



Monthly Report · December 2021




Day Ahead & Intraday Electricity Markets – Greek Bidding Zone

GENERAL TERMS AND CONDITIONS OF DATA USE

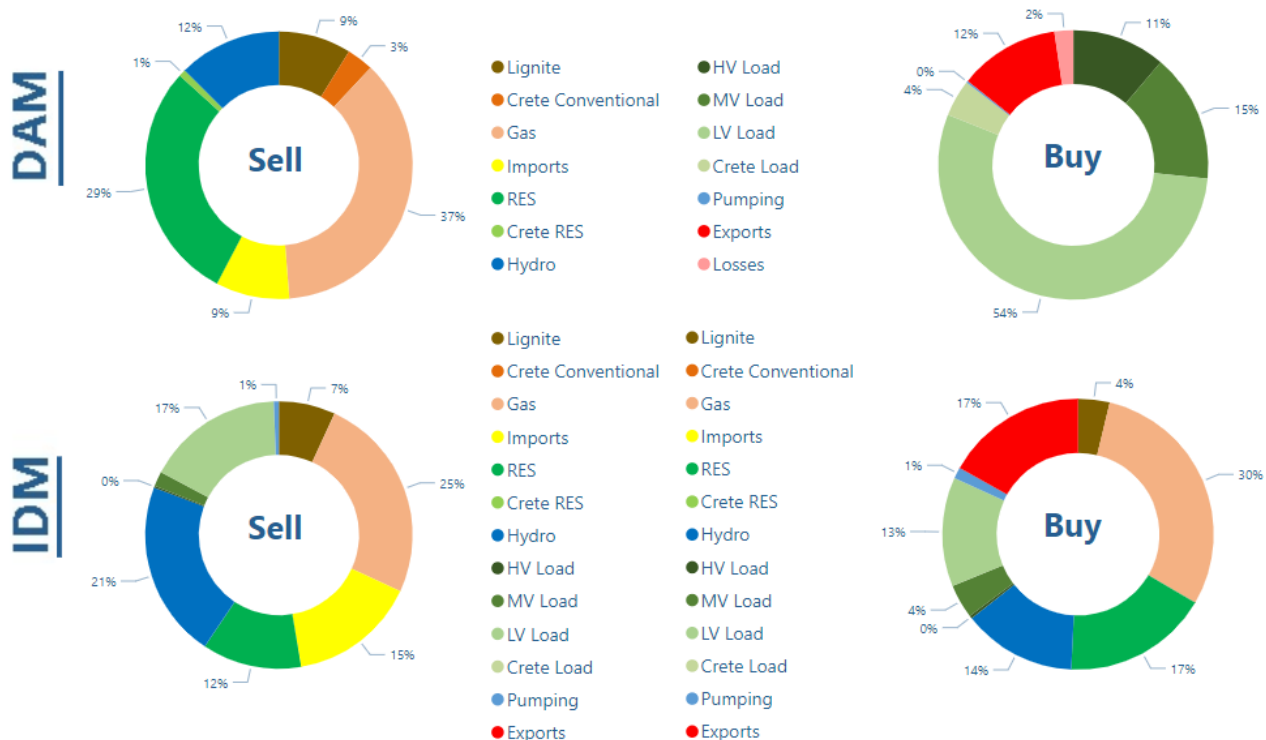
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Summary

	Dec 2021	Nov 2021	Dec 2020		<u>DAM</u>	<u>CRIDA1</u>	<u>CRIDA2</u>	<u>CRIDA3</u>
				€/MWh	235.38	234.23	233.08	256.79
					228.87	227.79	227.54	249.59
					58.93	60.26	59.09	54.98
				GWh	5,535	59.3	44.4	43.4
					4,649	57.2	41.3	25.6
					4,840	50.8	22.7	10.0
				M €	1358.6	15.65	10.96	10.96
					1092.4	14.41	9.63	6.51
					301.0	3.22	1.30	0.59

Volume mix



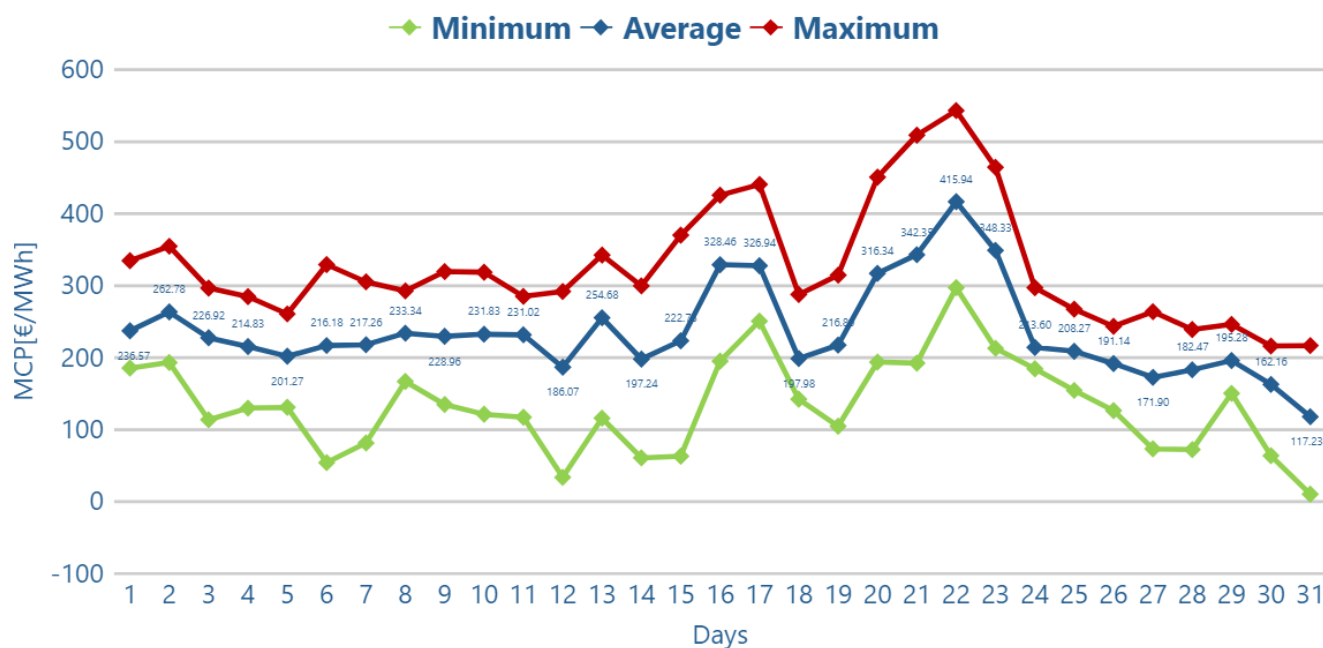
1. DAM

Market Clearing Price (MCP)

