



# Monthly Report · August 2022

## Electricity and NGAS Markets




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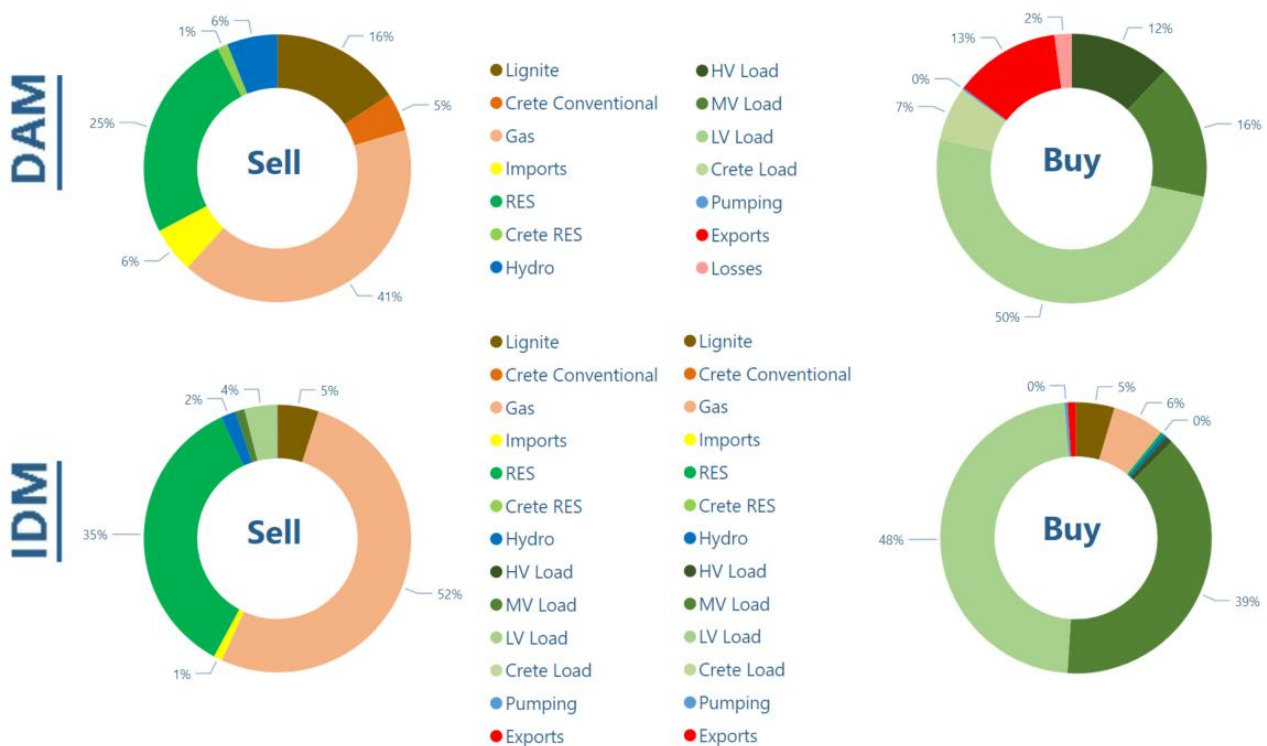
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## Summary

Aug 2022 Jul 2022 Aug 2021		<u>DAM</u>	<u>CRIDA1</u>	<u>CRIDA2</u>	<u>CRIDA3</u>	<u>NGAS*</u>
	Price	436.53	422.60	395.14	425.80	178.89
	€/MWh	338.14	316.84	288.59	323.58	130.66
		121.72	118.18	119.02	128.60	
	Volume	5,377	184.0	45.3	22.1	225.27
	GWh	5,988	162.9	45.9	29.0	231.16
		5,558	49.3	23.2	25.1	
	Value	2,336.3	86.05	17.82	10.22	40.30
	M€	2,039.8	57.20	15.24	10.48	30.21
		696.5	7.03	3.06	3.51	

\*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



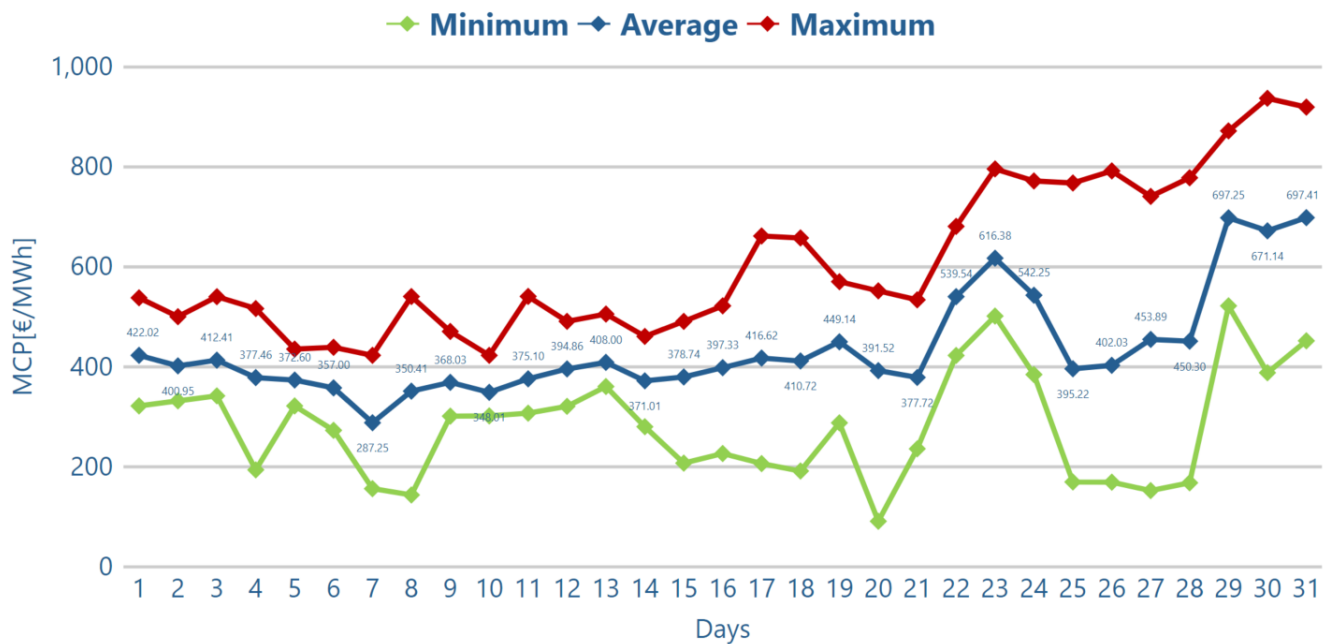
# 1. DAM

Market Clearing Price (MCP)

