



# Monthly Report · March 2023

## Electricity and NGAS Markets

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## Summary

Mar 2023  
Feb 2023  
Mar 2022



€/MWh

**DAM**

**CRIDA1**

**CRIDA2**

**CRIDA3**

**XBID\***

**NGAS\***

122.76

118.00

109.27

103.40

96.39

46.18

156.24

149.98

138.04

141.56

103.78

57.03

272.68

274.09

272.01

287.02

78.60



GWh

4,098

50.8

51.9

34.4

342.28

626.01

4,149

41.9

53.8

36.1

356.50

663.79

5,417

70.9

51.3

32.0

55.79



M€

507.1

6.30

5.81

3.71

32.99

28.91

660.7

6.32

7.36

5.08

37.00

37.85

1,504.2

21.35

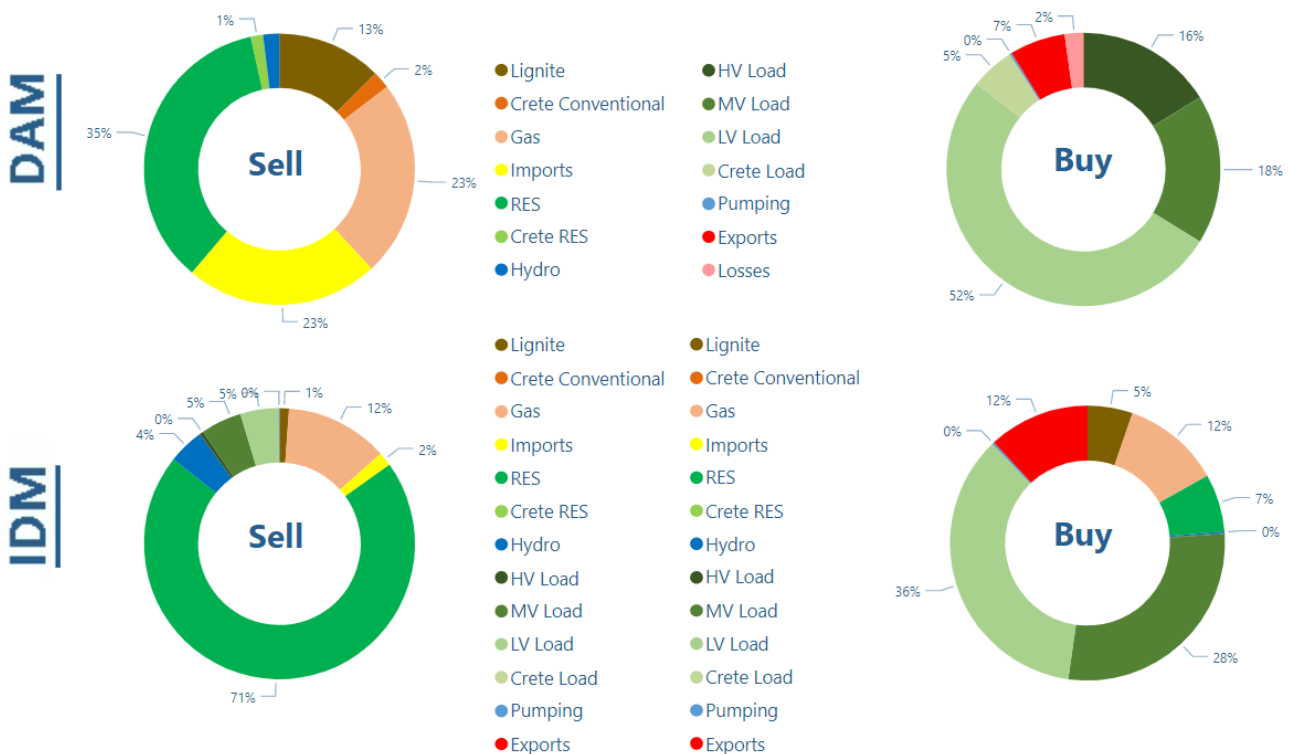
15.05

9.22

4.38

\*The NGAS and XBID Price (€/MWh) refers to the weighted average of all trades (incl. all contracts) of the respective month. All volumes are one sided. XBID volumes are the average of all sell/buy trades.

## Volume mix



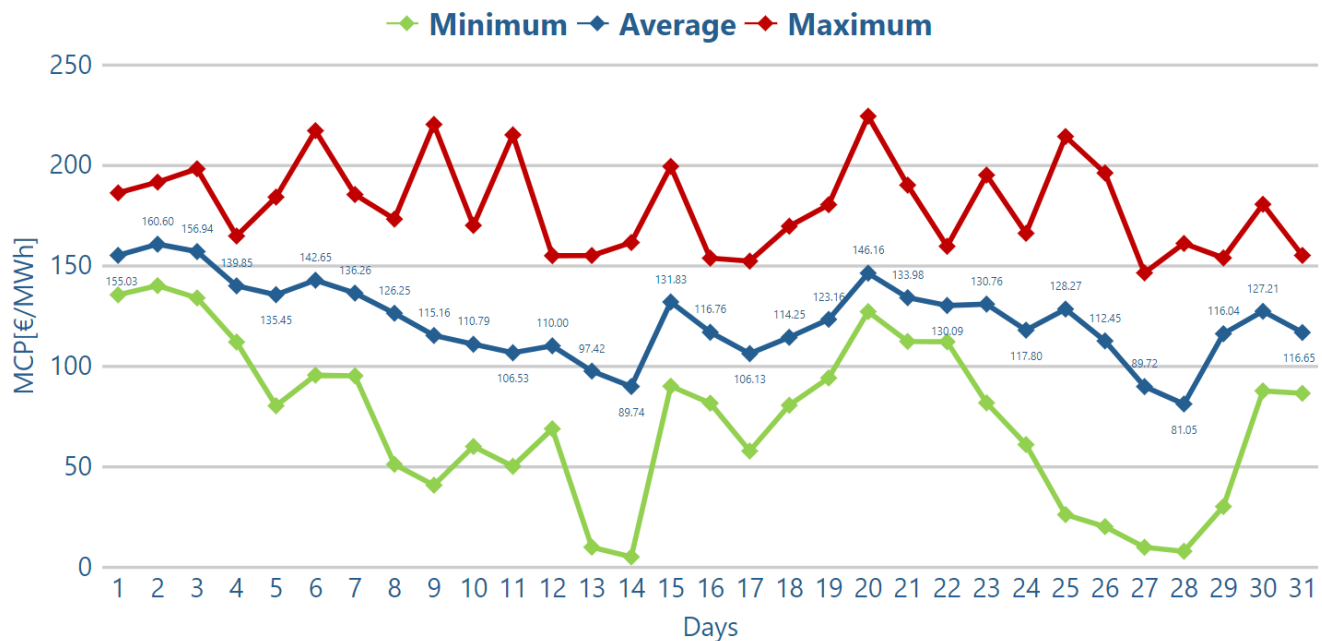
# 1. DAM

Market Clearing Price (MCP)