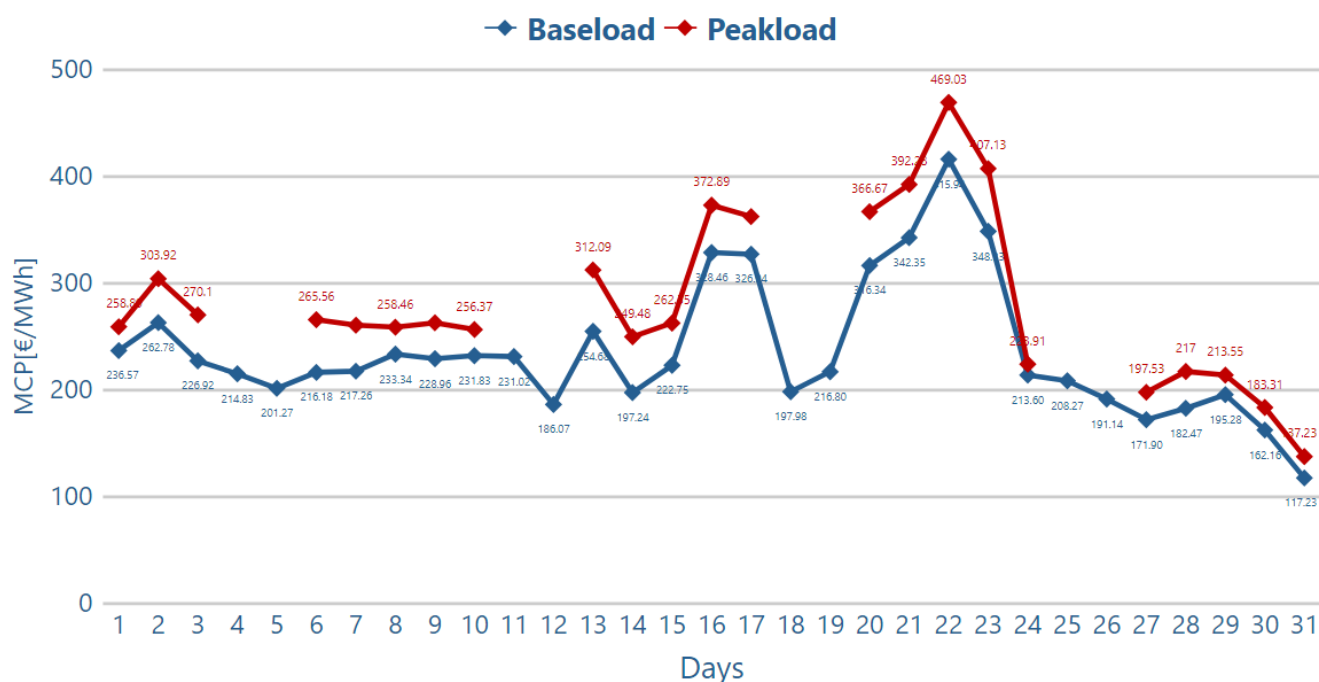
Volumes, technologies and order types

Interconnections

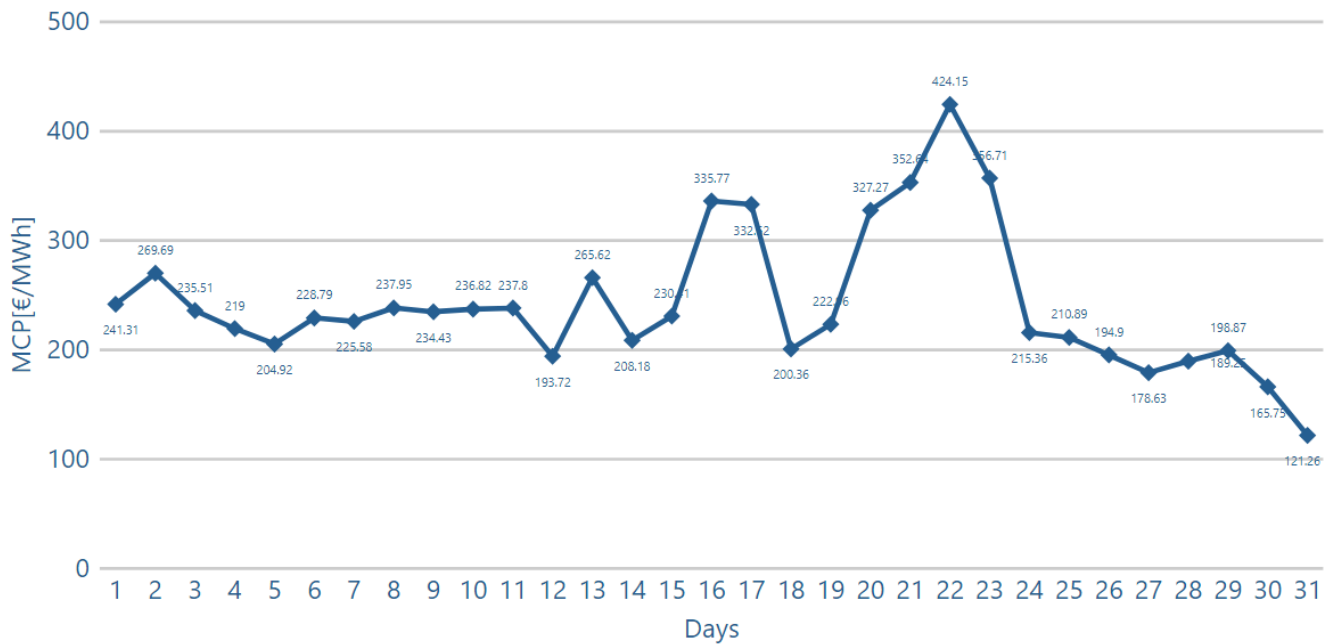
1.1. Daily MCP data of GR BZ



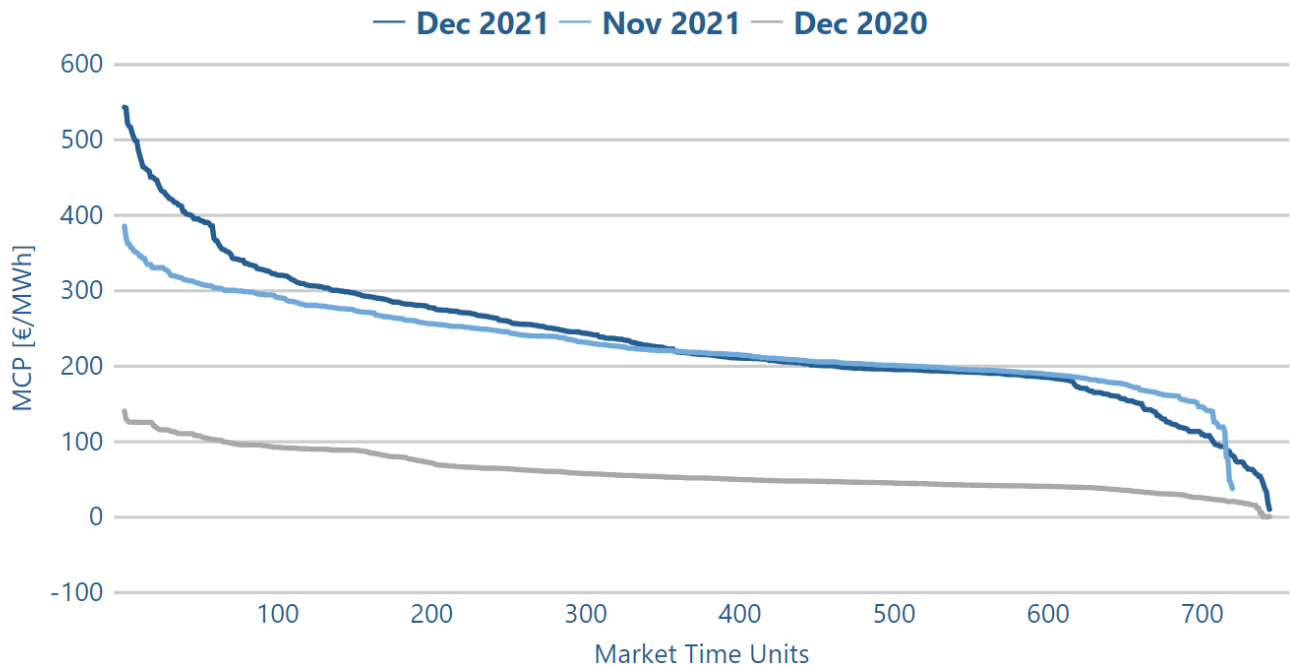
1.2. Daily average prices



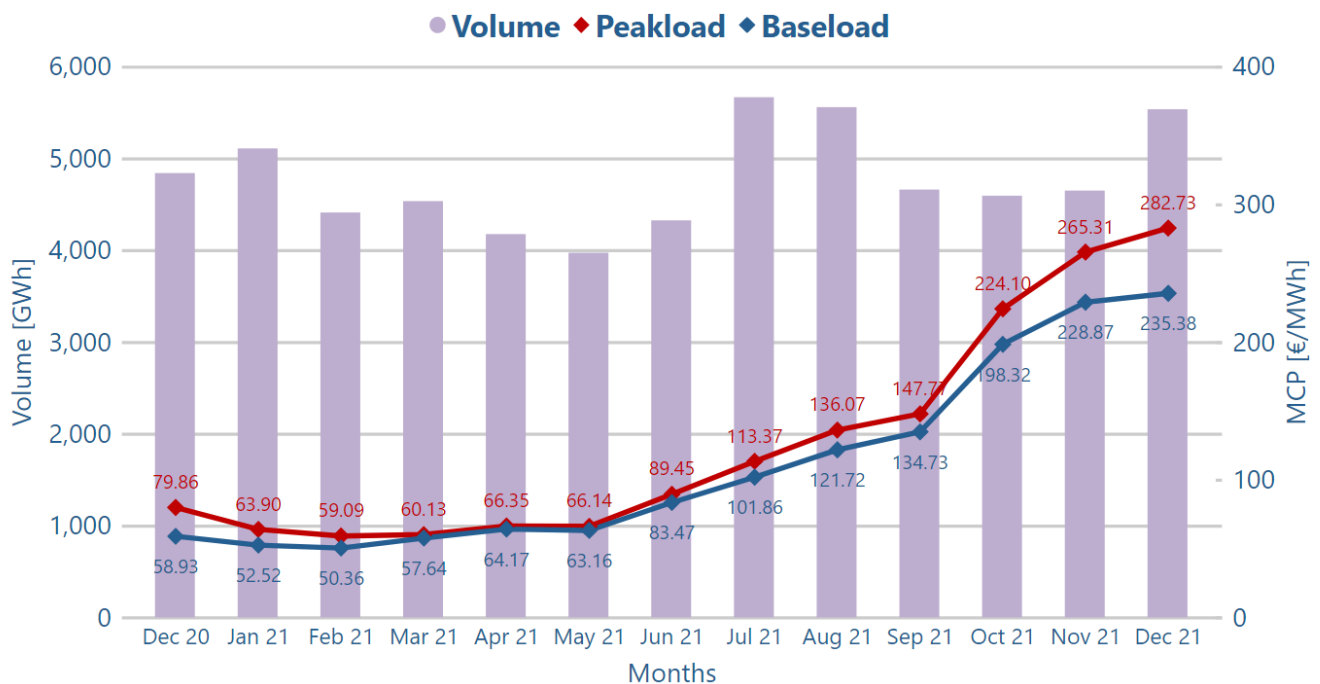
1.3. Daily weighted average baseload price