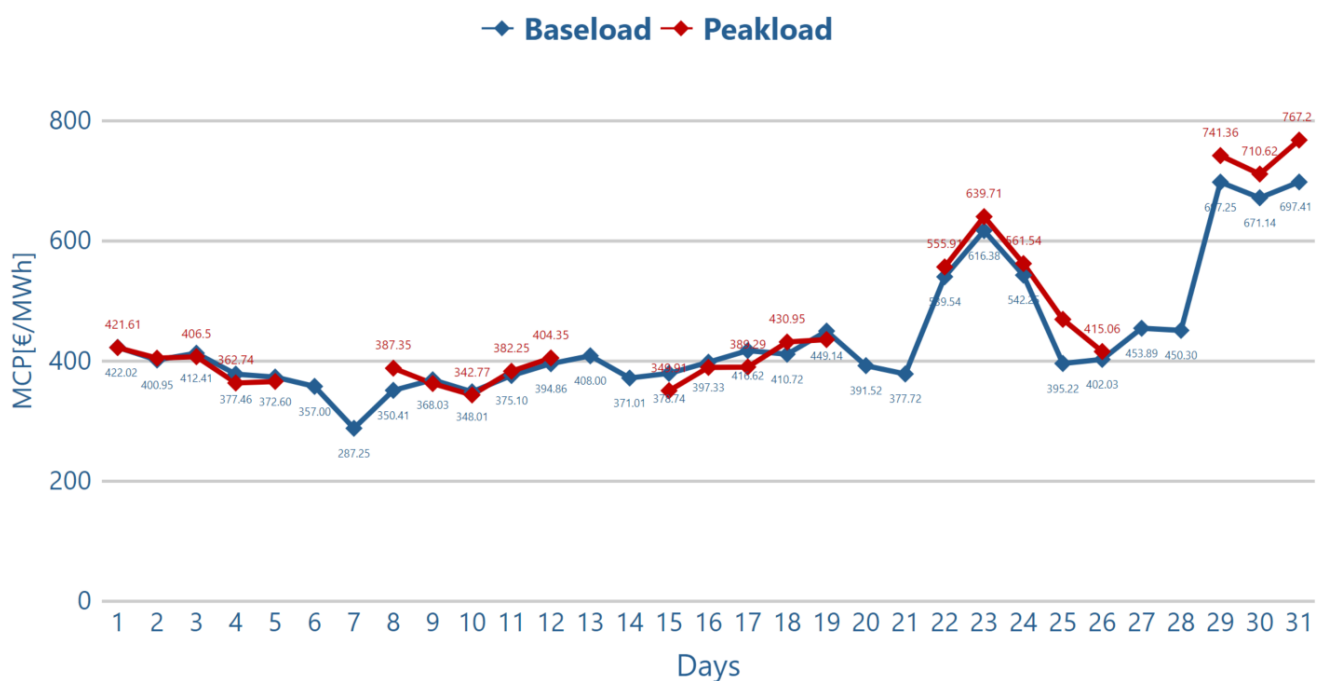
Volumes, technologies and order types

Interconnections

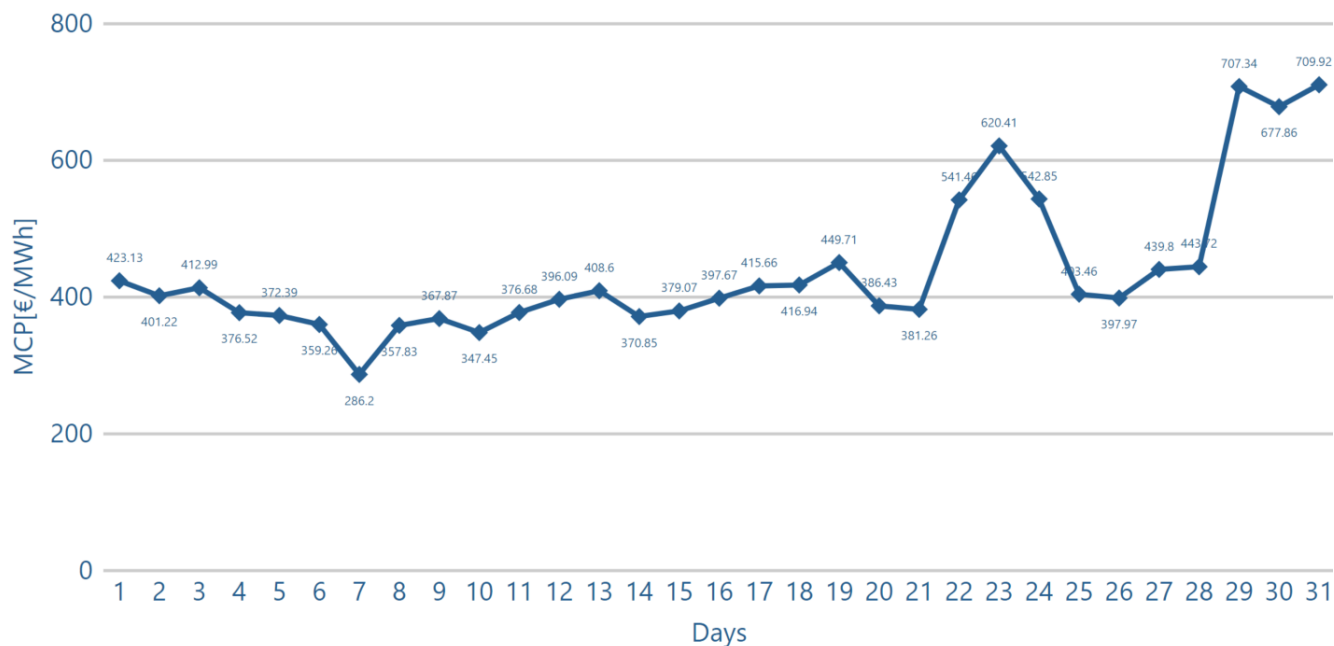
## 1.1. Daily MCP data of GR BZ



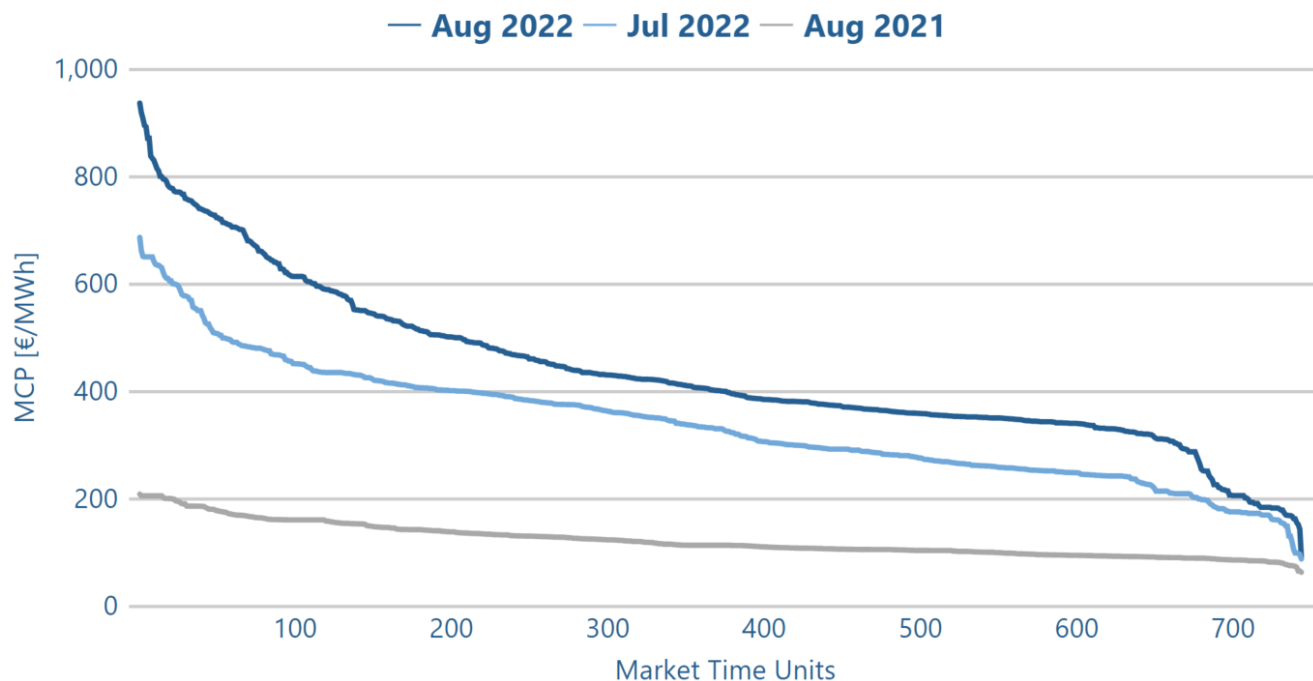
## 1.2. Daily average prices



### 1.3. Daily weighted average baseload price

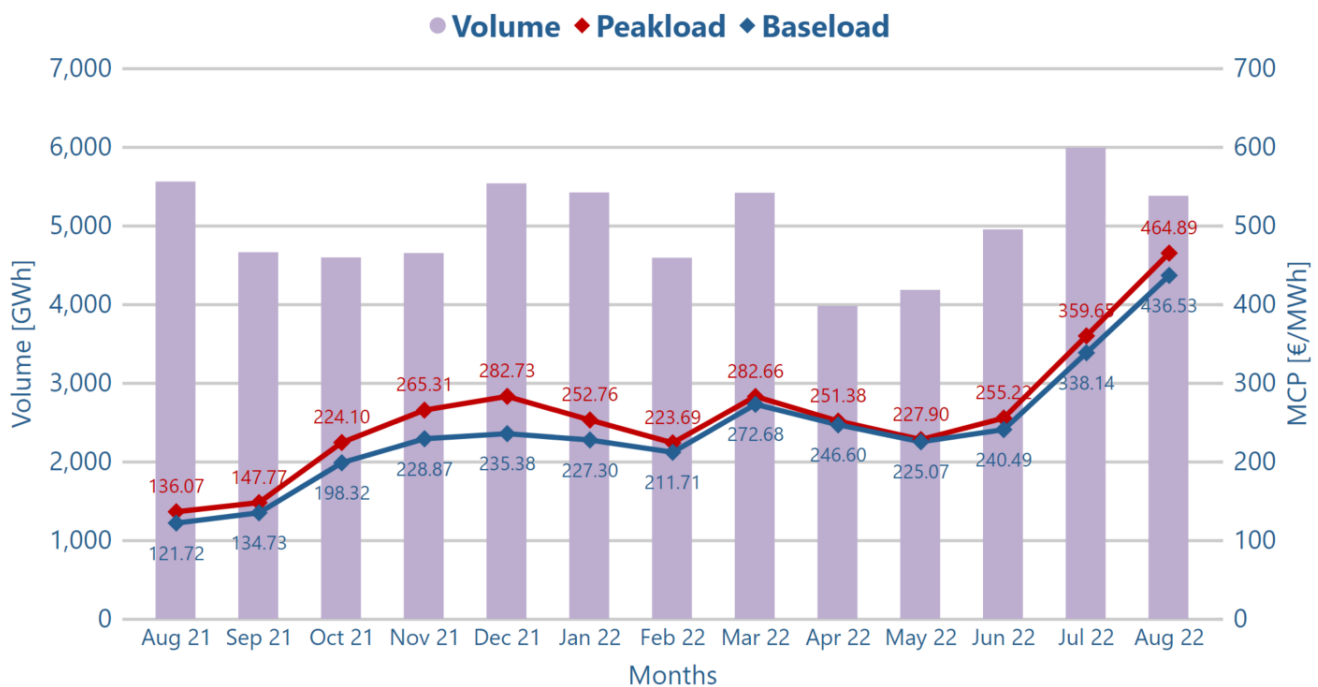


### 1.4. MCP duration curve

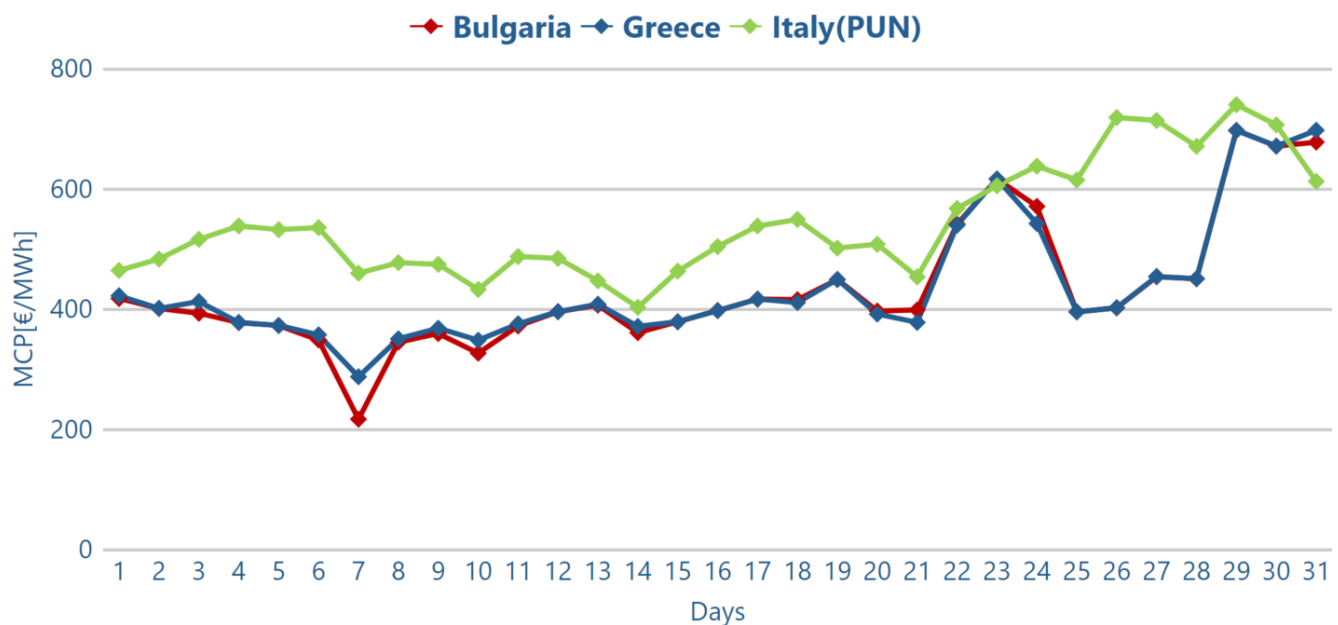