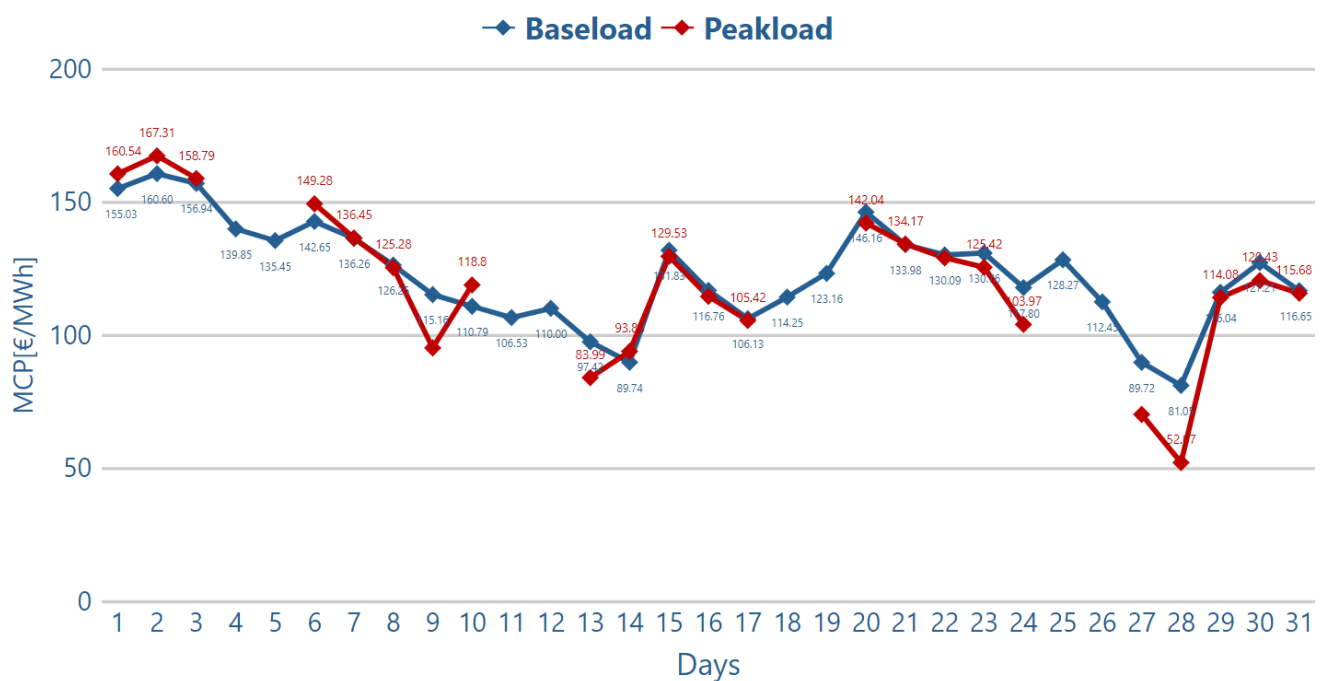
Volumes, technologies and order types

Interconnections

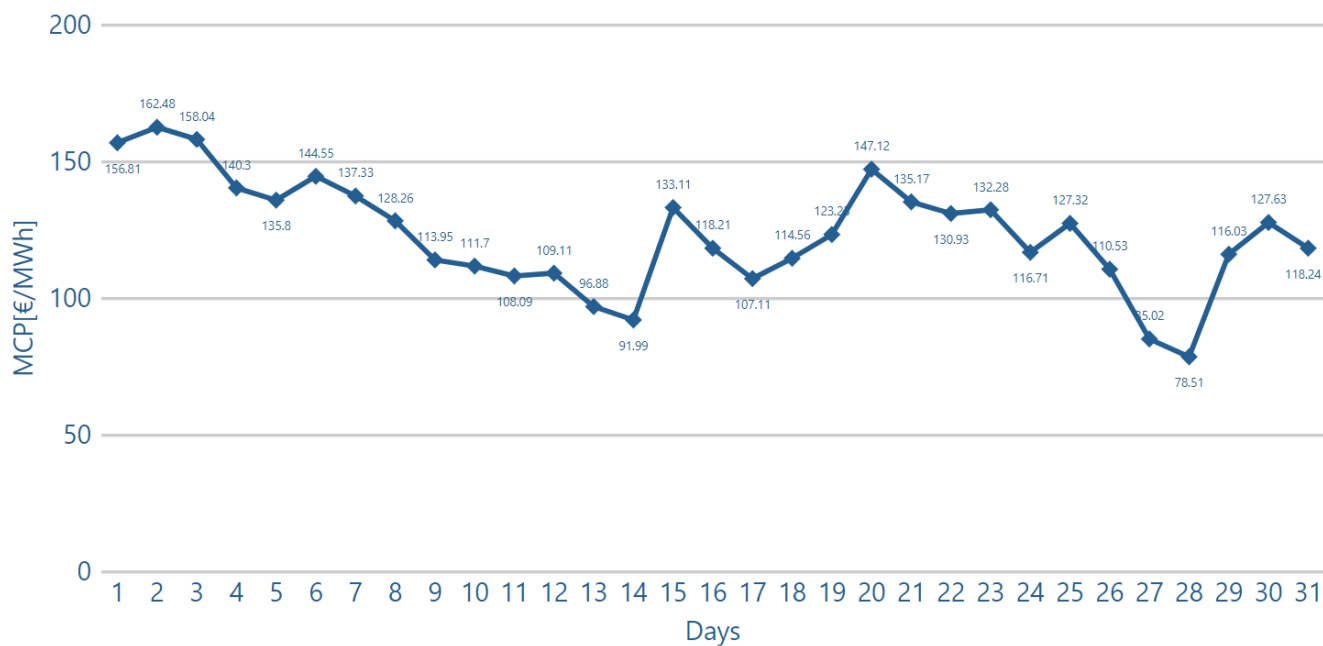
## 1.1. Daily MCP data of GR BZ



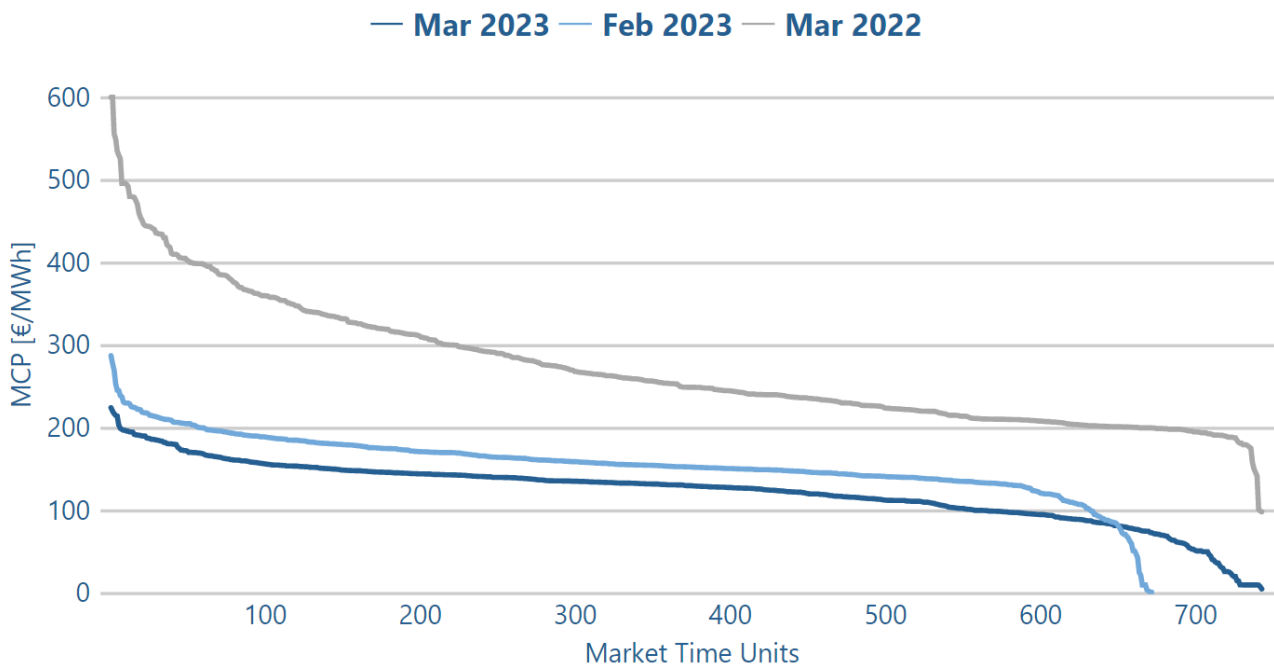
## 1.2. Daily average prices



### 1.3. Daily weighted average baseload price

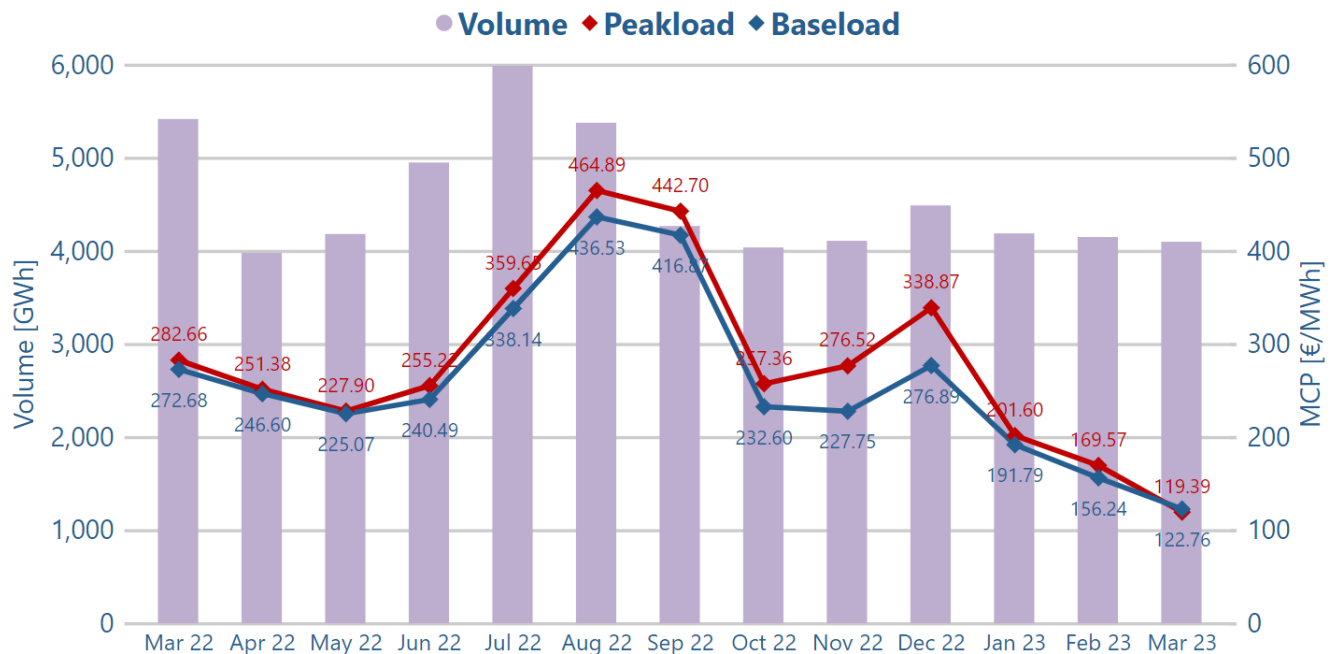


### 1.4. MCP duration curve

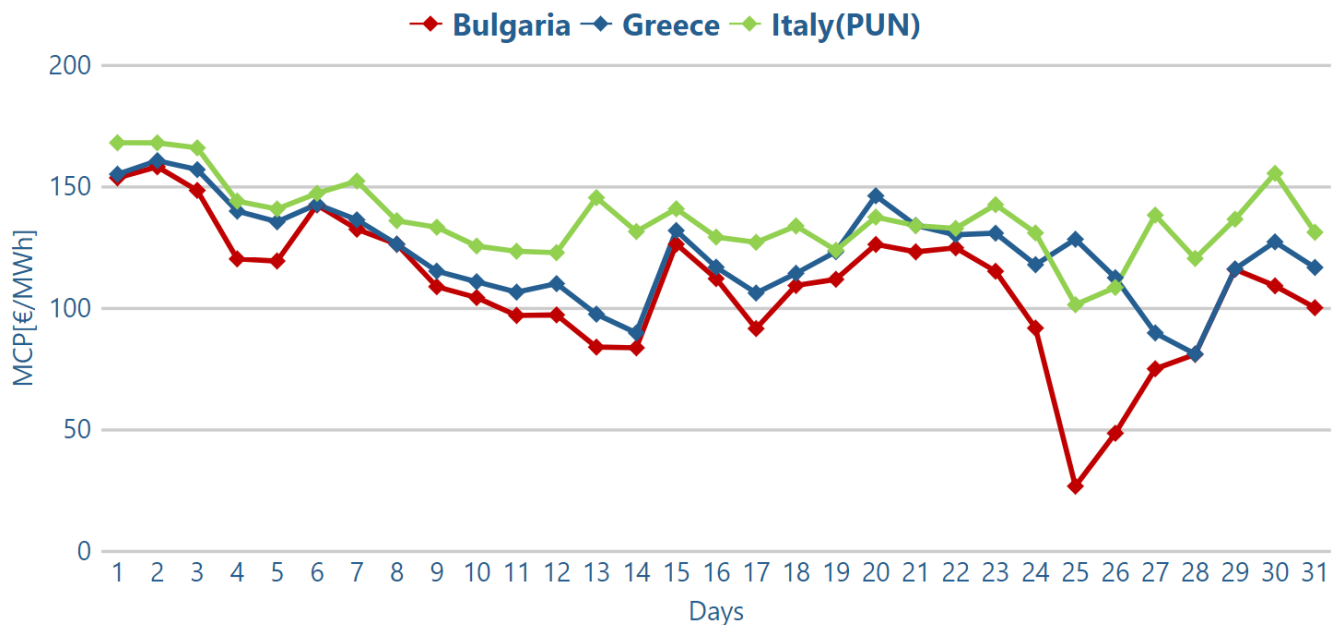




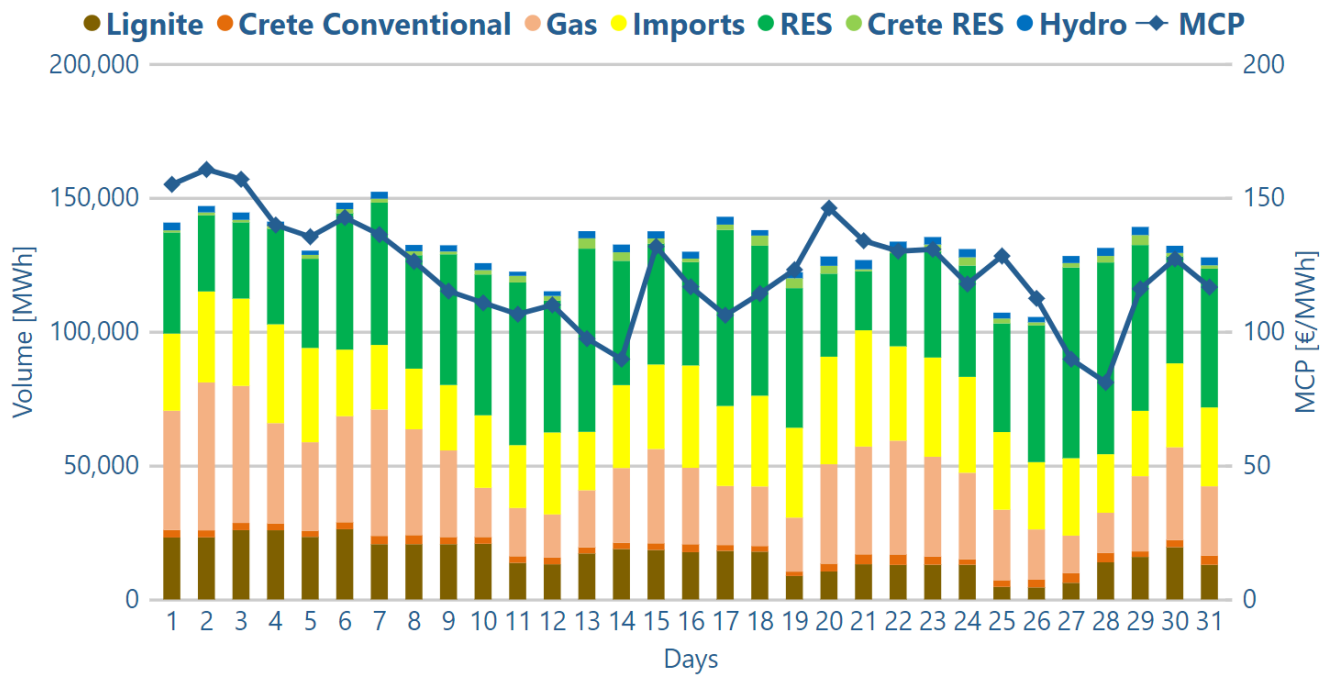
## 1.5. Monthly volume and average prices



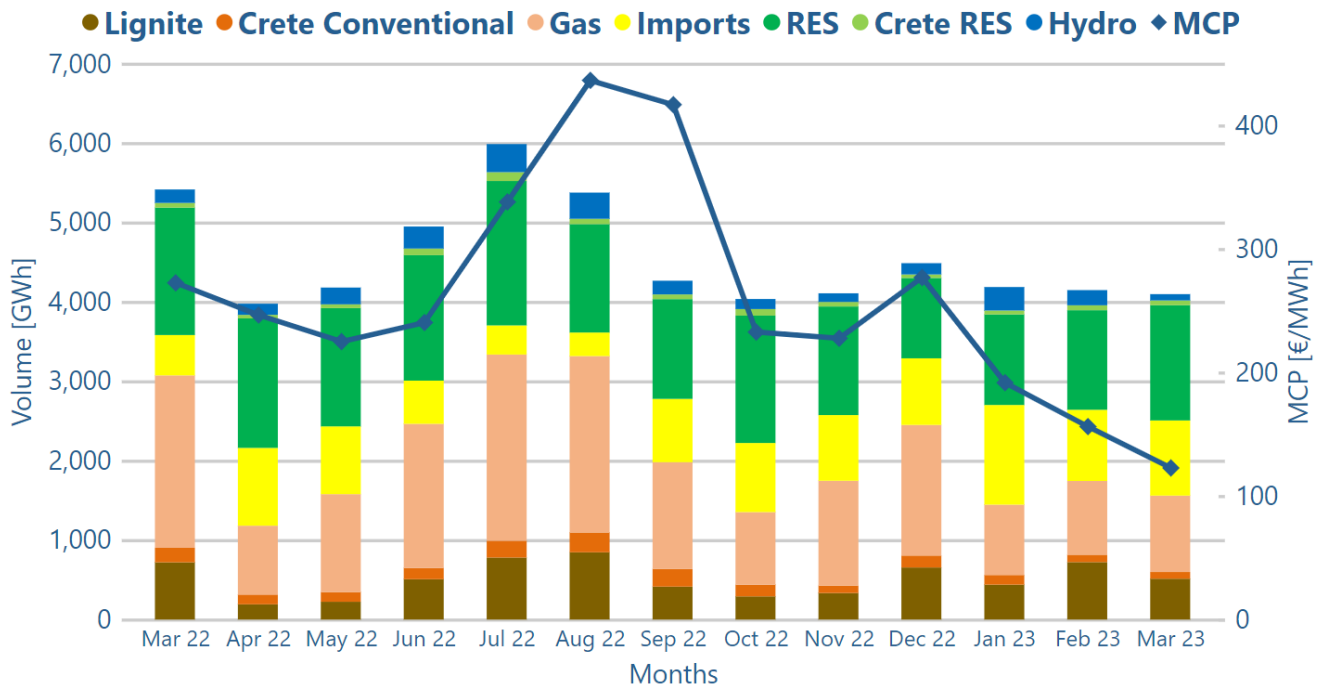
## 1.6. Daily average MCP of GR, IT, BG\*



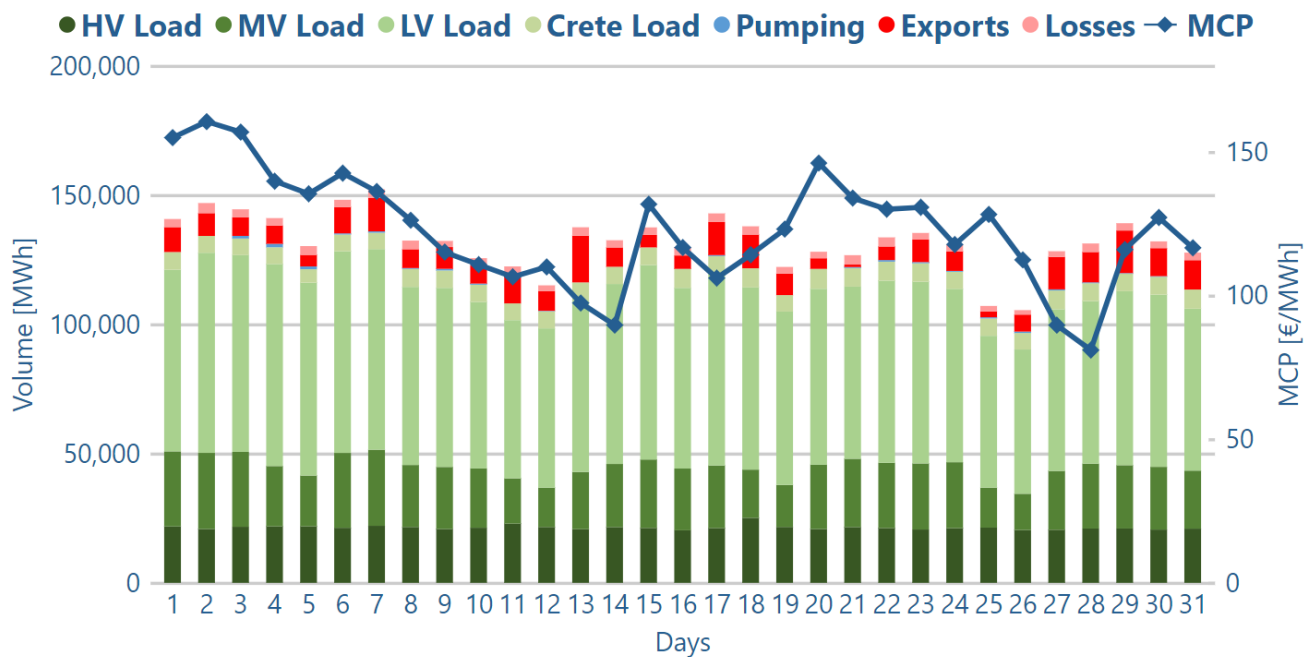
## 1.7. Volume mix of sell side per day



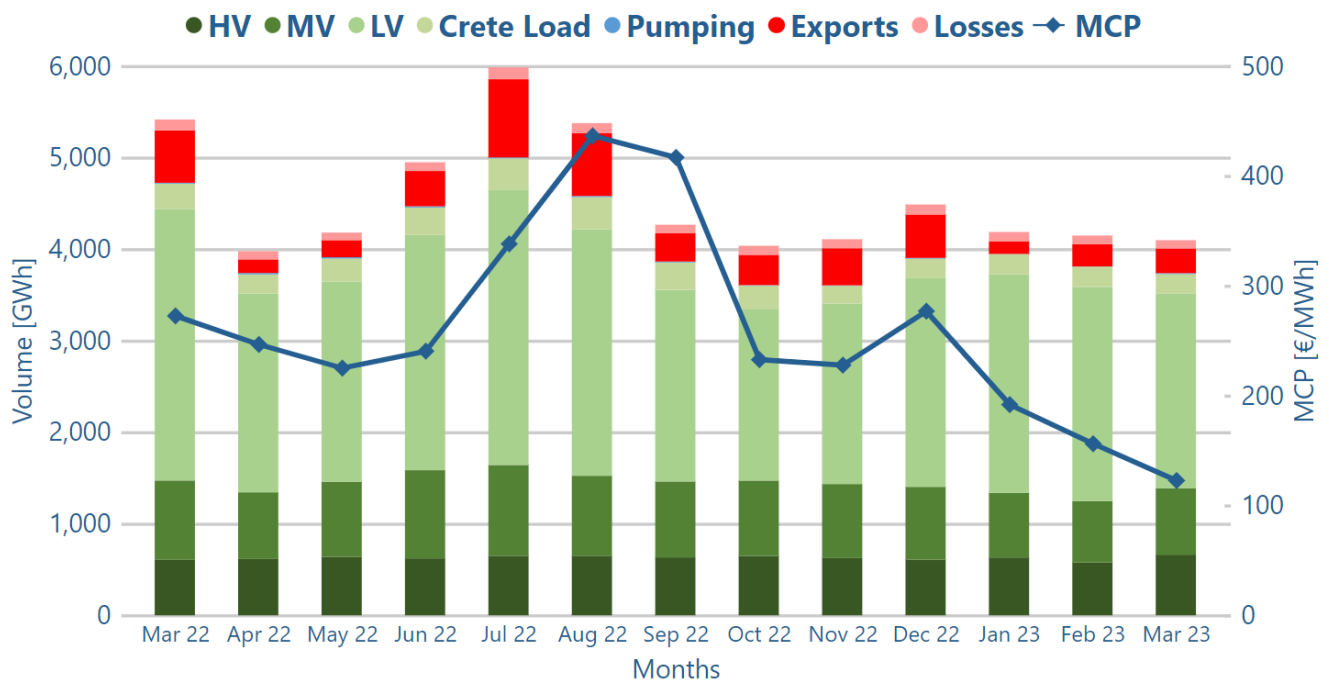
## 1.8. Volume mix of sell side per month