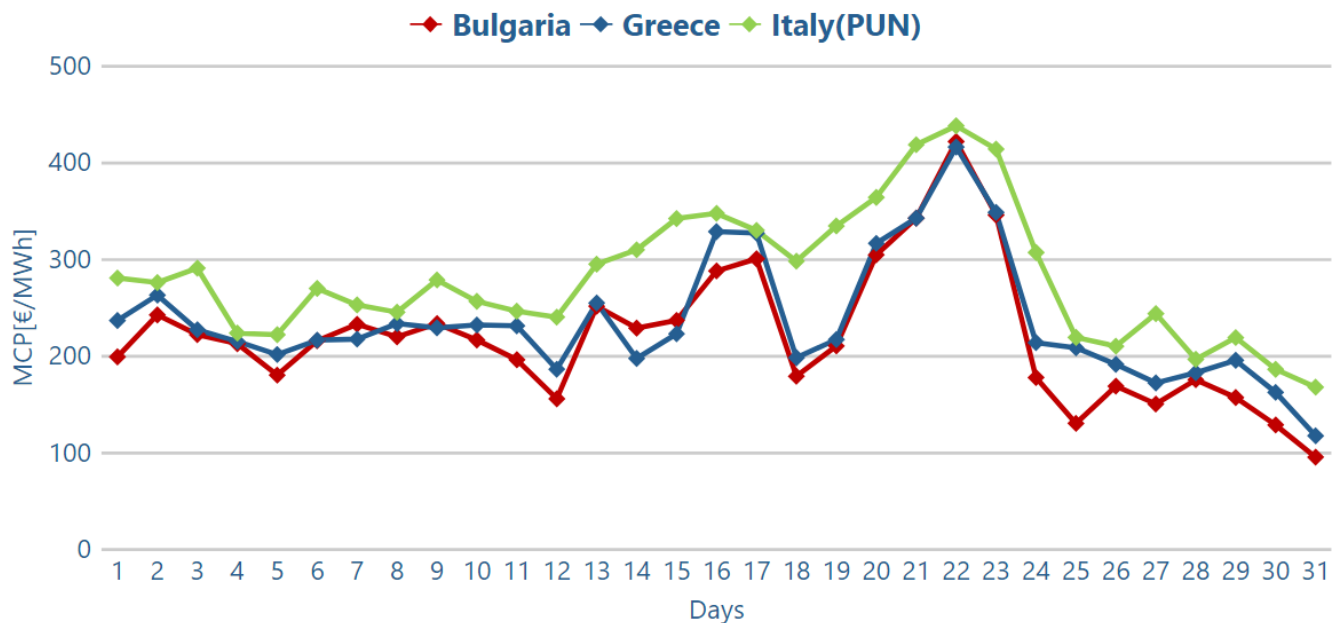
1.4. MCP duration curve



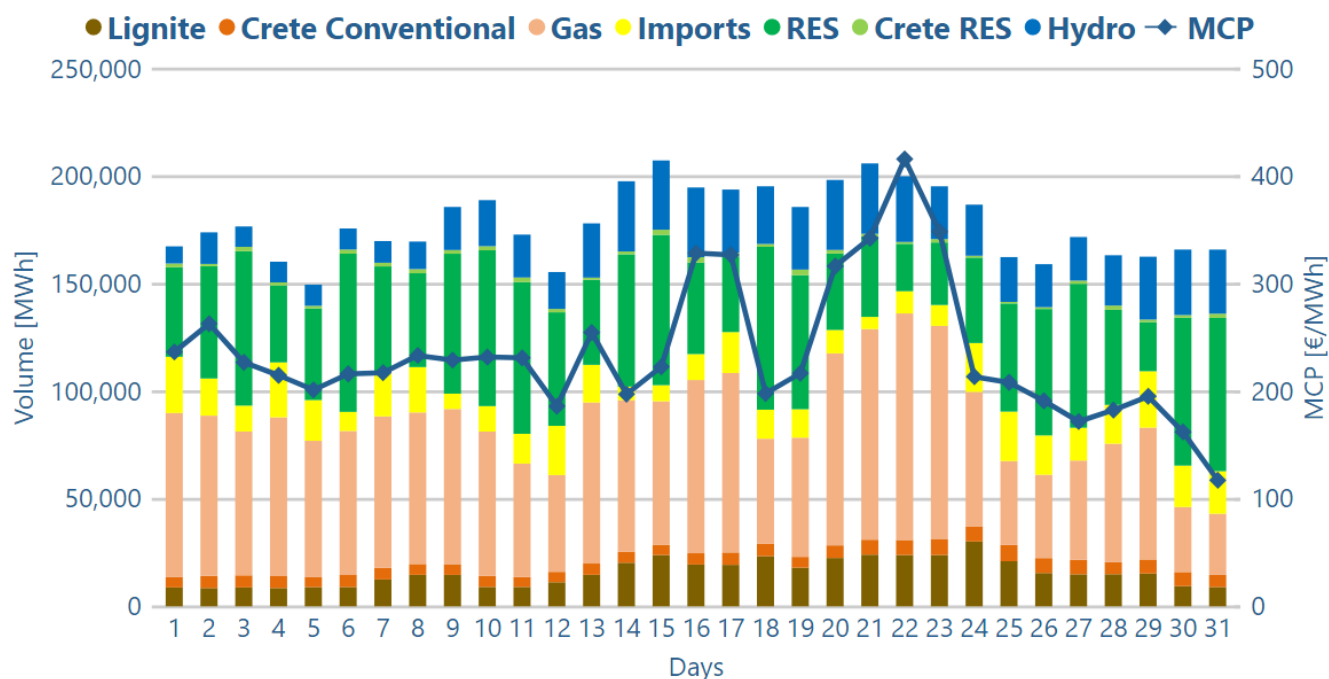
1.5. Monthly volume and average prices



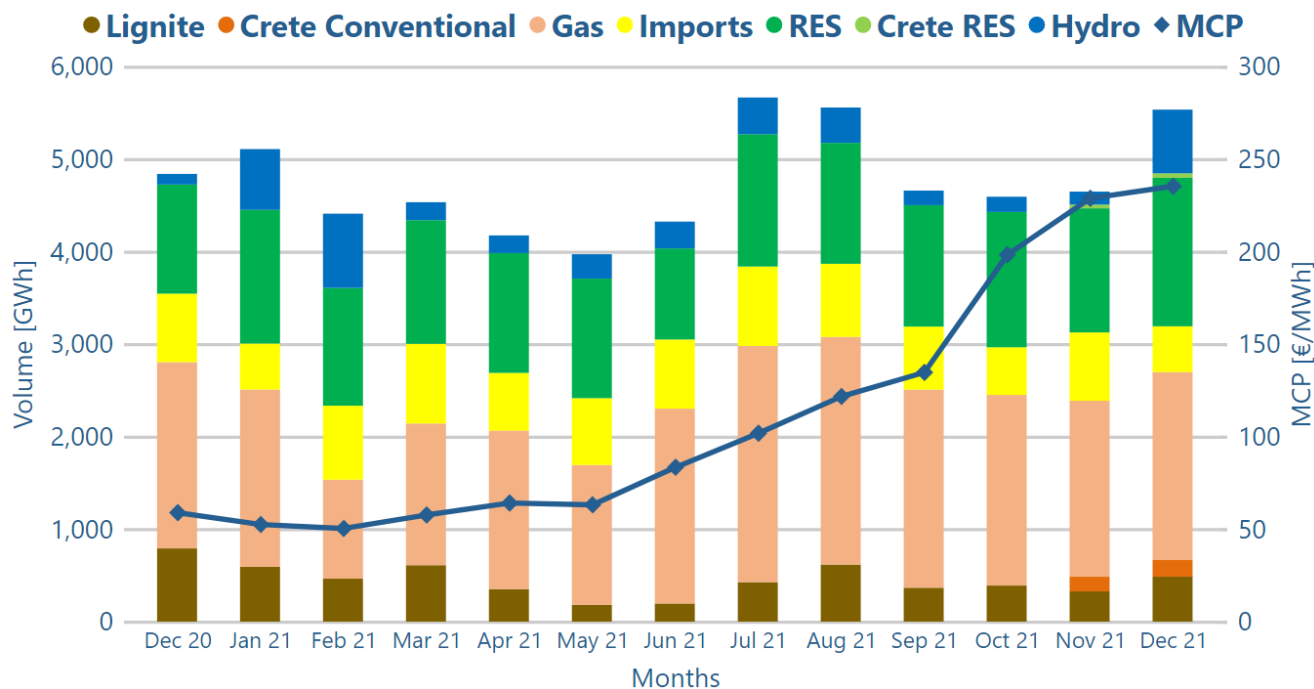
1.6. Daily average MCP of GR, IT, BG



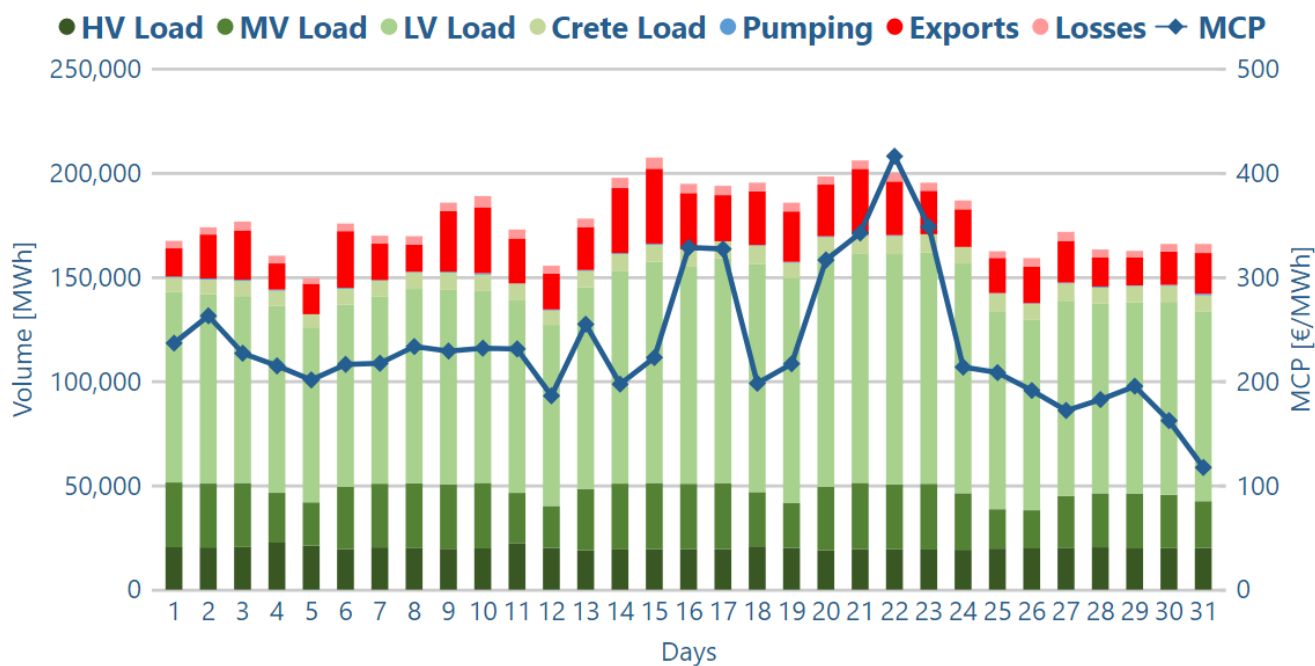
1.7. Volume mix of sell side per day



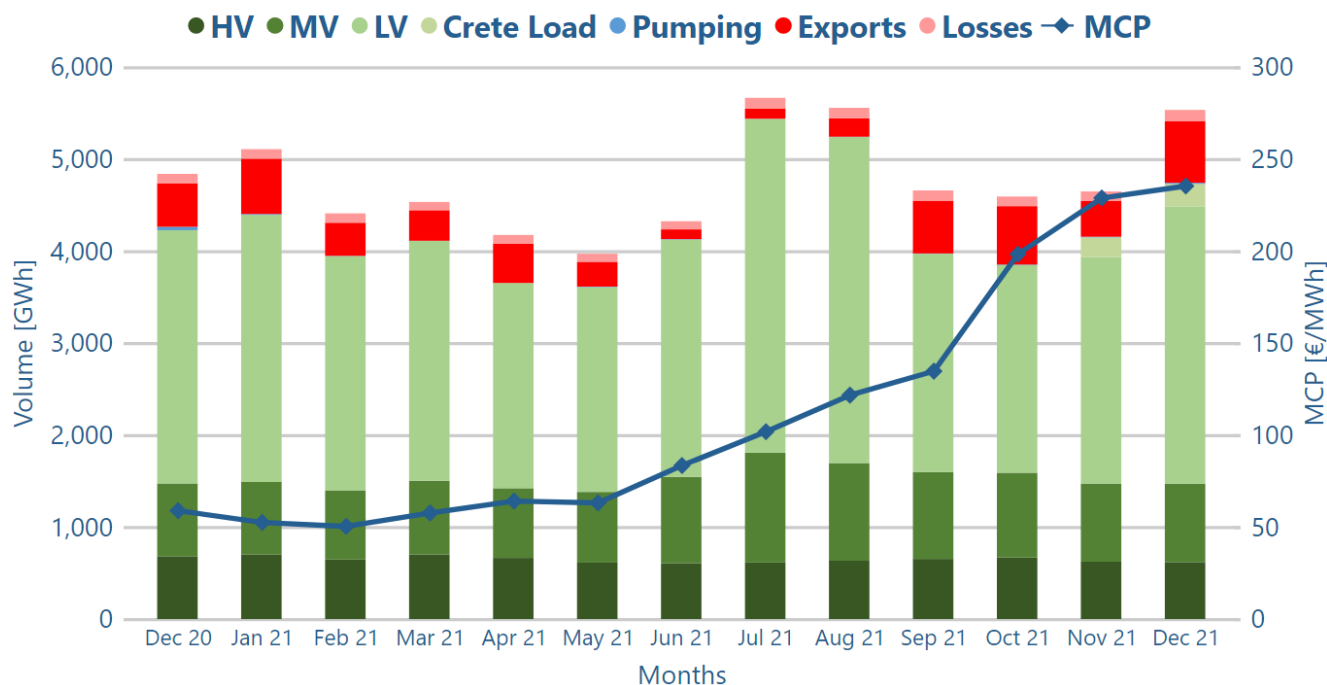
1.8. Volume mix of sell side per month



1.9. Volume mix of buy side per day



1.10. Volume mix of buy side per month

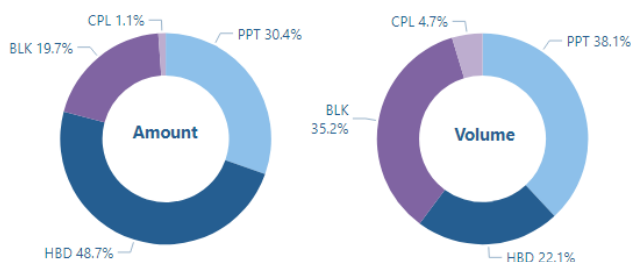


1.11. Table with MCP and volume per month

Year	Month	Minimum MCP [€/MWh]	Average MCP [€/MWh]		Maximum MCP [€/MWh]	Peakload MCP [€/MWh]		Volume [Gwh]
2020	December	-0.01	58.93	↑ 12%	140.01	79.86	↑ 28%	4,840
2021	January	1.50	52.52	↓ -11%	98.02	63.90	↓ -20%	5,109
2021	February	-0.01	50.36	↓ -4%	90.96	59.09	↓ -8%	4,411
2021	March	0.00	57.64	↑ 14%	110.60	60.13	↑ 2%	4,535
2021	April	10.40	64.17	↑ 11%	101.73	66.35	↑ 10%	4,176
2021	May	0.00	63.16	↓ -2%	104.13	66.14	↓ -0%	3,972
2021	June	38.88	83.47	↑ 32%	144.64	89.45	↑ 35%	4,325
2021	July	48.79	101.86	↑ 22%	160.37	113.37	↑ 27%	5,667
2021	August	62.71	121.72	↑ 19%	208.12	136.07	↑ 20%	5,558
2021	September	59.50	134.73	↑ 11%	216.94	147.77	↑ 9%	4,660
2021	October	78.56	198.32	↑ 47%	344.00	224.10	↑ 52%	4,594
2021	November	37.38	228.87	↑ 15%	385.00	265.31	↑ 18%	4,649
2021	December	9.70	235.38	↑ 3%	542.50	282.73	↑ 7%	5,535

