



Monthly Report · January 2023

Electricity and NGAS Markets




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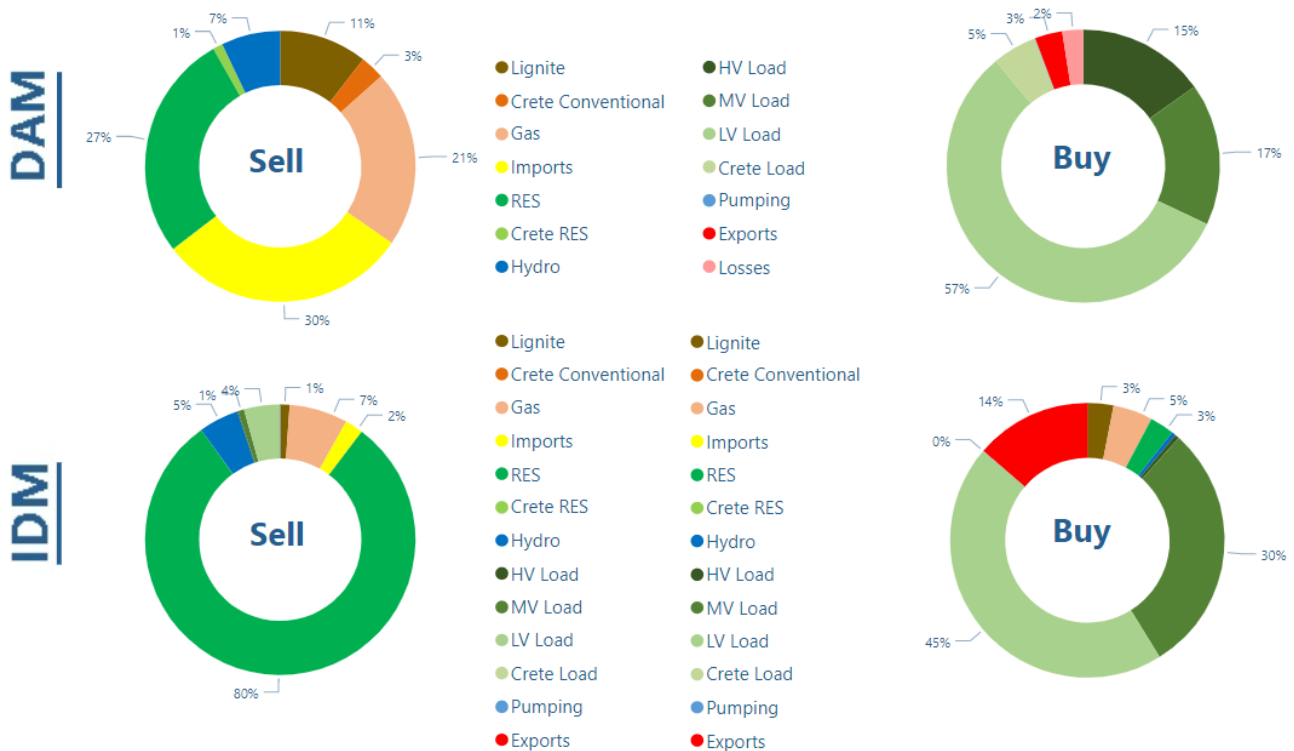
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Summary

Jan 2023 Dec 2022 Jan 2022		<u>DAM</u>	<u>CRIDA1</u>	<u>CRIDA2</u>	<u>CRIDA3</u>	<u>XBID*</u>	<u>NGAS*</u>
	Price	191.79 276.89 227.30	191.07 281.89 225.59	173.21 273.38 226.23	180.25 277.57 240.34	109.69 276.88	74.39 99.07
€/MWh							
	Volume	4,188 4,488 5,420	32.0 32.2 65.5	44.4 18.7 38.4	33.4 16.2 32.2	261.92 339.20	606.91 515.63
GWh							
	Value	814.9 1,288.1 1,266.3	6.12 8.93 15.84	7.29 5.12 8.99	5.68 5.02 8.11	28.73 93.92	45.16 51.08
M €							

*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



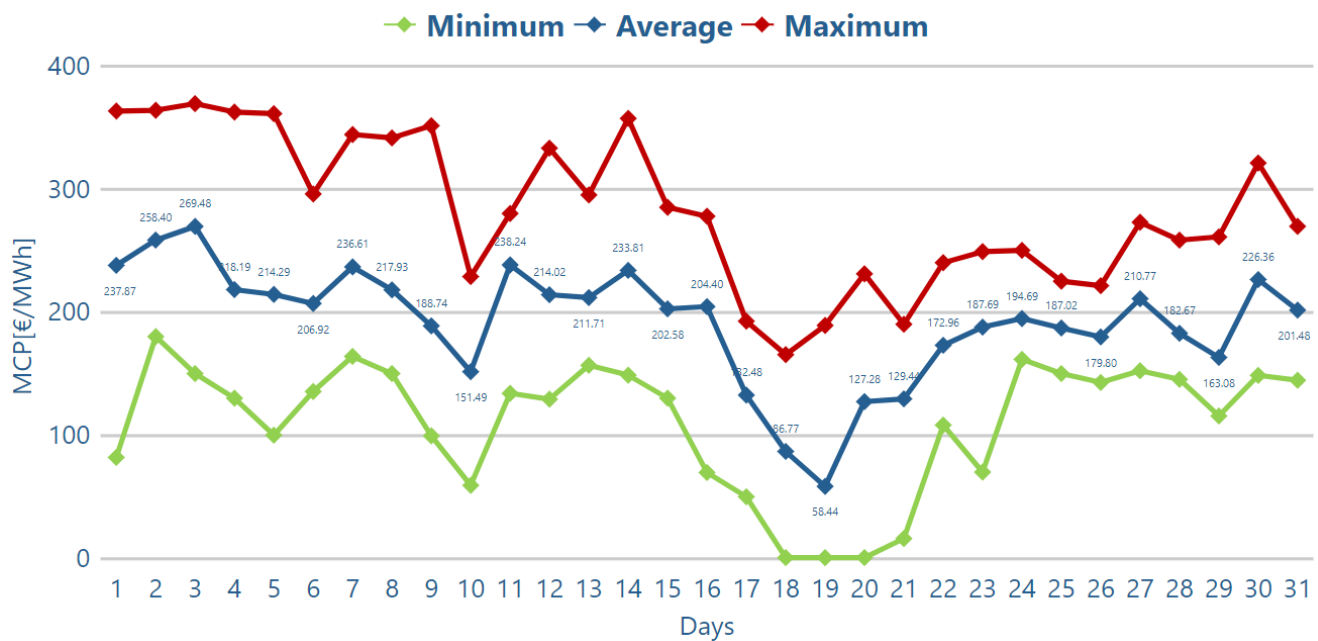
1. DAM

Market Clearing Price (MCP)