## 1.9. Volume mix of buy side per day



## 1.10. Volume mix of buy side per month

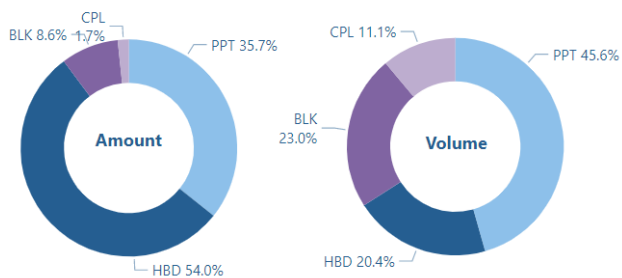


### 1.11. Table with MCP and volume per month

Year	Month	Minimum MCP [€/MWh]	Average MCP [€/MWh]		Maximum MCP [€/MWh]	Peakload MCP [€/MWh]		Volume [Gwh]
2022	March	98.32	272.68	↑ 29%	600.07	282.66	↑ 26%	5,417
2022	April	0.09	246.60	↓ -10%	403.14	251.38	↓ -11%	3,978
2022	May	60.80	225.07	↓ -9%	338.65	227.90	↓ -9%	4,181
2022	June	20.23	240.49	↑ 7%	470.90	255.22	↑ 12%	4,950
2022	July	87.38	338.14	↑ 41%	686.25	359.65	↑ 41%	5,988
2022	August	90.00	436.53	↑ 29%	936.33	464.89	↑ 29%	5,377
2022	September	28.45	416.87	↓ -5%	742.72	442.70	↓ -5%	4,267
2022	October	30.53	232.60	↓ -44%	620.00	257.36	↓ -42%	4,037
2022	November	44.70	227.75	↓ -2%	503.55	276.52	↑ 7%	4,109
2022	December	-0.01	276.89	↑ 22%	600.10	338.87	↑ 23%	4,488
2023	January	0.49	191.79	↓ -31%	369.17	201.60	↓ -41%	4,188
2023	February	1.01	156.24	↓ -19%	287.32	169.57	↓ -16%	4,149
2023	March	4.95	122.76	↓ -21%	224.29	119.39	↓ -30%	4,098

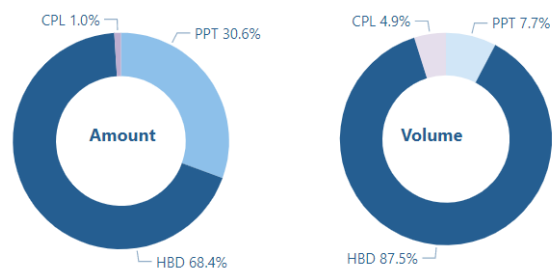
### 1.12. Trades per Order type

#### Sell Side



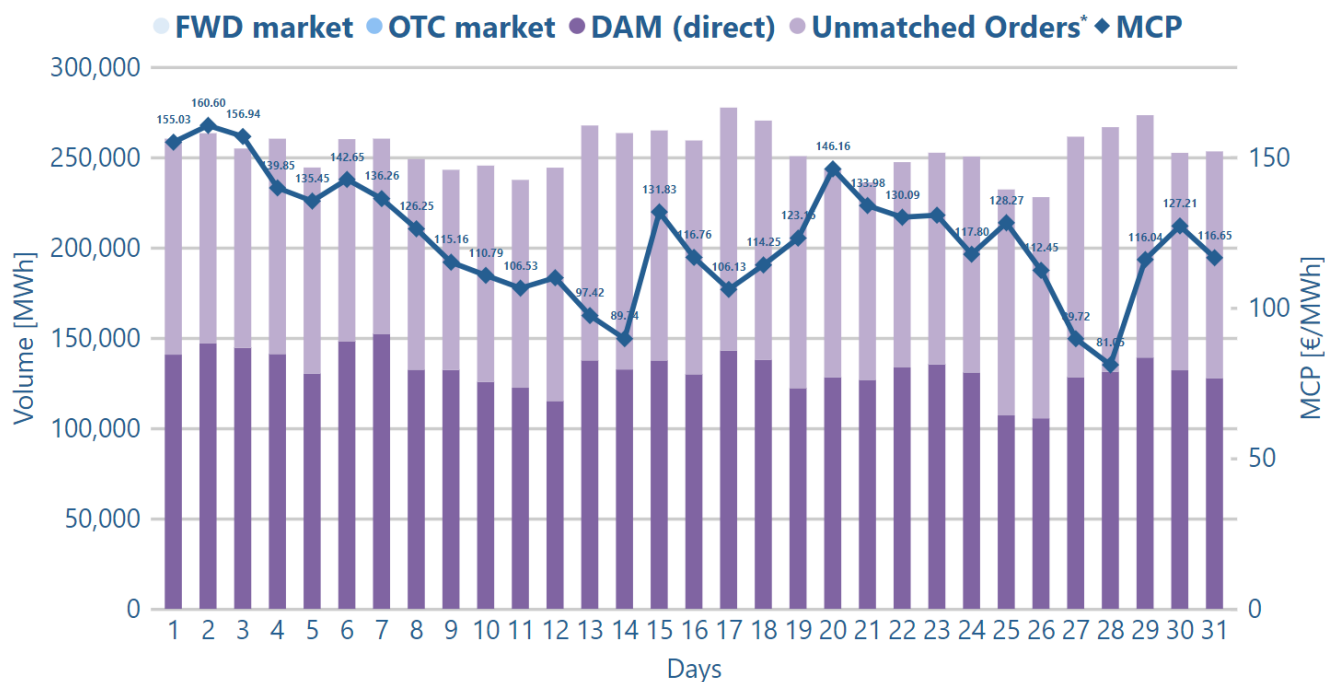
	PPT	HBD	BLK	CPL
Amount	19772	29885	4764	919
Volume [GWh]	1867	835	942	454

#### Buy Side



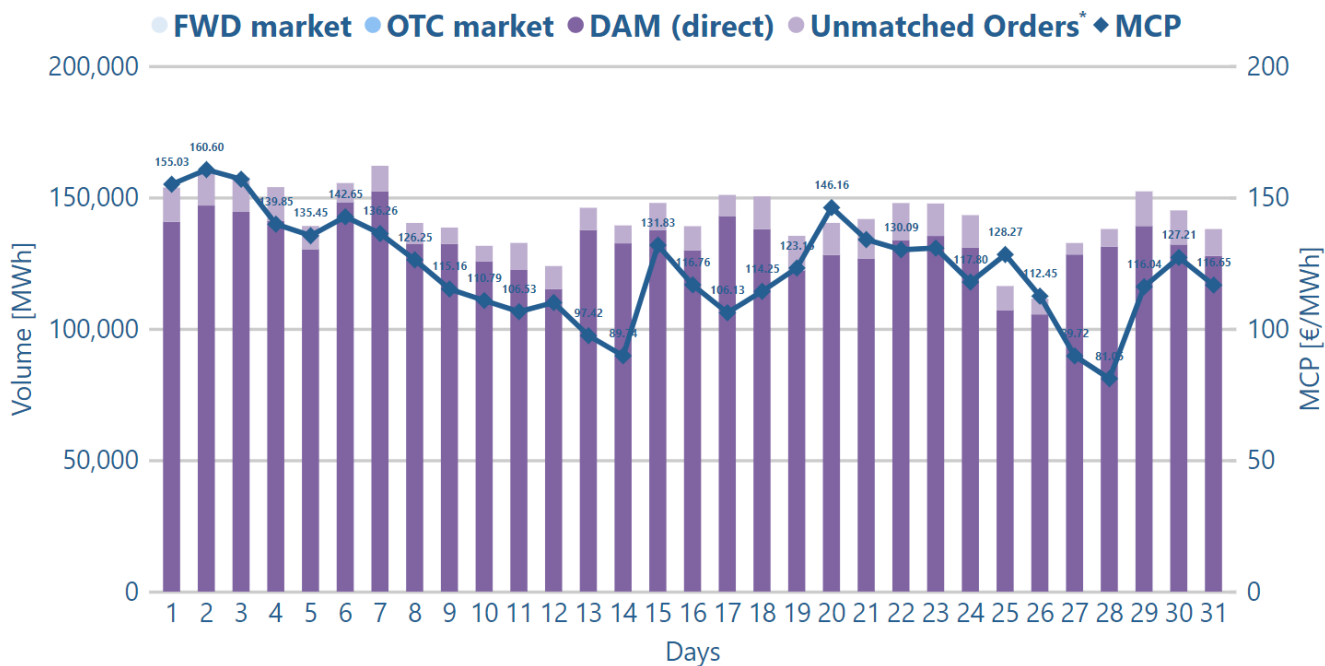
	PPT	HBD	CPL
Amount	16606	37190	539
Volume [GWh]	315	3584	199

### 1.13. Total volume and traded volume per Market Source of sell orders



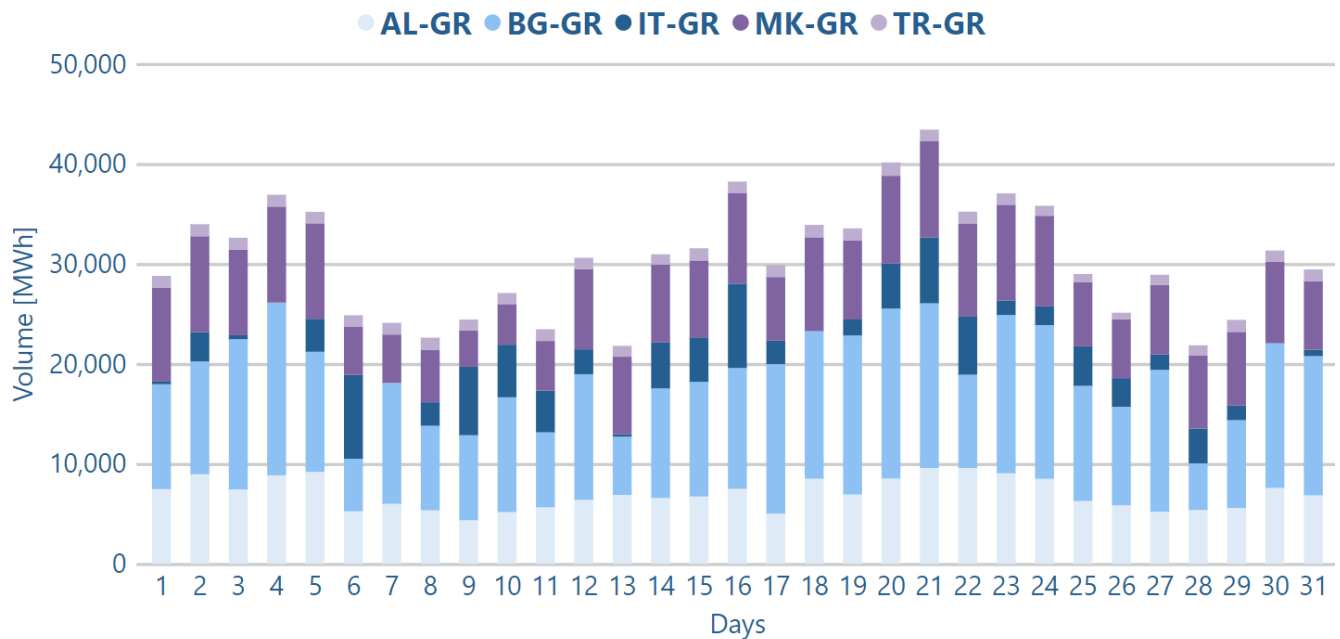
\*The Unmatched Orders include all sell orders that have not been cleared by the algorithm (excluding block orders).

### 1.14. Total volume and traded volume per Market Source of buy orders

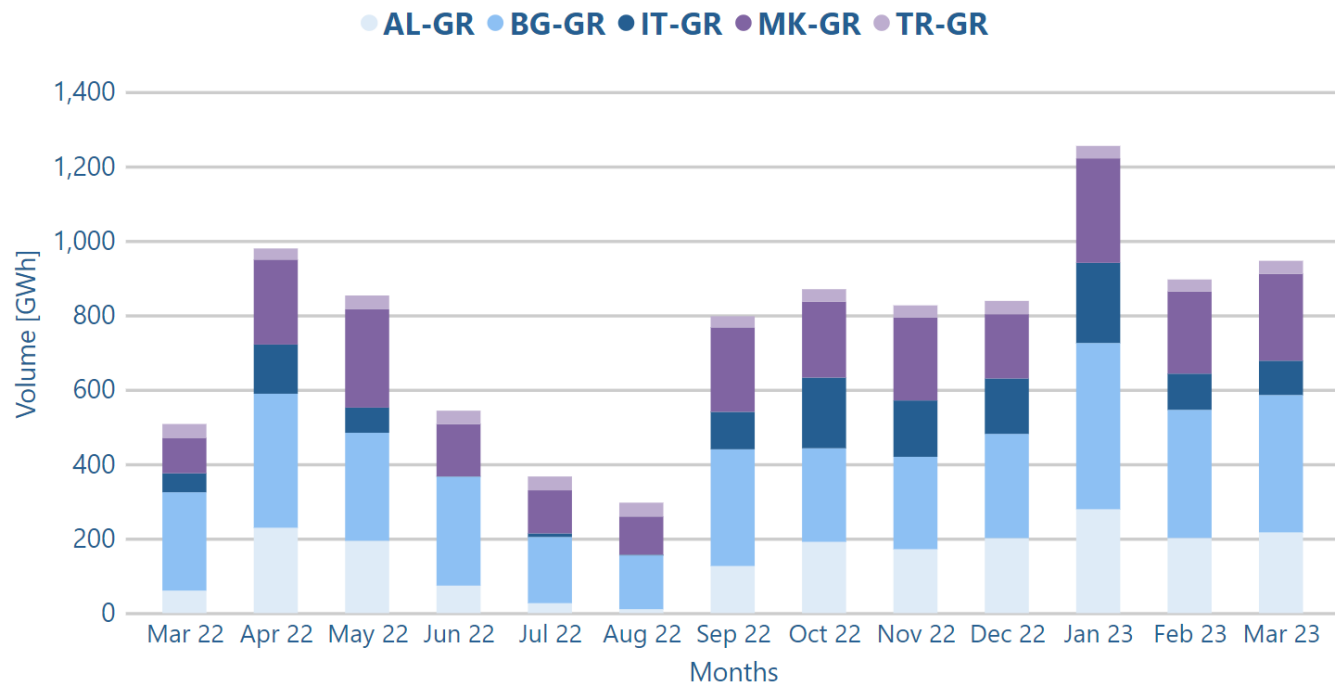


\*The Unmatched Orders include all buy orders that have not been cleared by the algorithm.

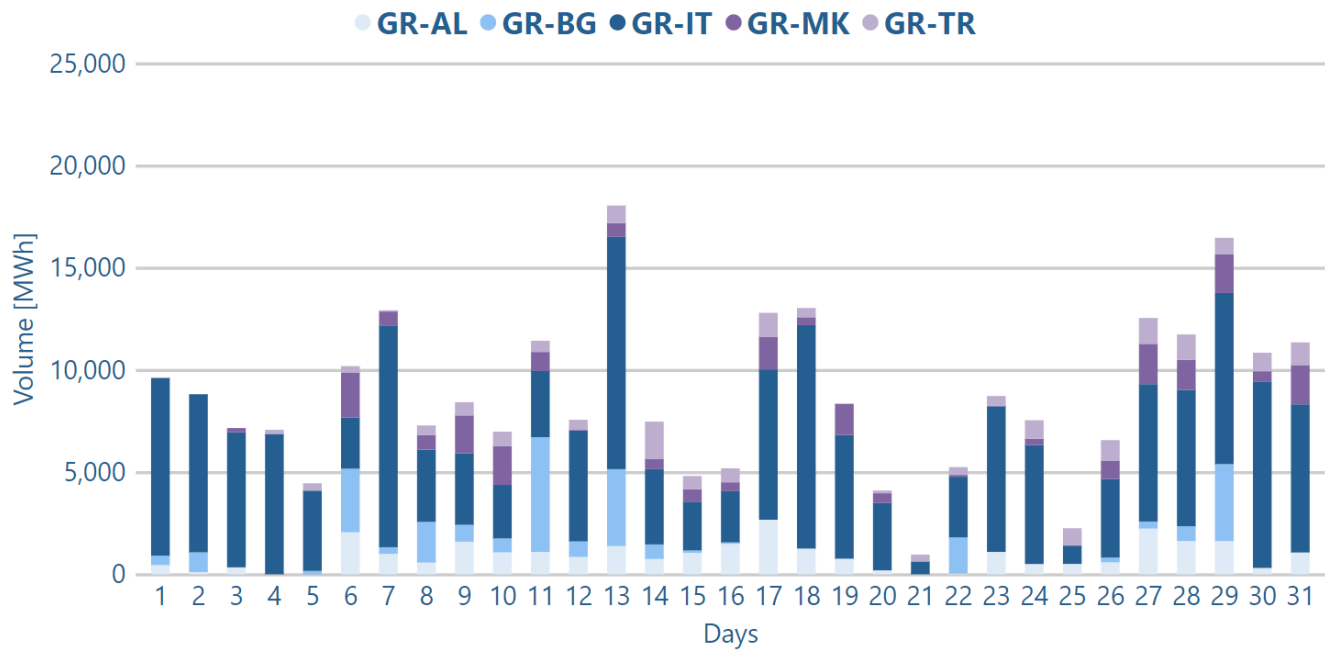
### 1.15. Cross Border volume · Imports per day