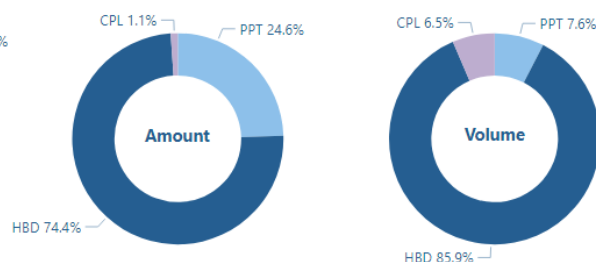
1.12. Trades per Order type

Sell Side



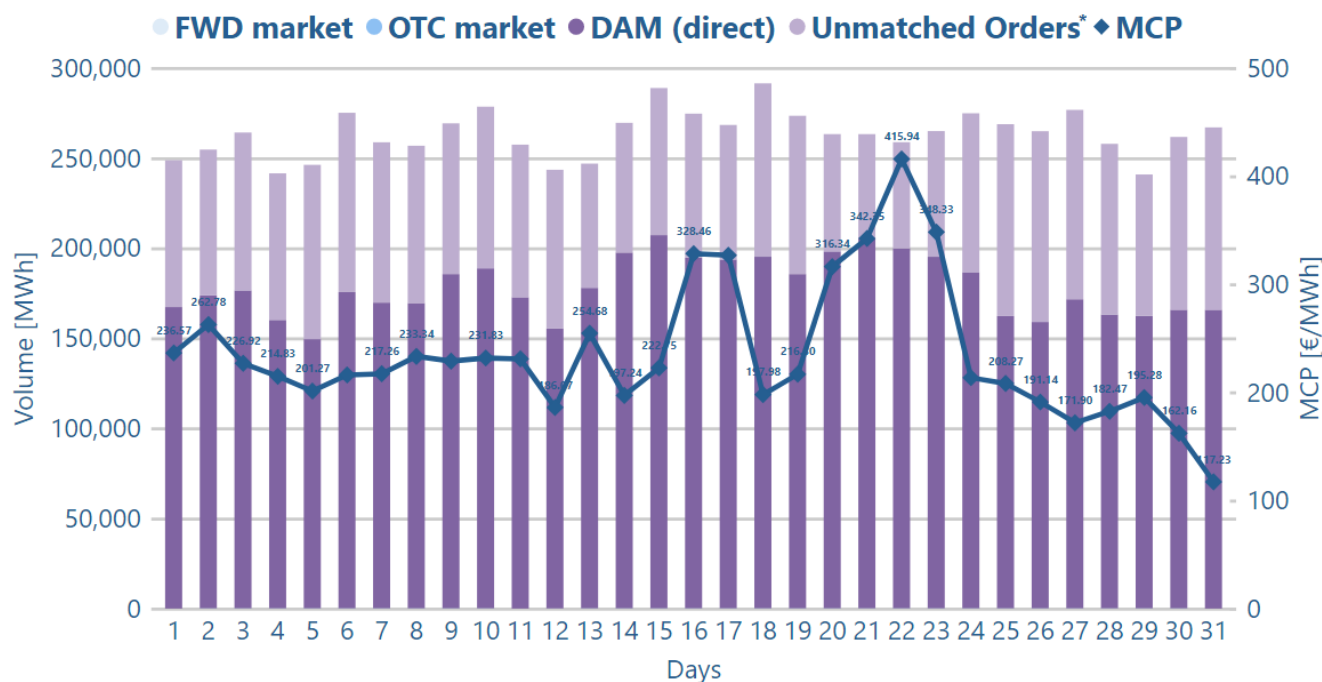
	PPT	HBD	BLK	CPL
Amount	17144	27435	11099	634
Volume [GWh]	2107	1222	1947	259

Buy Side



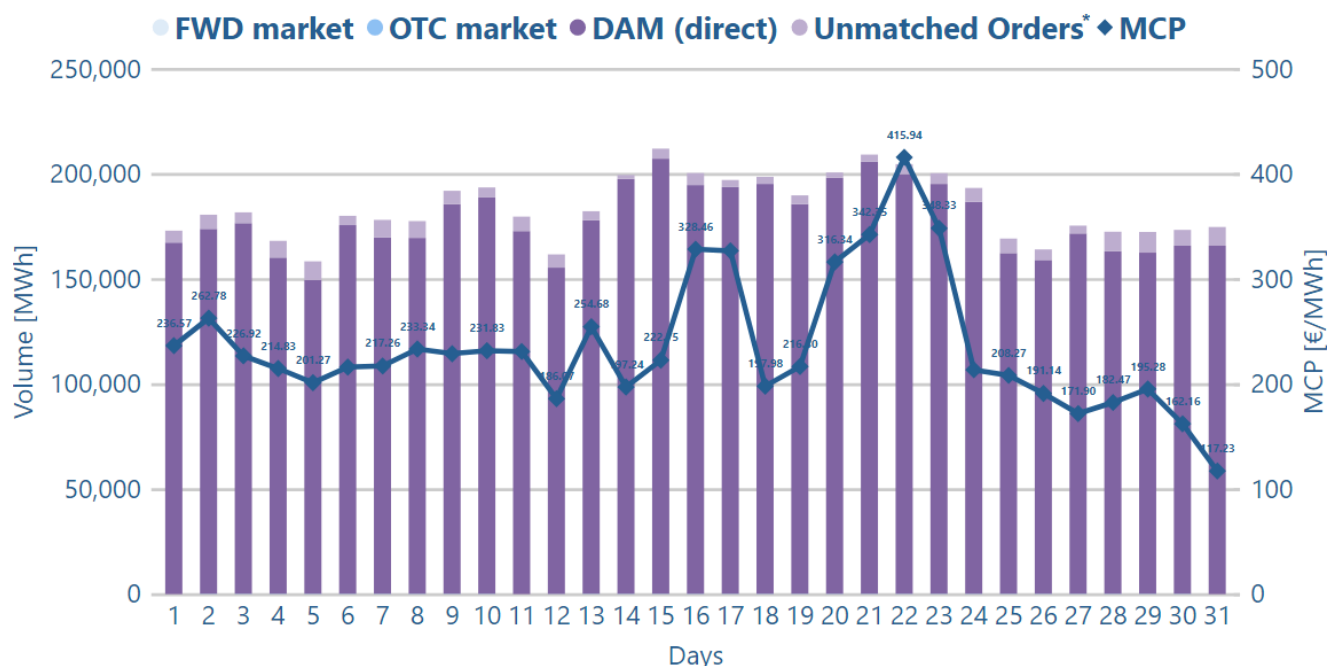
	PPT	HBD	CPL
Amount	19292	58421	854
Volume [GWh]	421	4756	359

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



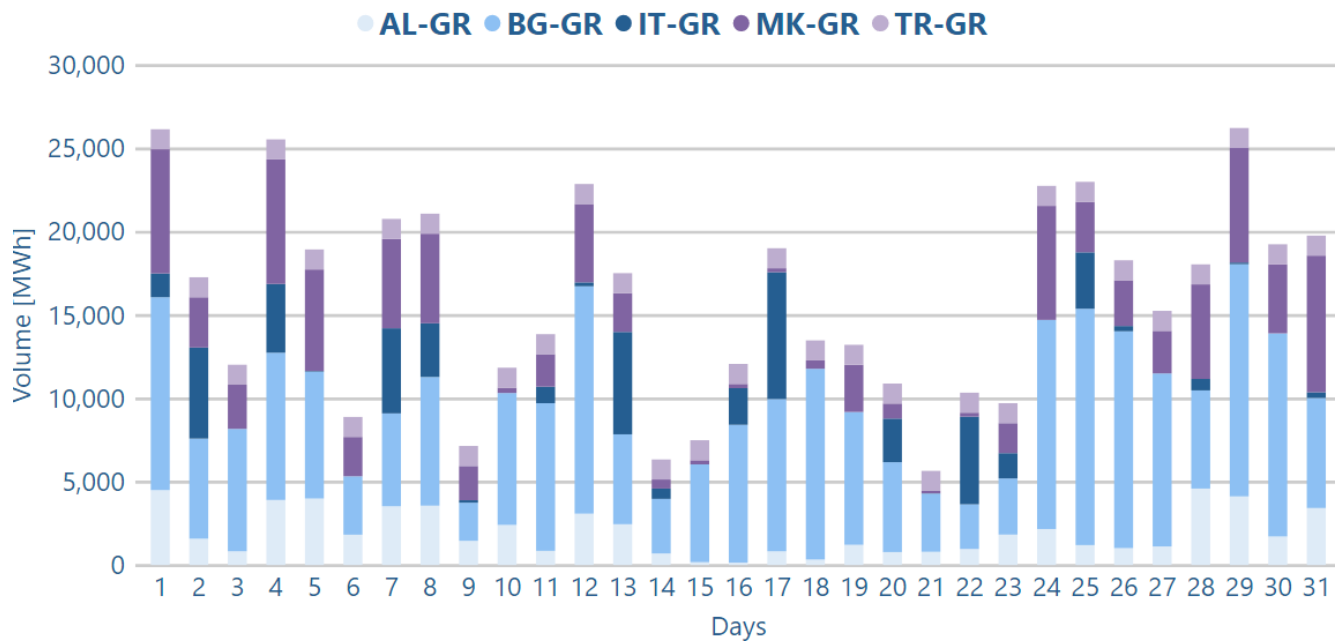
*The Unmatched Orders include all sell orders that have not been included in the algorithm (excluding block orders).

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

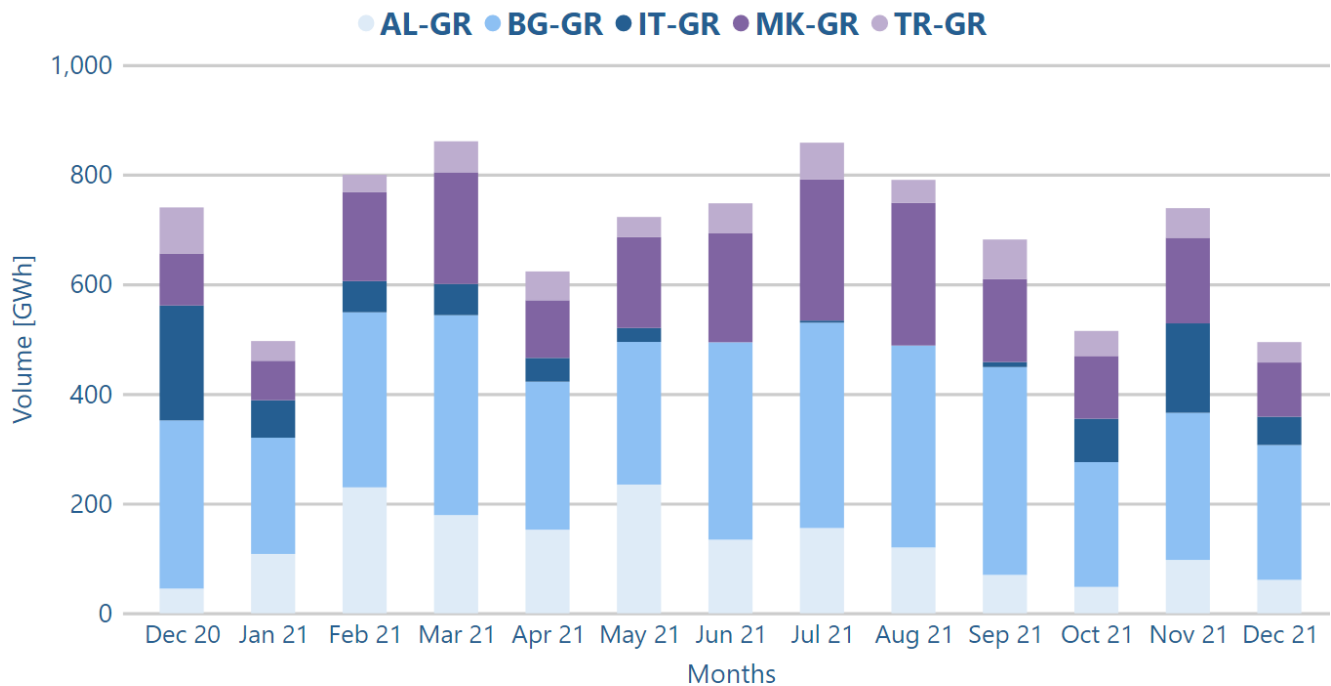


*The Unmatched Orders include all buy orders that have not been included in the algorithm.