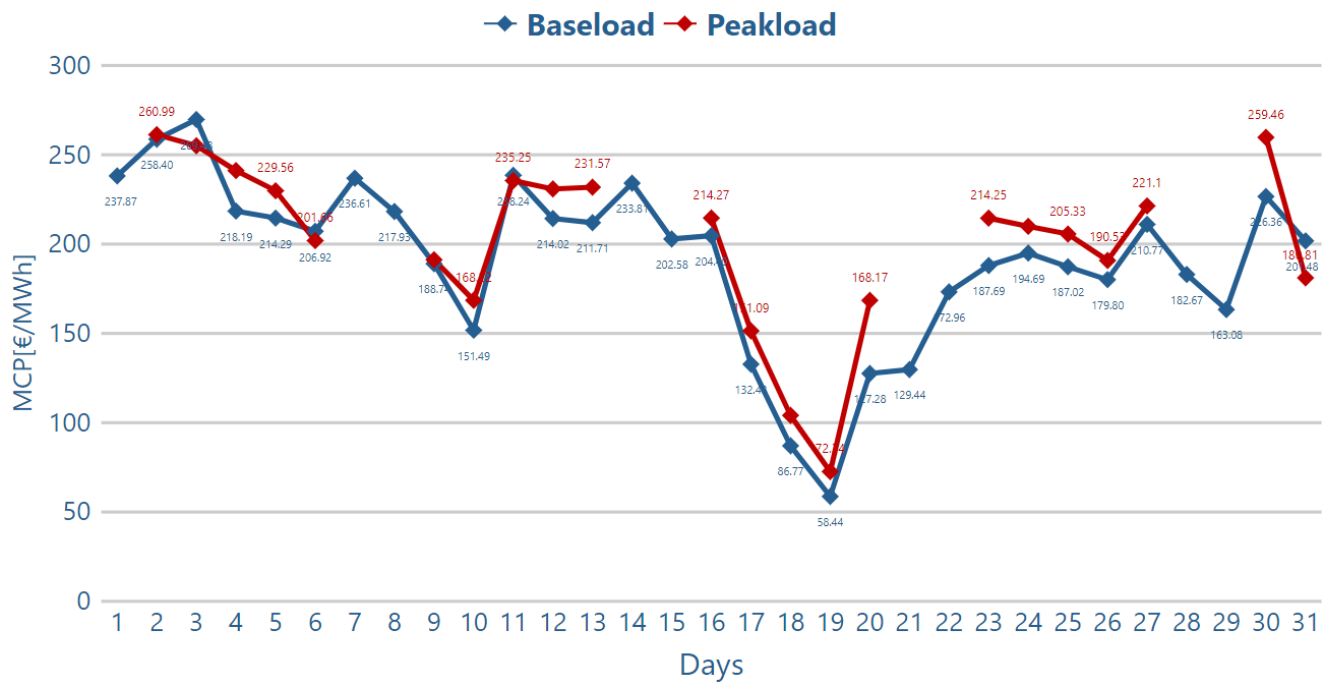
Volumes, technologies and order types

Interconnections

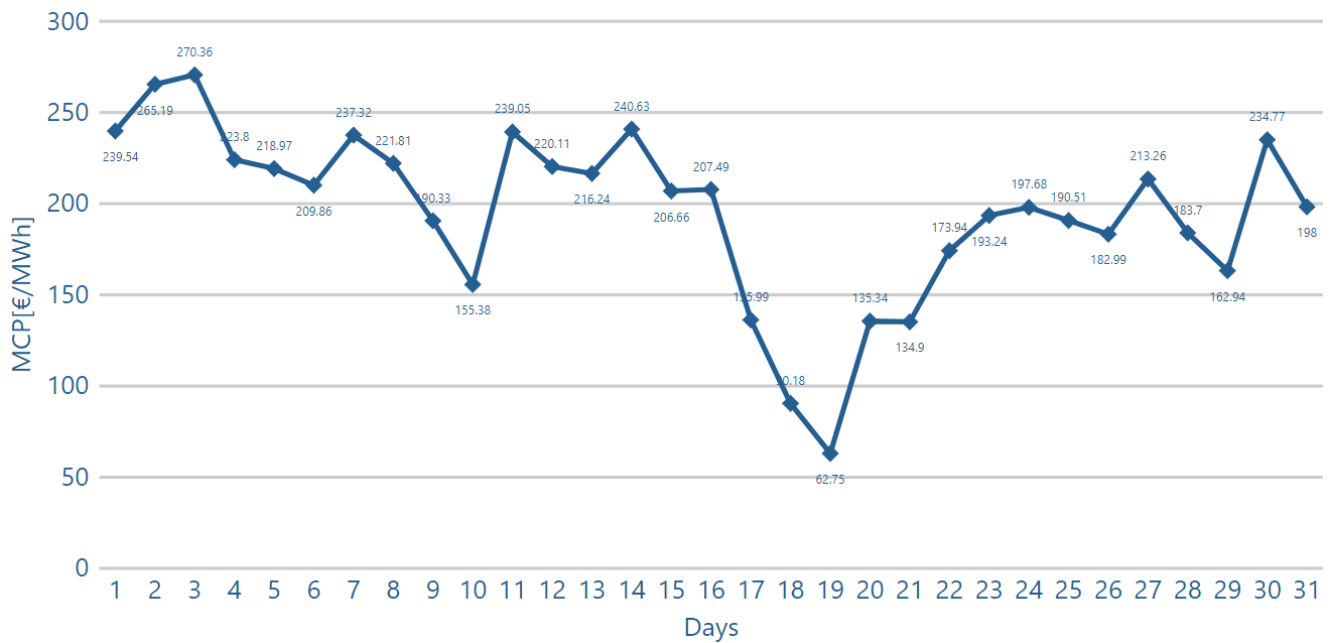
1.1. Daily MCP data of GR BZ



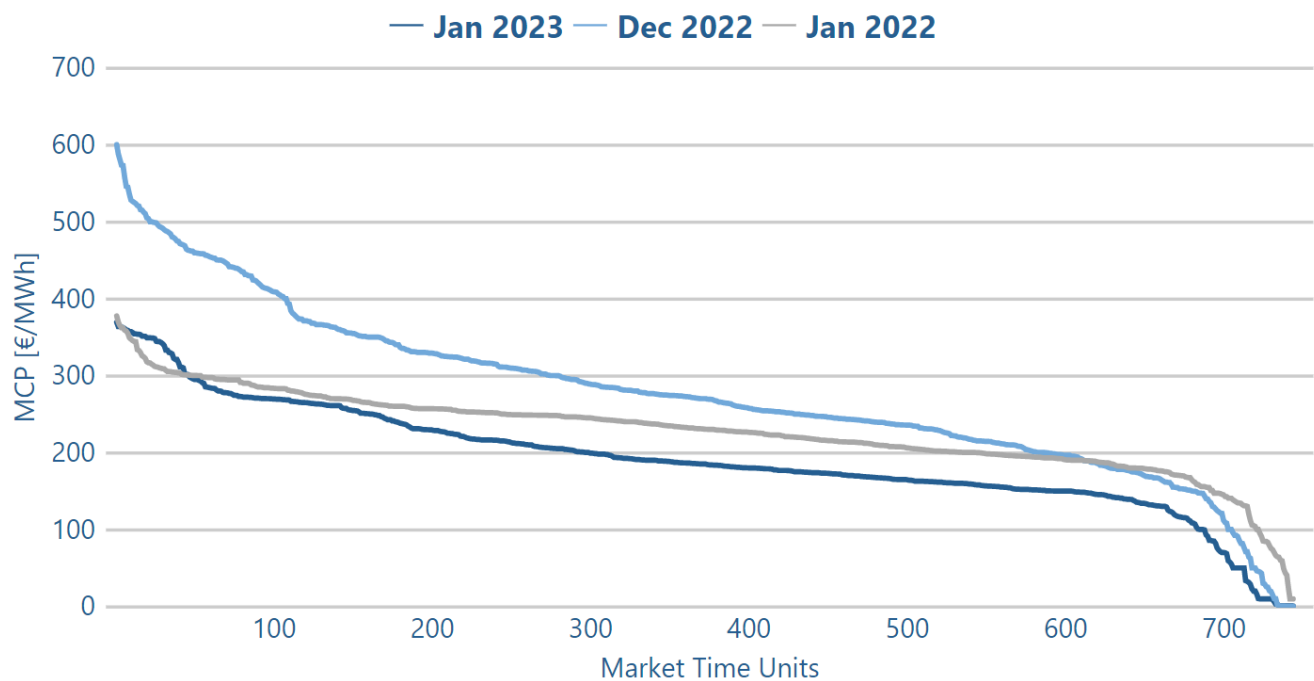
1.2. Daily average prices



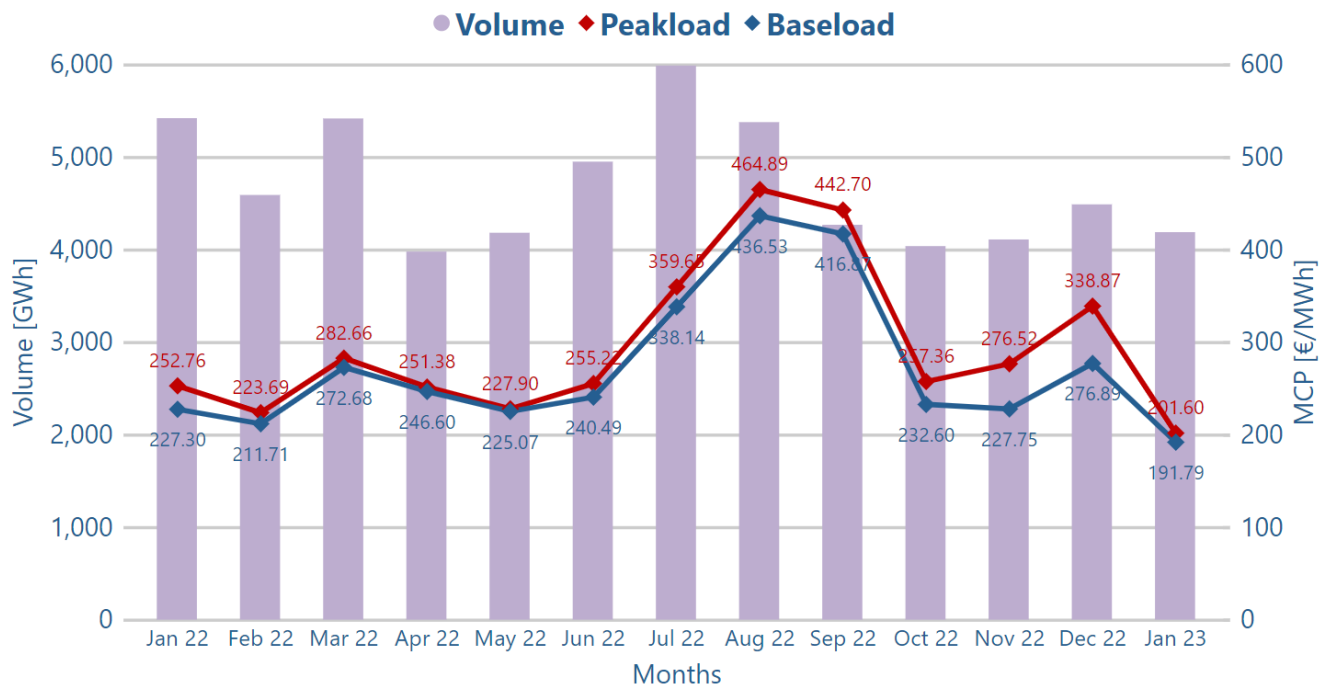
1.3. Daily weighted average baseload price



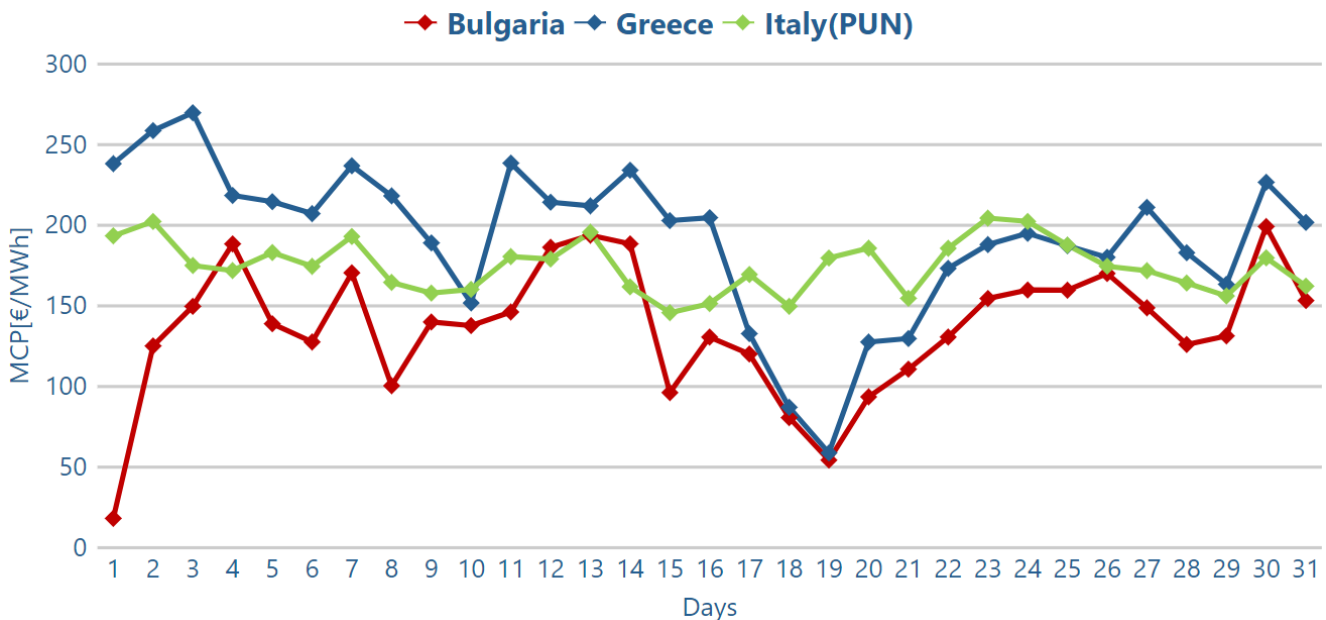
1.4. MCP duration curve



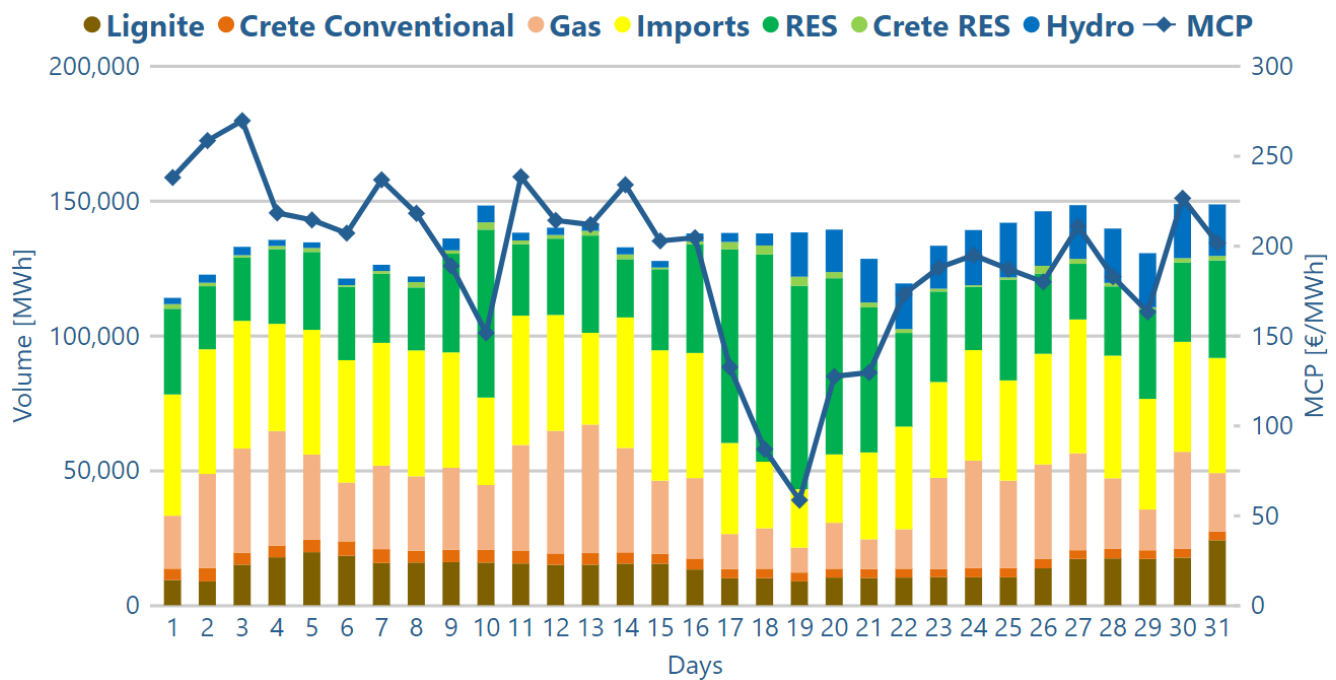
1.5. Monthly volume and average prices



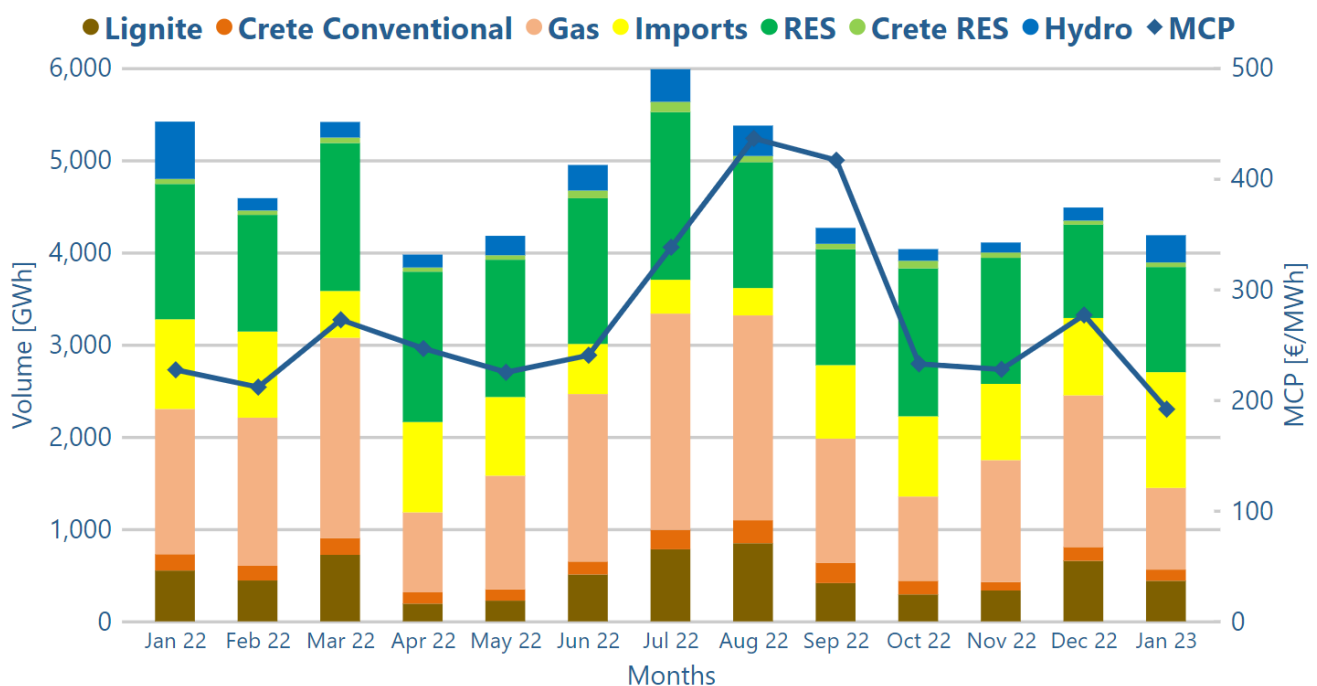
1.6. Daily average MCP of GR, IT, BG*



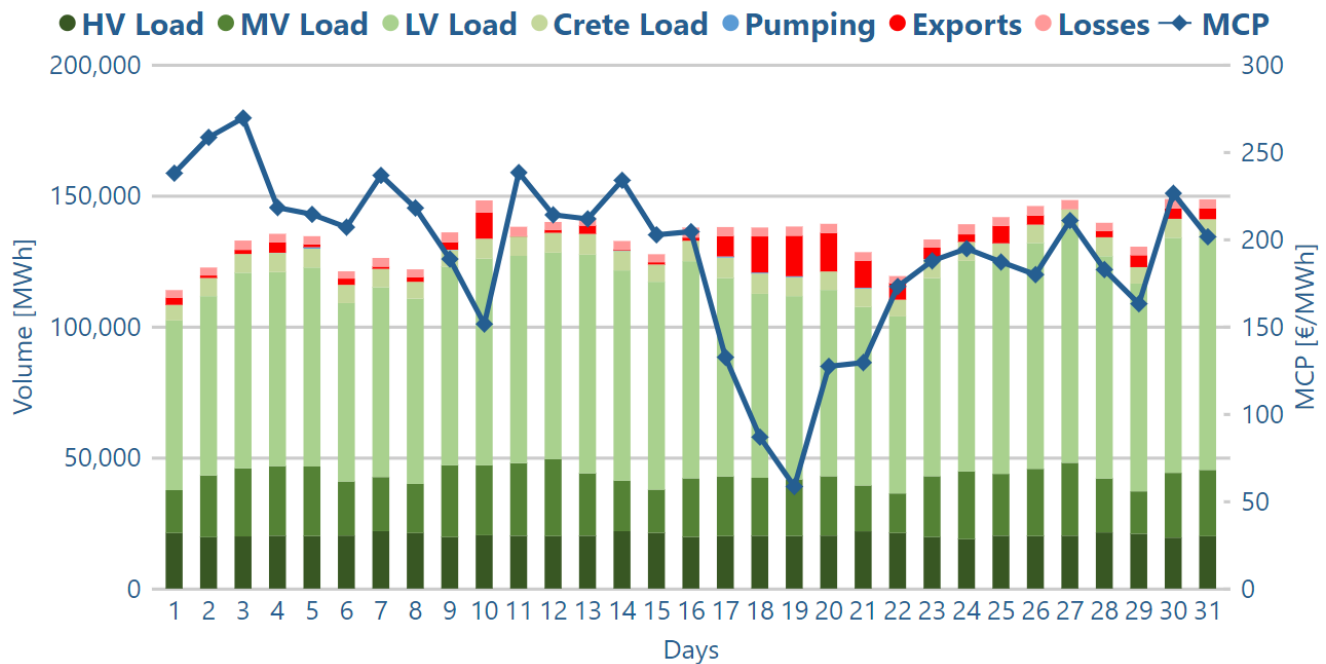
1.7. Volume mix of sell side per day



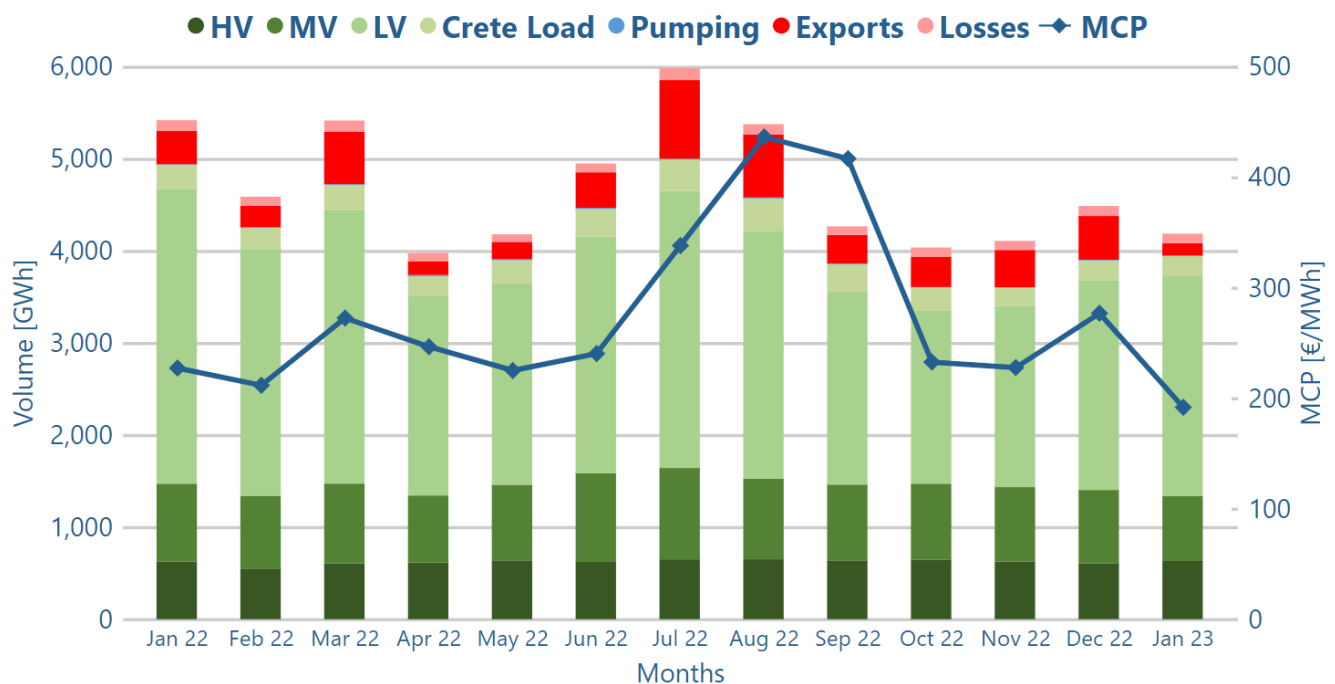
1.8. Volume mix of sell side per month



1.9. Volume mix of buy side per day



1.10. Volume mix of buy side per month

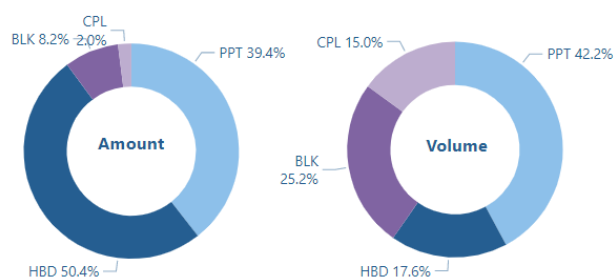


1.11. Table with MCP and volume per month

Year	Month	Minimum MCP [€/MWh]	Average MCP [€/MWh]		Maximum MCP [€/MWh]	Peakload MCP [€/MWh]		Volume [Gwh]
2022	January	9.70	227.30	⬇️ -3%	377.40	252.76	⬇️ -11%	5,420
2022	February	83.65	211.71	⬇️ -7%	349.00	223.69	⬇️ -11%	4,590
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