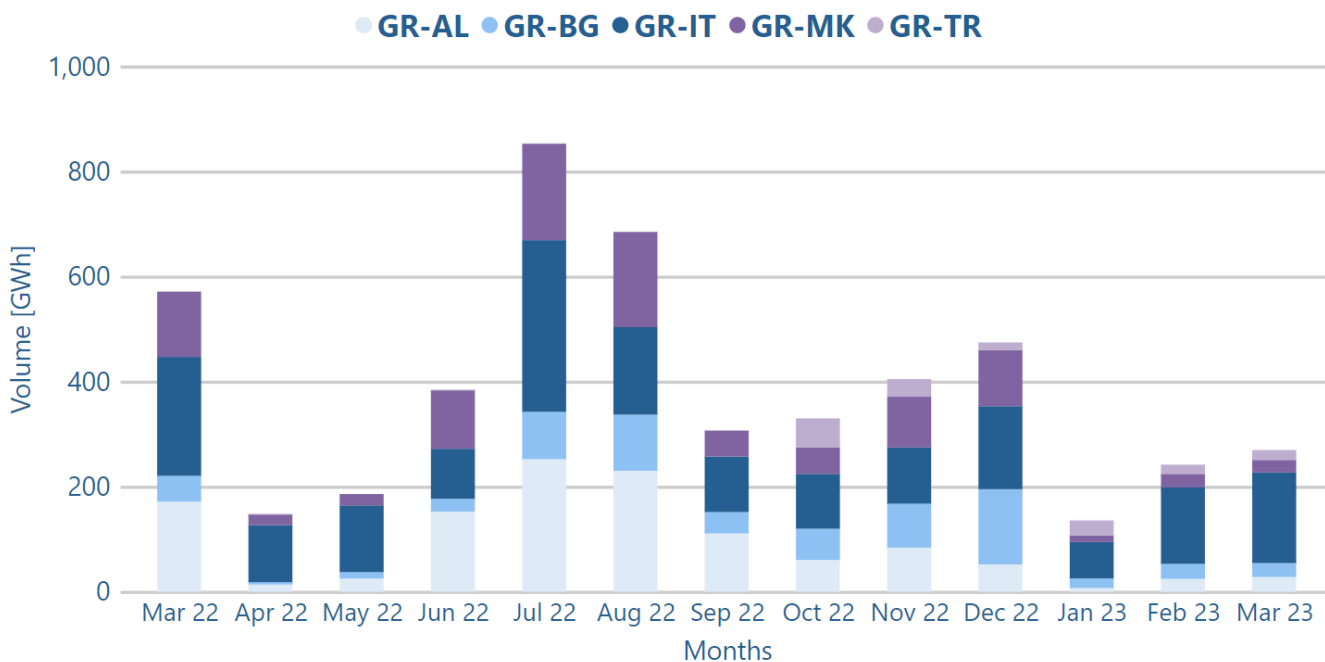
### 1.16. Cross Border Volume · Imports per month



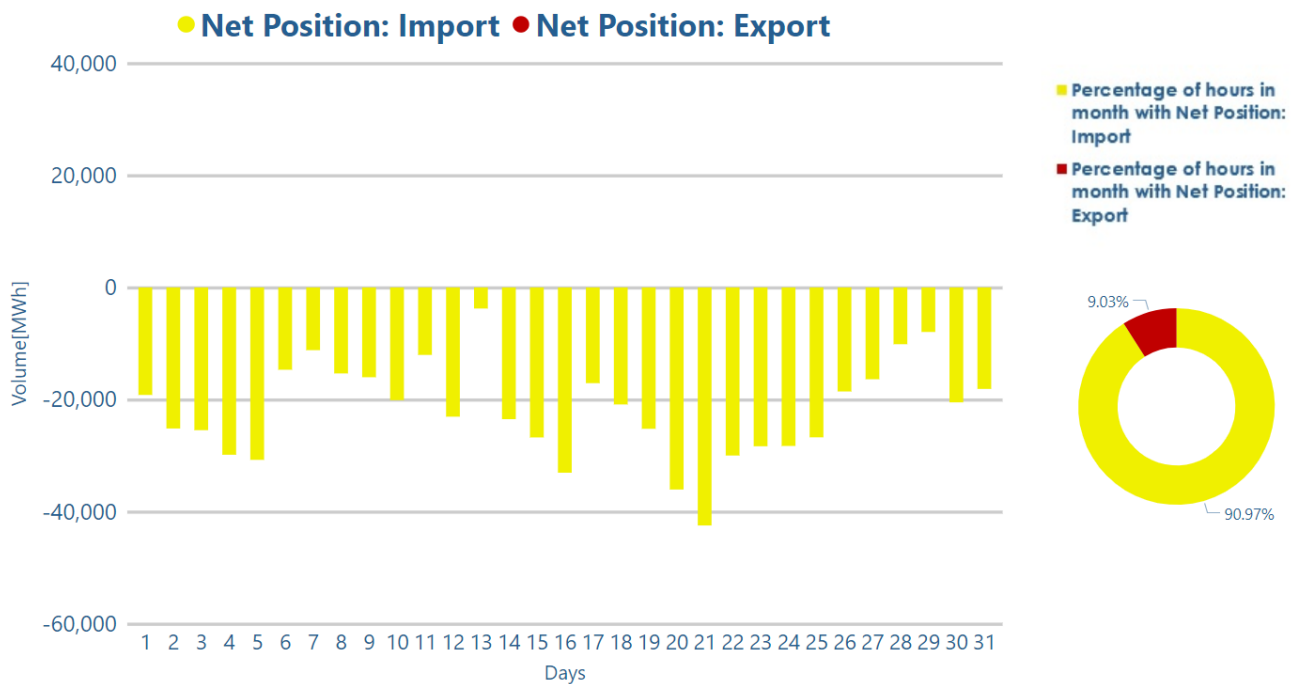
### 1.17. Cross Border volume · Exports per day



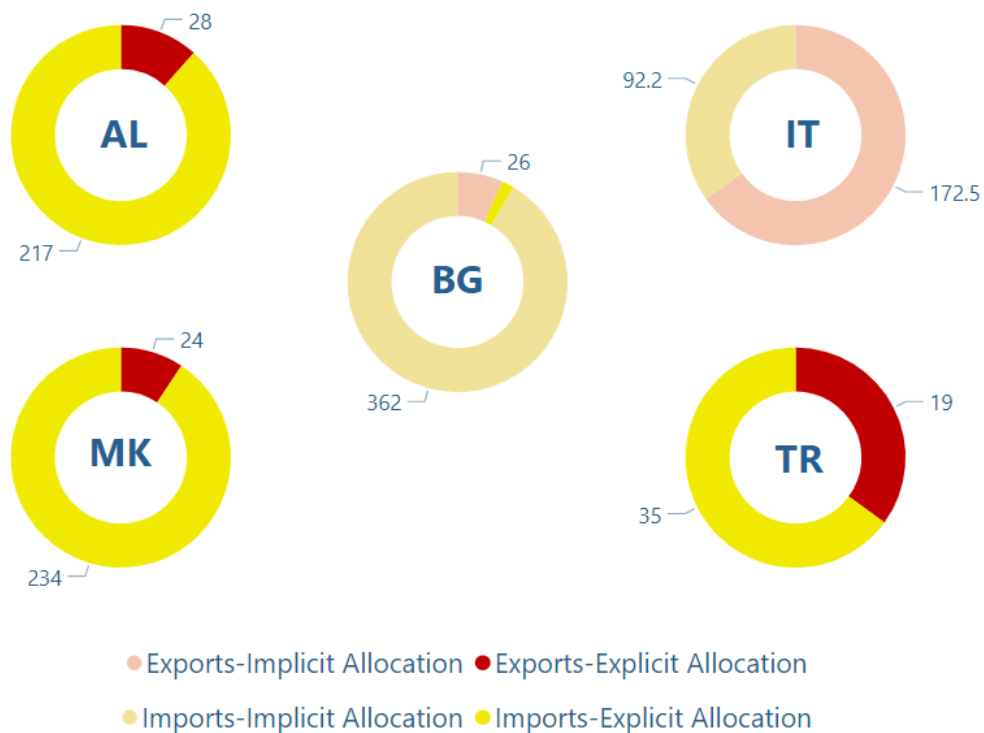
### 1.18. Cross Border Volume · Exports per month



## 1.19. Net position of all cross-border flows

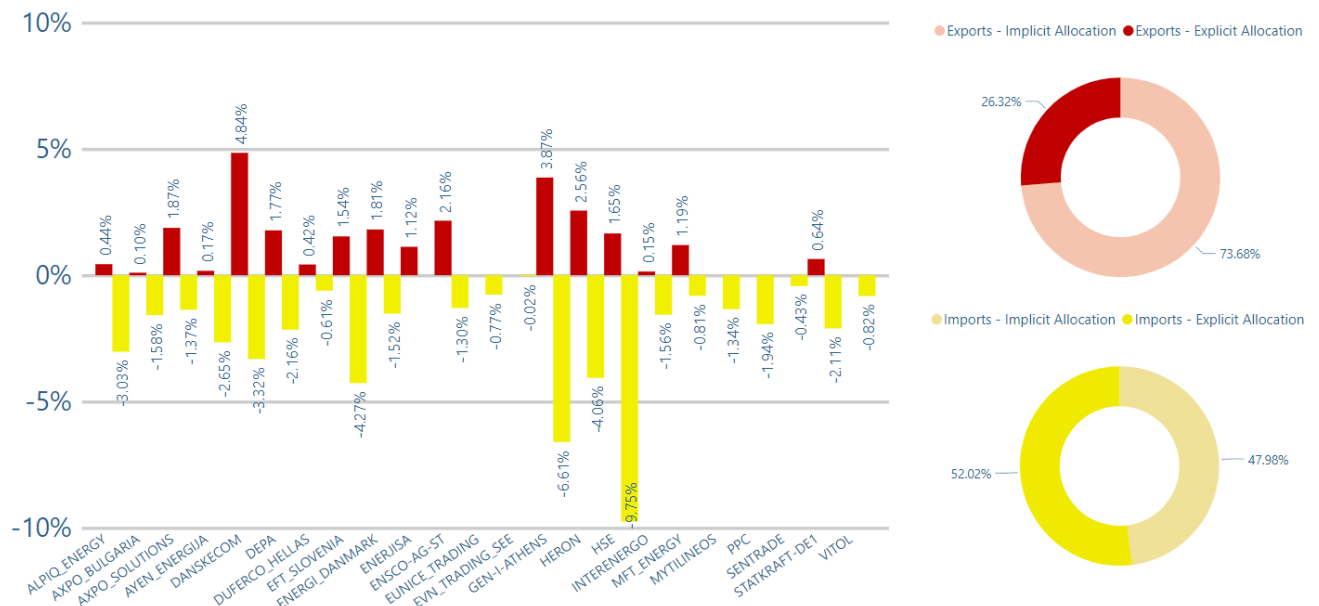


## 1.20. Cross Border Volumes (GWh) per Border

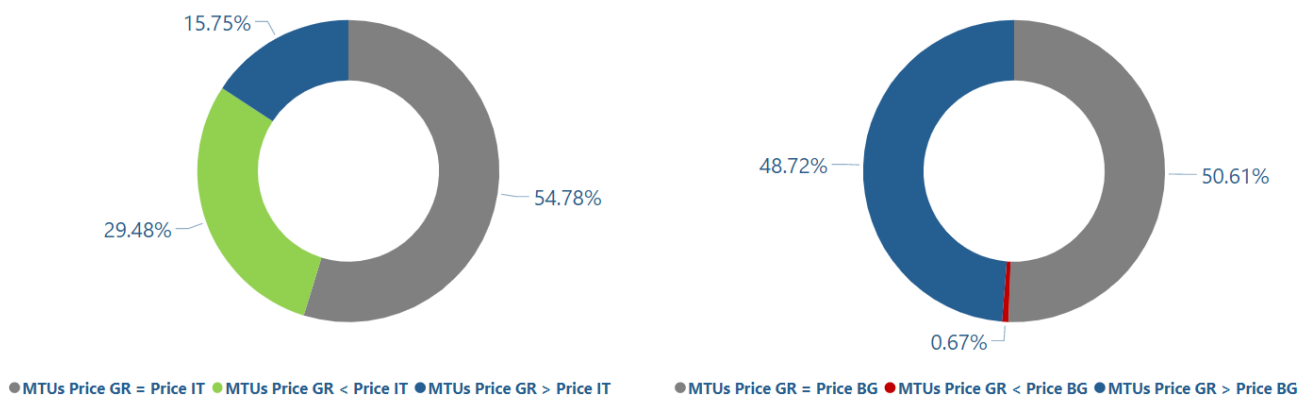




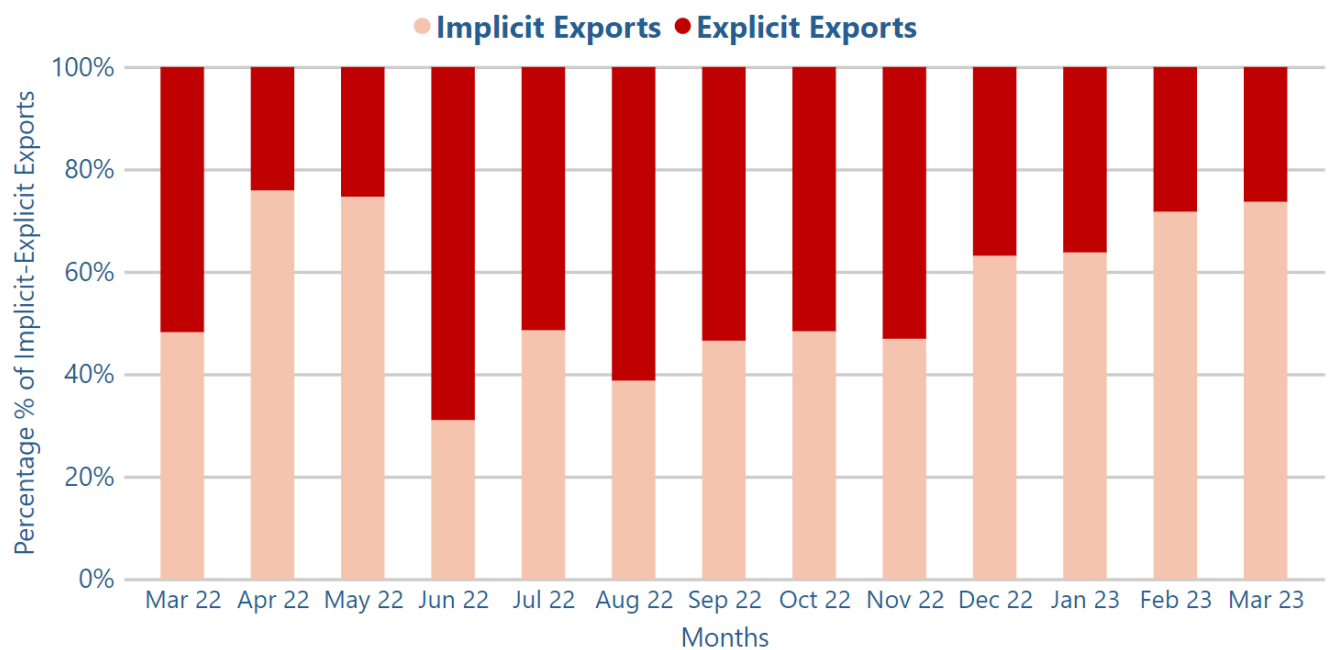
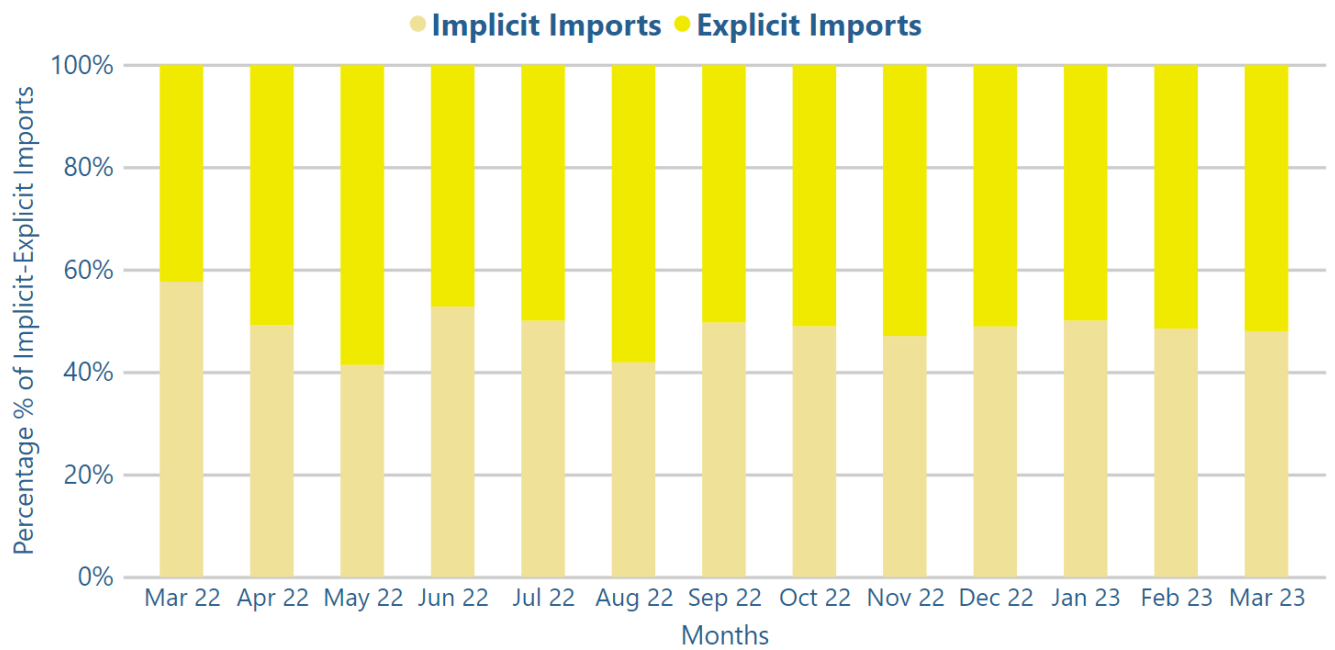
## 1.21. Market Shares of Imports and Exports per Market Participant