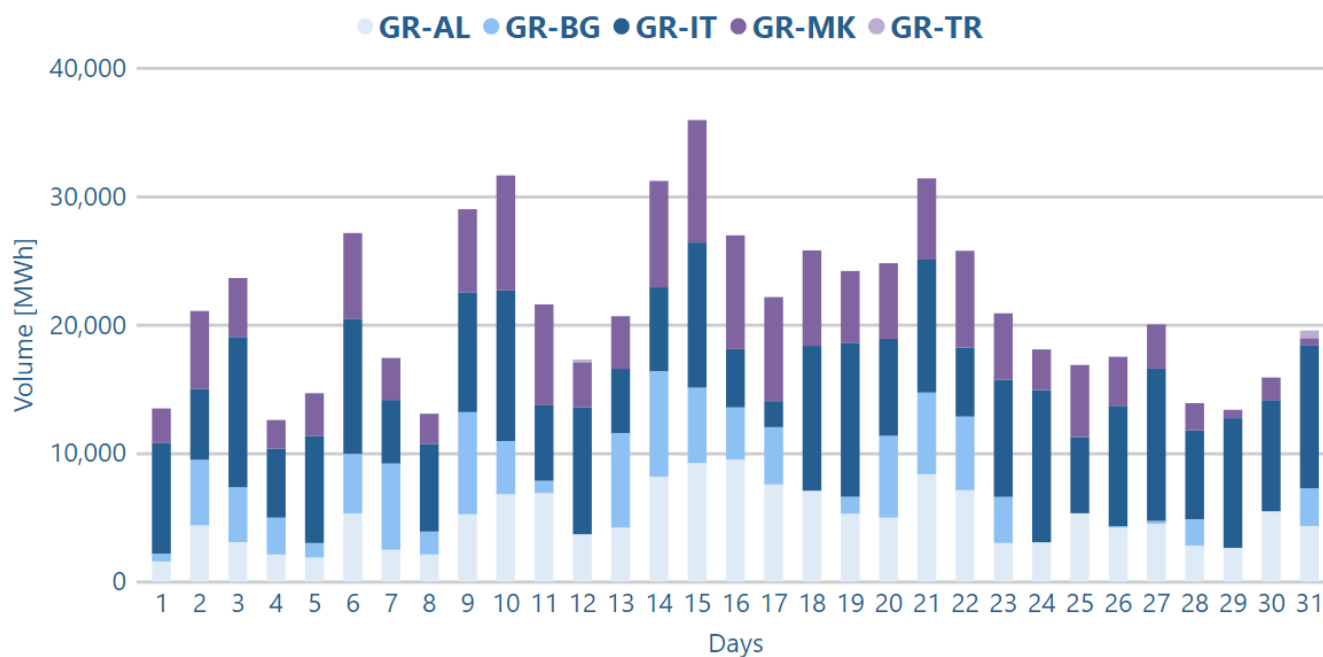
1.15. Cross Border volume · Imports per day



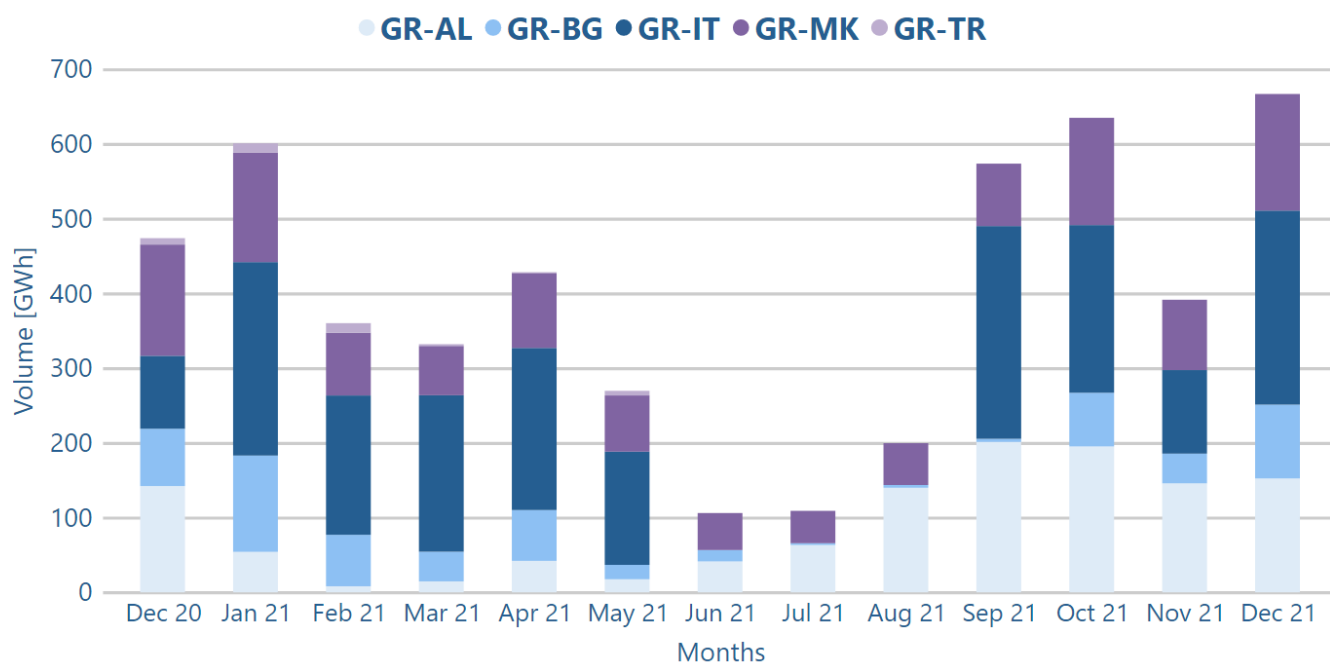
1.16. Cross Border Volume · Imports per month



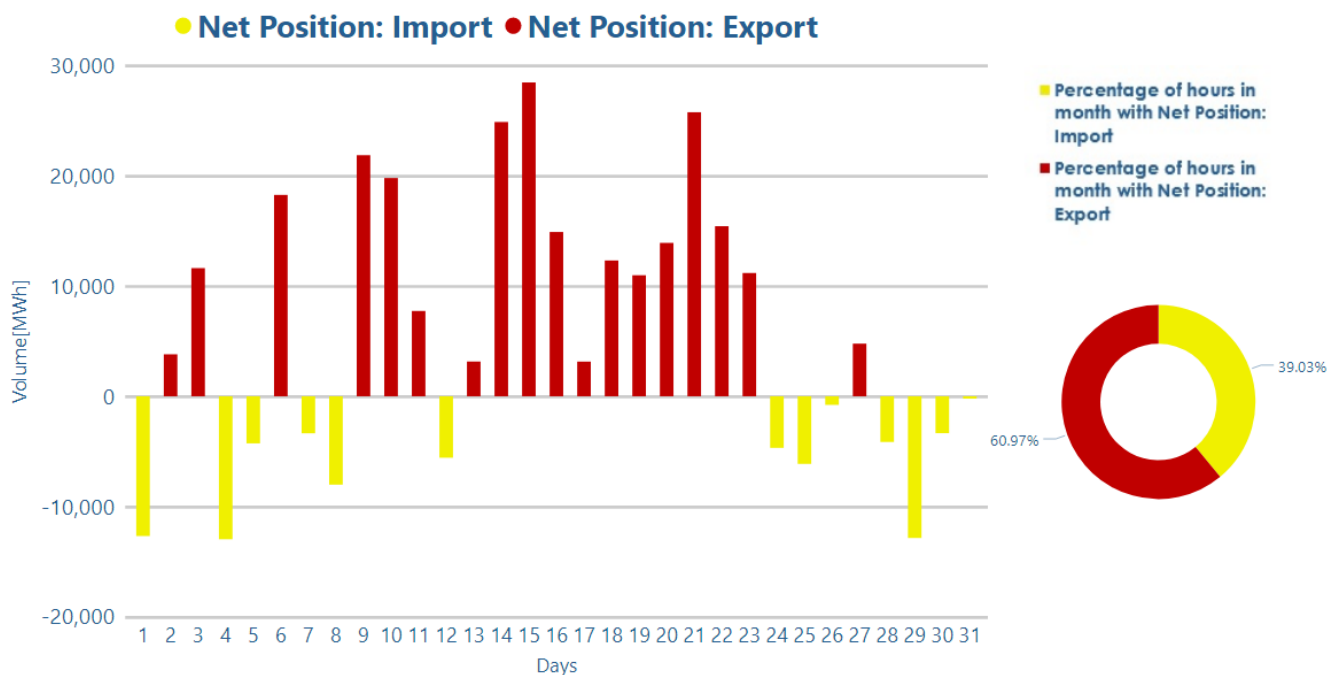
1.17. Cross Border volume · Exports per day



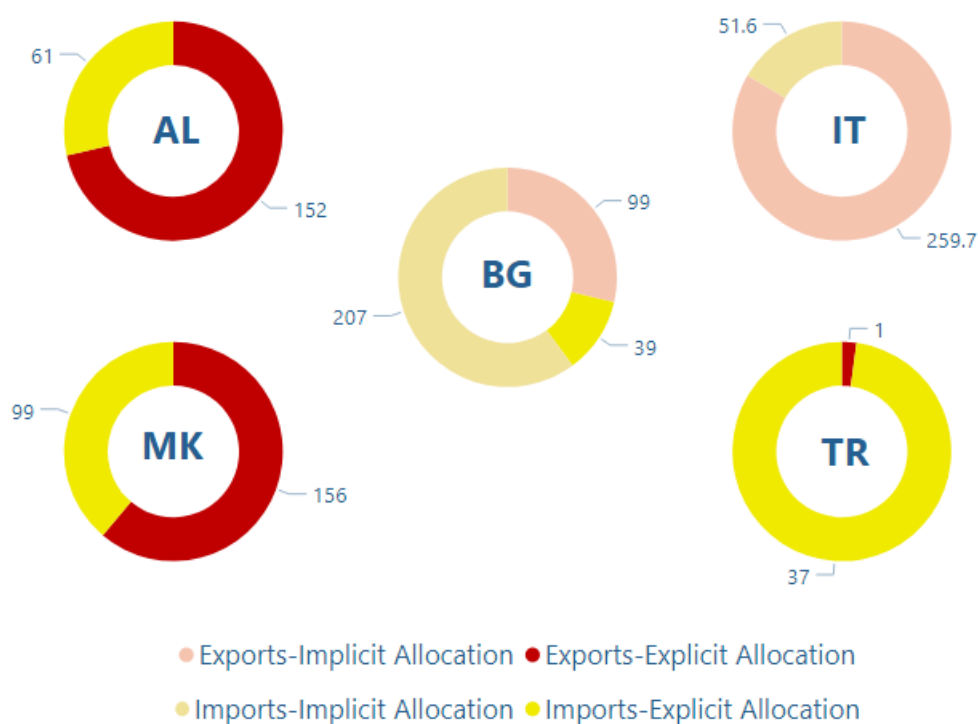
1.18. Cross Border Volume · Exports per month



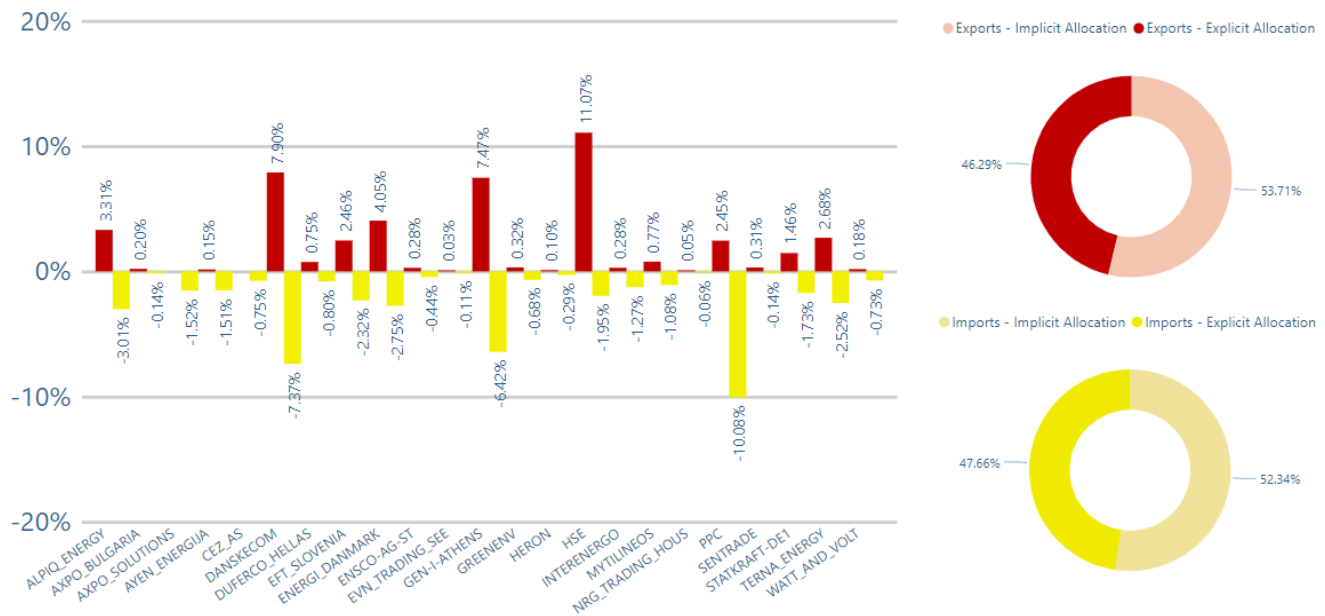
1.19. Net position of all cross border flows