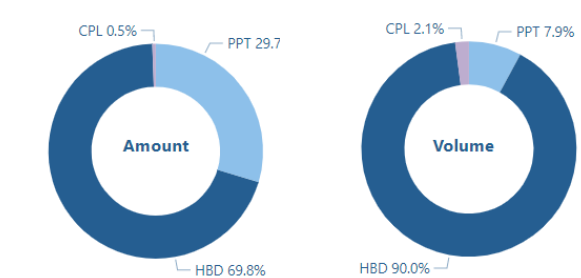
1.12. Trades per Order type

Sell Side



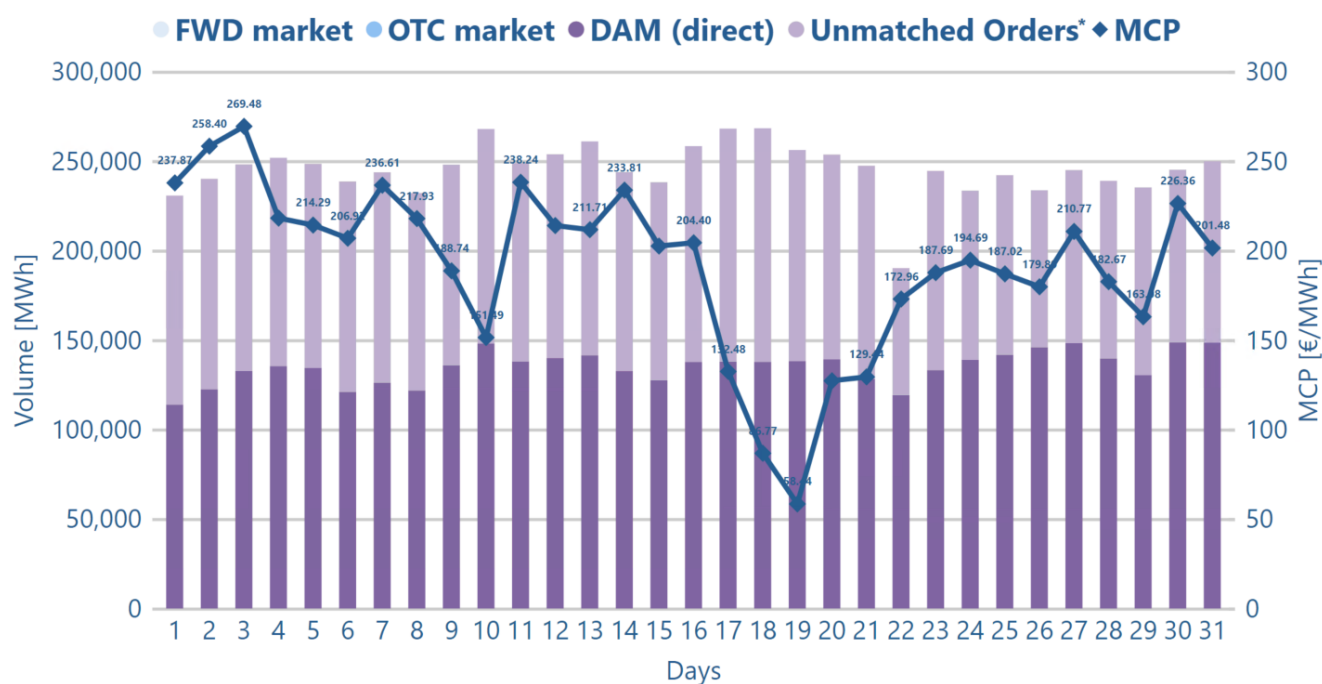
	PPT	HBD	BLK	CPL
Amount	23707	30346	4922	1201
Volume [GWh]	1766	736	1057	629

Buy Side



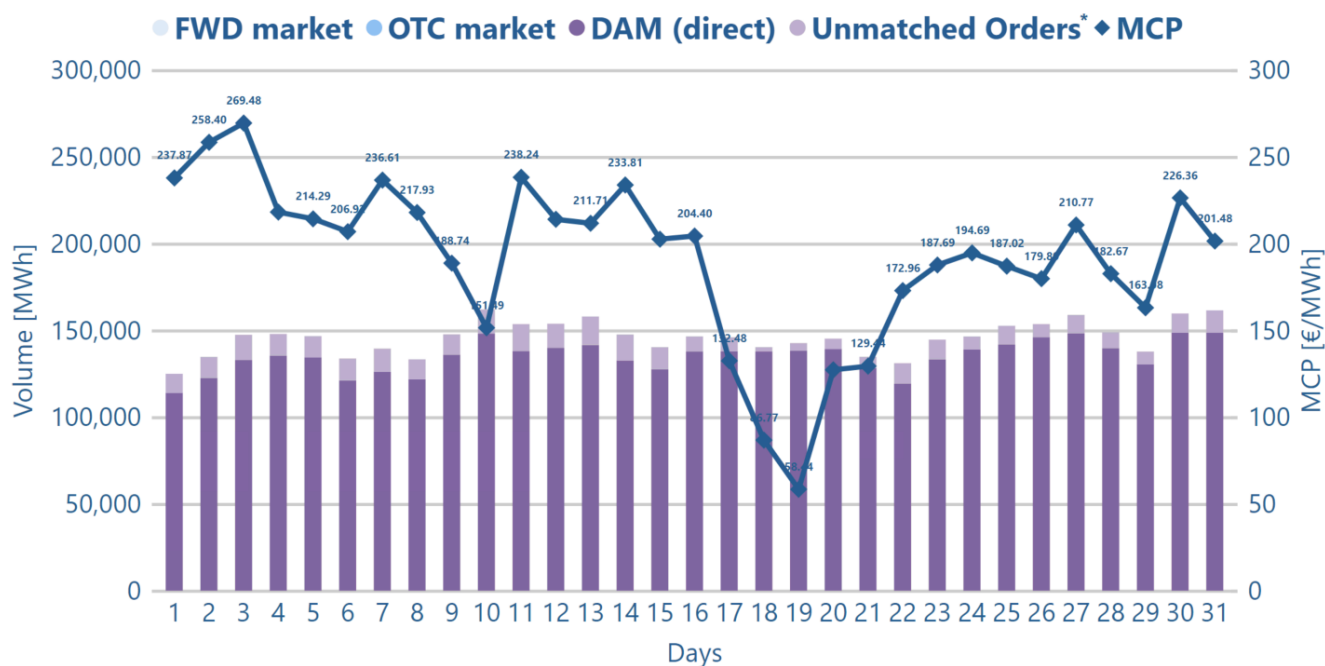
	PPT	HBD	CPL
Amount	16147	38014	279
Volume [GWh]	331	3771	87

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



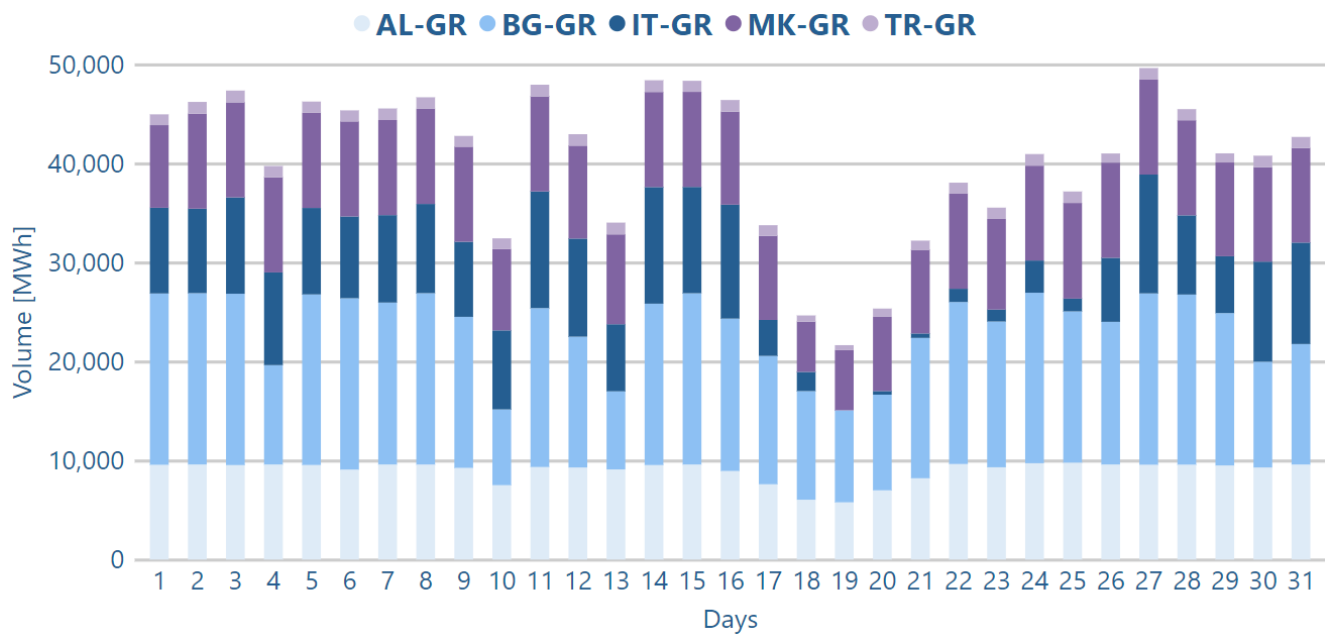
*The Unmatched Orders include all sell orders that have not been included in the algorithm (excluding block orders).

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

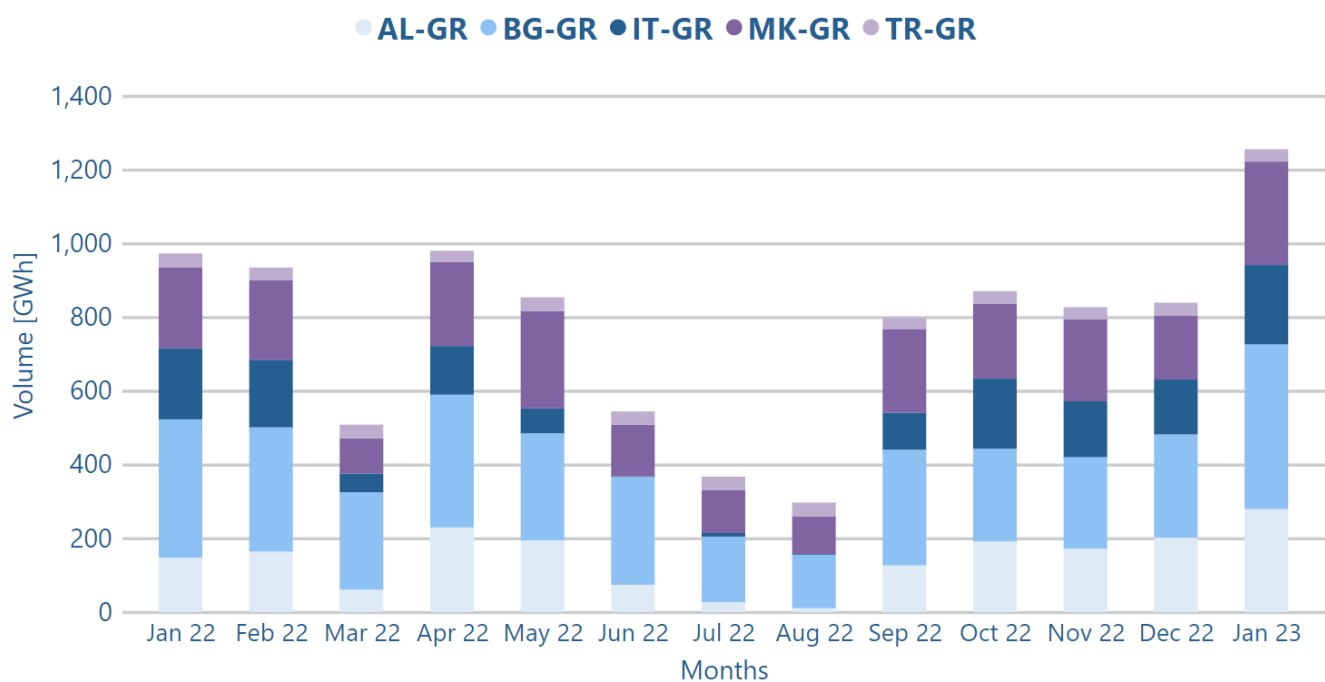


*The Unmatched Orders include all buy orders that have not been included in the algorithm.