## 1.22. Price Coupling Data



## 1.23. Coupling Evolution

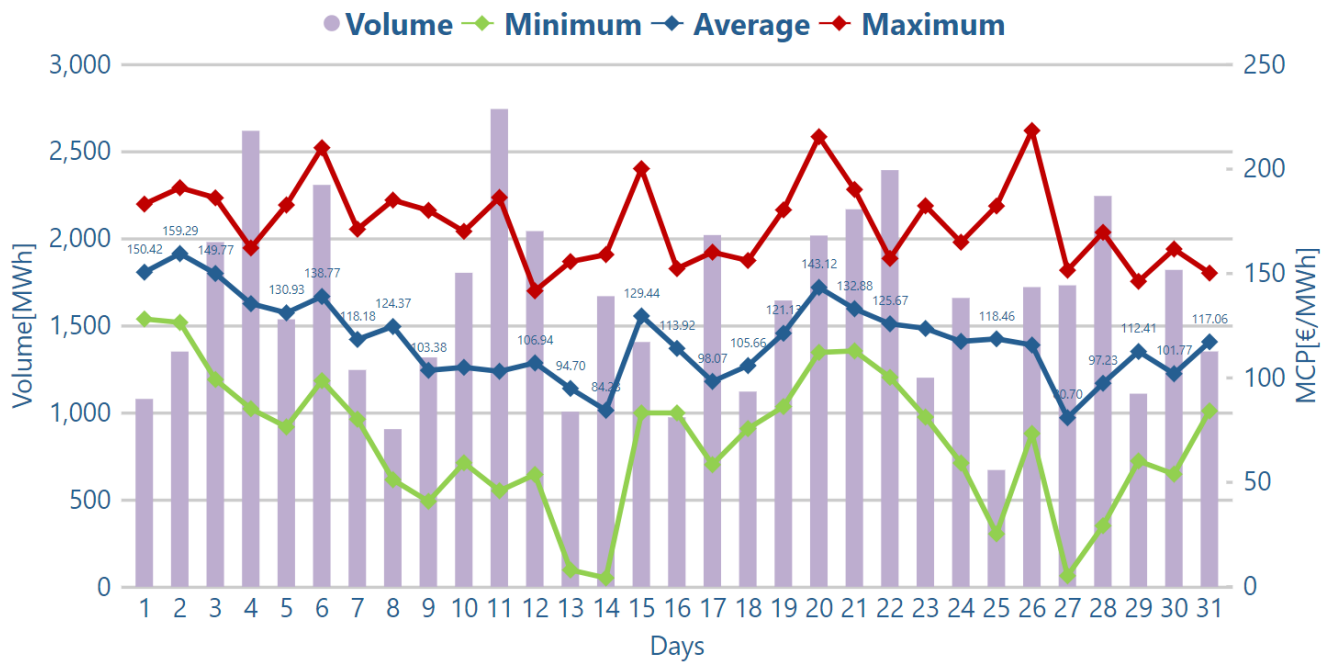


## 2. IDM

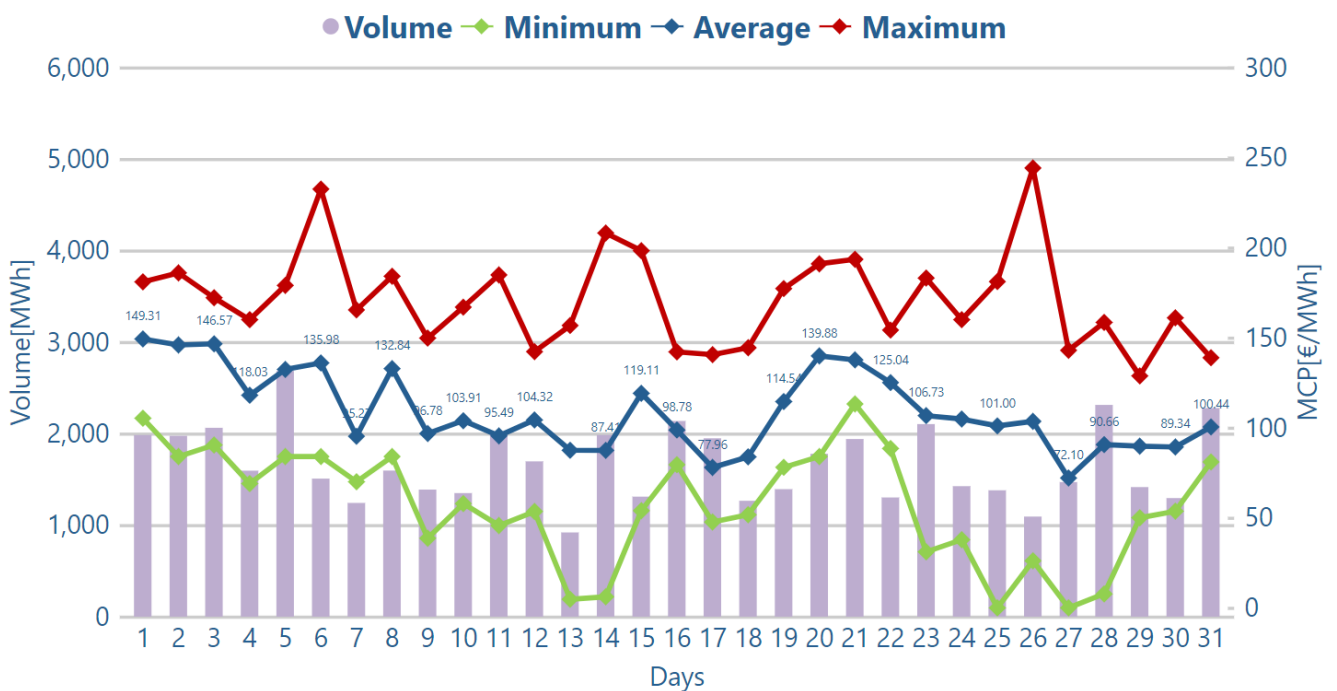
Market Clearing Prices (MCP)