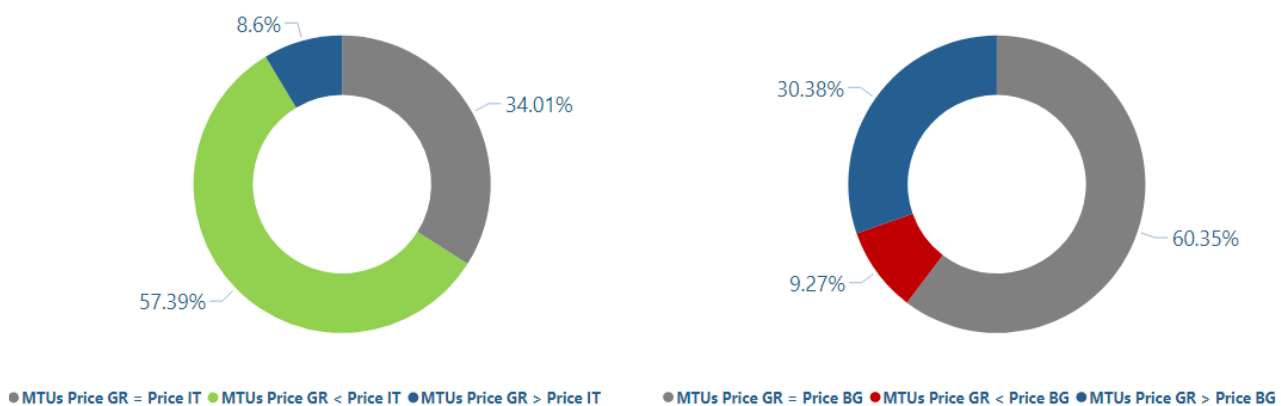
1.20. Cross Border Volumes (GWh) per Border



1.21. Market Shares of Imports and Exports per Market Participant



1.22. Price Coupling Data

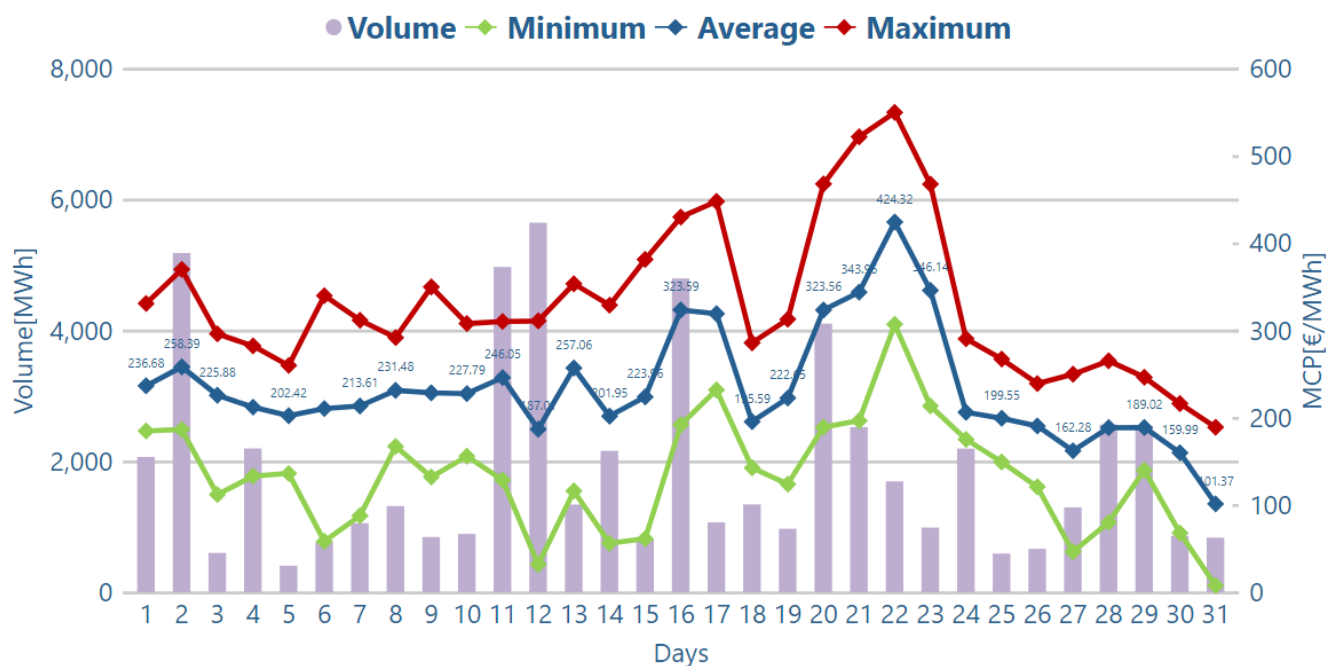


2. IDM

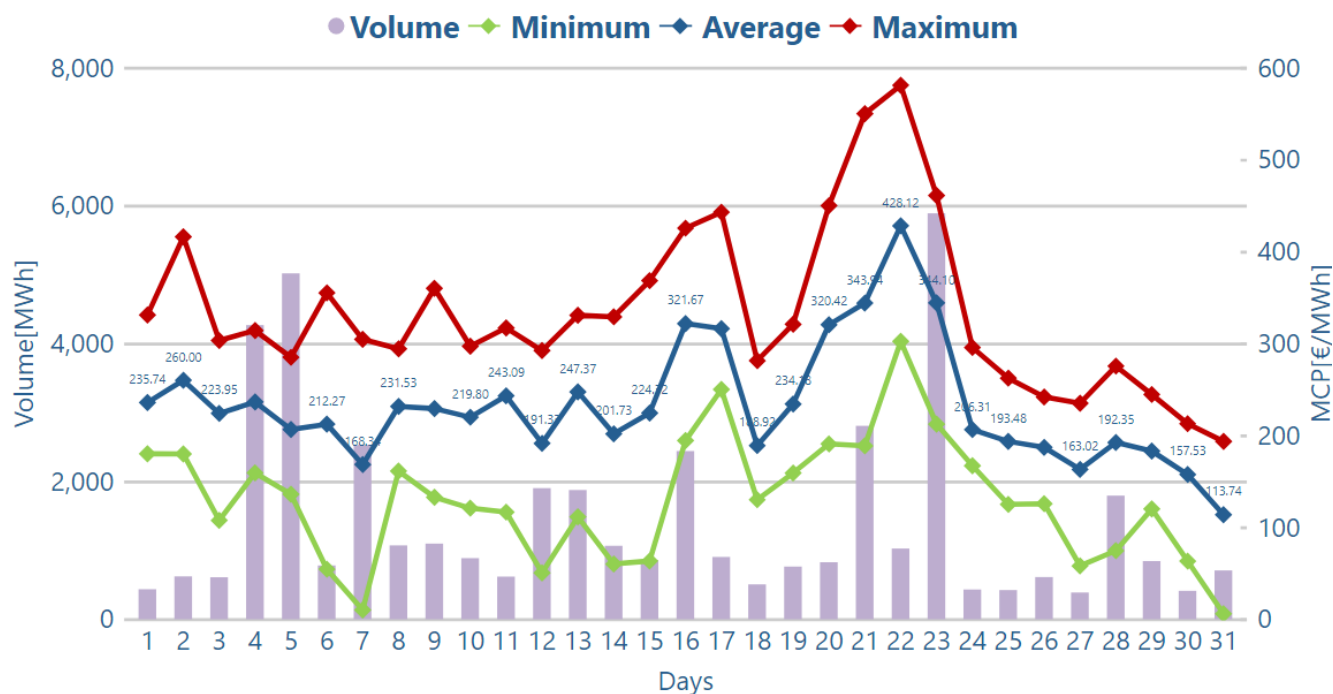
Market Clearing Prices (MCP)