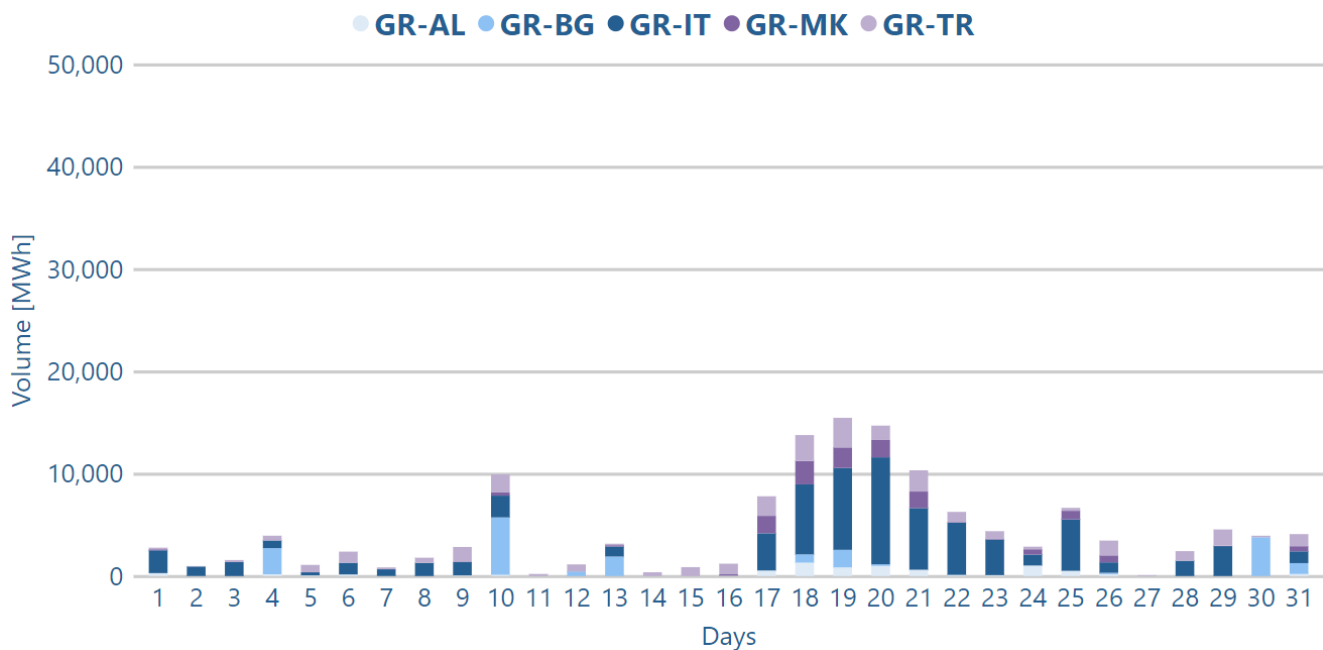
1.15. Cross Border volume · Imports per day



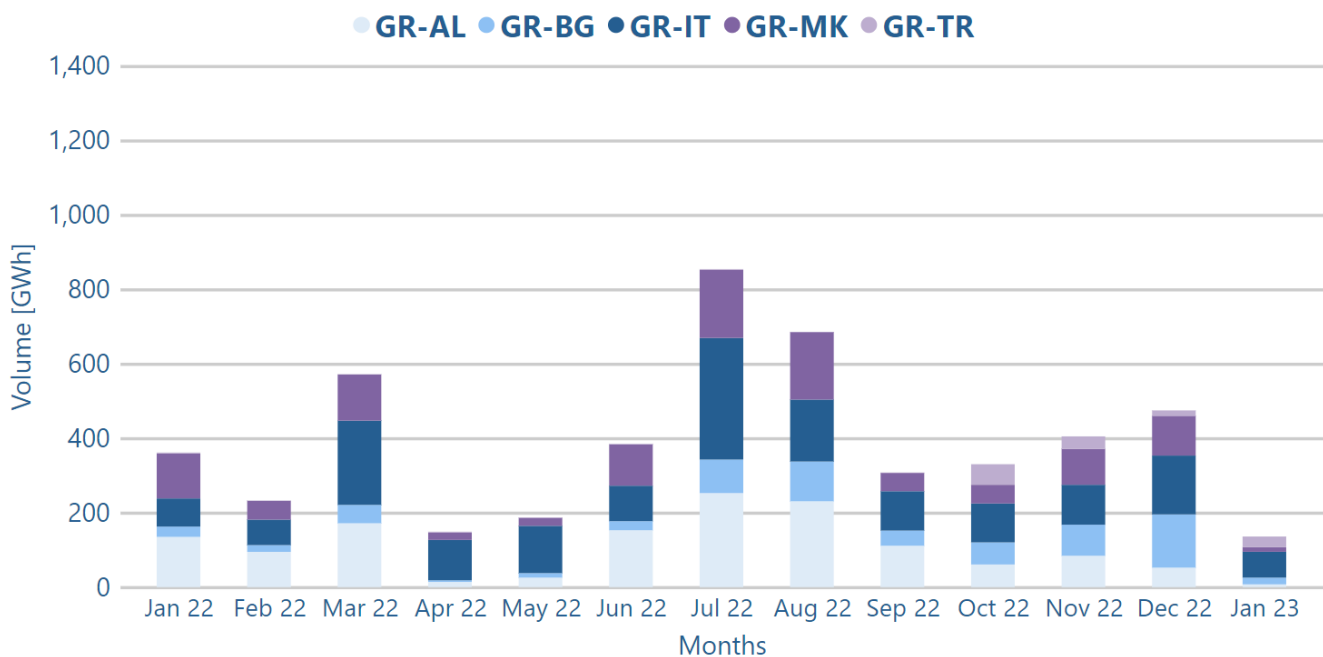
1.16. Cross Border Volume · Imports per month



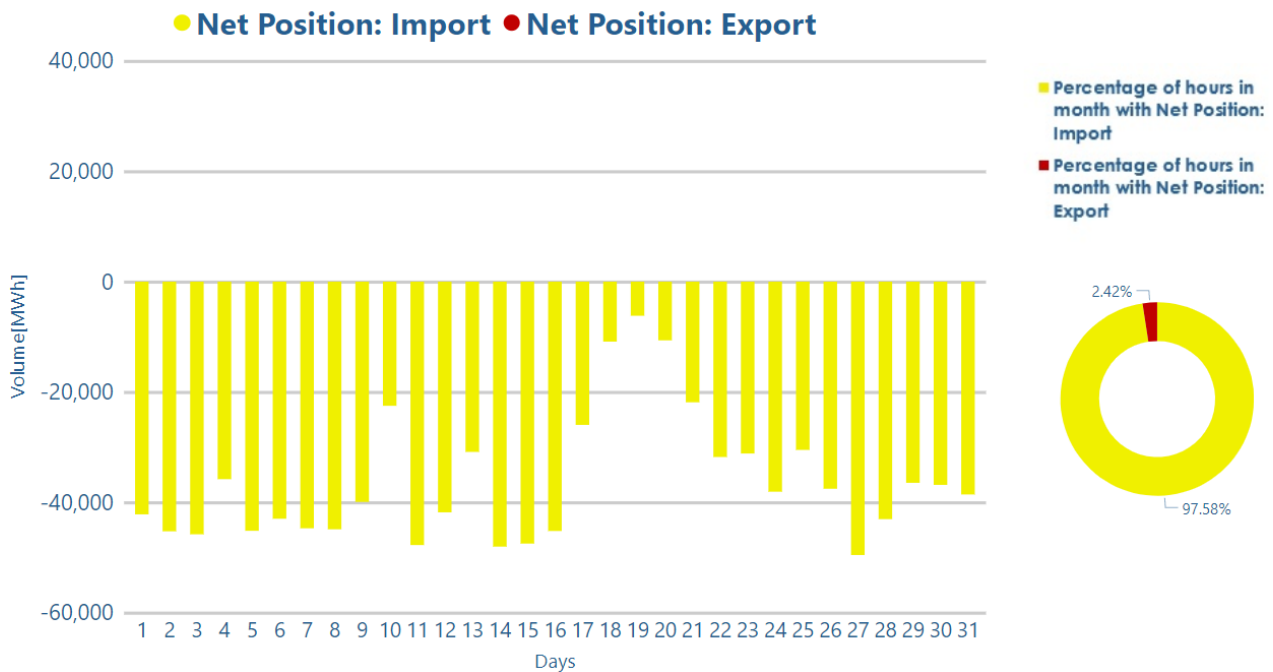
1.17. Cross Border volume · Exports per day



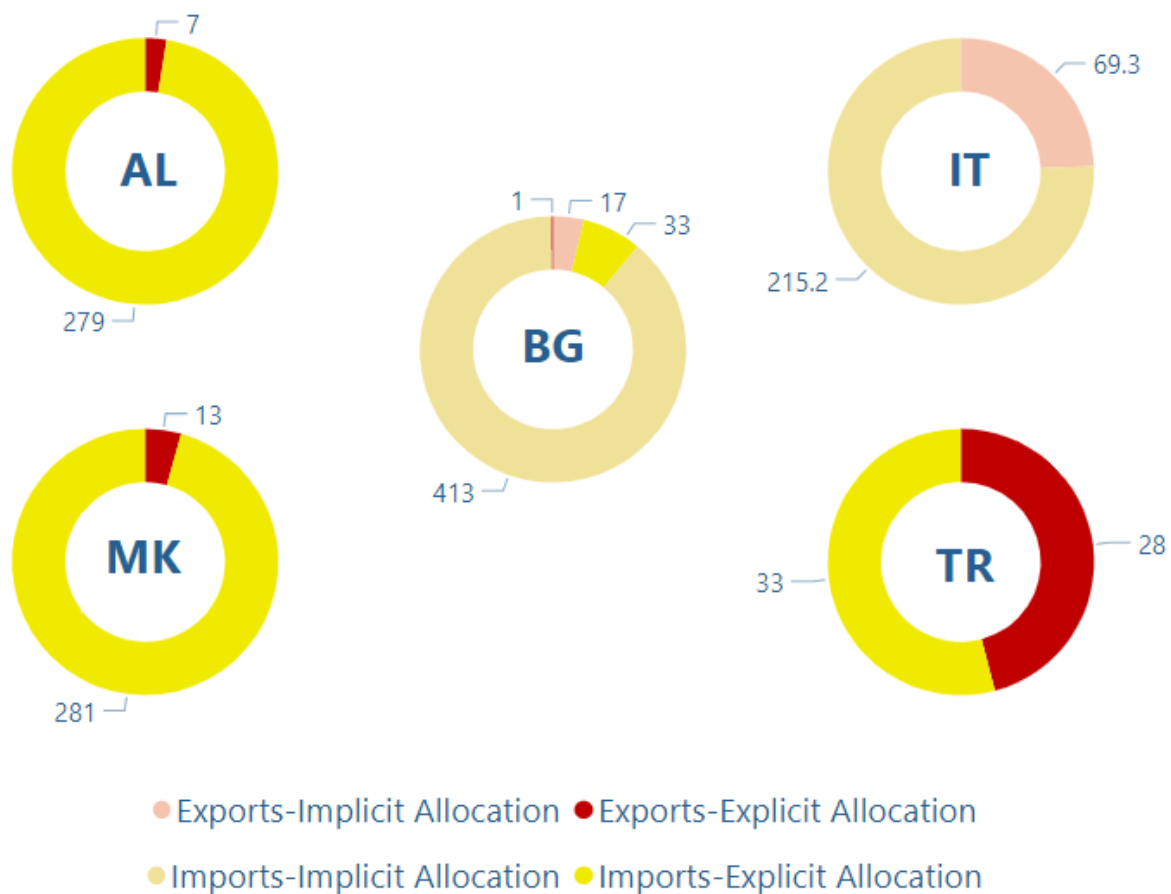
1.18. Cross Border Volume · Exports per month



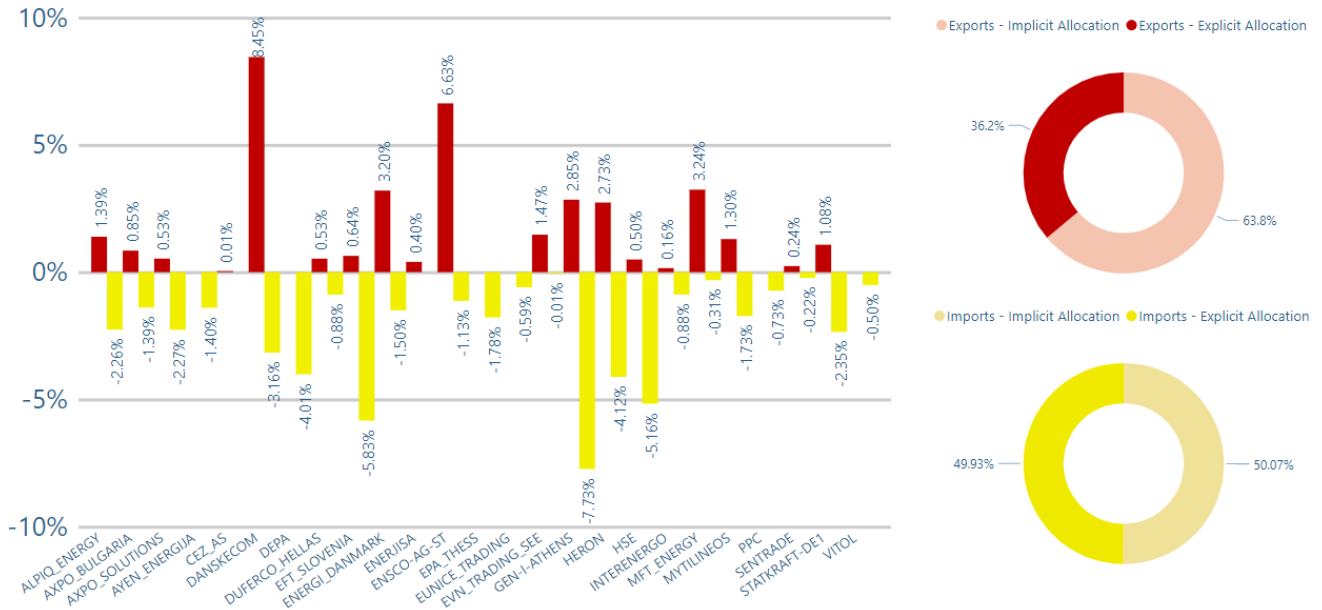
1.19. Net position of all cross-border flows



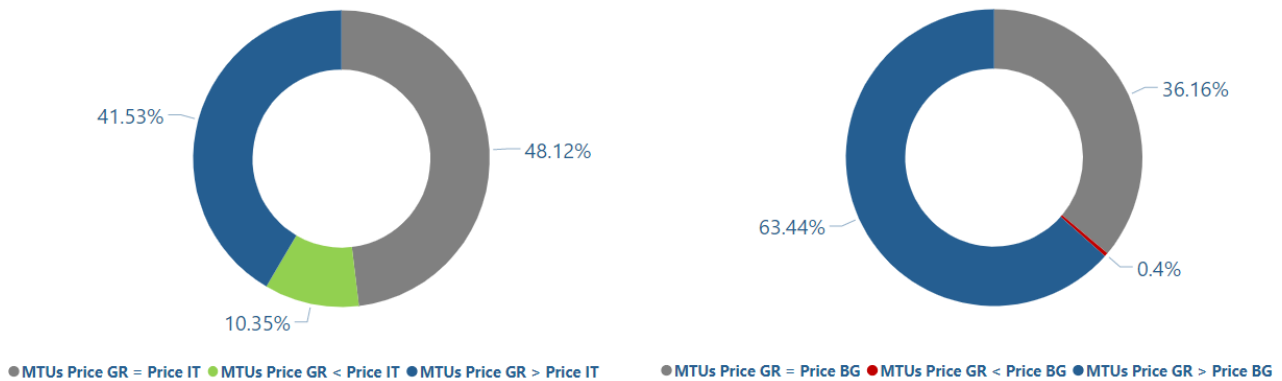
1.20. Cross Border Volumes (GWh) per Border