Volumes, technologies and order types

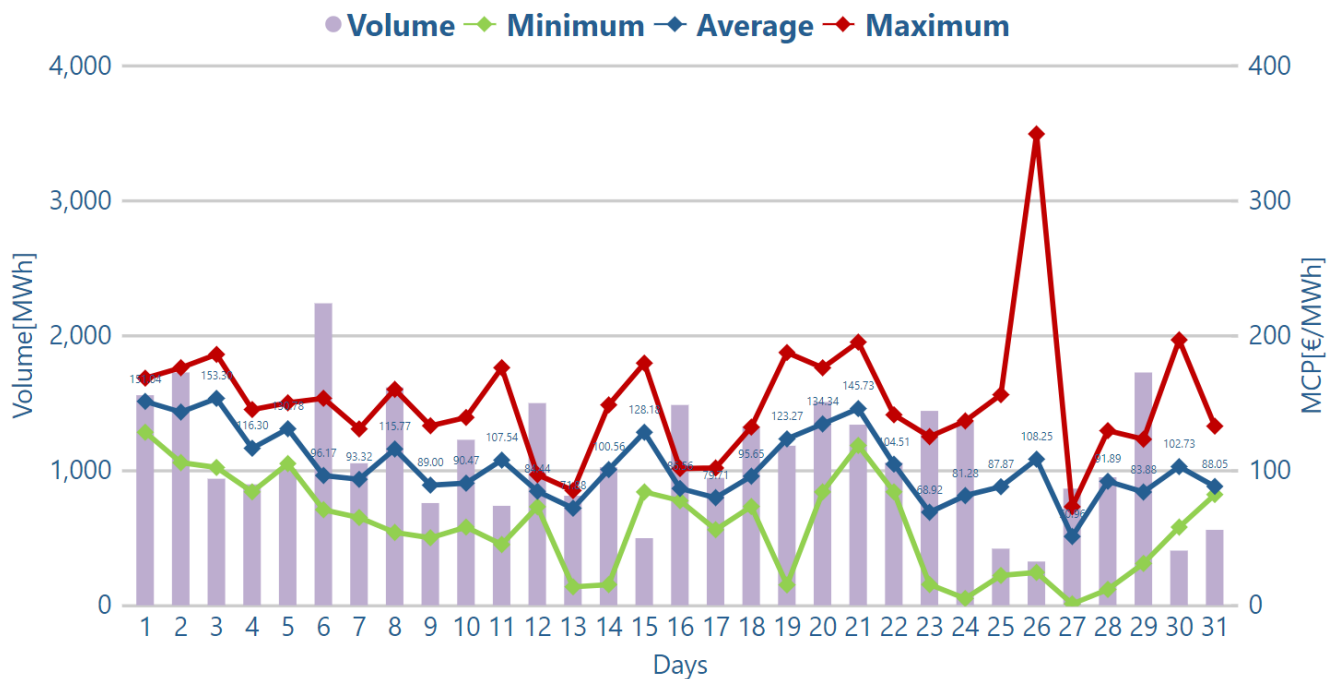
## 2.1. Daily MCP and volume · CRIDA1



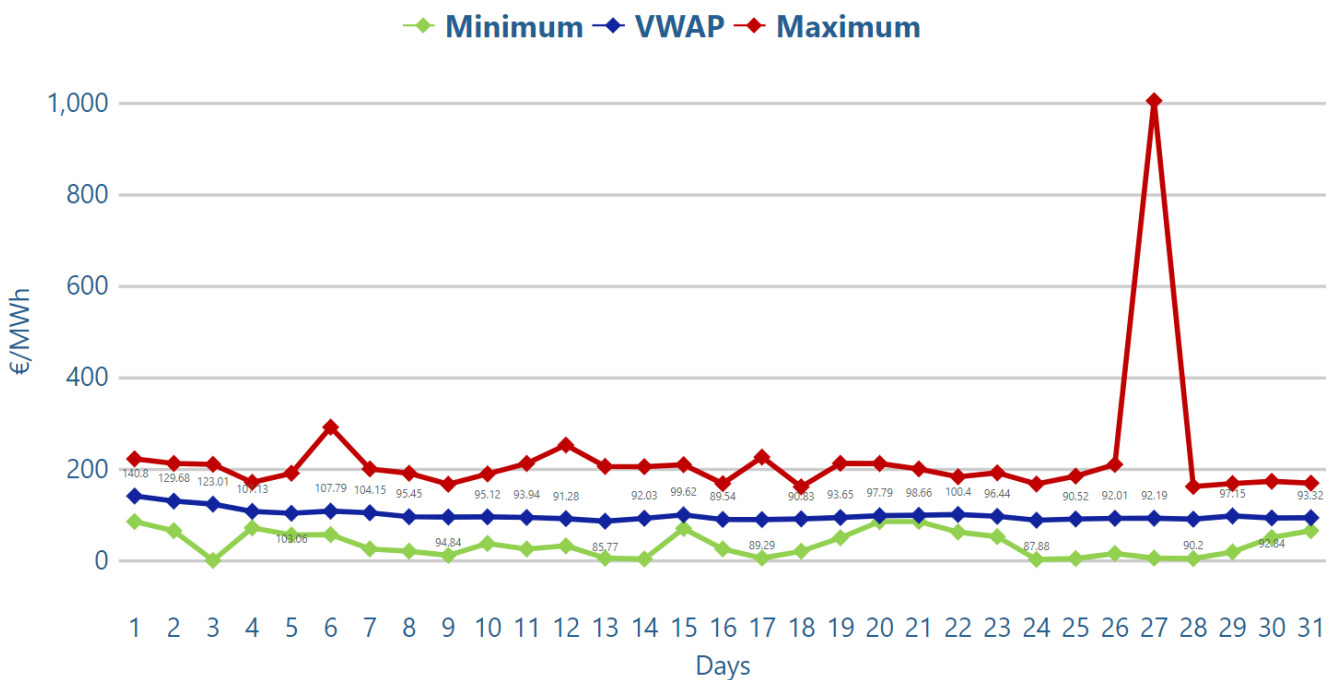
## 2.2. Daily MCP and volume · CRIDA2



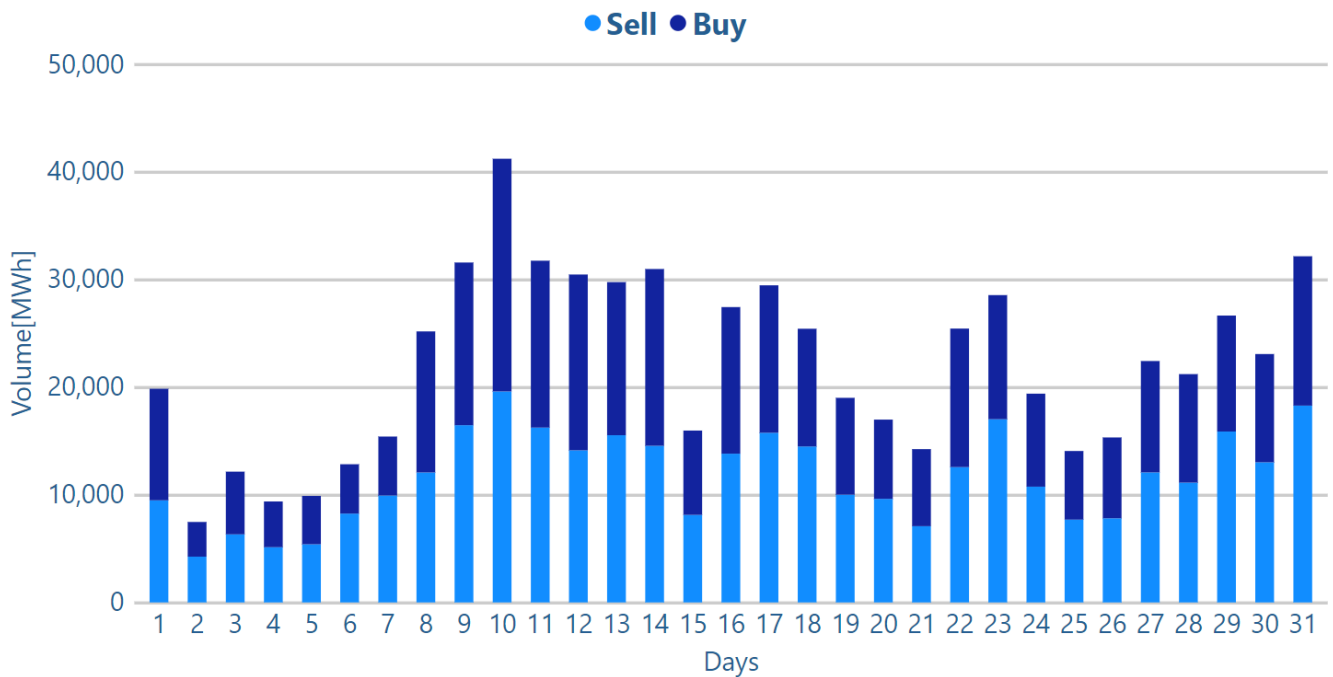
### 2.3. Daily MCP and volume · CRIDA3



### 2.4. Daily XBID Weighted Average Prices



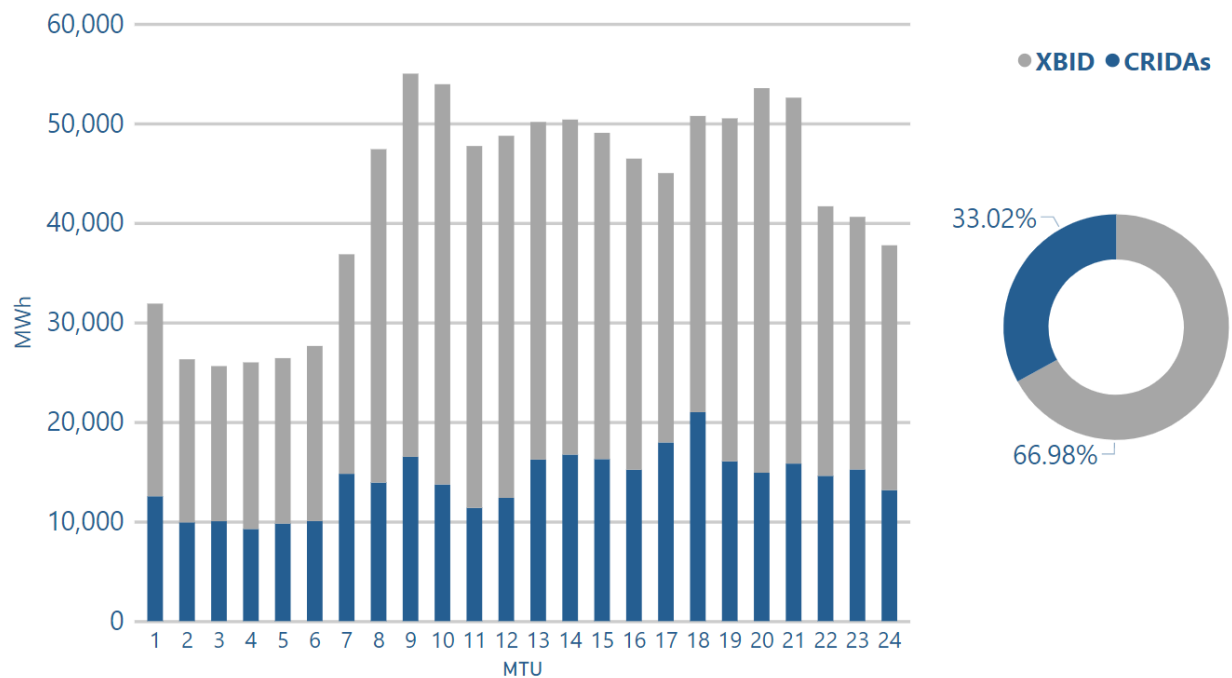
## 2.5. Daily XBID Volumes



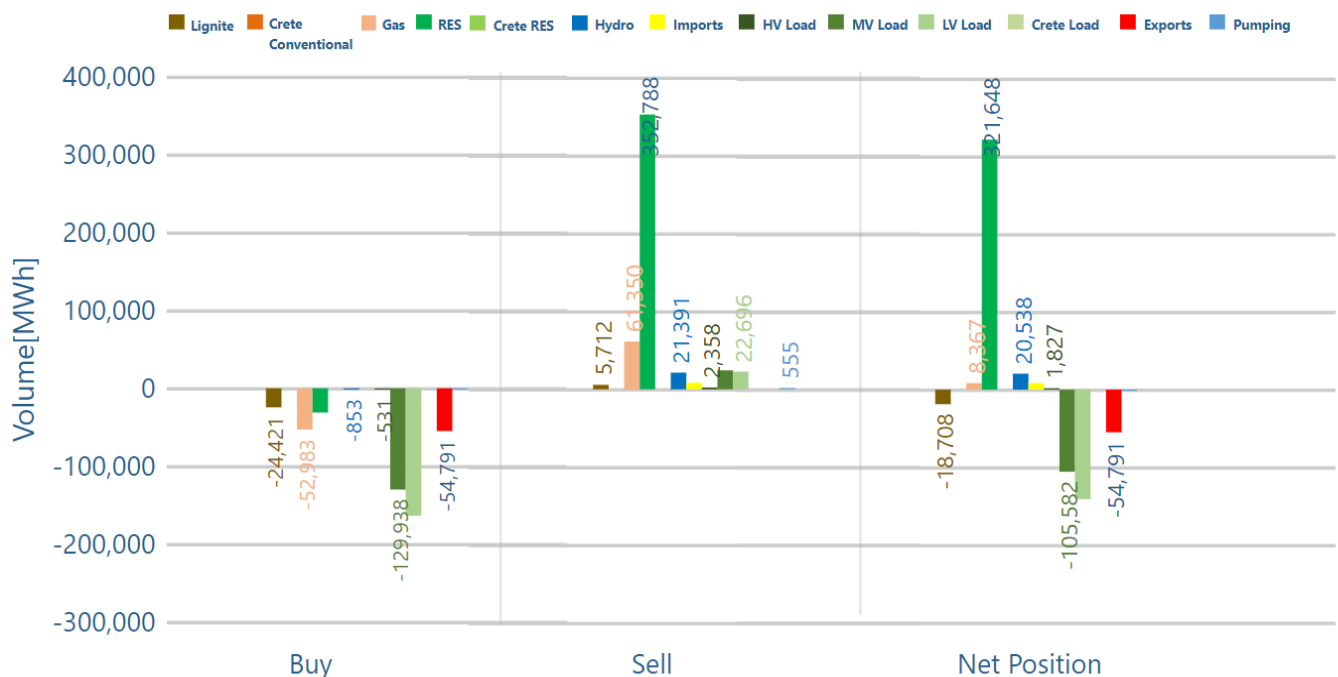
## 2.6. Table with MCP and volume

Month			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
CRIDA1	Price [€/MWh]	min	0	60.19	19.42	109.14	143.45	28.46	25	44.70	0	-90.28	0.90	3.95
		avg	243.67	223.32	237.46	316.84	422.60	402.94	226.04	225.09	281.89	191.07	149.98	118.00
		max	423.3	388.65	464.58	681	991.84	715.06	635.50	700	1.06K	700.00	267	218.22
	Volume [MWh]		52,098	52,839	34,436	162,941	183,959	146,571	86,125	59,666	32,236	31,952	41,868	50,834
CRIDA2	Price [€/MWh]	min	0.01	60.9	20.13	0	126.29	28.45	29.92	44.70	0.20	-47.45	-0.01	0
		avg	245.06	221.25	236.83	288.59	395.14	387.59	205.56	212.60	273.38	173.21	138.04	109.27
		max	422.5	350	479	701	1011	900	636.55	750	1.05K	531	500	244.22
	Volume [MWh]		41,923	41,935	39,002	45,893	45,307	60,862	66,295	59,260	18,677	44,385	53,775	51,859
CRIDA3	Price [€/MWh]	min	0	64.3	24.11	0	82.95	-76.05	-41.27	43	-0.40	0	-0.99	1
		avg	241.43	225.71	253.13	323.58	425.80	391.61	213.59	226.36	277.57	180.25	141.56	103.40
		max	394.7	350	469.04	726	1876	850	750	630	750	700	600	349.22
	Volume [MWh]		24,779	30,263	28,075	29,003	22,083	32,006	33,518	29,394	16,216	33,372	36,150	34,449
XBID	Price [€/MWh]	min								129	-3	-3.80	-1.90	0
		VWAP								362.04	276.88	109.69	103.78	96.39
		max								493.55	660	413.90	300	1005
	AV.Volume [MWh]									7,384	339,205	261,922	356,502	342,283

## 2.7. Comparison of Trading Volumes of IDM per MTU



## 2.8. Volume mix per side and net position for IDM



### 3. DAM & IDM · Aggregated Overview

**Final Market Schedules**

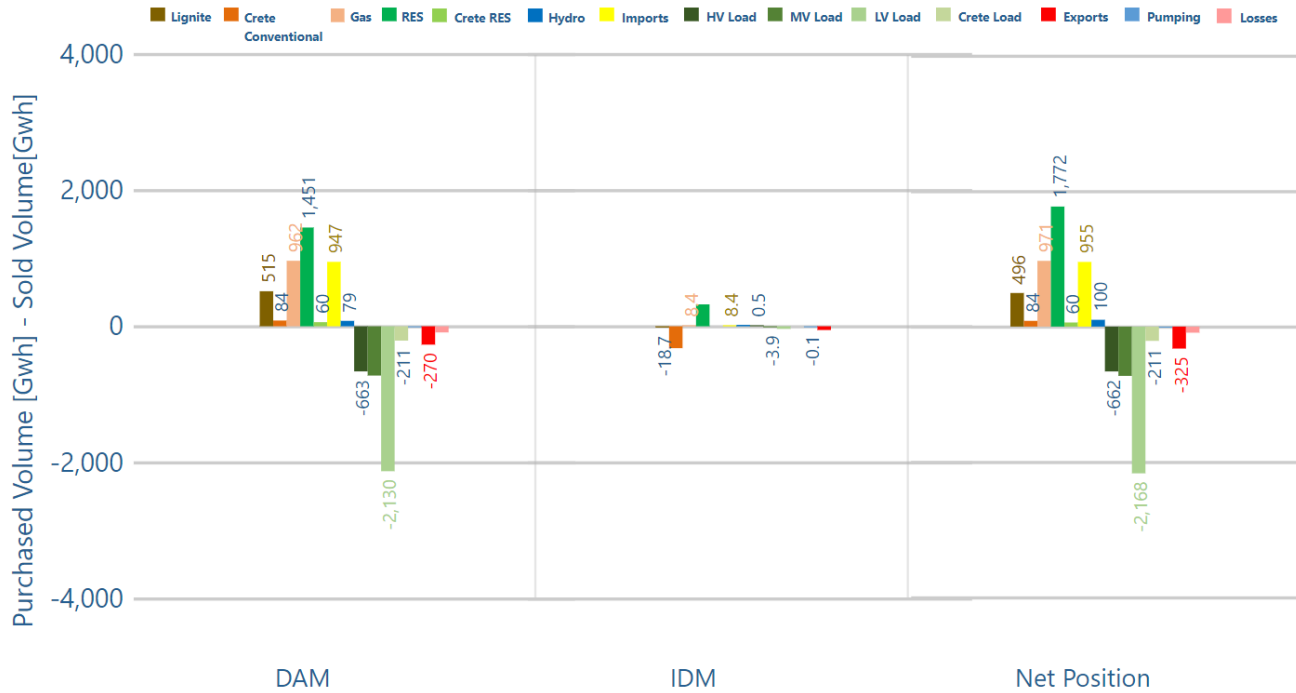
**Domestic Production**

**Domestic Consumption**

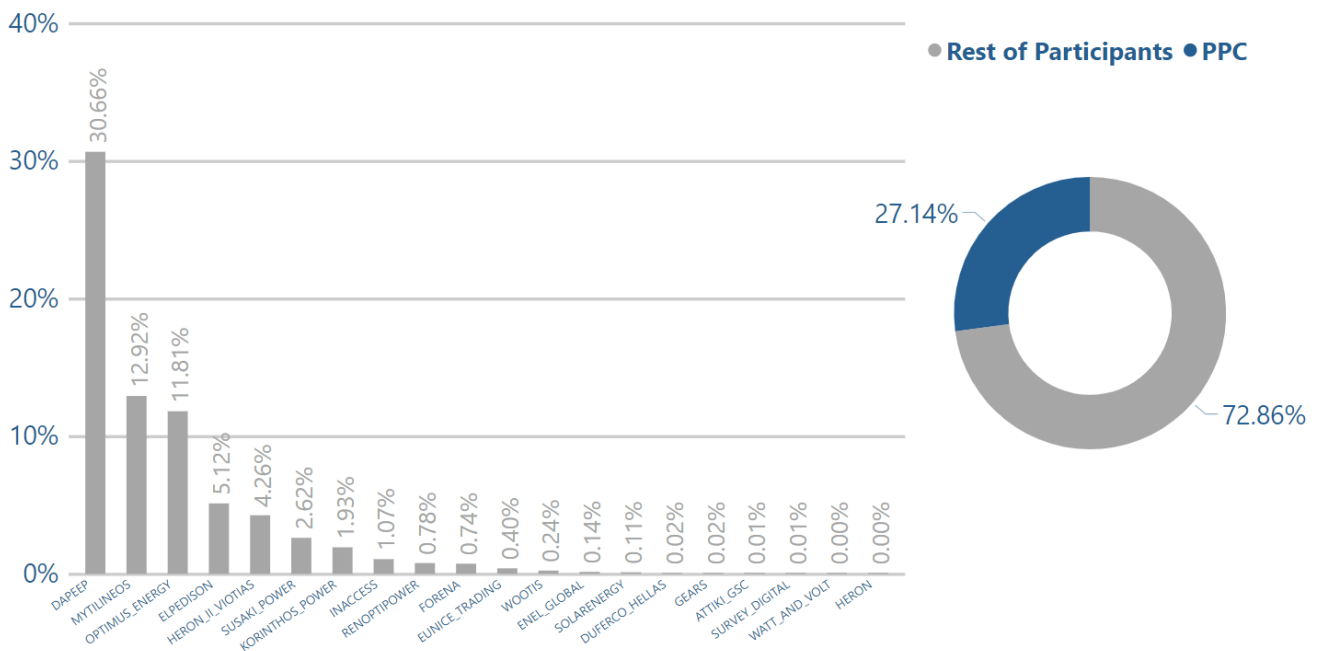
**Domestic Consumption per Voltage level**



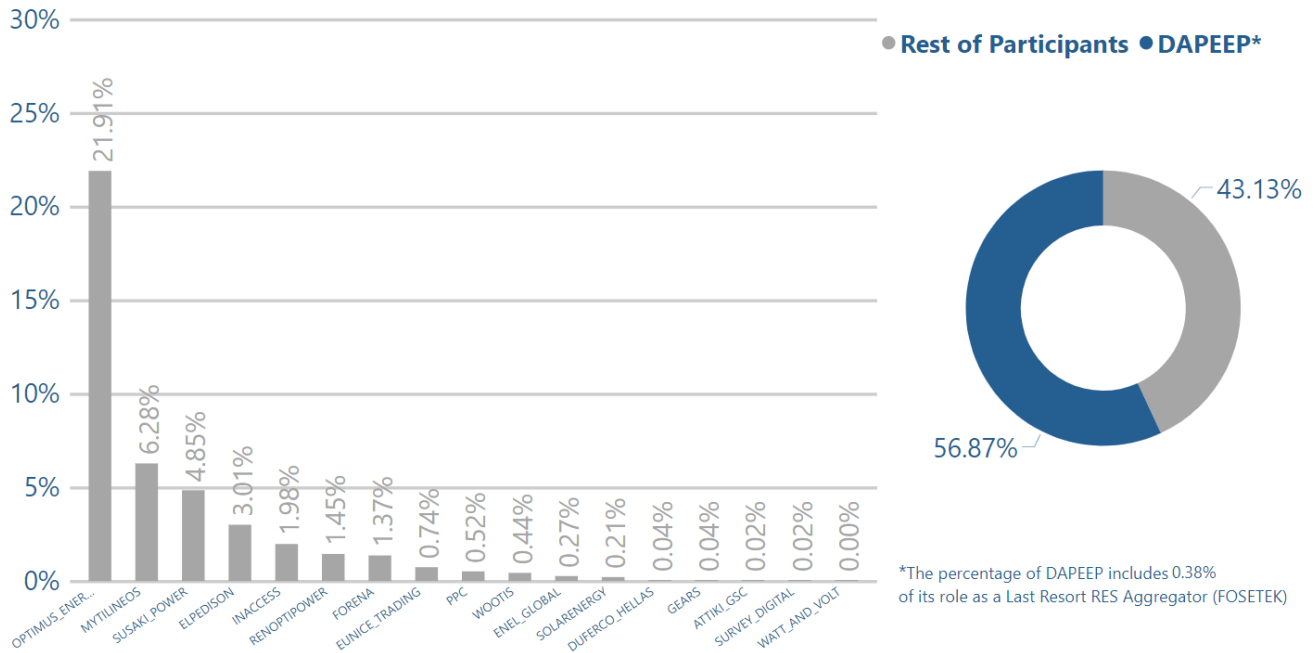
### 3.1 Market Schedules



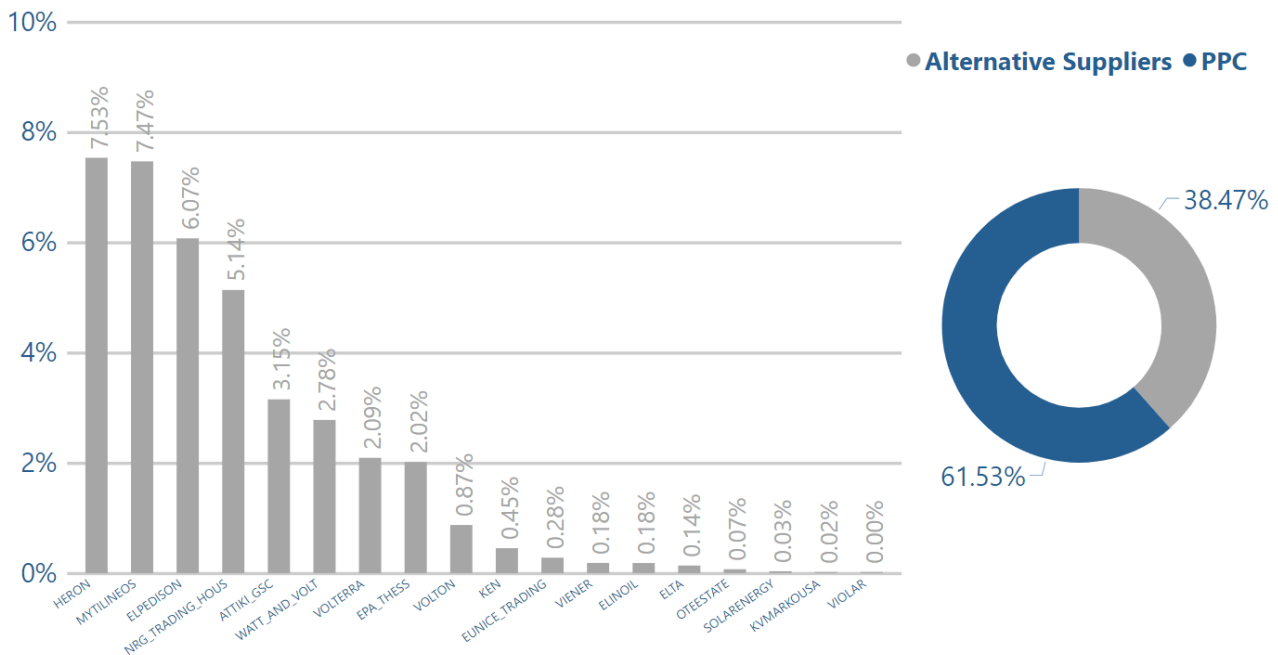
### 3.2 Final Market Schedules shares for all production units per Market Participant · Greek Bidding Zone