## 1.5. Monthly volume and average prices

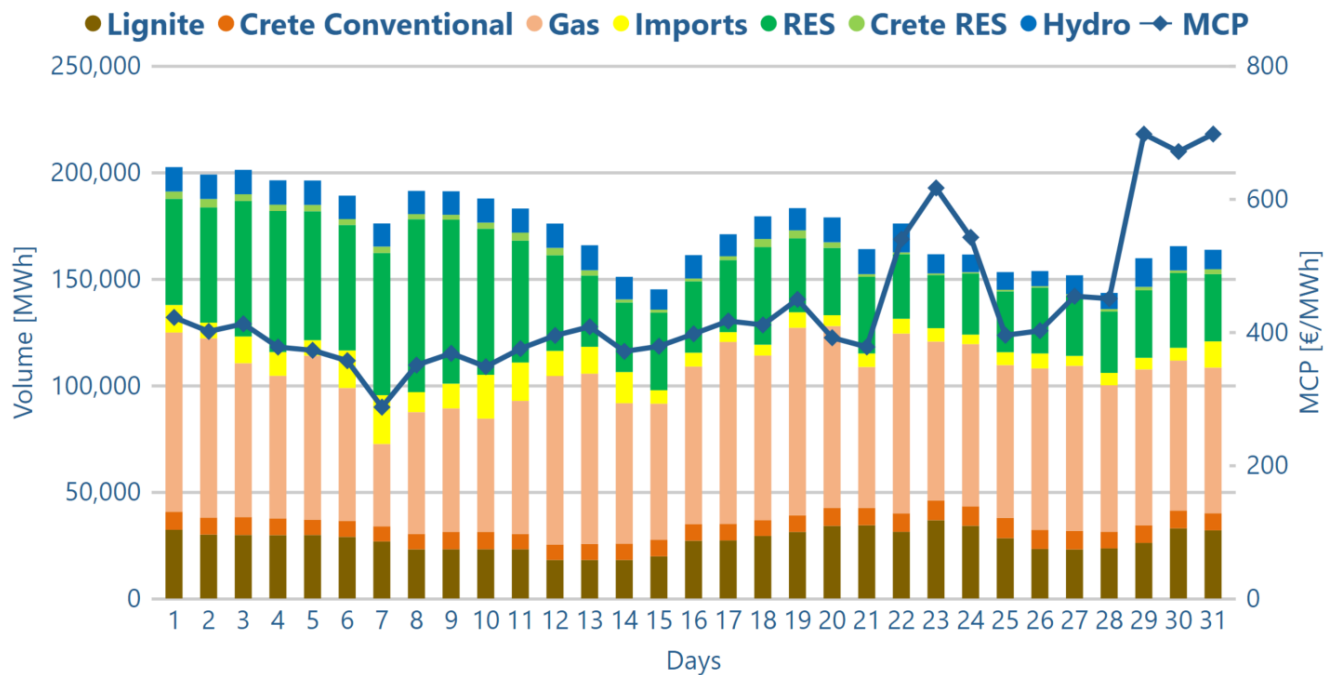


## 1.6. Daily average MCP of GR, IT, BG\*

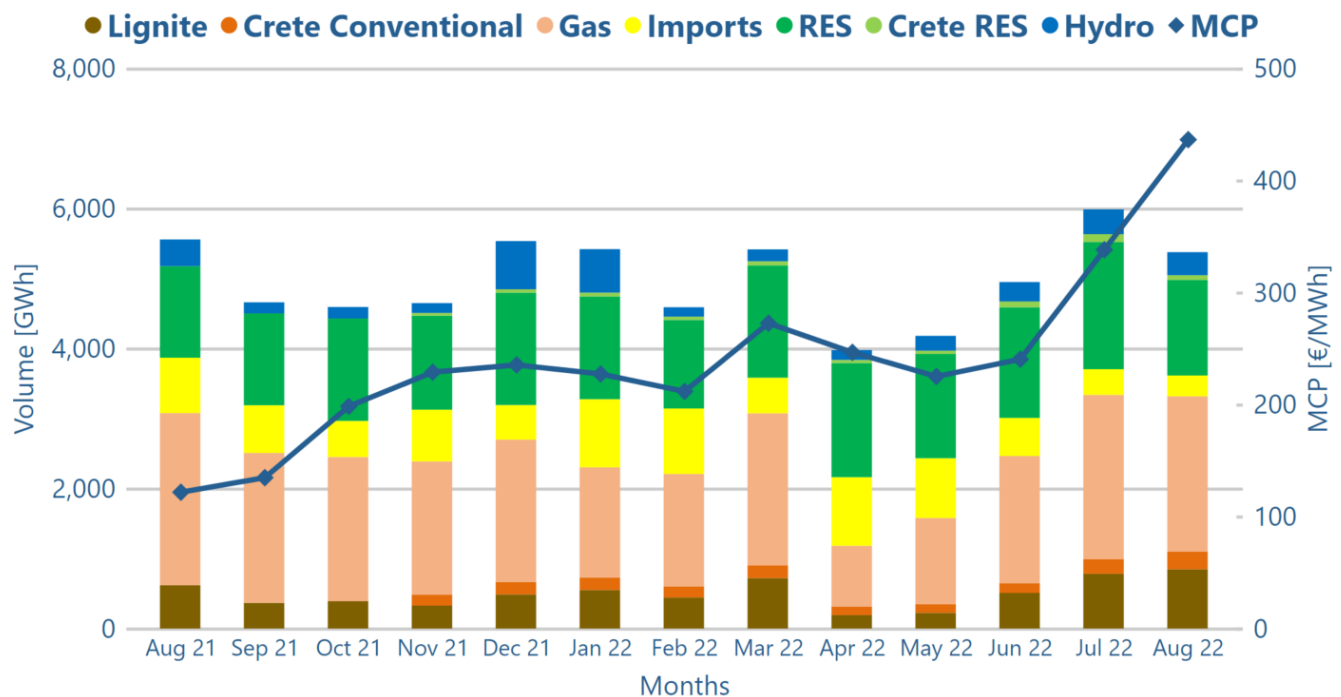


\*15-18/08 and 20-31/08 Interconnection with Italy had zero NTC

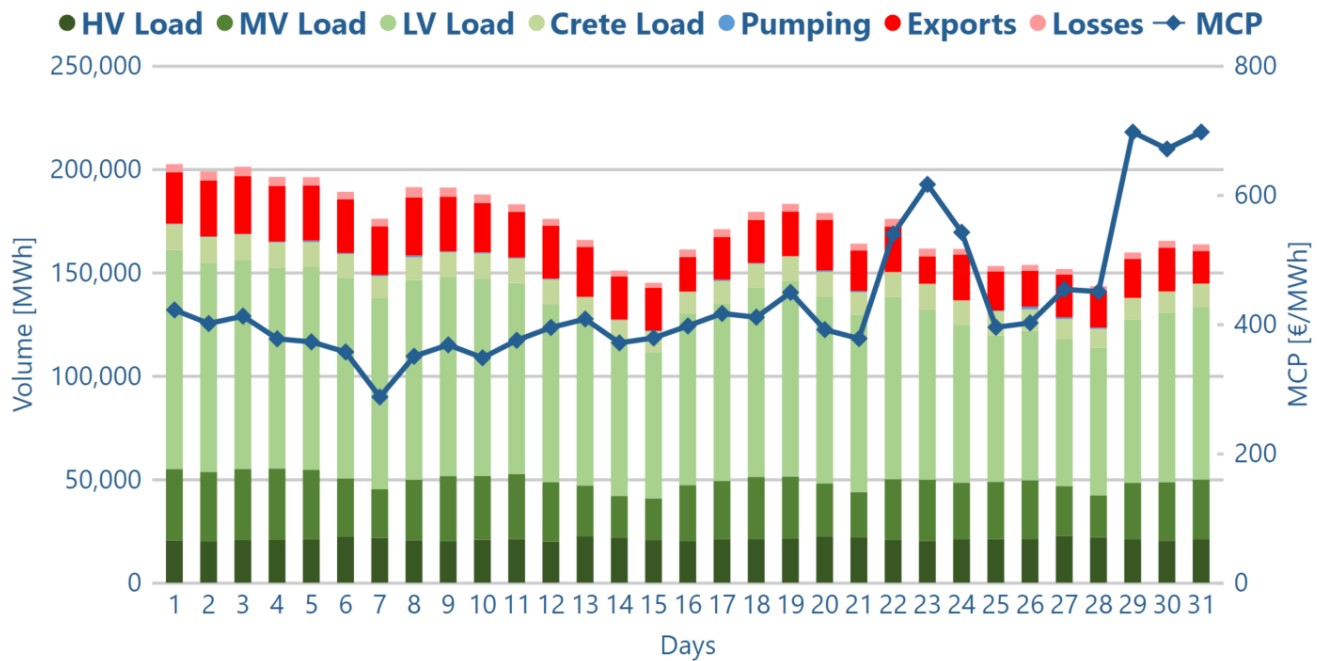
## 1.7. Volume mix of sell side per day



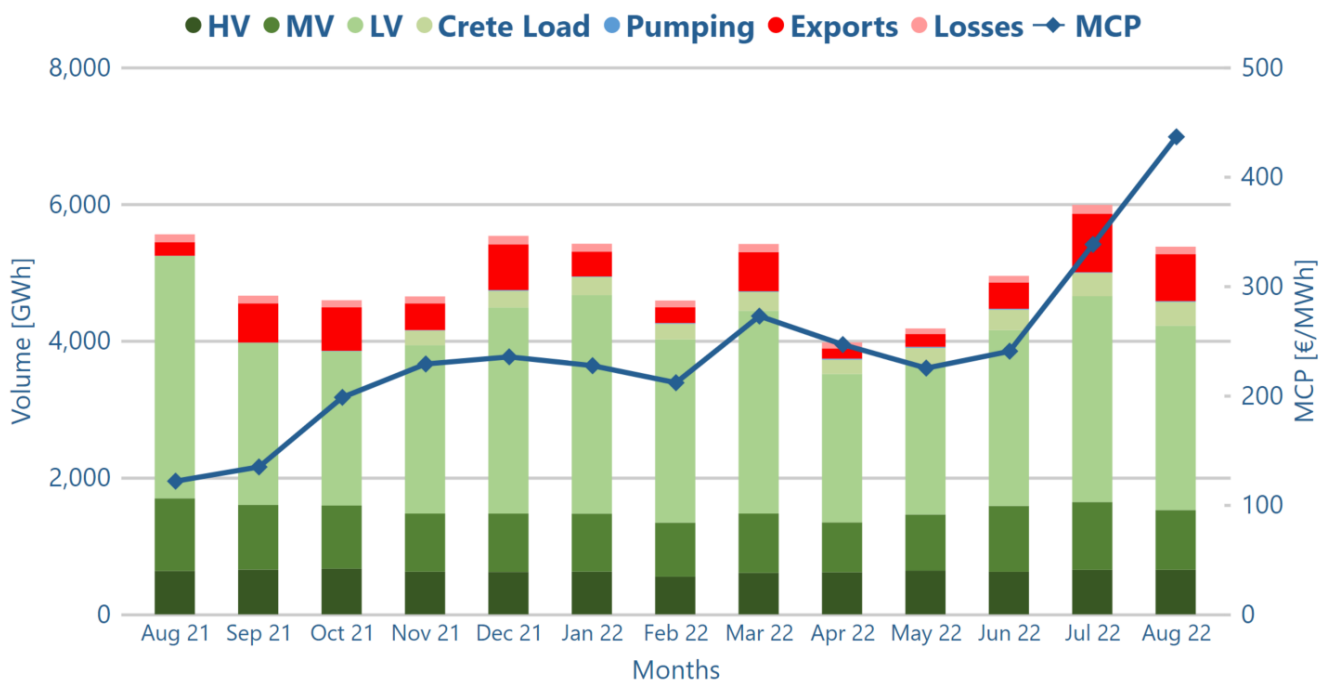
## 1.8. Volume mix of sell side per month



## 1.9. Volume mix of buy side per day



## 1.10. Volume mix of buy side per month

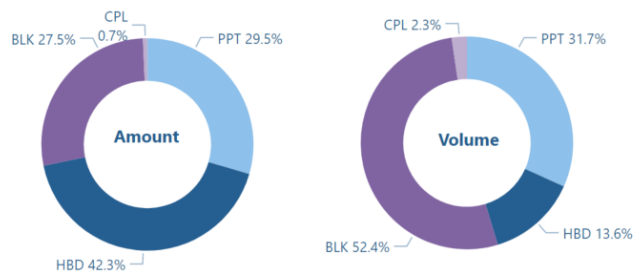


## 1.11. Table with MCP and volume per month

Year	Month	Minimum MCP [€/MWh]	Average MCP [€/MWh]		Maximum MCP [€/MWh]	Peakload MCP [€/MWh]		Volume [Gwh]
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
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

