER/NRAs and SIDC MSD held a WS where both R&D and interim solution were discussed.

### ID 15 min MTU implementation in Baltics



- **Testing for the Baltic parties' go-live is completed.** The **go-live** is scheduled for **16/12/2024**.
- Central systems are ready. 15' product and cross-border allocation is implemented in many BZs.
- MCSC NEMOs and TSOs are working on the testing and implementation of the 15'MTU in IDCT and IDAs organized in windows scheduled for go-live on 01/01/2025, 22/01/2025, 18/03/2025, and a window aligned with SDAC 15'MTU GL.

## Main bulletins – SIDC status updates (2/2)

### 30' IDCZGCT

- TSOs are investigating the effects of the IDCZGCT reduction to their processes and already started to work on necessary modifications.
- Discussions are ongoing on different levels (pan-EU, regional and local) to find the optimal and futureproof solutions. The final pan-EU and regional design can influence local TSO decisions on derogation request.
- Some of the TSOs already plan to ask for derogation, some are still assessing the need, while others plan to go-live as soon as possible. The different approaches are mainly stemming from local specificities.
- **Derogation plan and go-live approach was presented on 08/11 in MCCG** (meeting material on [\[ENTSO-E\]](#) and [\[NEMO Committee\]](#) websites). **TSOs will be providing an update in 2025.**



## Recent Relevant Updates on SIDC Operational Incidents

### Updates and points of attention

- There have been no major incidents in IDCT since last MESC meeting, on 8<sup>th</sup> of October 2024.

### Updates and Points of Attention

- Since IDA Go-Live on 13/06/2024, 464 IDA auctions have been performed of which **452 sessions have been carried out satisfactorily**, publishing the results to the market participants on time, resulting in **IDA availability rate of 97.41%** until 14/11/2024. Twelve IDA sessions have been cancelled due to local/technical issues.
- Eleven partial decoupling cases (considering Automatic Partial decoupling and Partial Decoupling in advance) of various parties have taken place since the IDA go-live. Each case is investigated by SIDC OPSCOM, and mitigating measures are applied either on local level or as process improvement centrally to improve operational robustness.
- SIDC OPSCOM is continuously monitoring and analysing each incident to assure no reoccurring cases and implementation of process / procedural improvements (when applicable).

**Published IDA Weekly Reports\* are available on ENTSO-E [[LINK](#)] & NEMO Committee [[LINK](#)] websites.**

\* For the explanation of the types of incidents mentioned in the Reports, please refer to the Annex 1.

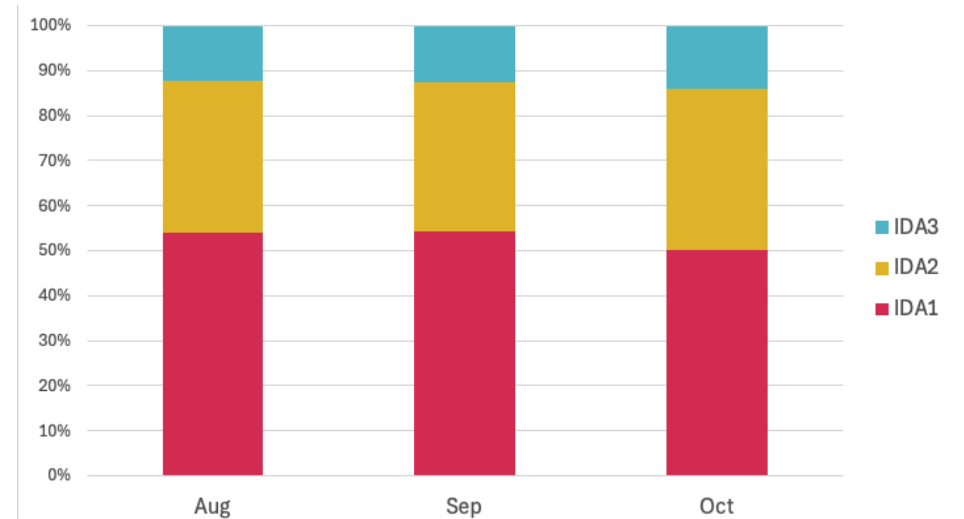
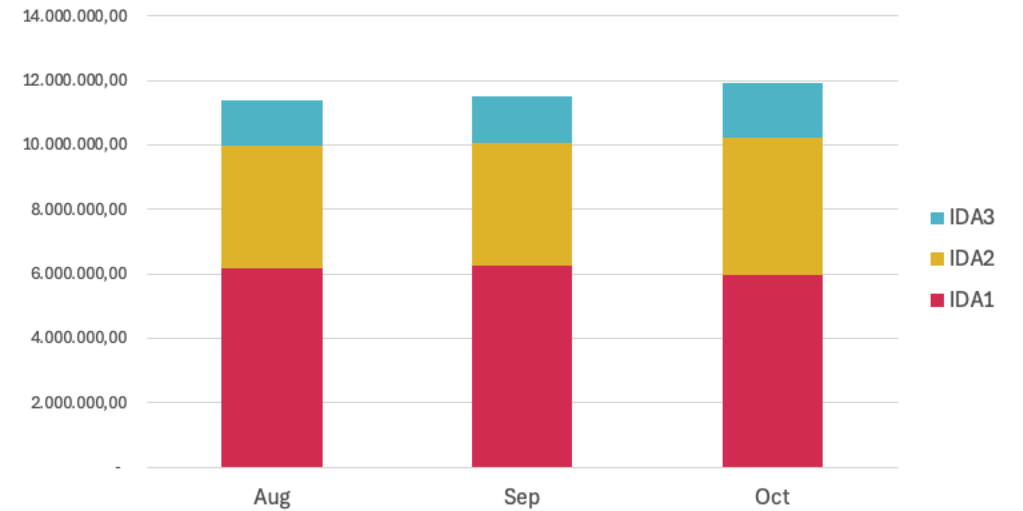
In five and a half months of operations, IDA market managed approximately 61 millions of MWh of cleared MWh with a slight increasing tendency.