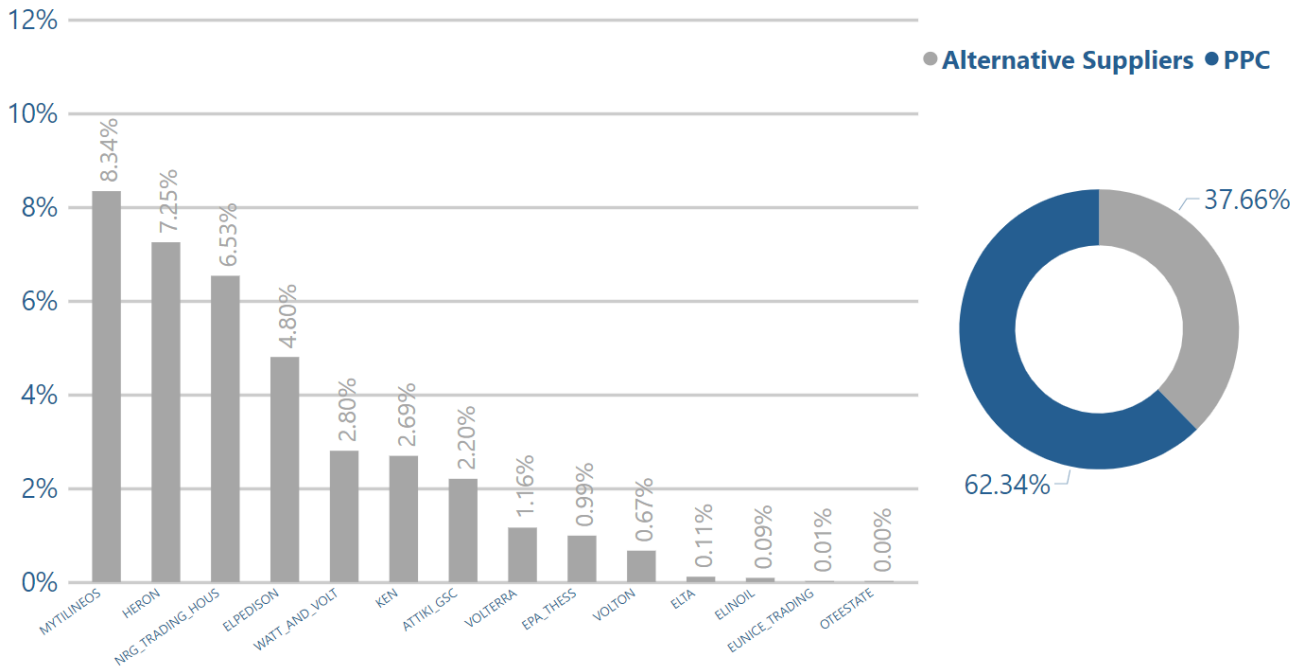
### 3.3 Final Market Schedules shares for RES production units per Market Participant · Greek Bidding Zone



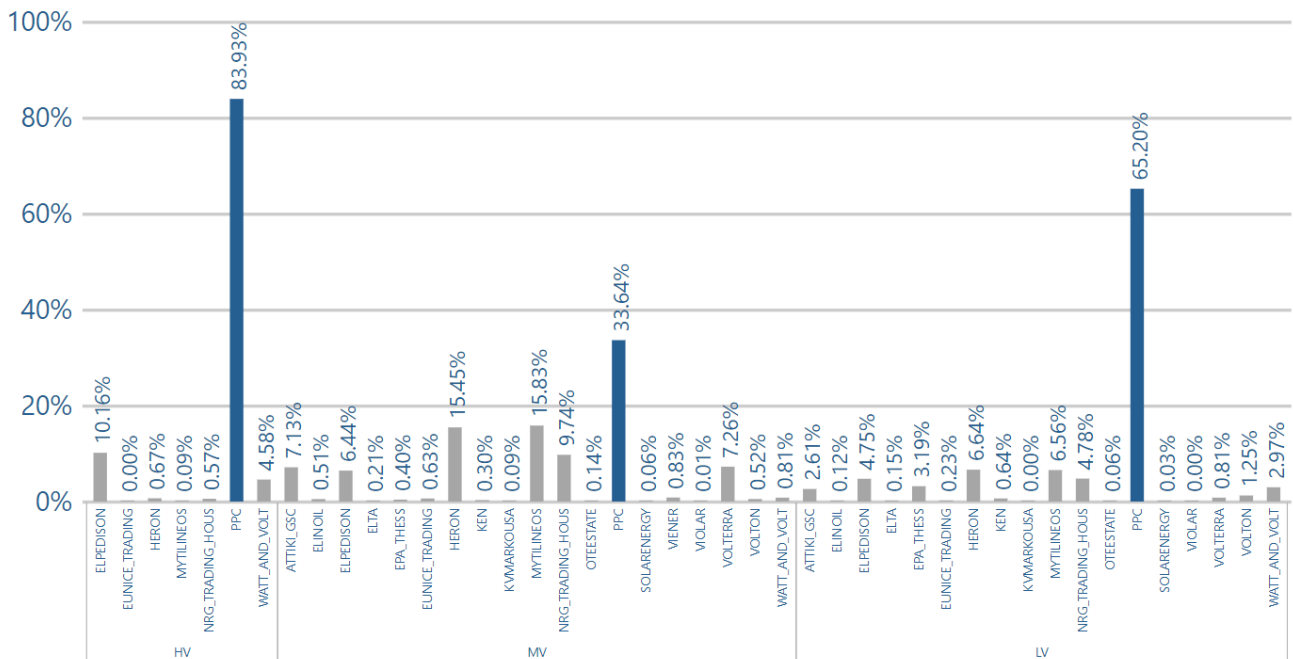
### 3.4 Final Market Schedules shares for domestic load per Market Participant · Mainland



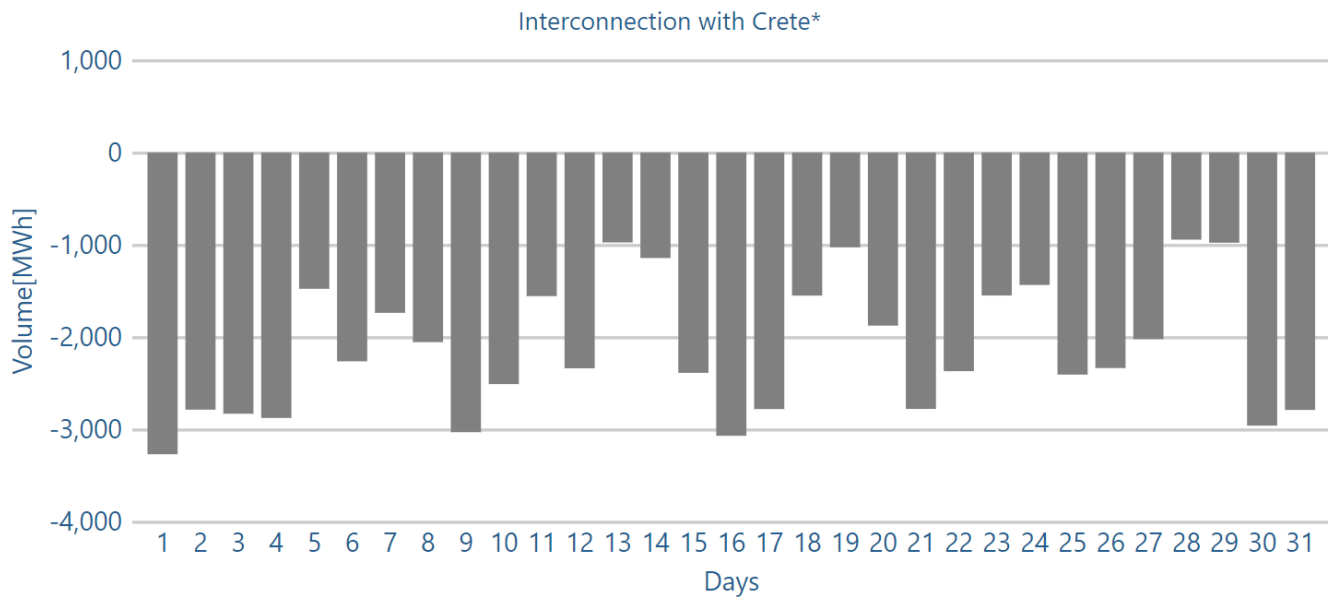
### 3.5 Final Market Schedules shares for domestic load per Market Participant · Crete