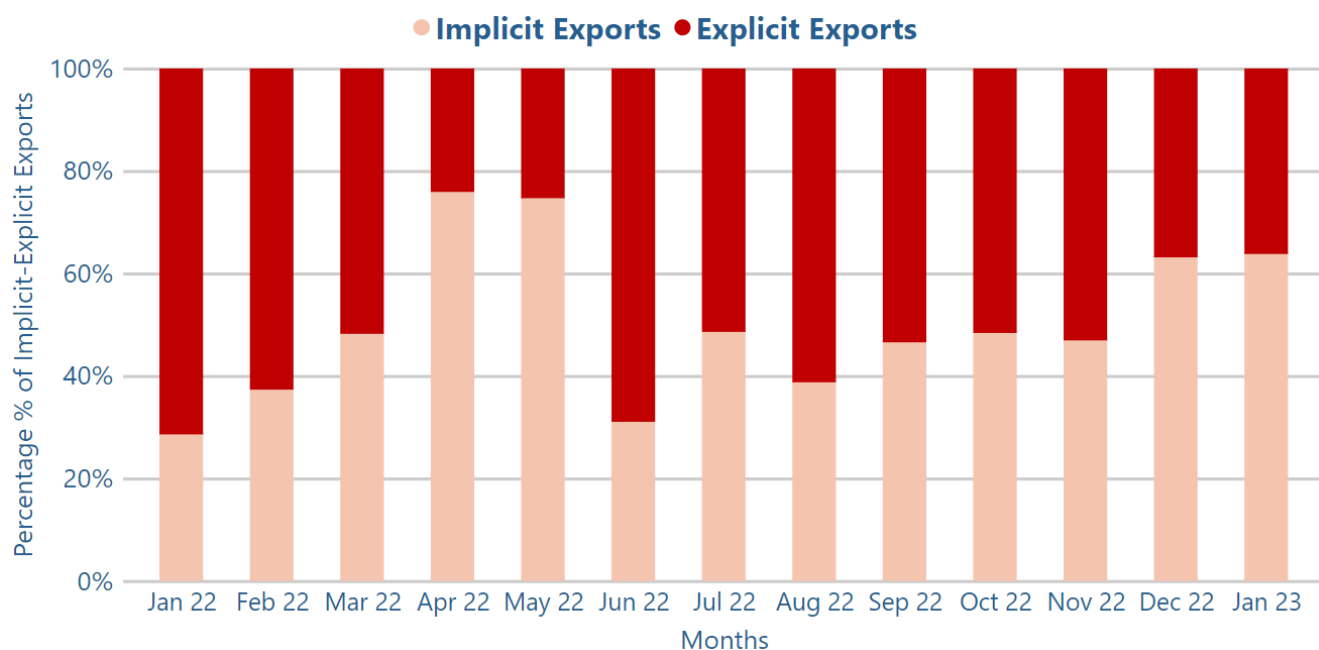
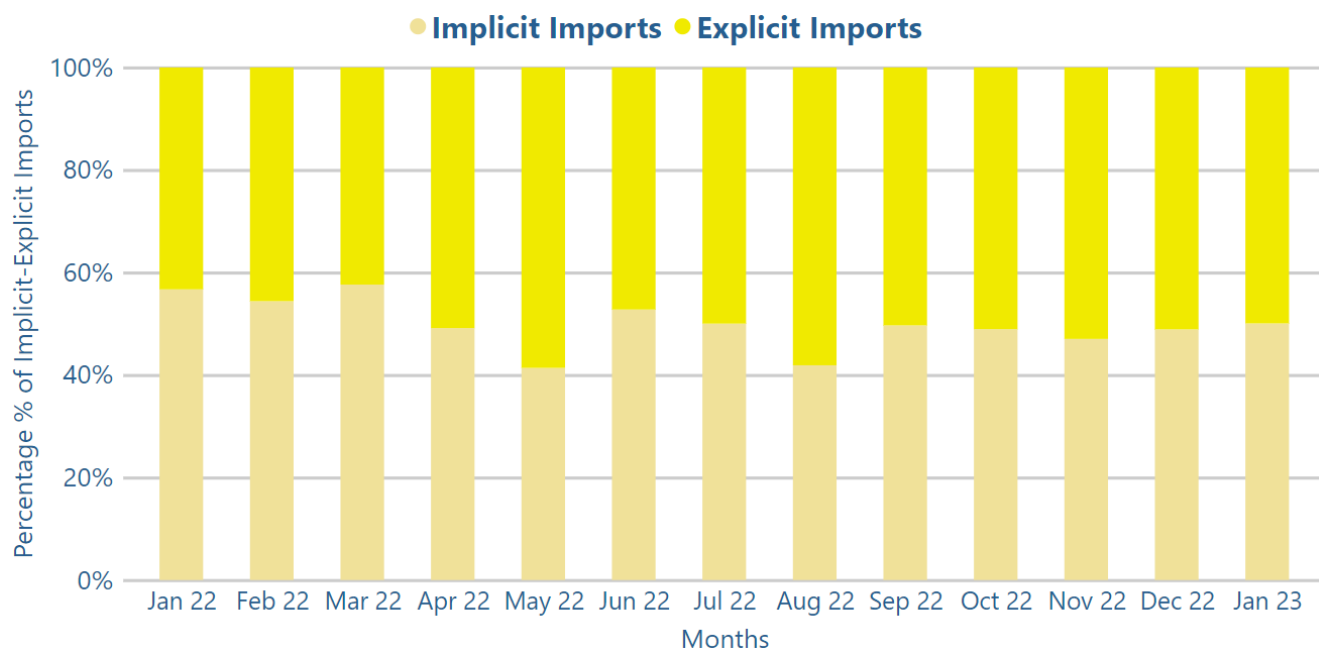
1.21. Market Shares of Imports and Exports per Market Participant



1.22. Price Coupling Data



1.23. Coupling Evolution

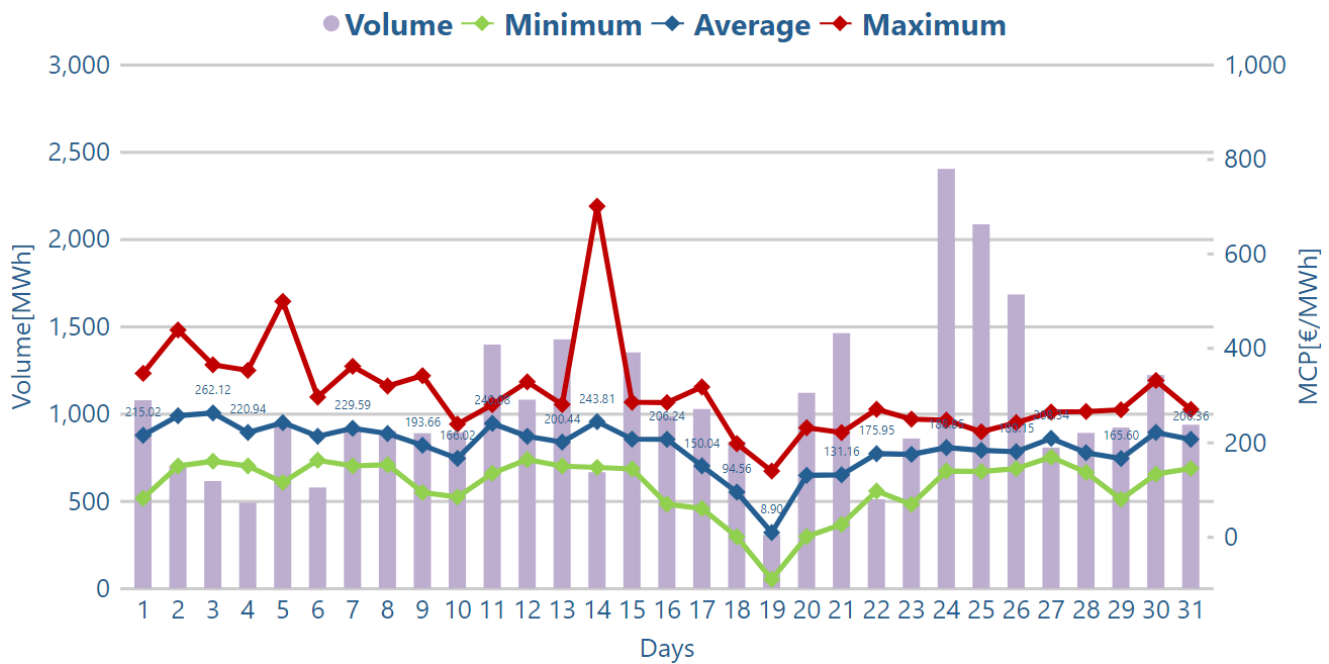


2. IDM

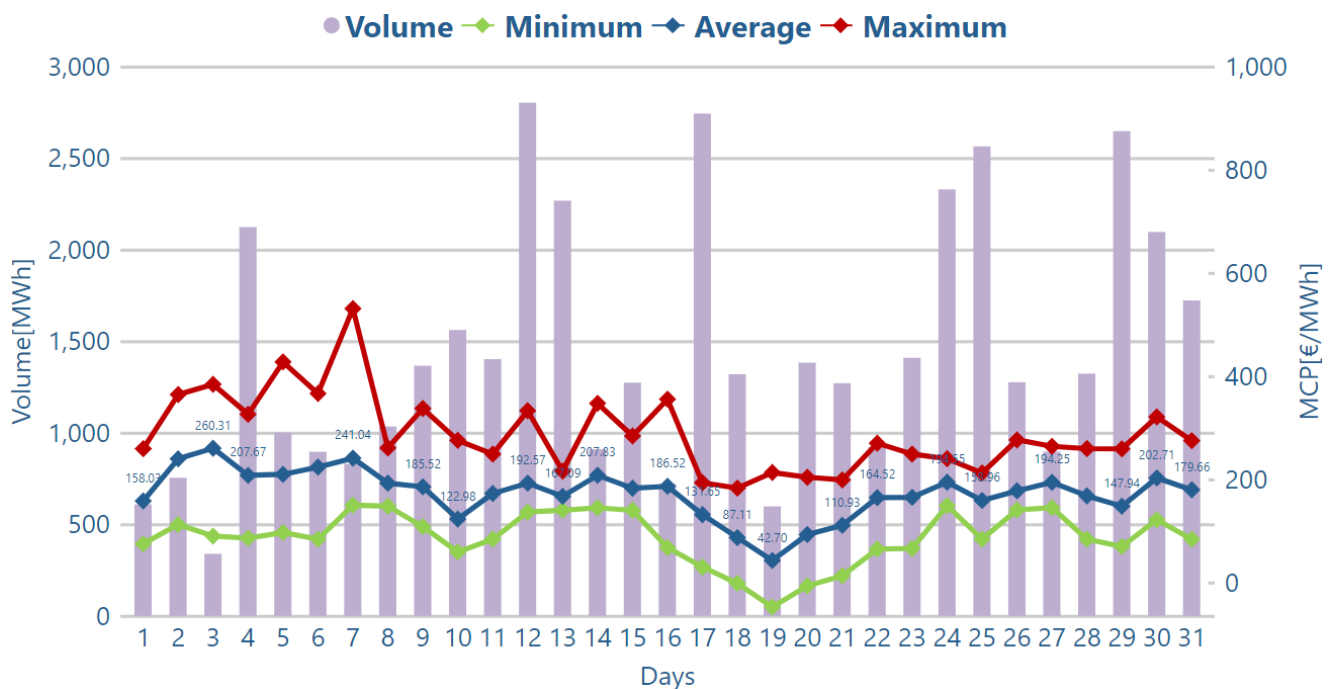
Market Clearing Prices (MCP)