Volumes, technologies and order types

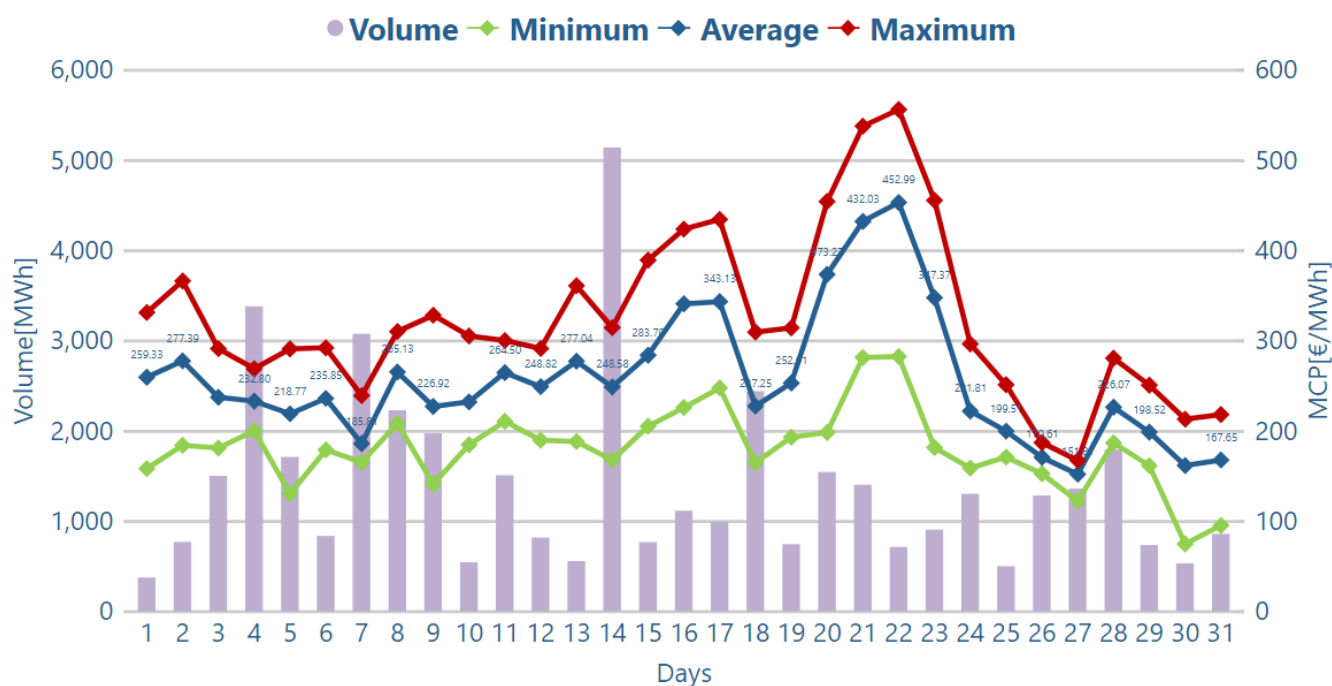
2.1. Daily MCP and volume · CRIDA1



2.2. Daily MCP and volume · CRIDA2



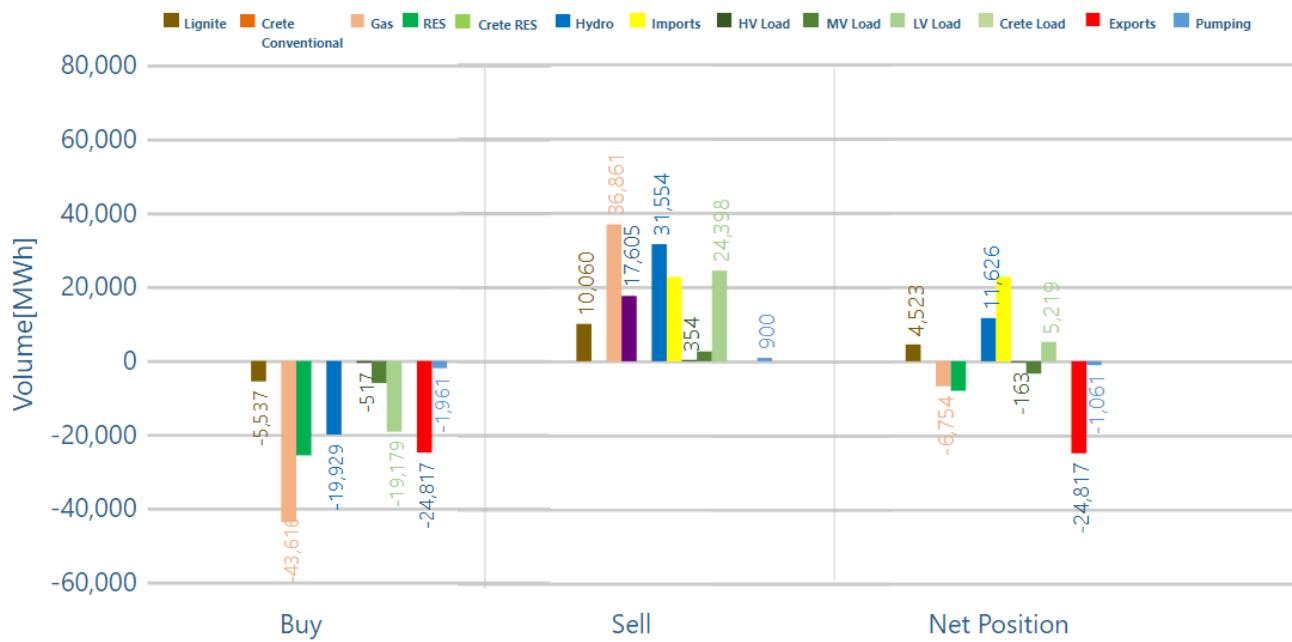
2.3. Daily MCP and volume · CRIDA3



2.4. Table with MCP and volume

Year			2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
Month			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CRIDA1	Price [€/MWh]	min	0	-1.01	3.01	5	-7.90	21.34	10	48.43	58.53	50	36.01	7.81
		avg	53.57	50.67	55.64	63.17	62.53	82.97	97.68	118.18	133.95	197.39	227.79	234.23
		max	150	250	107.21	111.73	120	160	181.17	230	246.54	385	413	550
	Volume [MWh]		57,322	52,271	43,218	37,803	28,192	42,449	38,215	49,305	34,980	55,735	57,219	59,337
CRIDA2	Price [€/MWh]	min	-19.92	-8	1	5	-0.01	5	52.10	41.91	54.51	73.56	37.48	5.96
		avg	49.90	54.32	56.82	64.88	63.12	83.62	100.91	119.02	131.18	196.57	227.54	233.08
		max	137.16	150	120	120	102.13	149.90	190	212.38	240	381	411	581
	Volume [MWh]		23,941	14,069	25,279	16,966	14,572	31,511	18,832	23,234	29,413	50,719	41,278	44,408
CRIDA3	Price [€/MWh]	min	0.01	-5	3	10.50	-3	31.88	48.59	64.91	55.06	95.06	125.19	74.57
		avg	48.07	54.52	59.11	66.80	63.52	87.63	111.27	128.60	136.73	208.22	249.59	256.79
		max	115	150	110.22	109.99	98.35	160.80	176	211	249.49	400	416.60	556.04
	Volume [MWh]		19,794	13,544	13,979	9,712	11,312	15,578	26,526	25,097	19,012	29,856	25,615	43,368