### 3.6 Final Market Schedules shares for domestic load per Market Participant at each Voltage Level · Mainland



### 3.7 Energy flow between Greece Mainland and Crete



## 4 Natural Gas TP

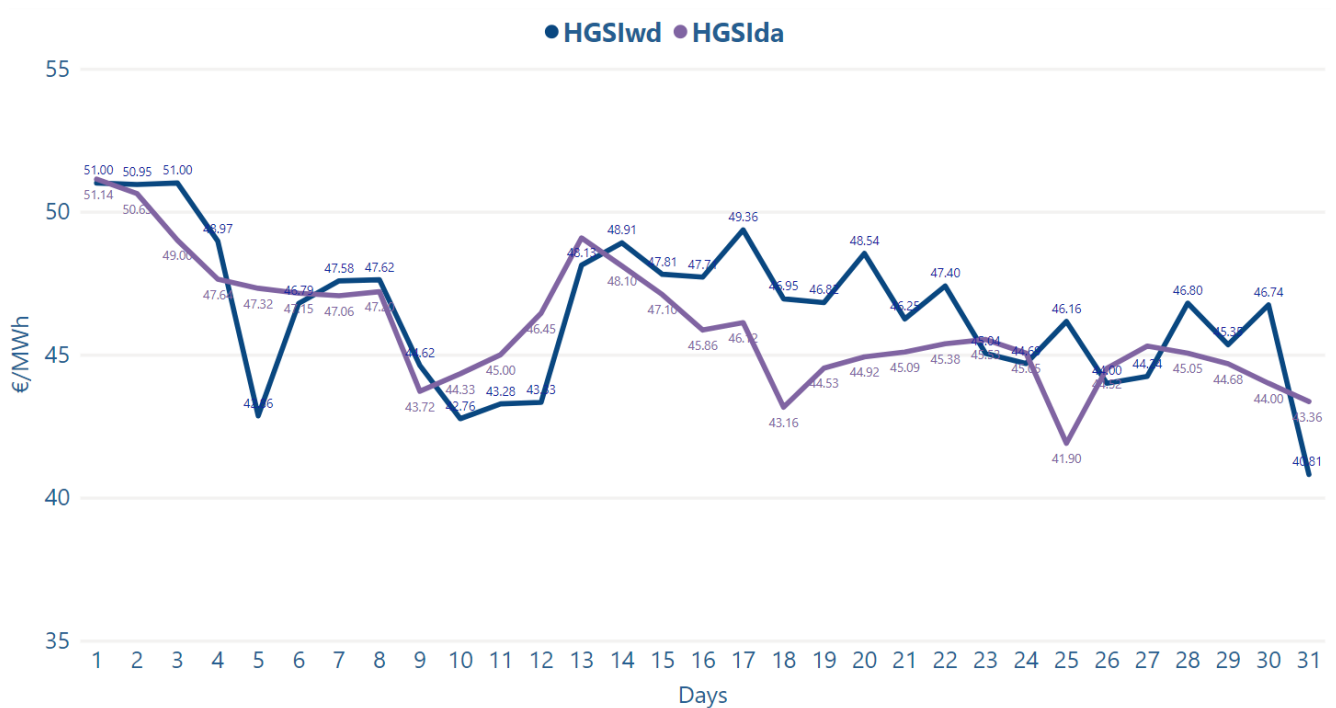
**HEnEx NGAS Indices**

**Trading Volume per Trading Date**

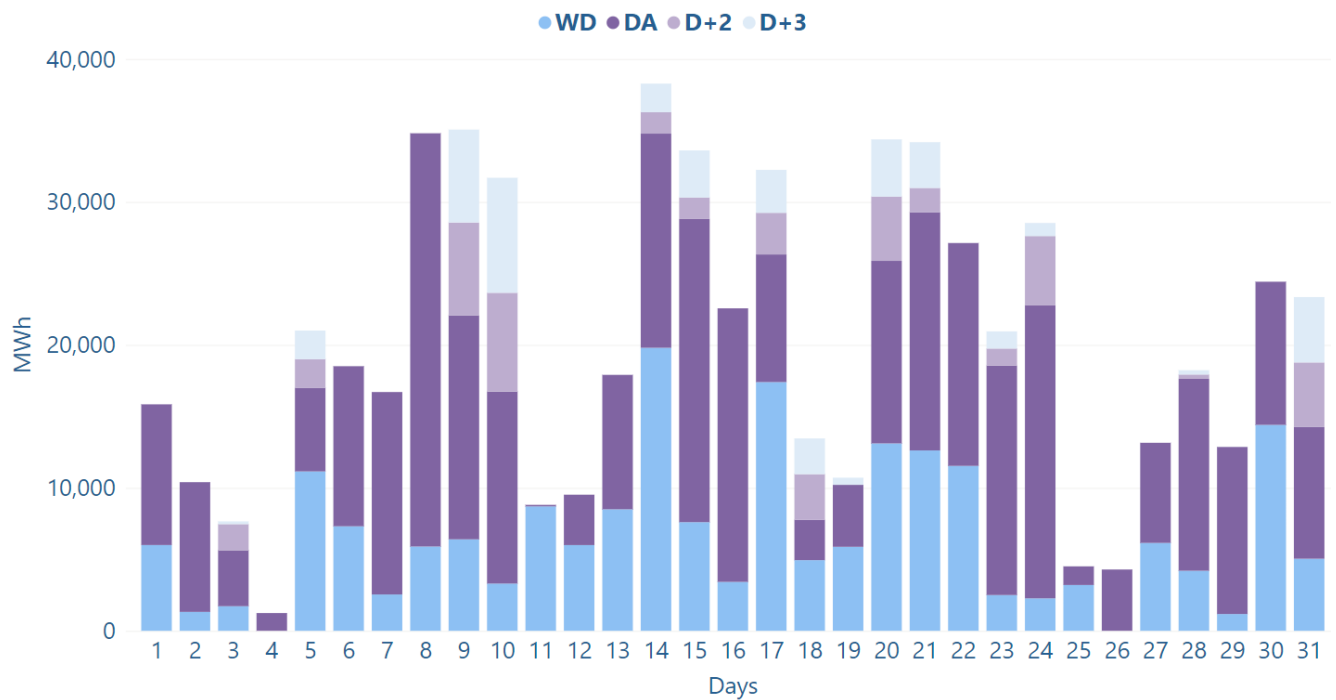
**Trading Volume per Product, Session**

**Closing, Min, & Max Prices**

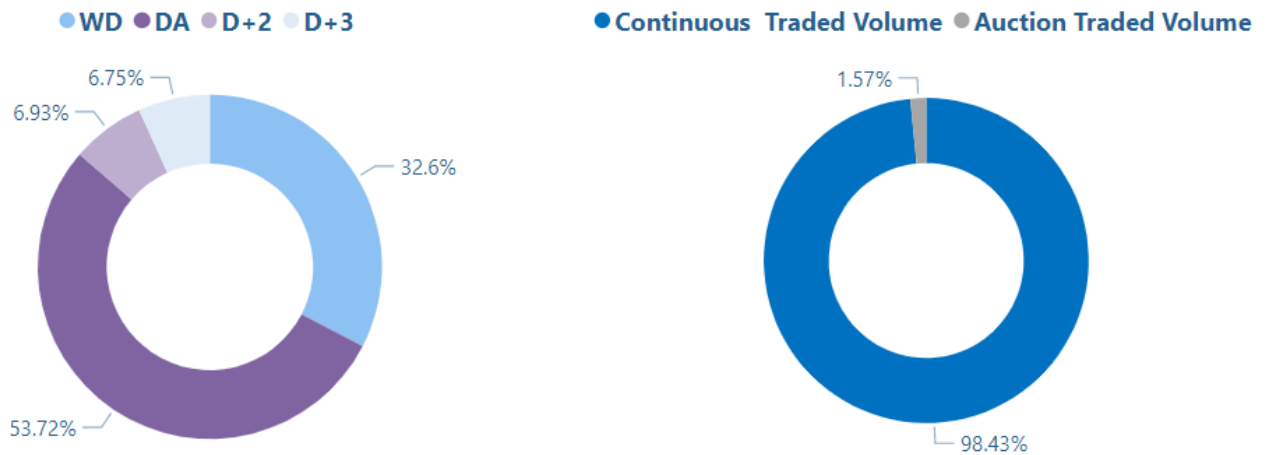
## 4.1 HEnEx NGAS indices



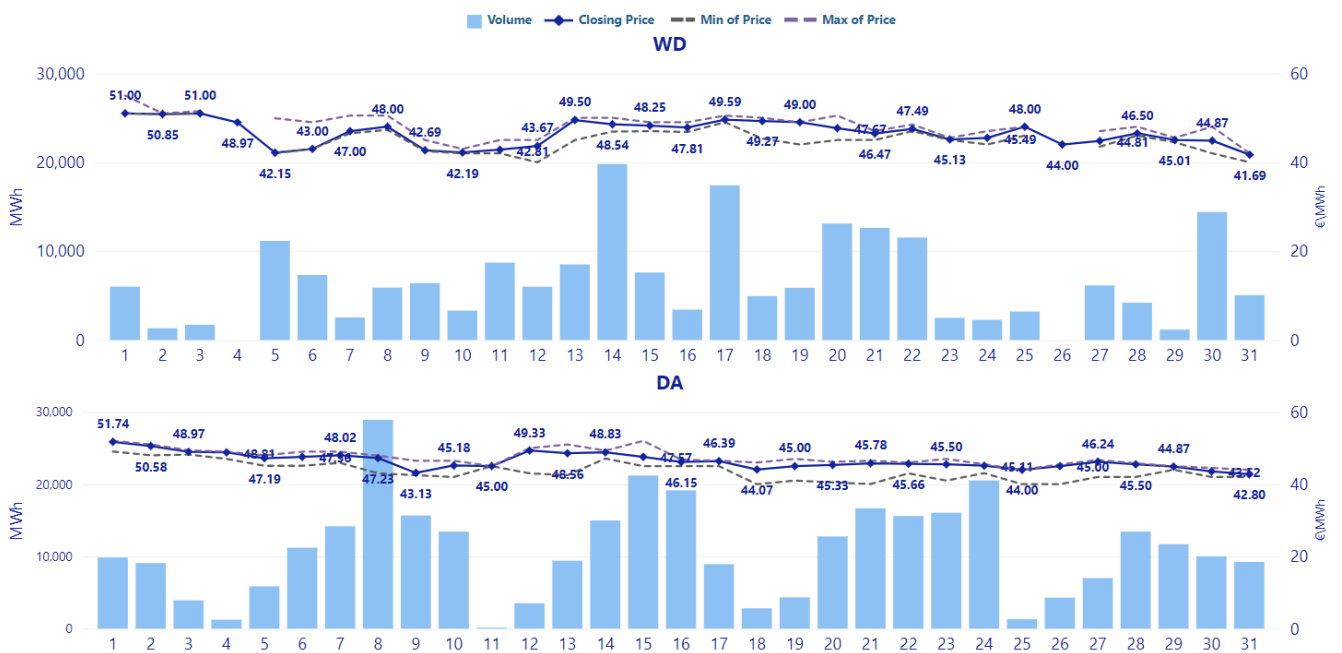
## 4.2 Trading Volume per Trading Day

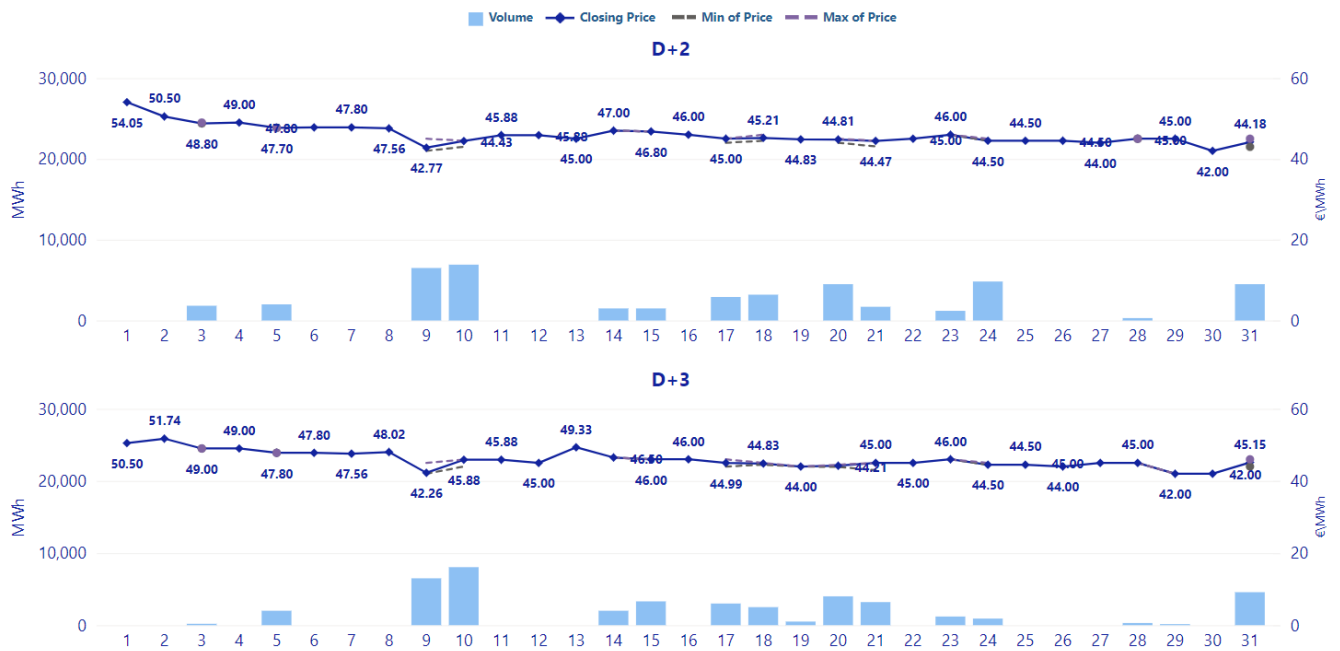


### 4.3 Trading Volume per Product & Session

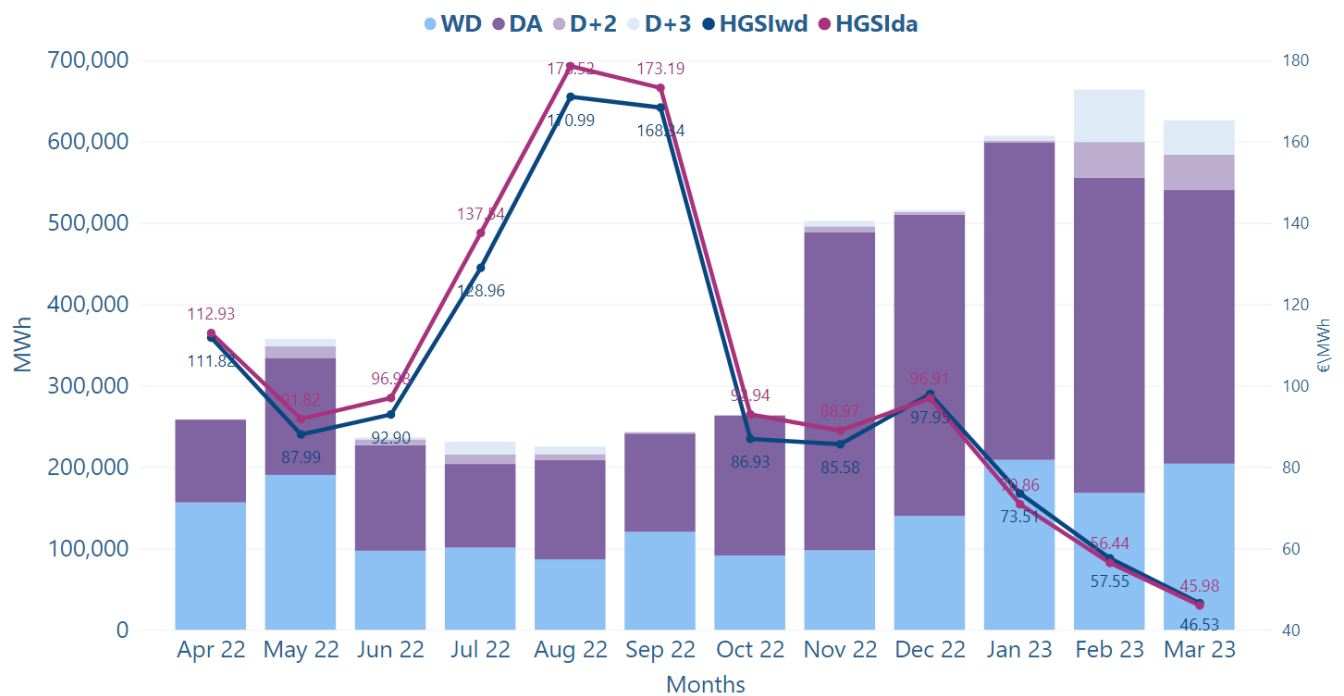


### 4.4 Volume, Closing, Min, & Max Prices per Trading Day & Product





## 4.5 HEnEX NGAS indices and Trading Volume per Month





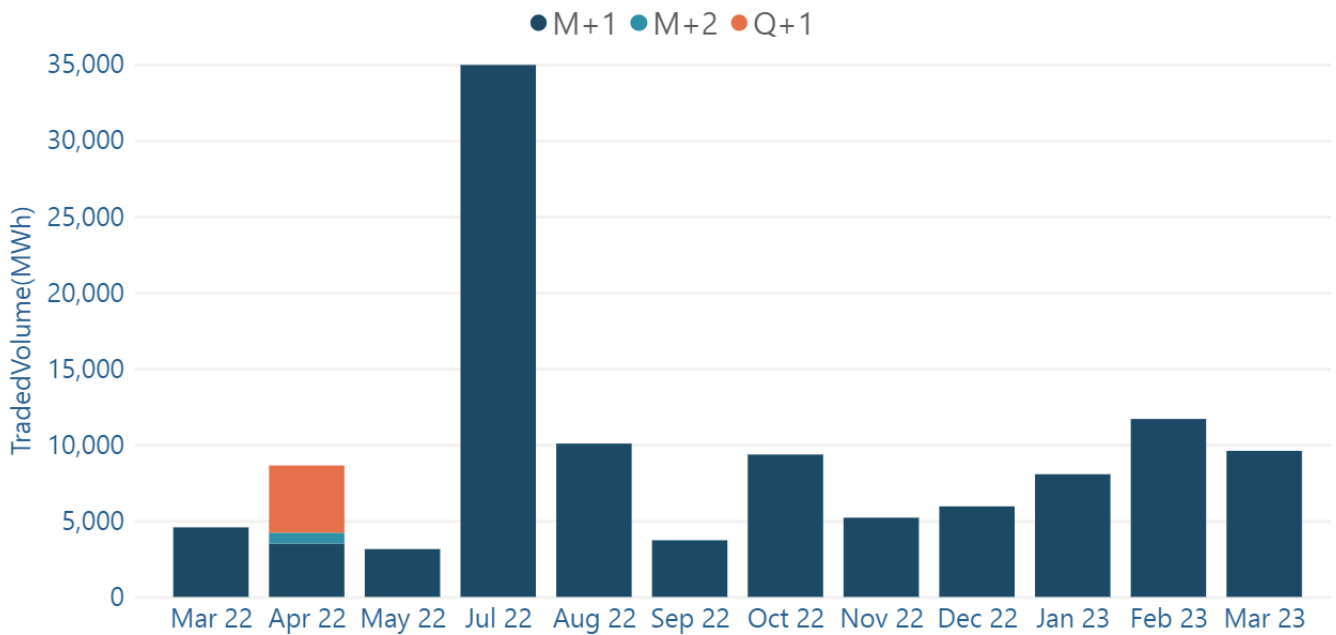
## 5 Derivatives Market

**Traded Volume by Instrument and Month – Baseload**

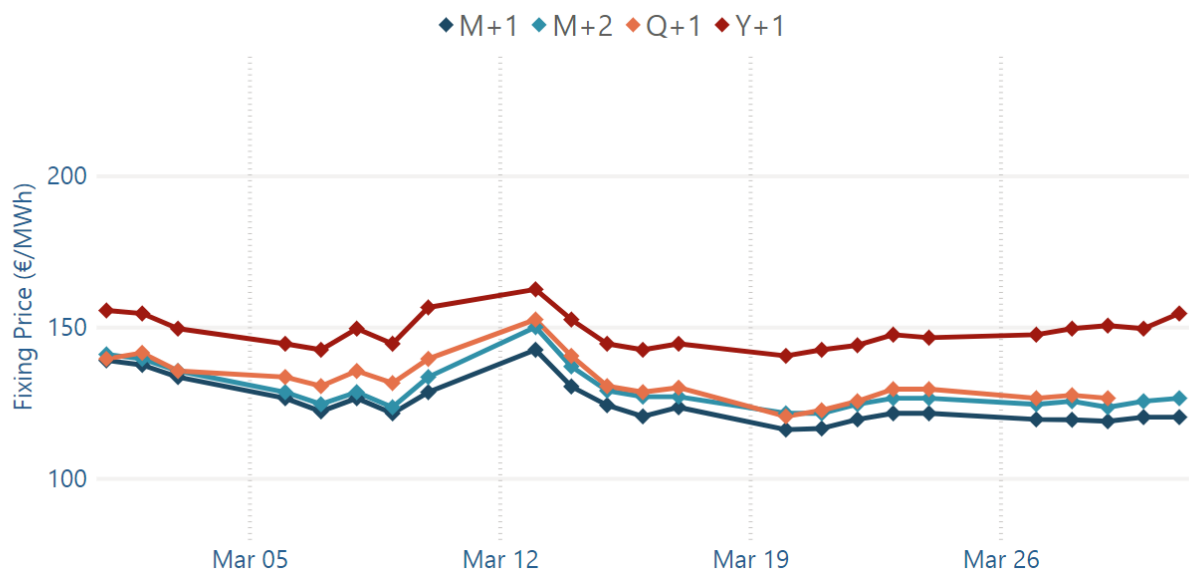
**Daily Settlement prices for Baseload Instruments – Baseload**

**Final Settlement prices for the monthly expired traded series**

## 5.1 Traded Volume by Instrument and Month- Baseload



## 5.2 Daily Fixing Prices – Baseload



## 5.3 Final Settlement prices for the monthly expired traded series

GREBM0323 - Final Settlement Price

**122.76**

Baseload

GREPM0323 - Final Settlement Price

**119.39**

Peakload

## 6. Annex

### Definitions

ACRONYM	Definition
GR BZ	Greek Bidding Zone
MCP	Market Clearing Price
NGTP	Natural Gas Trading Platform
NTC	Net Transfer Capacity

### Data Sources

#### Figure 1.6

- Data source for MCP of Italy: <http://www.mercatoelettrico.org/En/Download/DatiStorici.aspx>
- Data source for MCP of Bulgaria: <http://www.ibex.bg/en/market-data/dam/prices-and-volumes/#data-table>

### Market Details

- Market Time Units of GR BZ are in CET-hr.
- Intraday Market of GR BZ consists of three Complementary Regional IntraDay Auctions (CRIDAs) and one continuous (XBID).
- The Hybrid Model for the operation of the Small Connected System (SCS) market of Crete was launched on Delivery Day 01/11/2021.
- Mainland refers to the interconnected system excluding Crete.

### Changes on Figures

#### Figure 3.6

- From January 2022, Figure 3.6 changed from “Final Market Schedules shares for domestic load per Voltage Level and Market Participant · Mainland” to “Final Market Schedules shares for domestic load per Market Participant at each Voltage Level · Mainland”. The reported figures were amended respectively.