<b>Months</b>	<b>Total Cleared Energy (MWh)</b>
June	5.392.568,50
July	10.503.225,82
August	11.388.680,59
September	11.522.365,2
October	11.907.755,0
November ( <i>until 26/11</i> )	10.500.014,6
<b>TOTAL</b>	<b>61.214.609,72</b>

## Giving a closer look to the available data:

▪ The cleared volume per month has been generally increasing for each of the IDAs (having in mind of course IDA3 manages a delivery period of 12 hours) with a slight drop of IDA1 in October

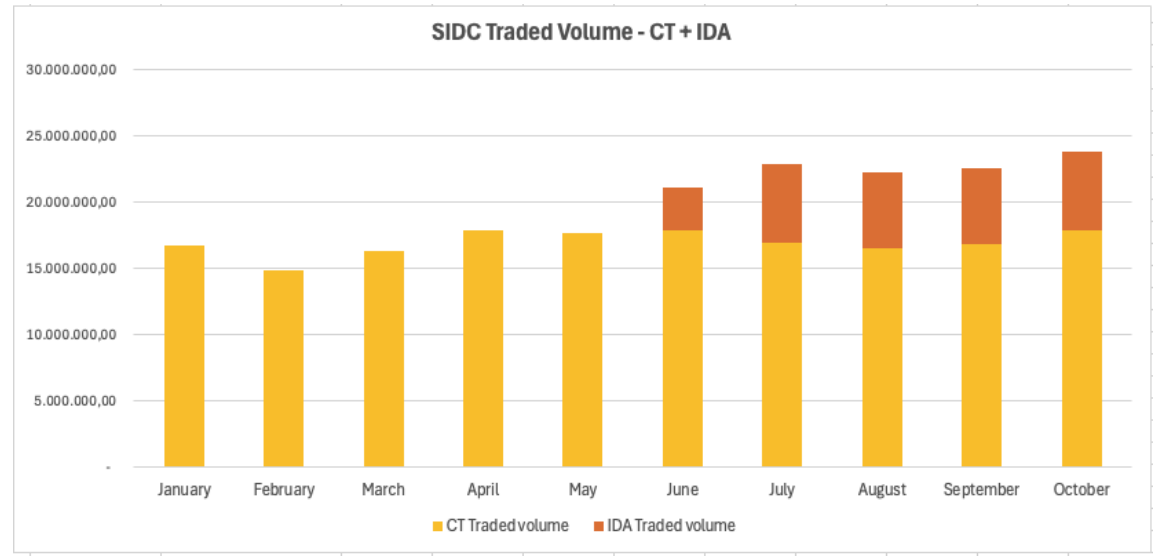
▪ The shares among the 3 auctions for each of the month can be considered as relatively stable with a slight change in October where we can observe IDA1 slightly lagging behind the other two auctions





- The overall traded volume<sup>(\*)</sup> within SIDC (MWh) has been generally growing with a slight dip in August – September.
- The volume exchanged via continuous trading has slightly decreased between June - August, letting the volume exchanged via IDAs go ahead.

Month	CT Traded Volume	IDA Traded Volume
August	16.512.481,95	5.694.340,29
September	16.831.037,43	5.761.182,59
October	17.870.141,45	5.953.877,50



<sup>(\*)</sup>For this comparison, the data are adapted to those already collected and provided via AM/SH reports. There's just one side of the market considered for that.

### Further IDA Improvements:

- After the five and a half months of experience with IDA in operation, **further optimization of times has already been performed to speed up the process**. Possible improvements are continually being analysed with **seven** already implemented into production in a short period of time and **one** more is being analyzed for viability.
- **Testing activities for each improvement are vigilantly executed**, numerous test cases and analyses have been performed focusing on the performance and system integration. In terms of human resources, numerous highly qualified and multidisciplinary experts have been actively involved in the mentioned tests.
- The IDAs **procedures** are **continuously updated**, including improvements detected during the execution of IDAs in production, like optimization of times and clarification in communication, among others.

The operational staff has improved significantly with each IDA executed, being now more familiar with the processes to follow.