Volumes, technologies and order types

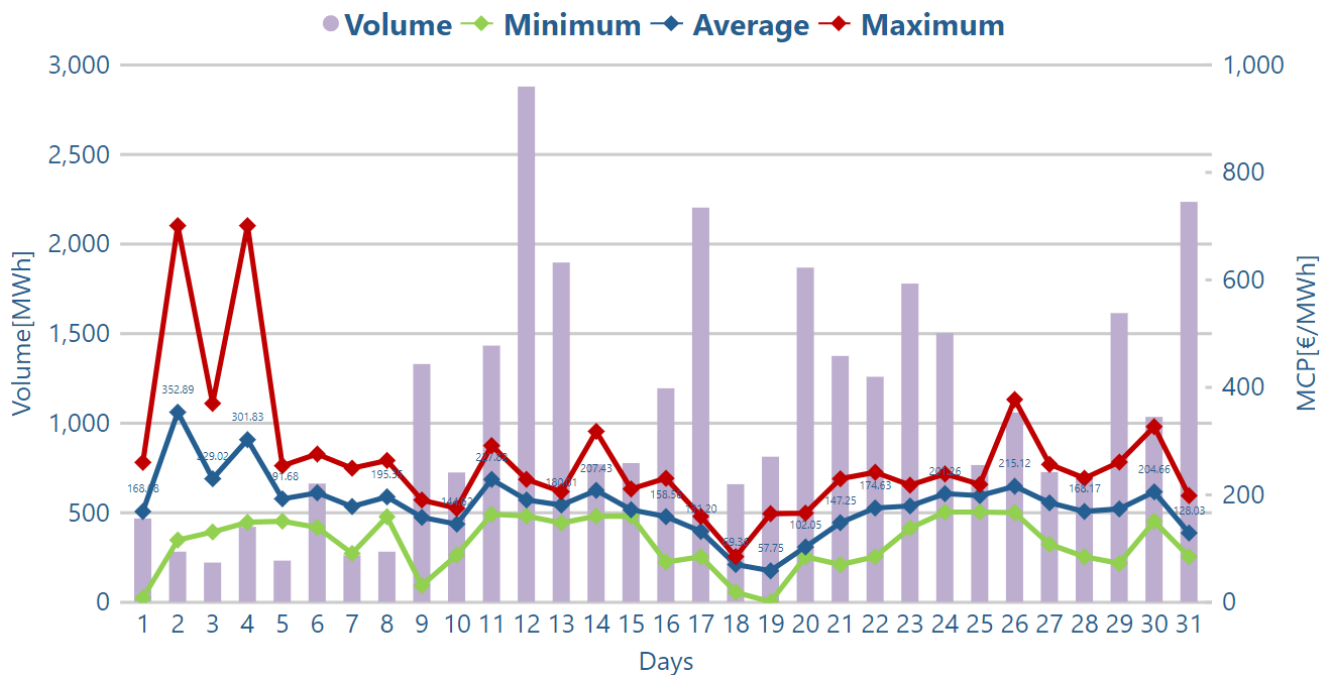
2.1. Daily MCP and volume · CRIDA1



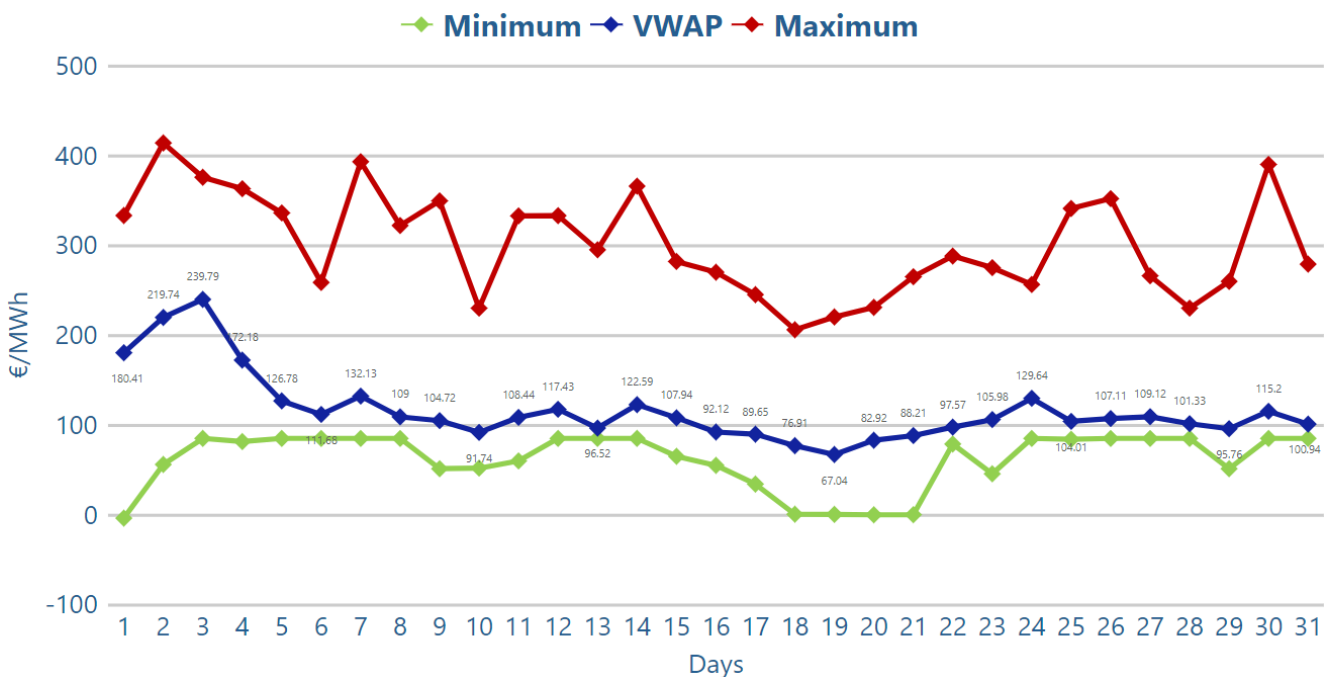
2.2. Daily MCP and volume · CRIDA2



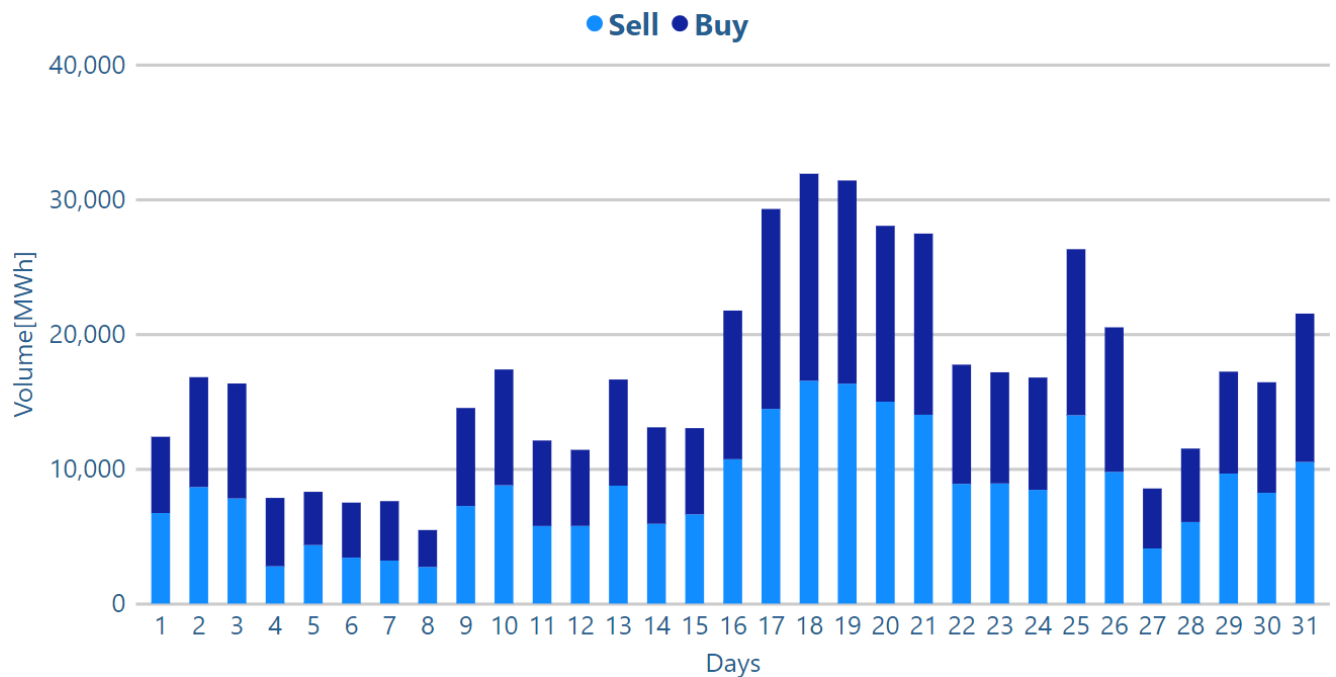
2.3. Daily MCP and volume · CRIDA3



2.4. Daily XBID Prices



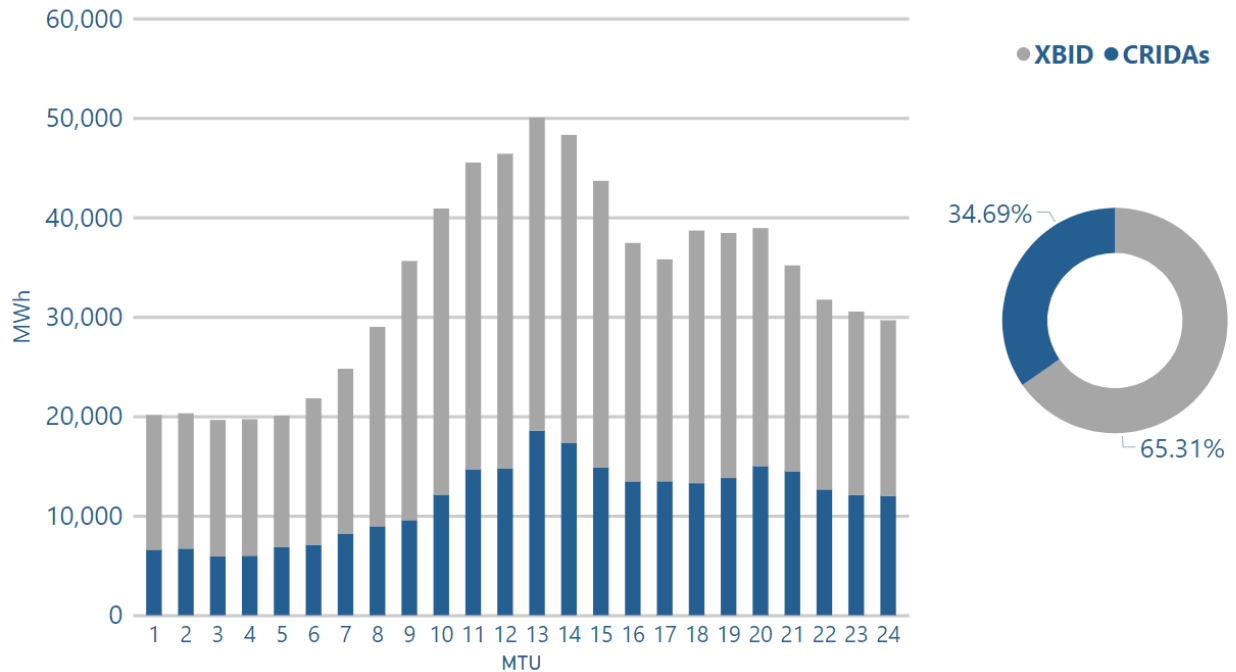
2.5. Daily XBID Volumes



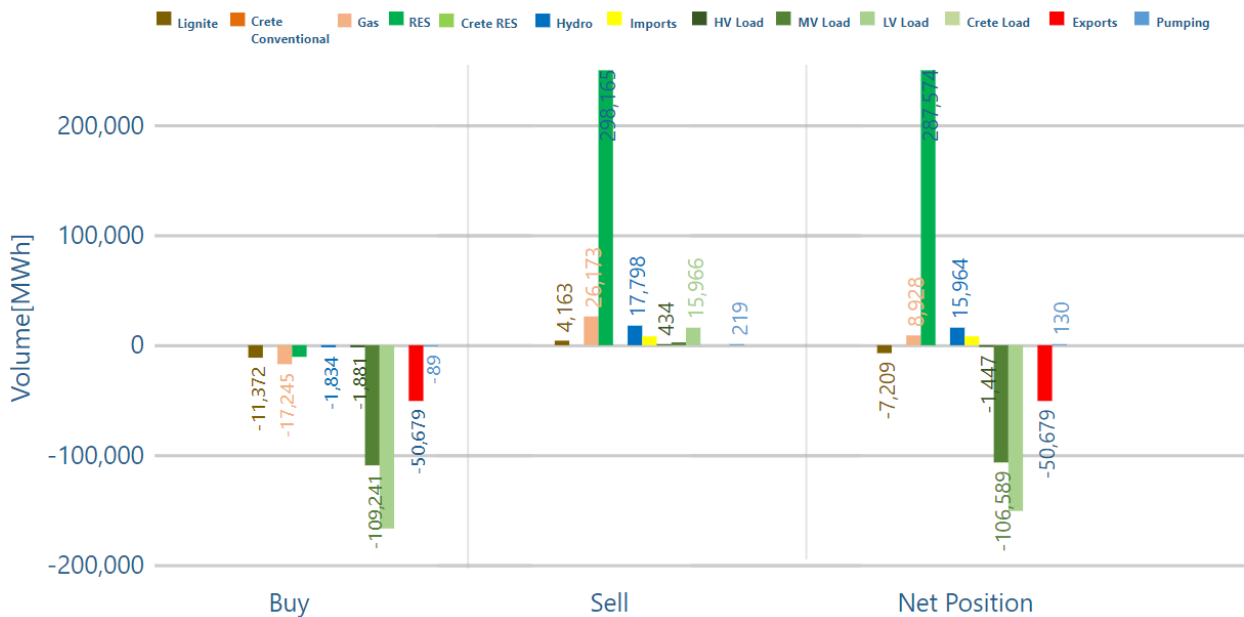
2.6. Table with MCP and volume

Year			2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2023	
Month			Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
CRIDA1	Price [€/MWh]	min	87.79	99.21	0	60.19	19.42	109.14	143.45	28.46	25	44.70	0	-90.28
		avg	209.70	274.09	243.67	223.32	237.46	316.84	422.60	402.94	226.04	225.09	281.89	191.07
		max	349	665	423.30	388.65	464.58	681	991.84	715.06	635.50	700	1.06K	700
	Volume [MWh]		40,311	70,891	52,098	52,839	34,436	162,941	183,959	146,571	86,125	59,666	32,236	31,952
CRIDA2	Price [€/MWh]	min	83.75	99.11	0.01	60.90	20.13	0	126.29	28.45	29.92	44.70	0.20	-47.45
		avg	208.97	272.01	245.06	221.25	236.83	288.59	395.14	387.59	205.56	212.60	273.38	173.21
		max	350	620.07	422.50	350	479	701	1011	900	636.55	750	1.05K	531
	Volume [MWh]		38,727	51,291	41,923	41,935	39,002	45,893	45,307	60,862	66,295	59,260	18,677	44,385
CRIDA3	Price [€/MWh]	min	123.76	98.61	0	64.30	24.11	0	82.95	-76.05	-41.27	43	-0.40	0
		avg	216.71	287.02	241.43	225.71	253.13	323.58	425.80	391.61	213.59	226.36	277.57	180.25
		max	350	599.97	394.70	350	469.04	726	1876	850	750	630	750	700
	Volume [MWh]		24,098	31,964	24,779	30,263	28,075	29,003	22,083	32,006	33,518	29,394	16,216	33,372
XBID	Price [€/MWh]	min										129	-3	-3.80
		VWAP										362.04	276.88	109.69
		max										493.55	660	413.90
	AV.Volume [MWh]											7,384	339,205	261,922