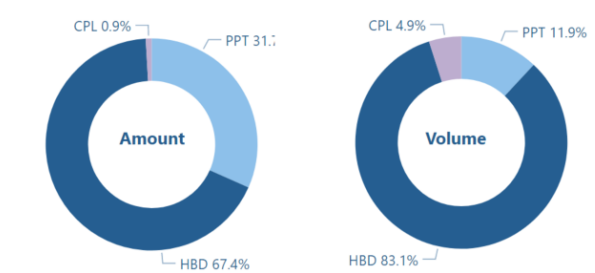
## 1.12. Trades per Order type

### Sell Side



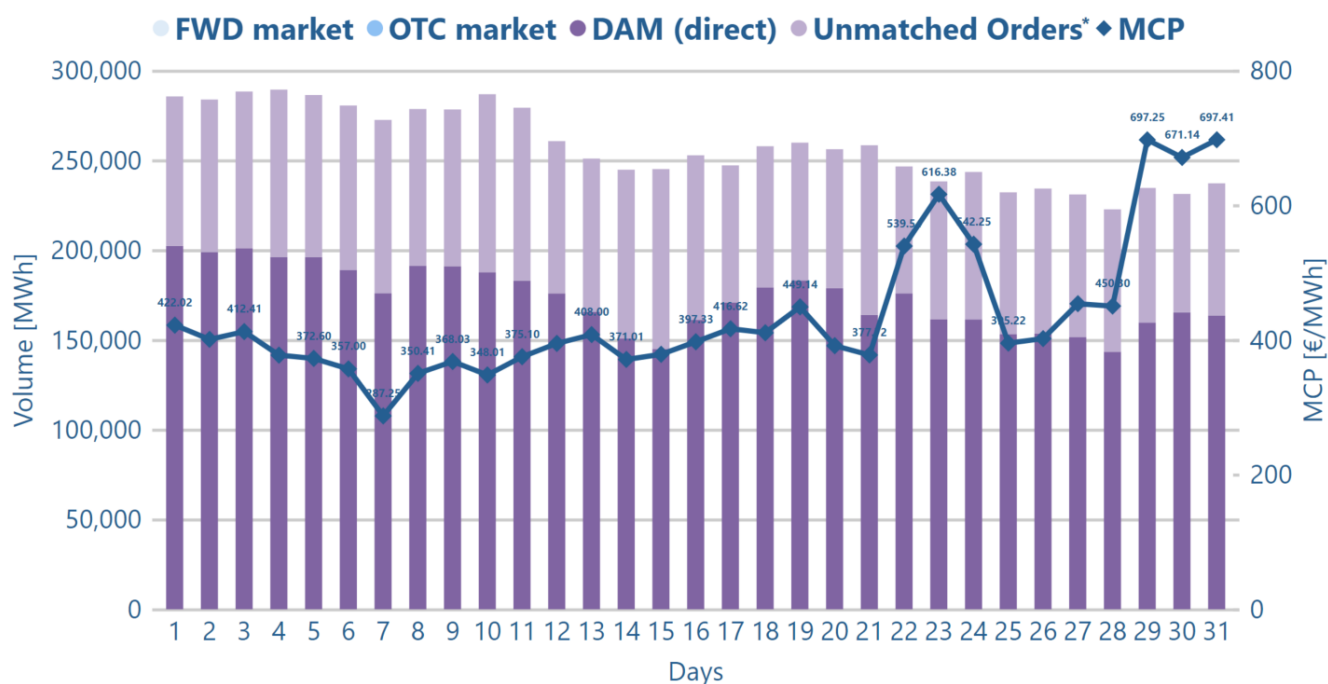
	PPT	HBD	BLK	CPL
Amount	17738	25449	16568	410
Volume [GWh]	1705	731	2817	124

### Buy Side



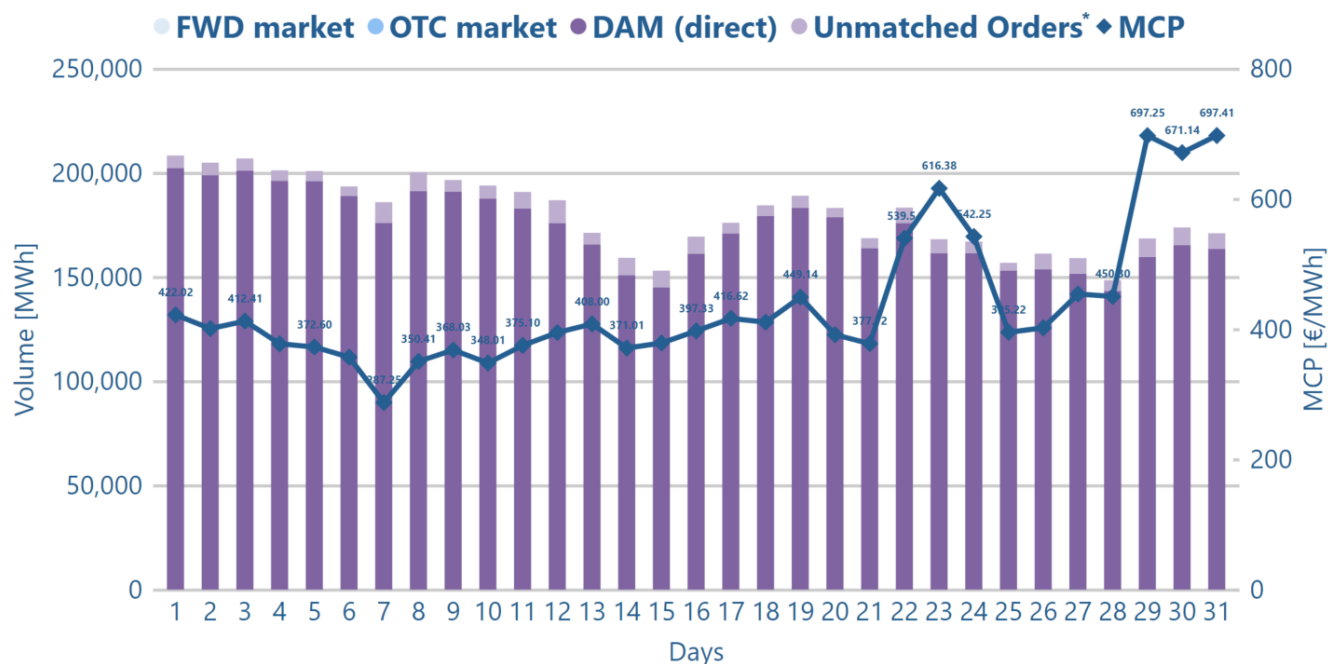
	PPT	HBD	CPL
Amount	23794	50702	678
Volume [GWh]	642	4469	266

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



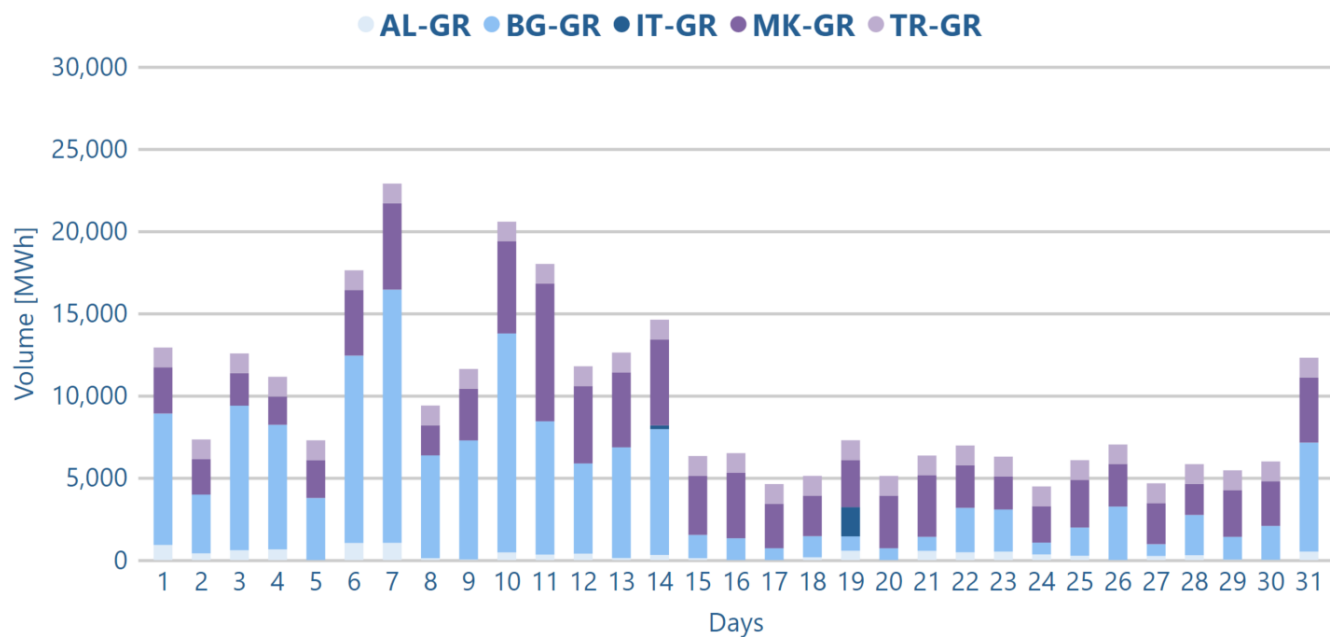
\*The Unmatched Orders include all sell orders that have not been included in the algorithm (excluding block orders).