2.5. Volume mix per side and net position for IDM



3. DAM & IDM · Aggregated Overview

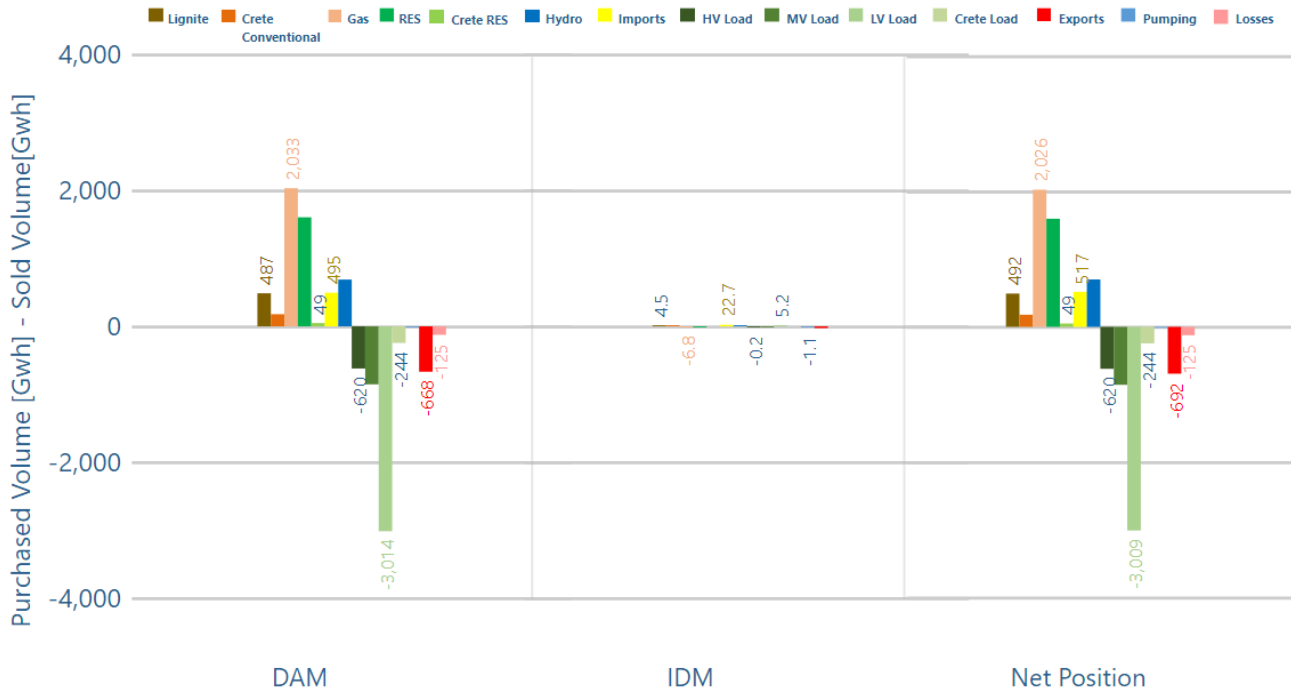
Final Market Schedules

Domestic Production

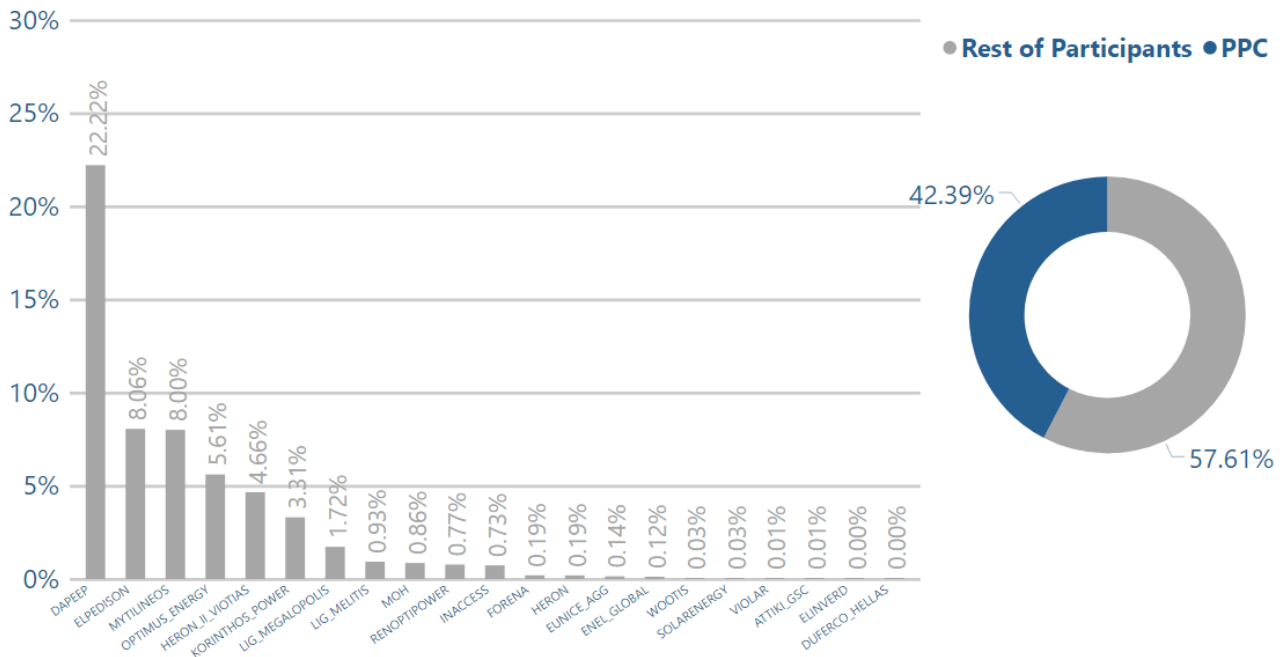
Domestic Consumption

Domestic Consumption per Voltage level

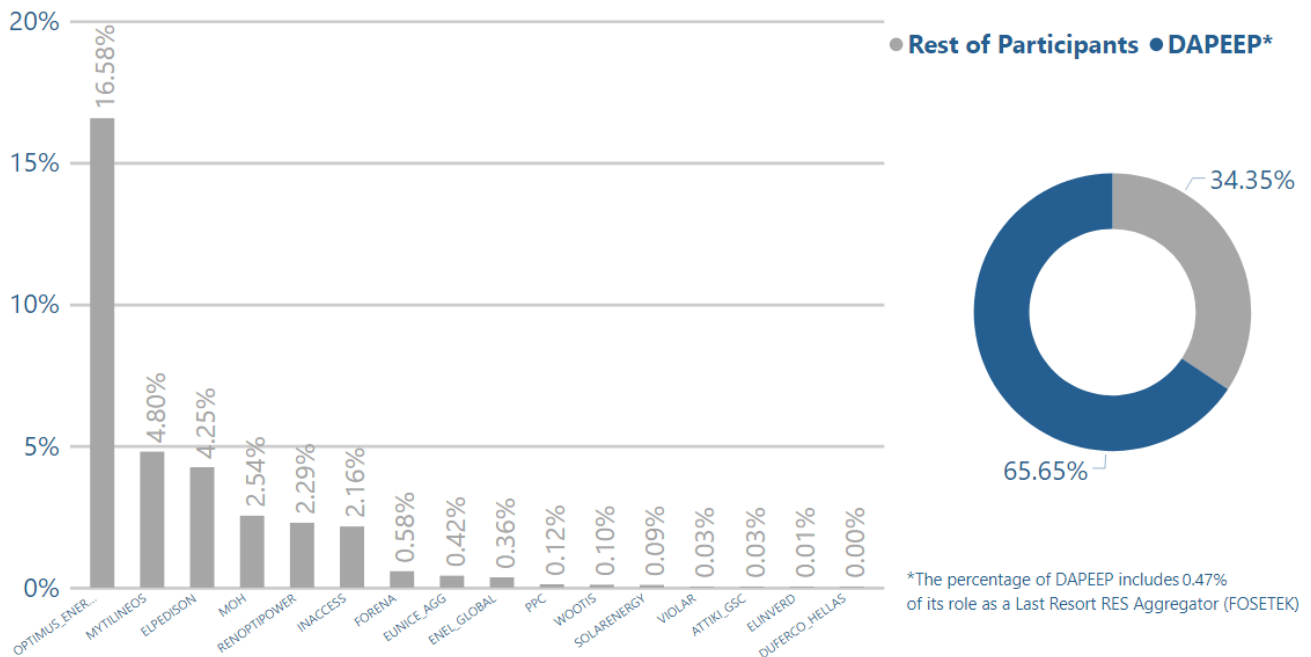
3.1. Market Schedules



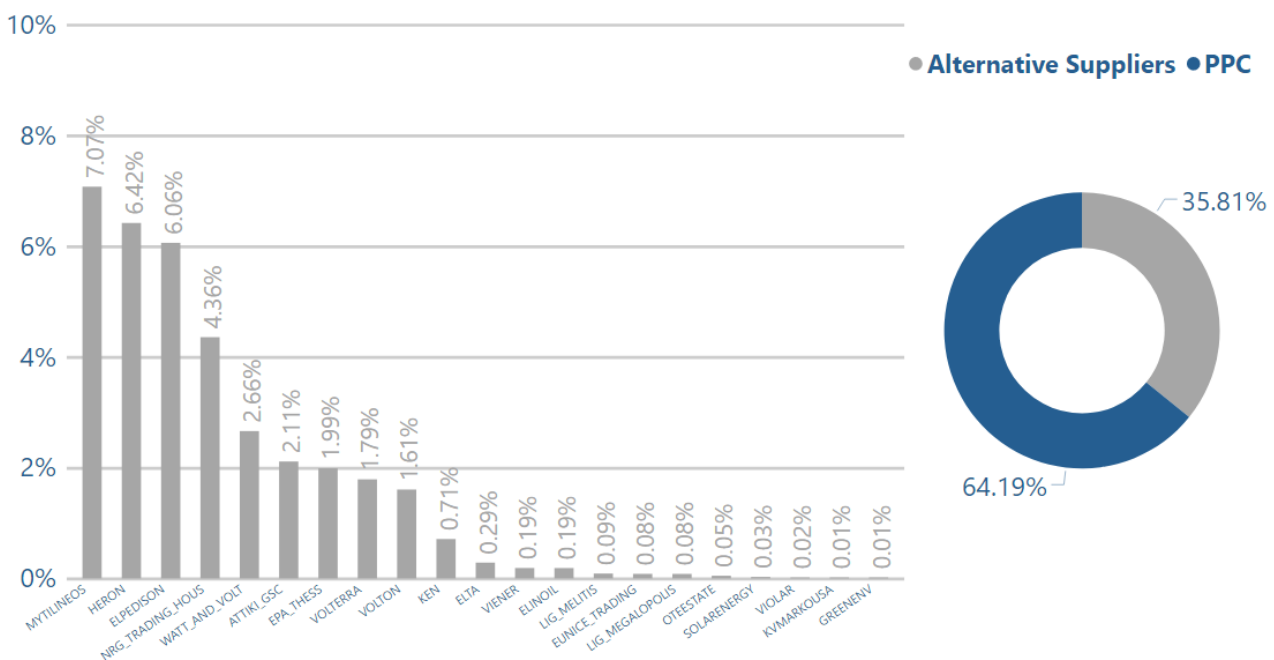
3.2. Final Market Schedule shares for all production units per Market Participant · Greek Bidding Zone



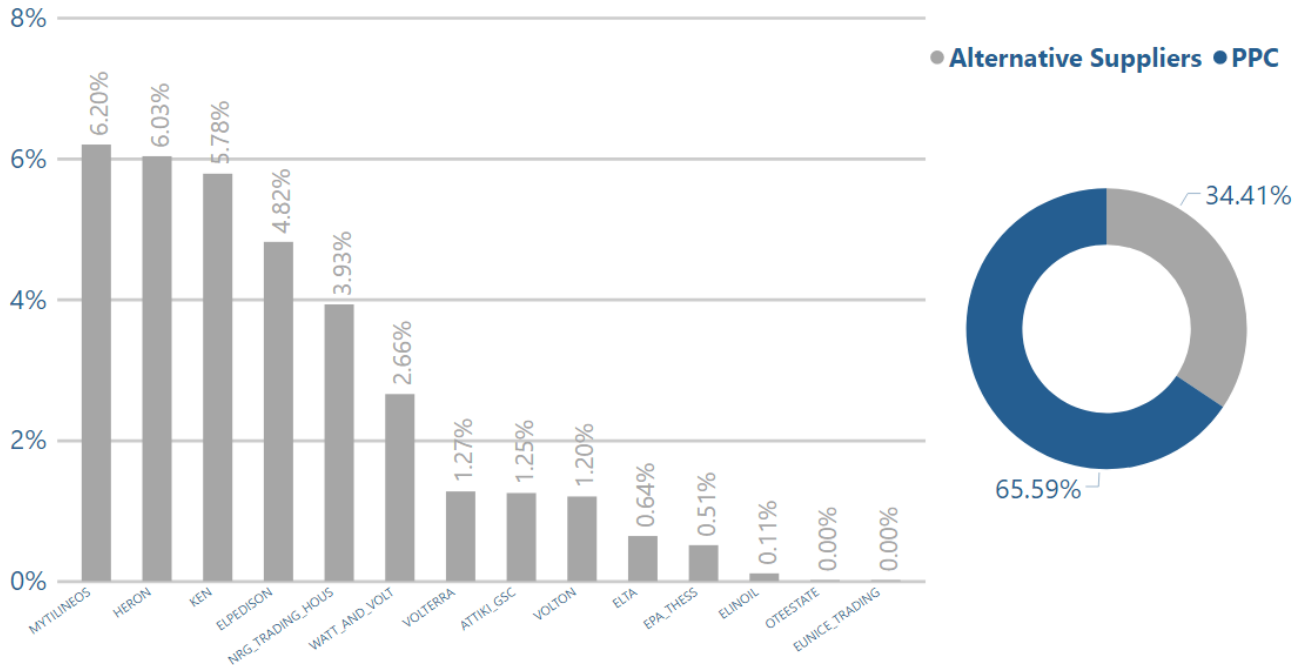
3.3. Final Market Schedule shares for RES production units per Market Participant · Greek Bidding Zone



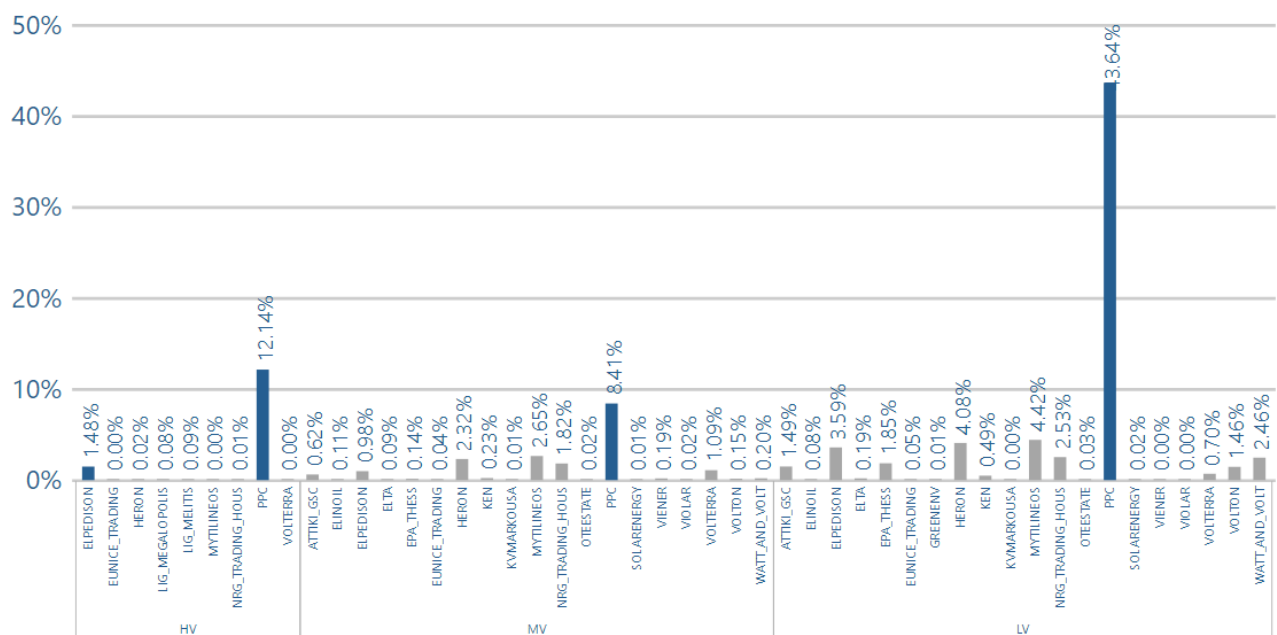
3.4. Final Market Schedules shares for domestic load per Market Participant · Mainland



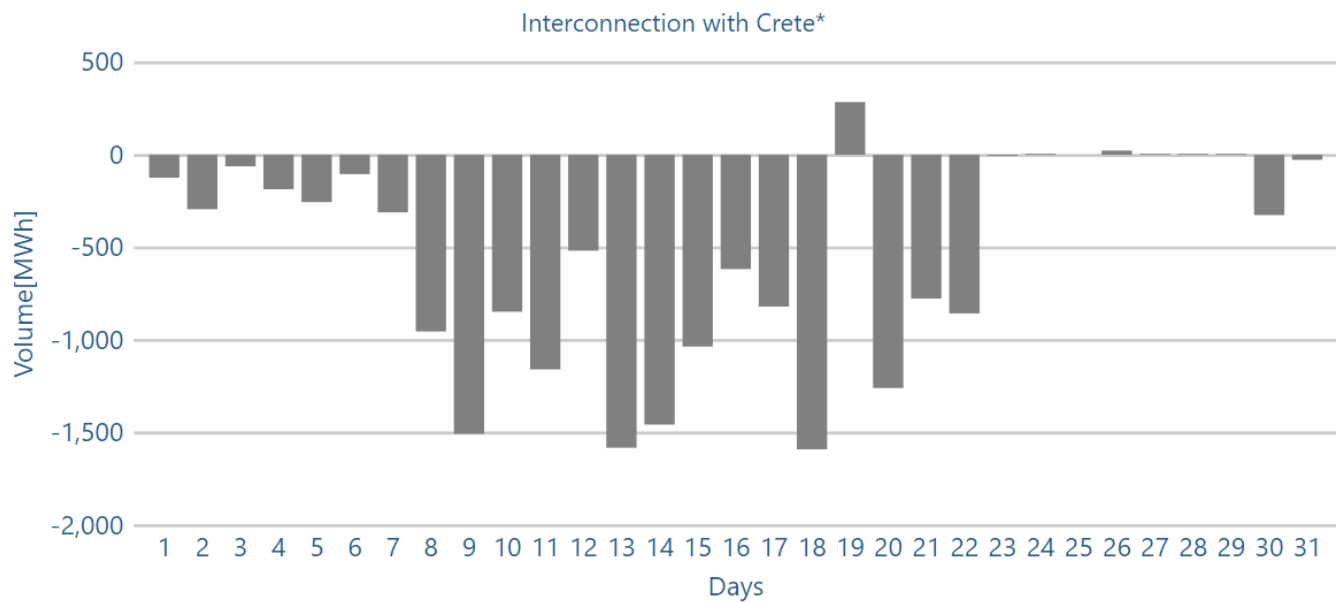
3.5. Final Market Schedule Final Schedules shares for domestic load per Market Participant · Crete



3.6. Final Market Schedules shares for domestic load per Voltage Level and Market Participant · Mainland



3.7. Energy flow between Greece Mainland and Crete



4. Annex

Definitions

ACRONYM	Definition
GR BZ	Greek Bidding Zone
MCP	Market Clearing Price
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).
- 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

*In this second version, Volume mix chart in page 4, has been amended