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

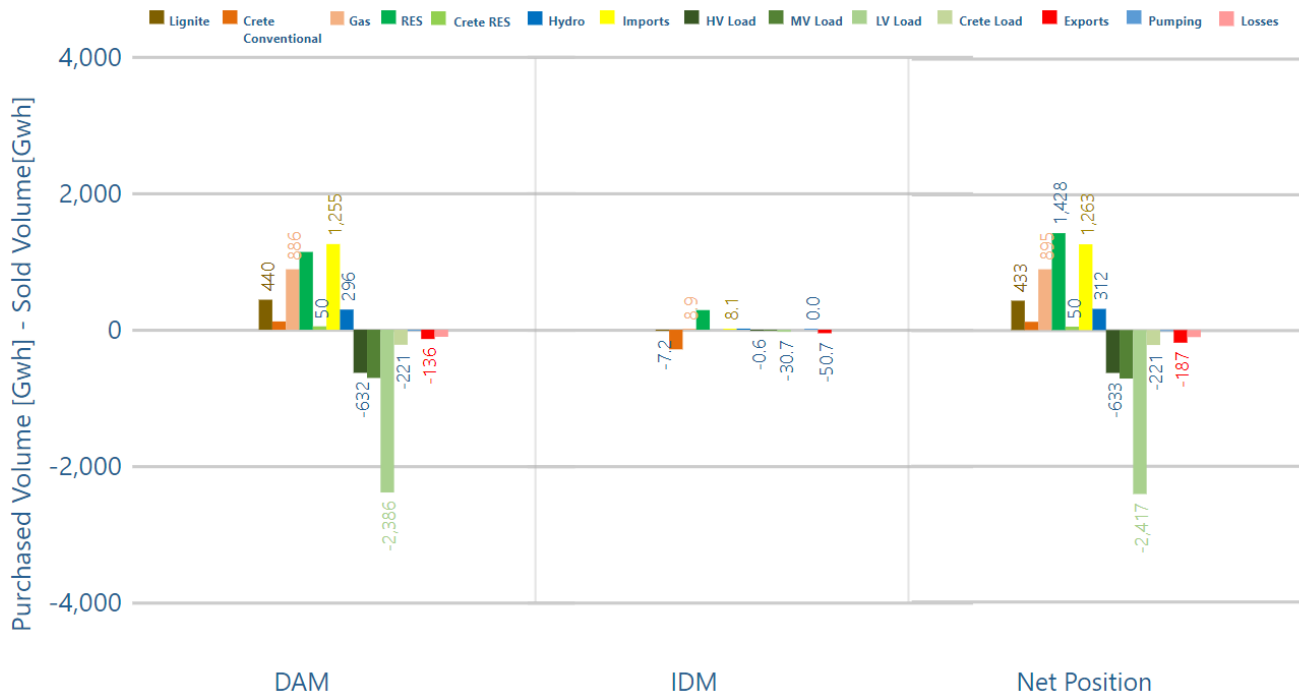
Final Market Schedules

Domestic Production

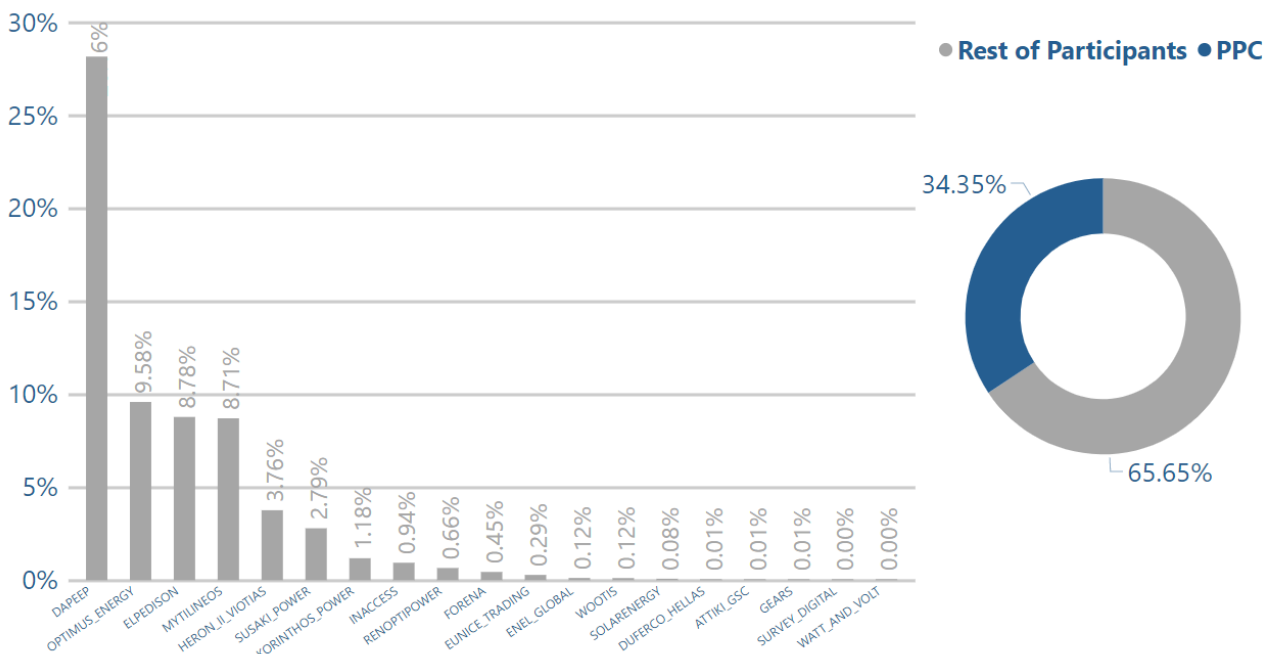
Domestic Consumption

Domestic Consumption per Voltage level

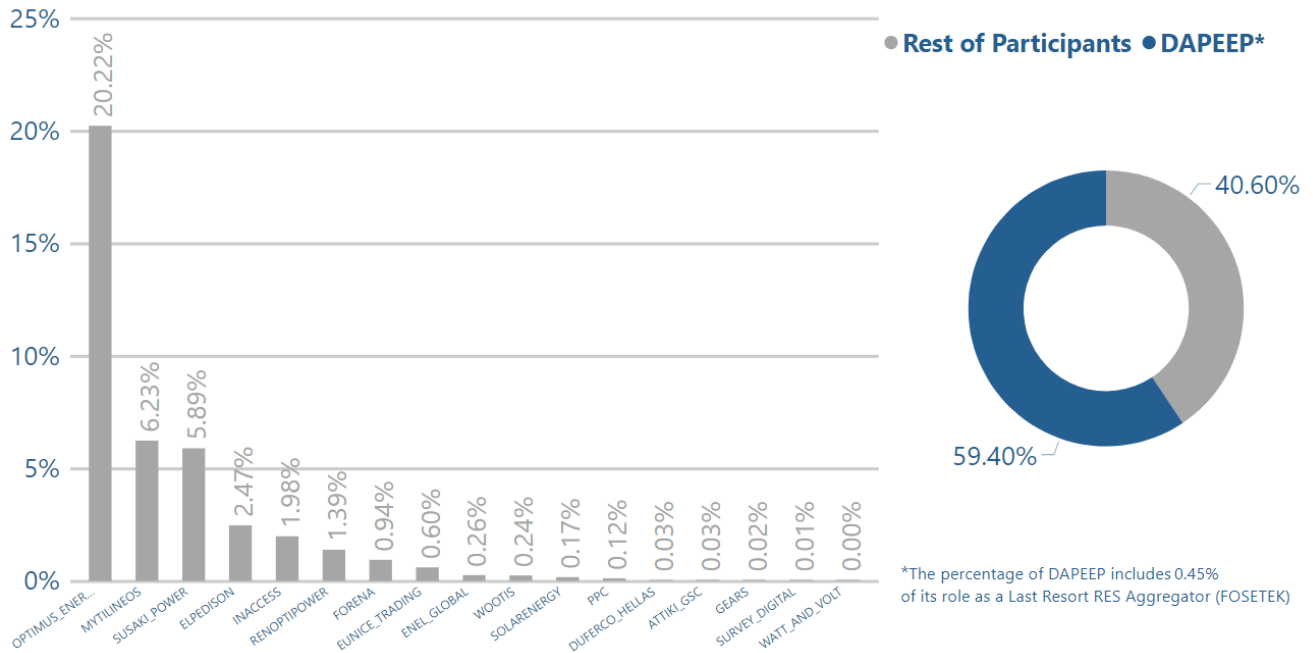
3.1 Market Schedules



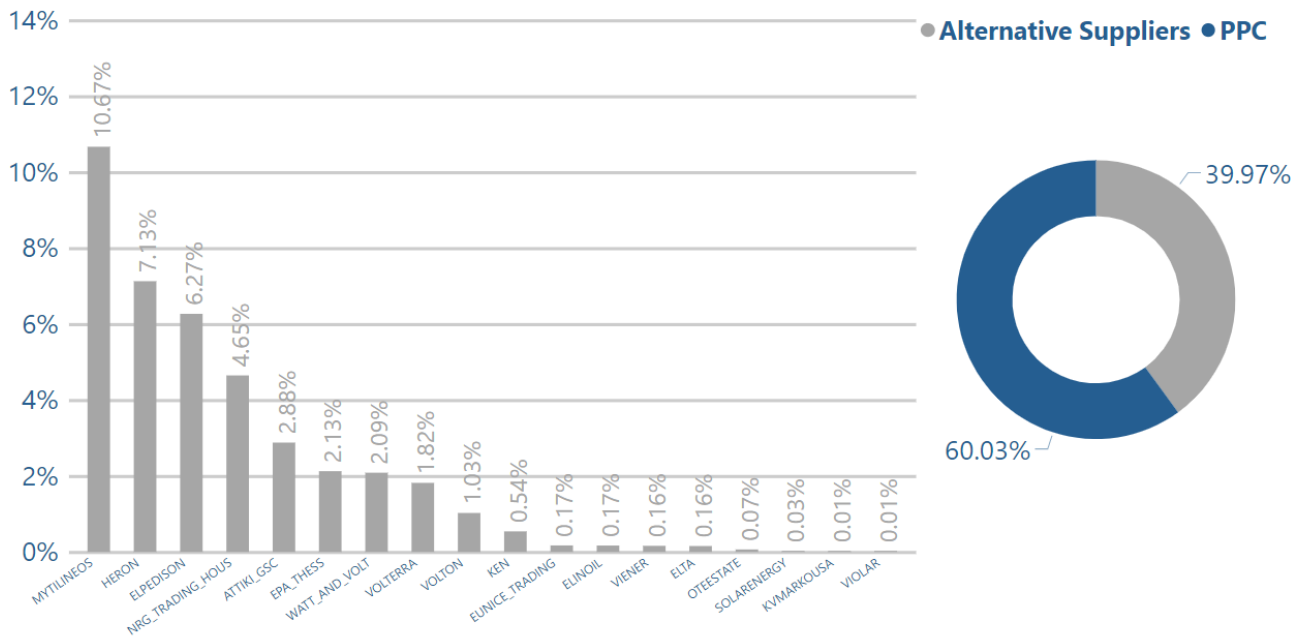
3.2 Final Market Schedules shares for all production units per Market Participant · Greek Bidding Zone



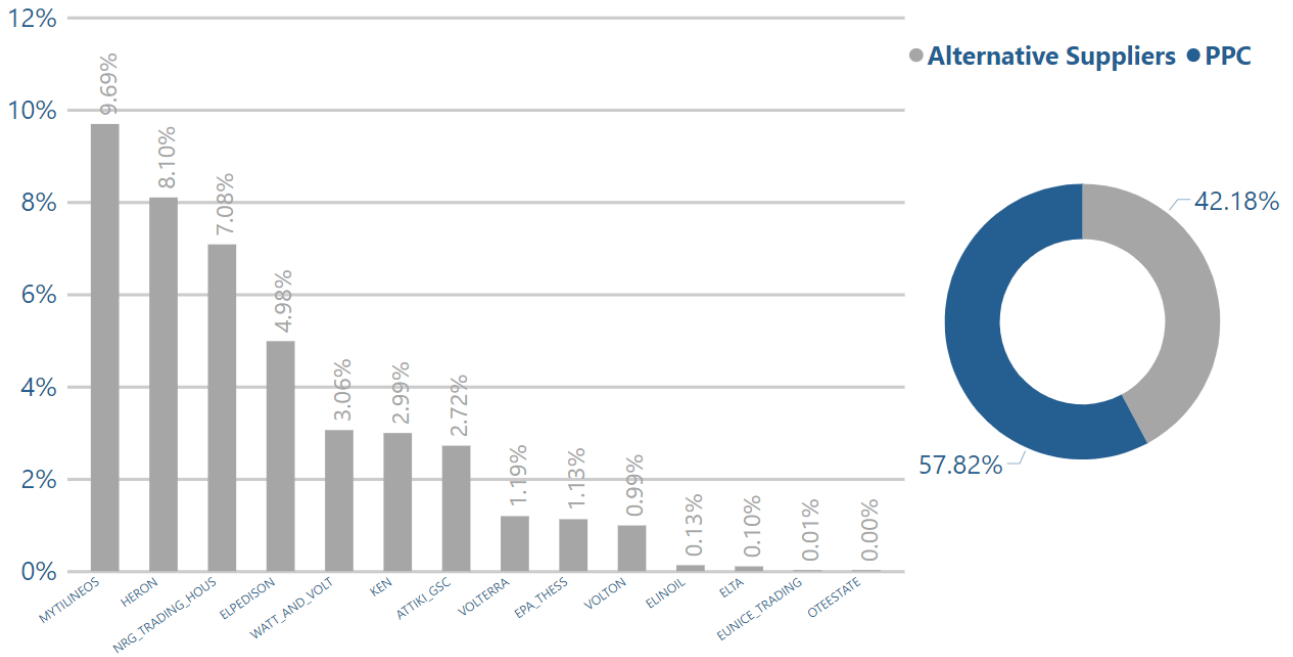
3.3 Final Market Schedules shares for RES production units per Market Participant · Greek Bidding Zone



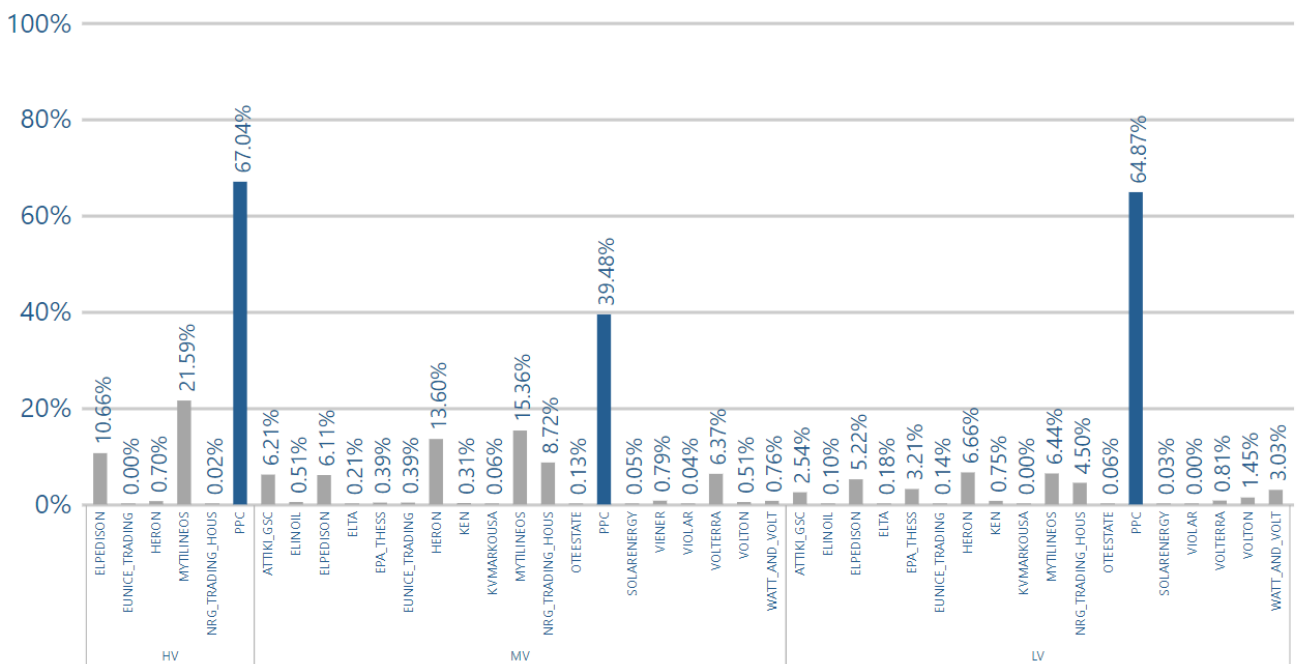
3.4 Final Market Schedules shares for domestic load per Market Participant · Mainland



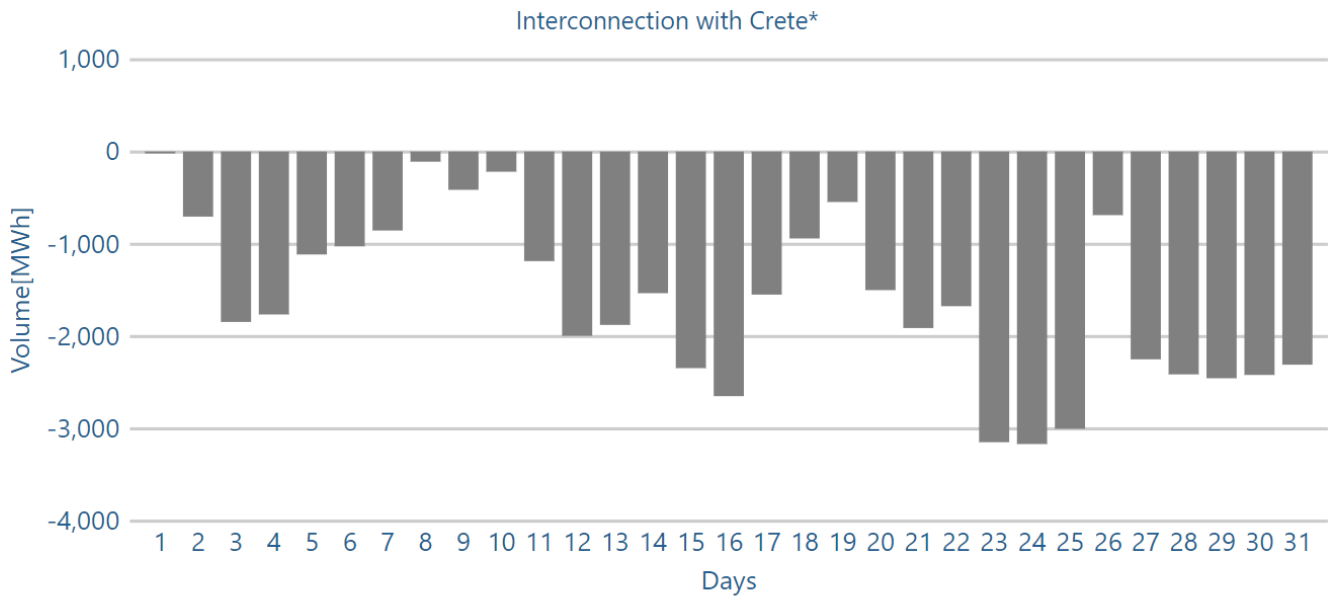
3.5 Final Market Schedules shares for domestic load per Market Participant · Crete