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

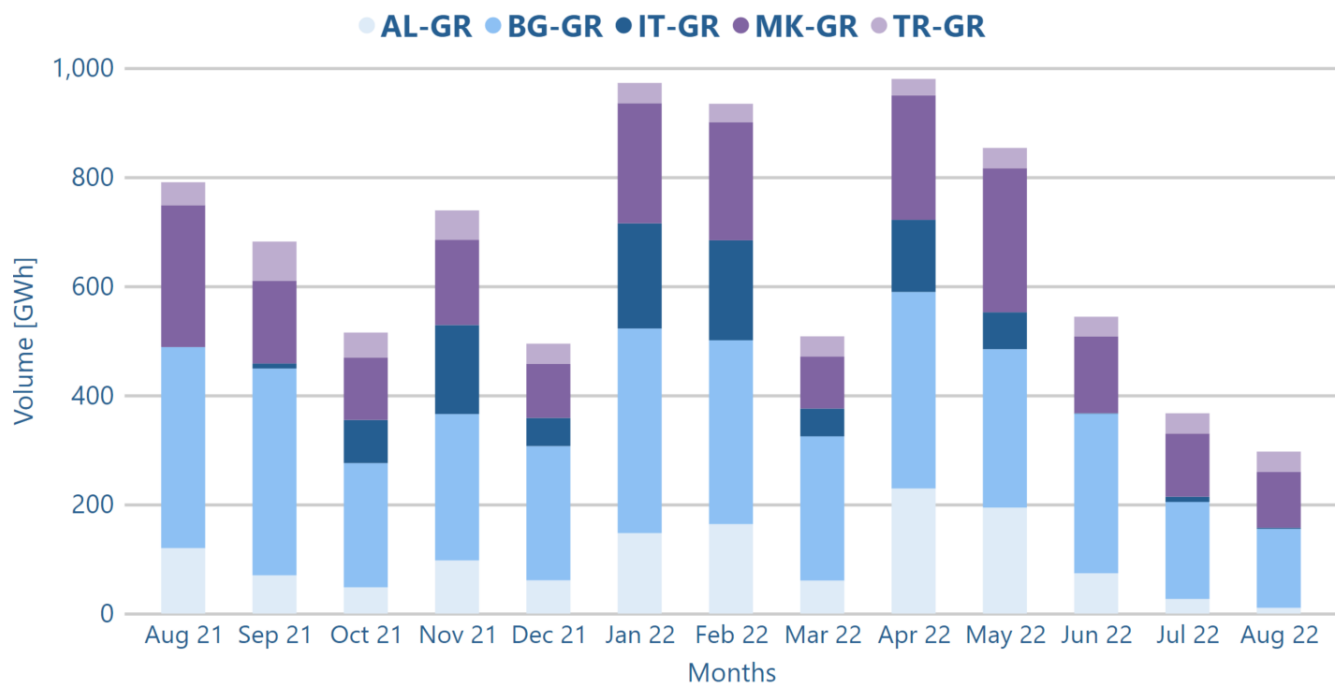


\*The Unmatched Orders include all buy orders that have not been included in the algorithm.

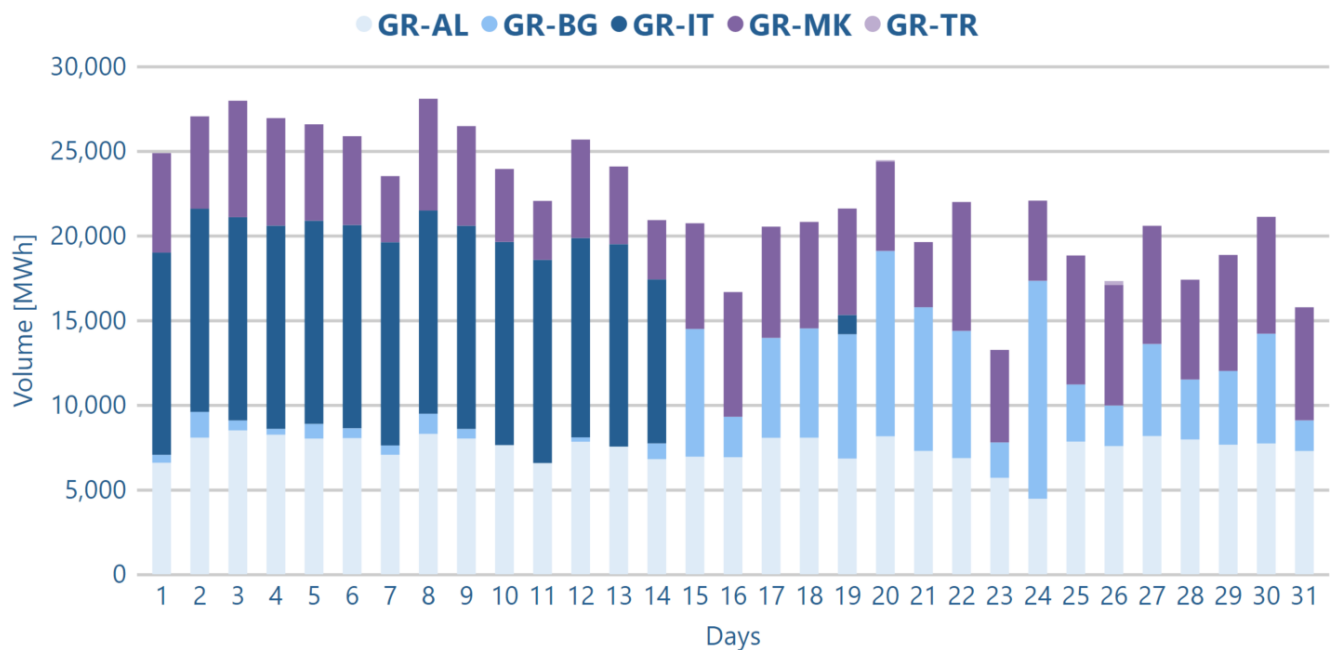
### 1.15. Cross Border volume · Imports per day



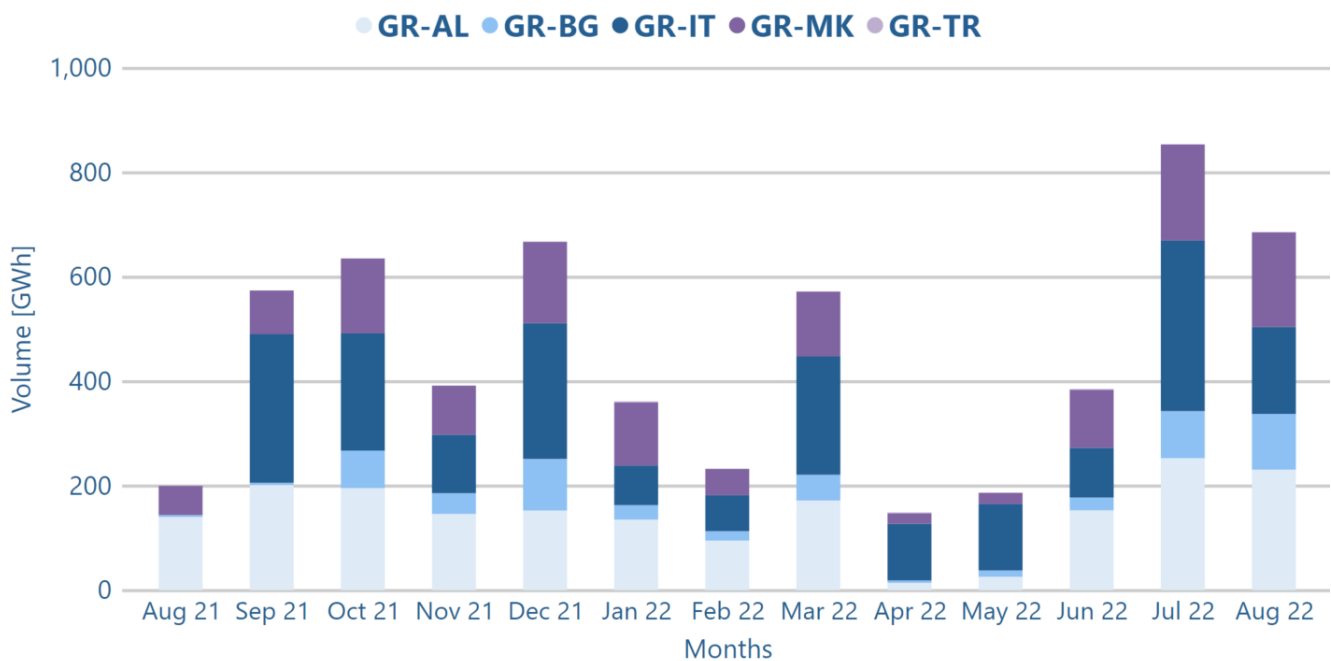
### 1.16. Cross Border Volume · Imports per month



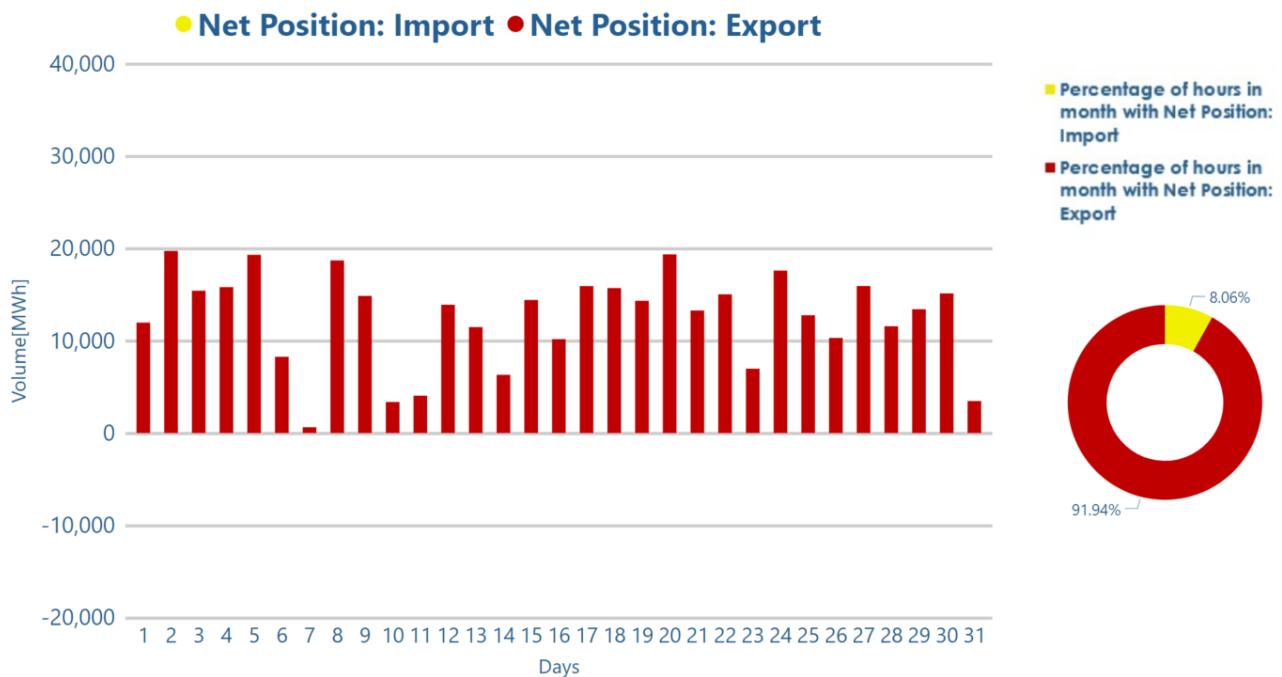
### 1.17. Cross Border volume · Exports per day



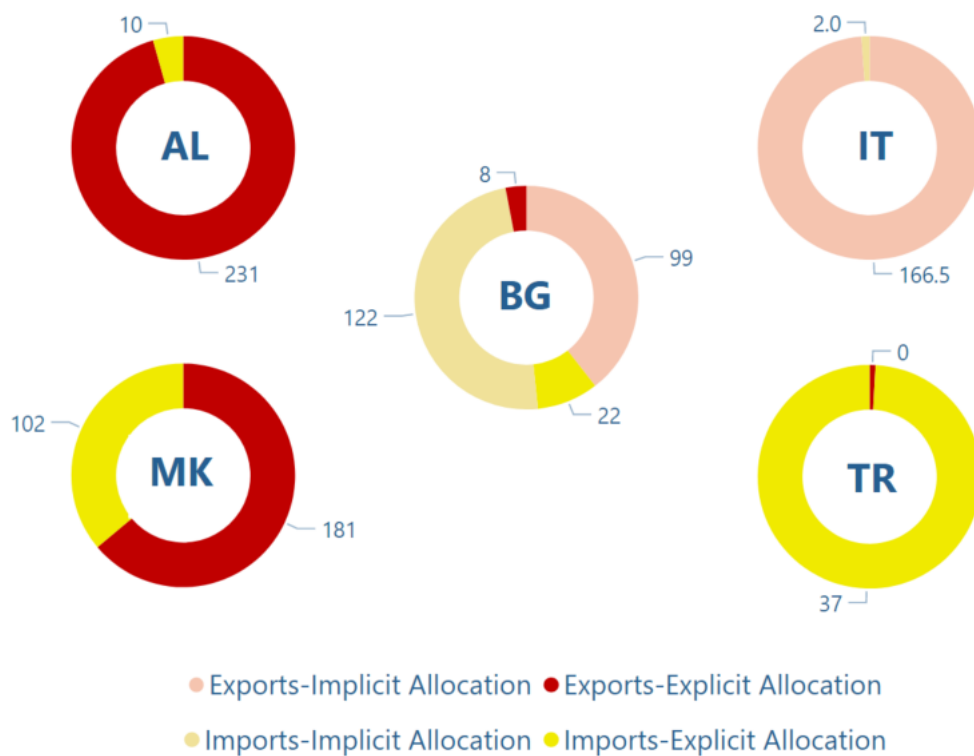
### 1.18. Cross Border Volume · Exports per month