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

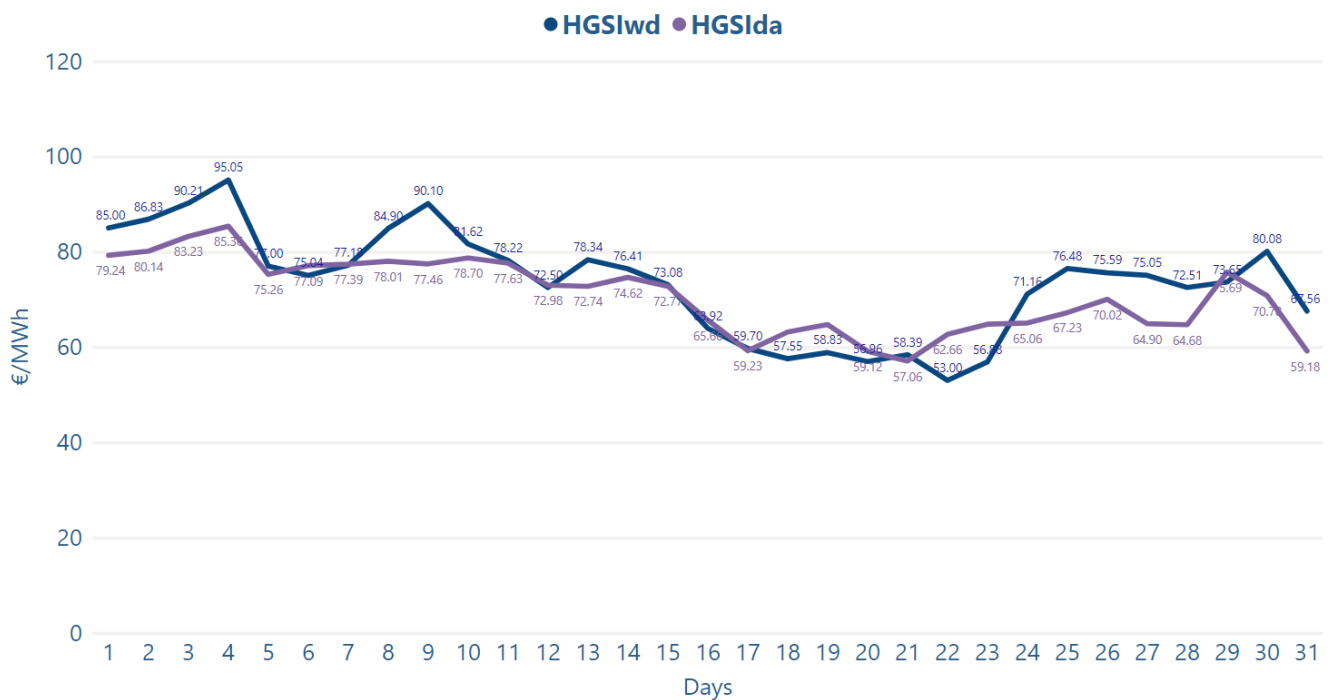
HEnEx NGAS Indices

Trading Volume per Trading Date

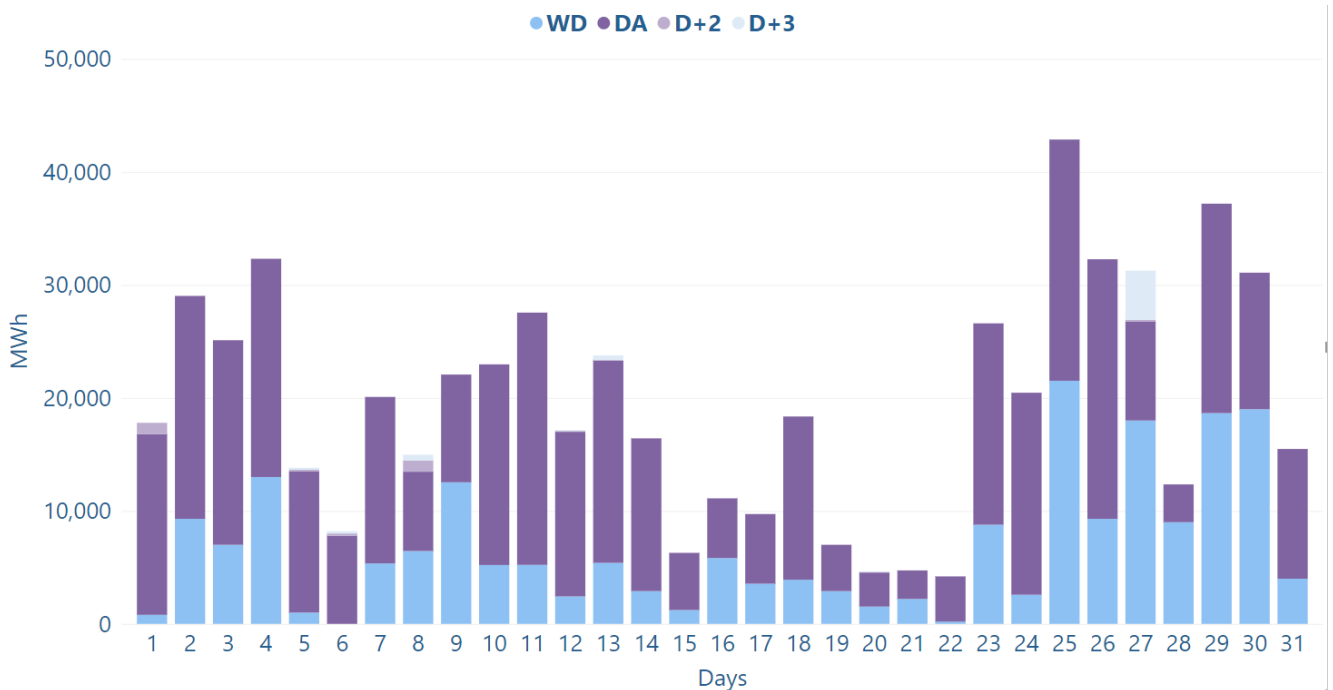
Trading Volume per Product, Session

Closing, Min, & Max Prices

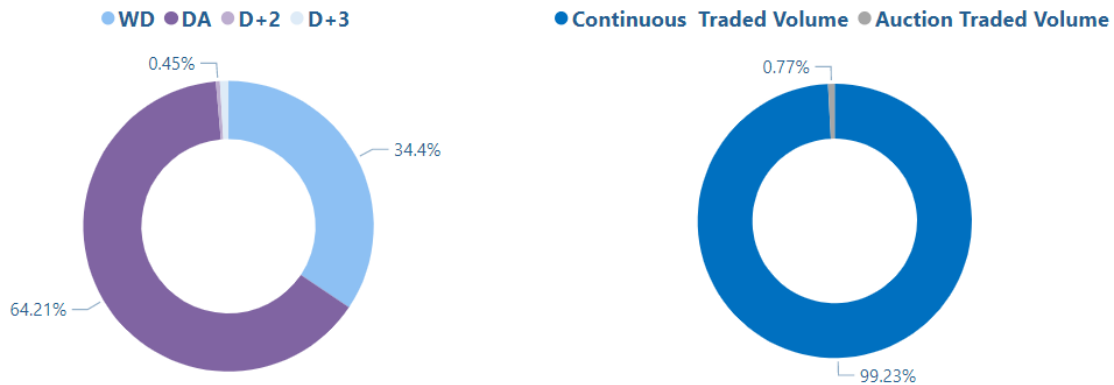
4.1 HEnEx NGAS indices



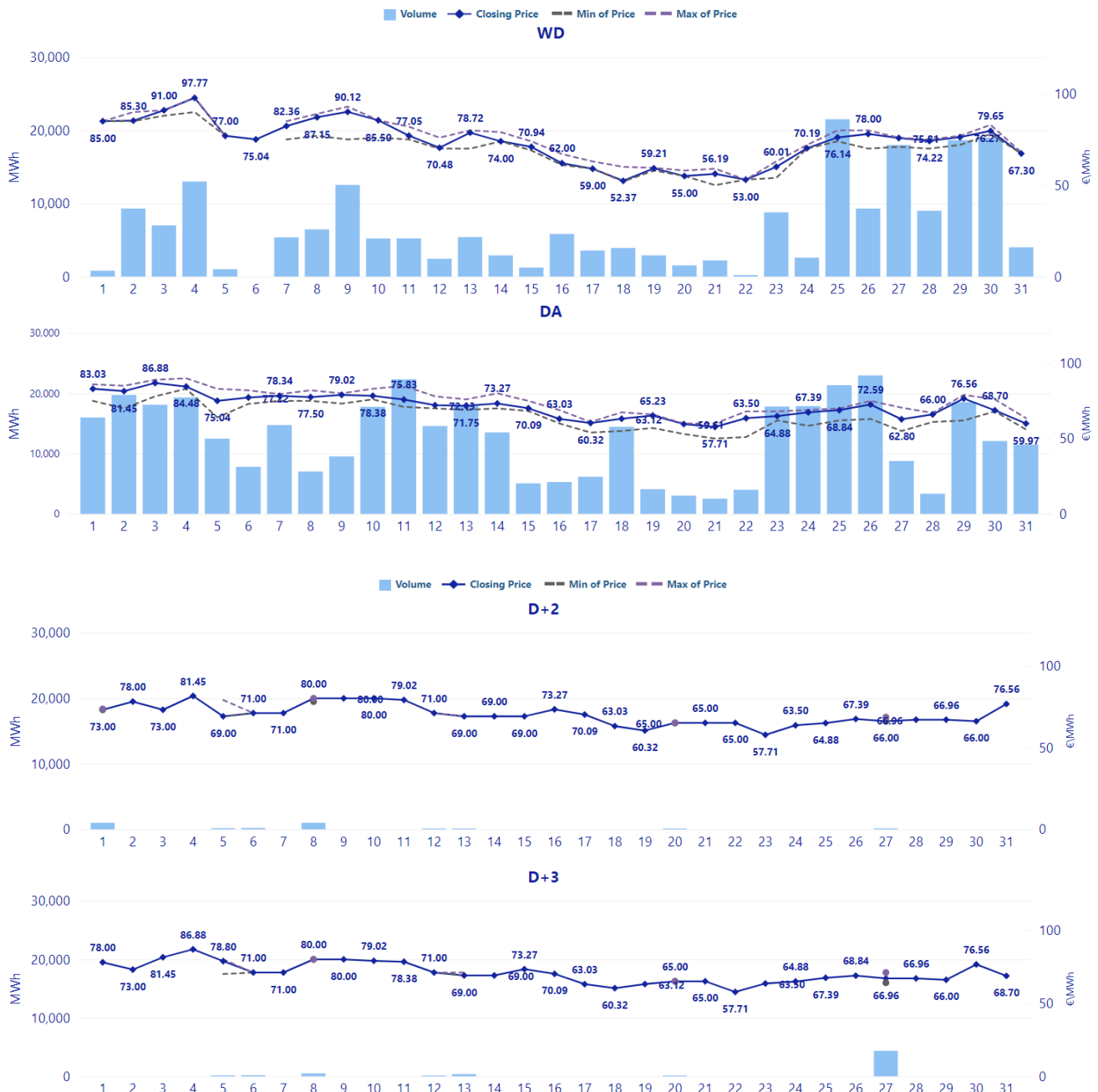
4.2 Trading Volume per Trading Day



4.3 Trading Volume per Product & Session



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



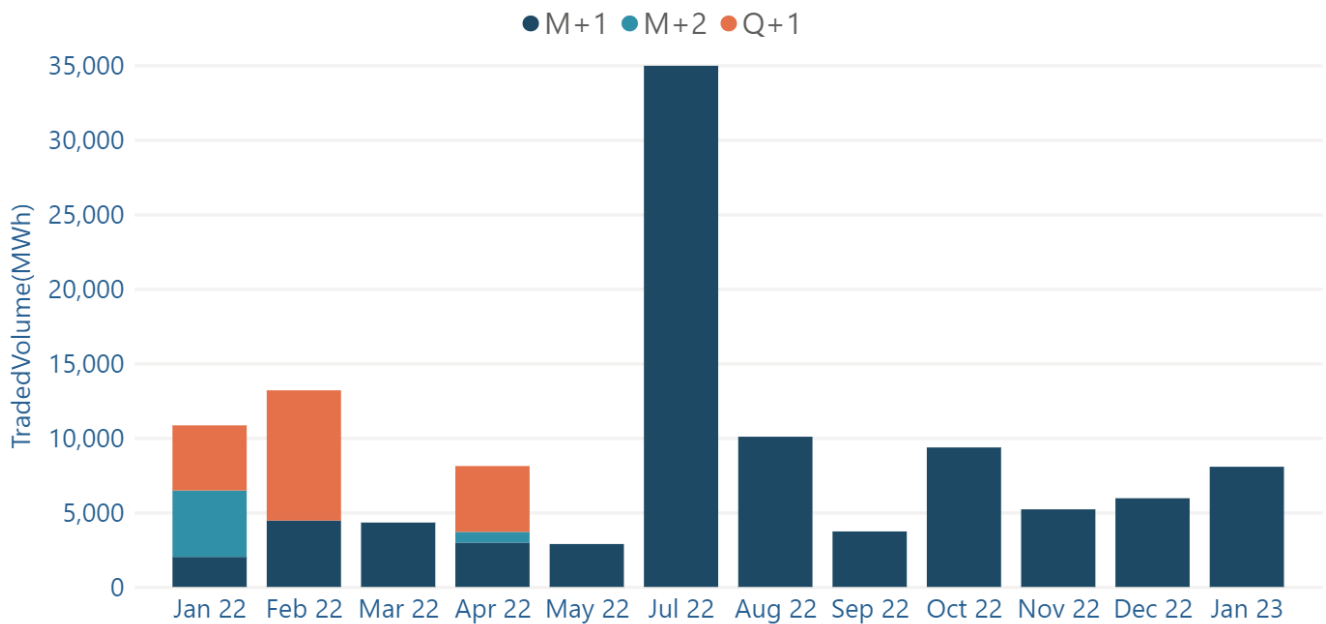
5 Derivatives Market

Traded Volume by Instrument and Month – Baseload

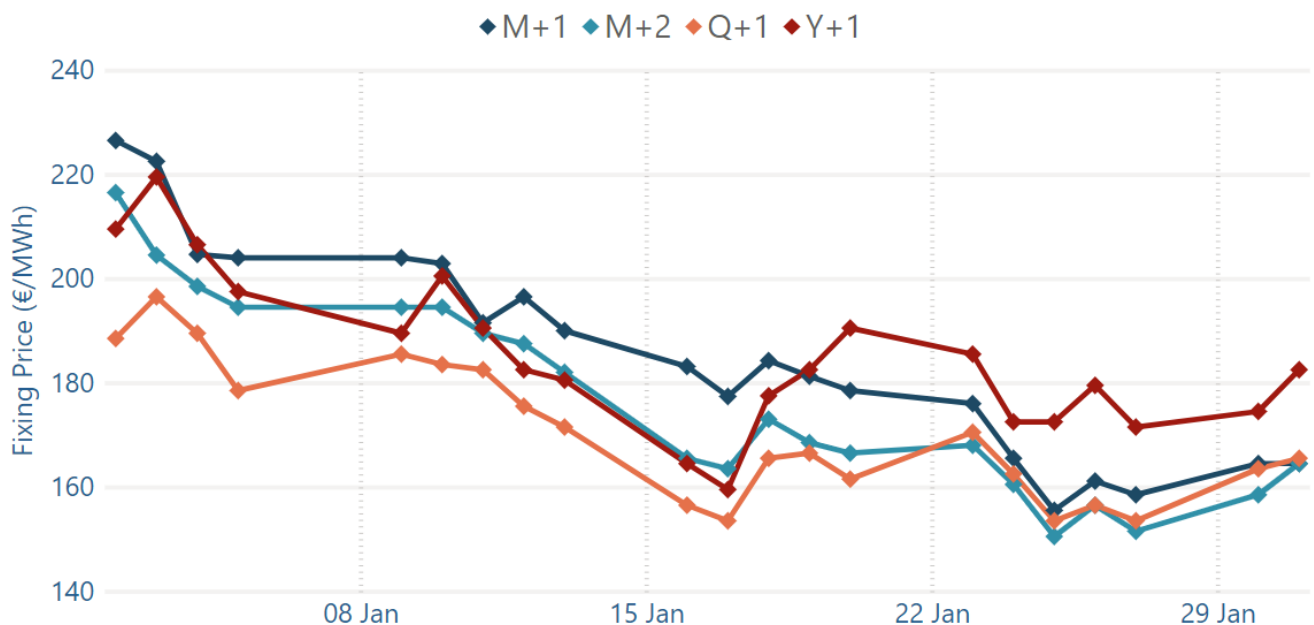
Daily Settlement prices for Baseload Instruments – Baseload

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

GREBM0123 - Final Settlement Price

191.79

Baseload

GREPM0123 - Final Settlement Price

201.6

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.