## 1.19. Net position of all cross border flows

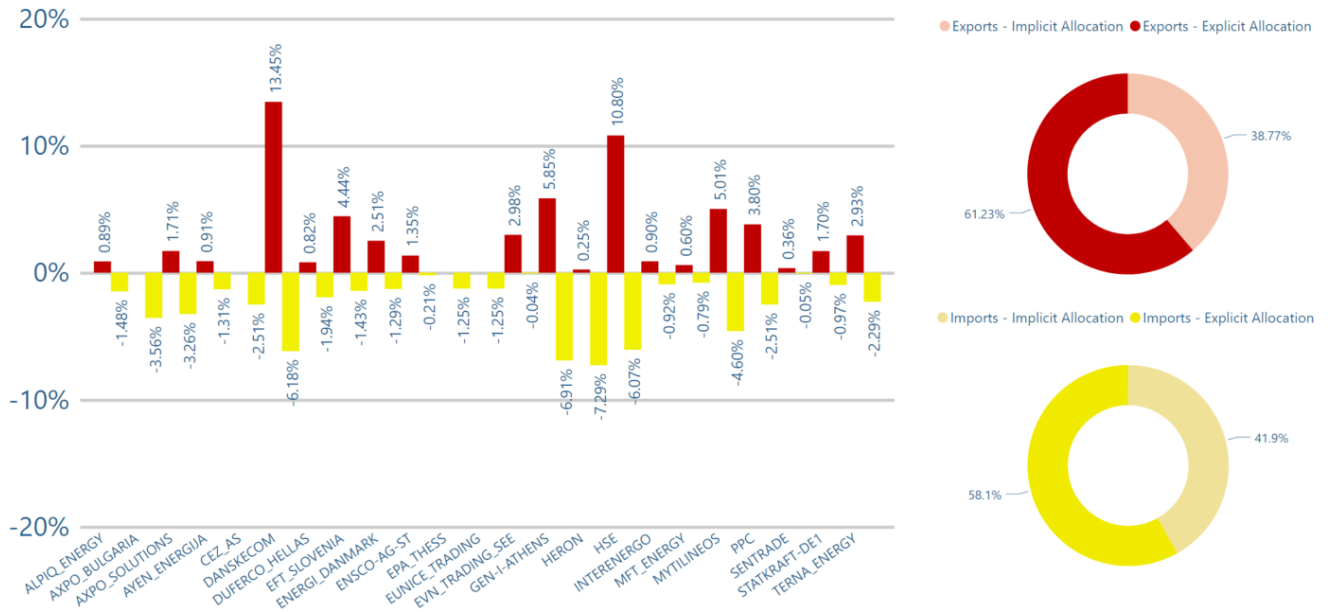


## 1.20. Cross Border Volumes (GWh) per Border

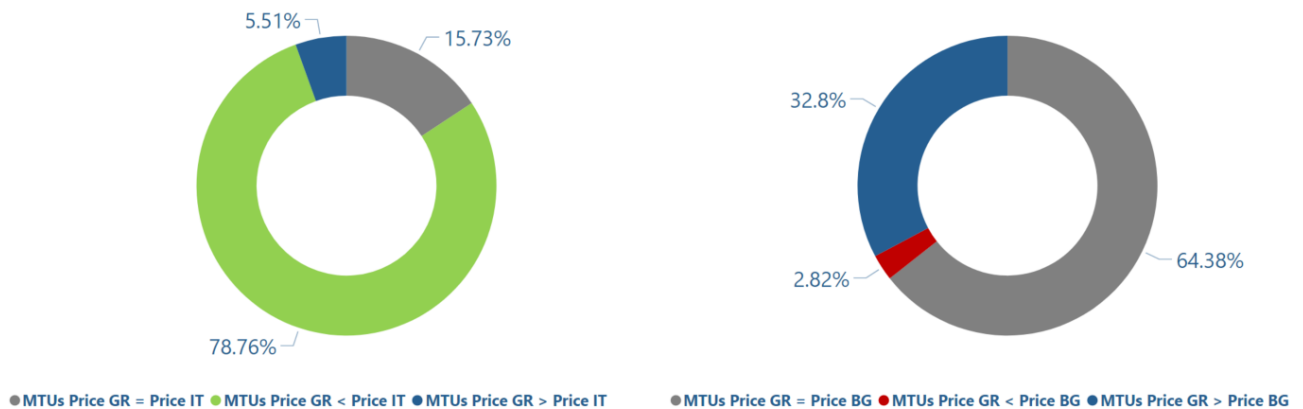




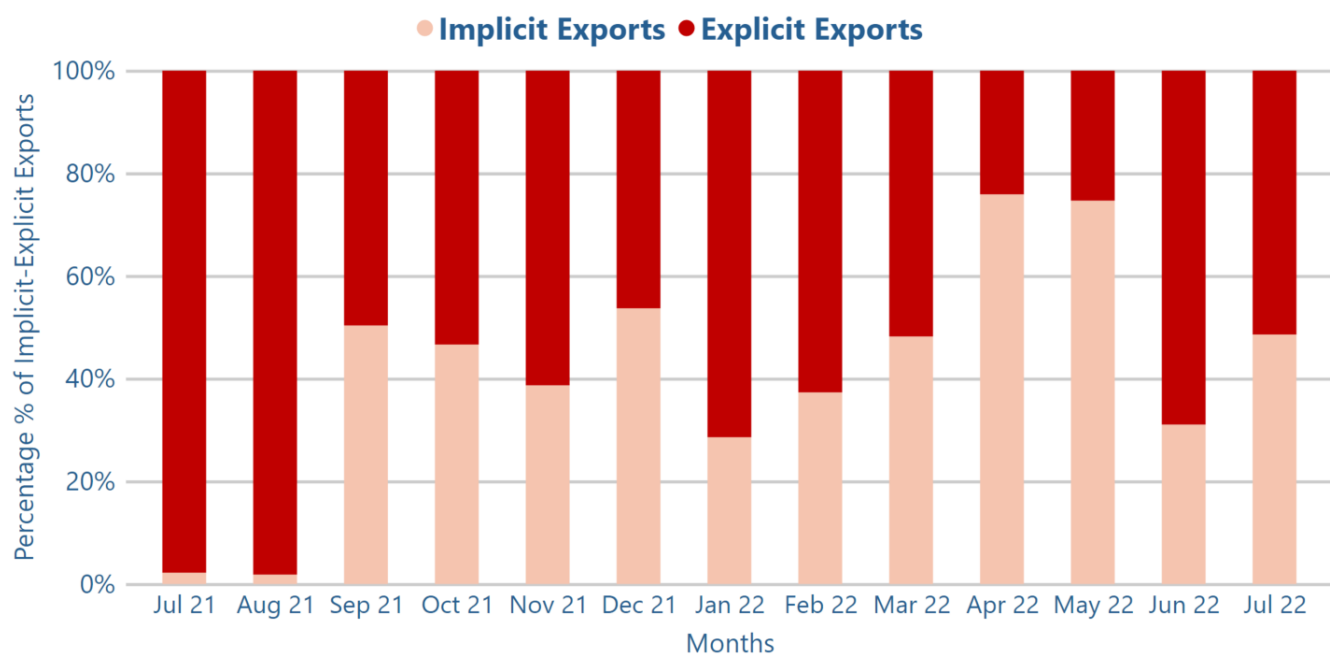
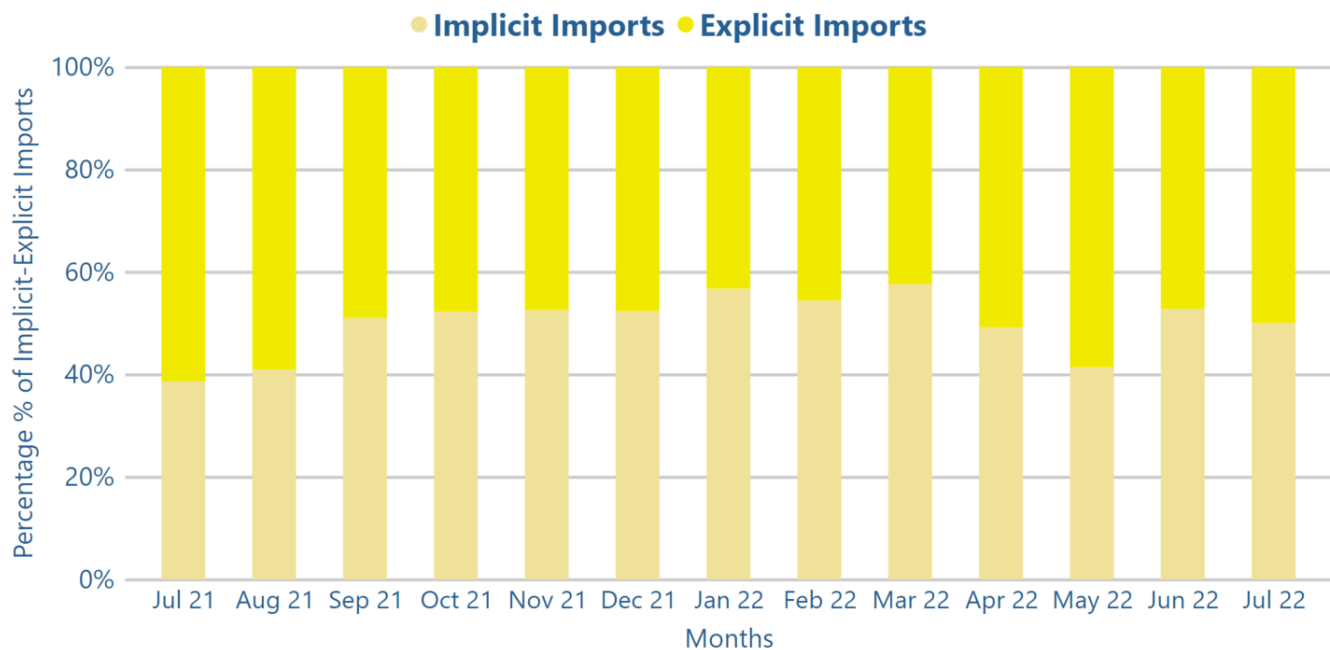
## 1.21. Market Shares of Imports and Exports per Market Participant



## 1.22. Price Coupling Data



## 1.23. Coupling Evolution

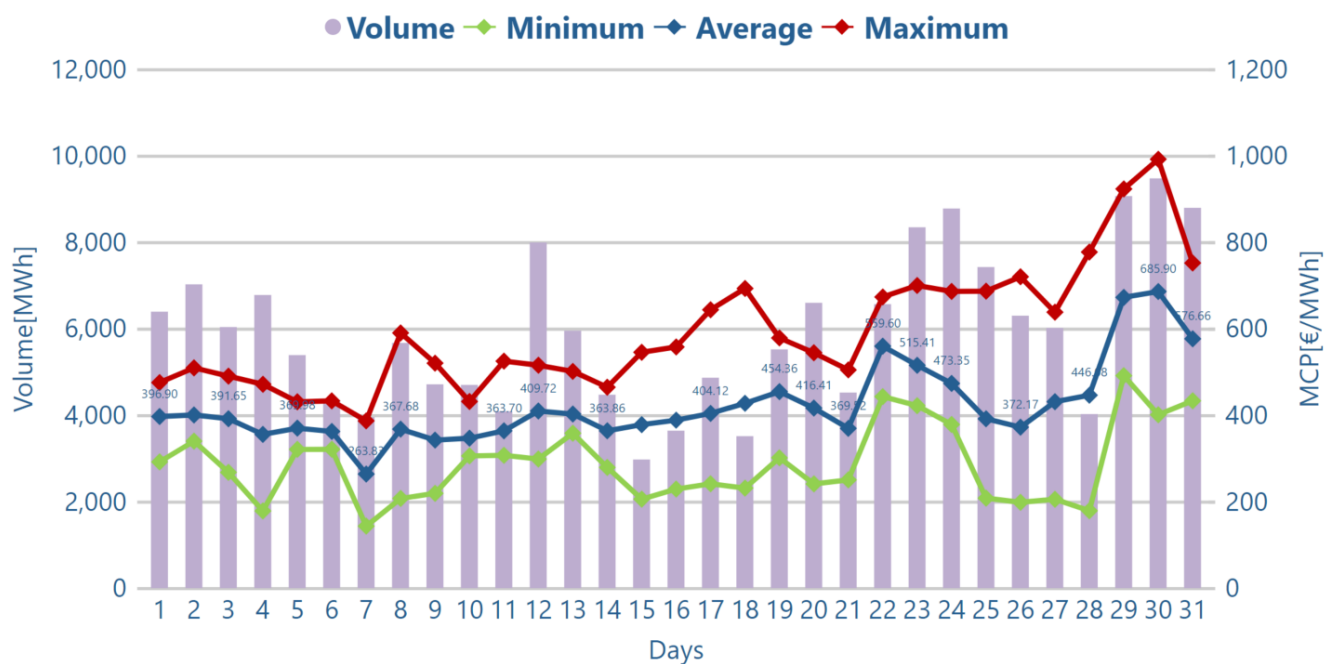


## 2. IDM

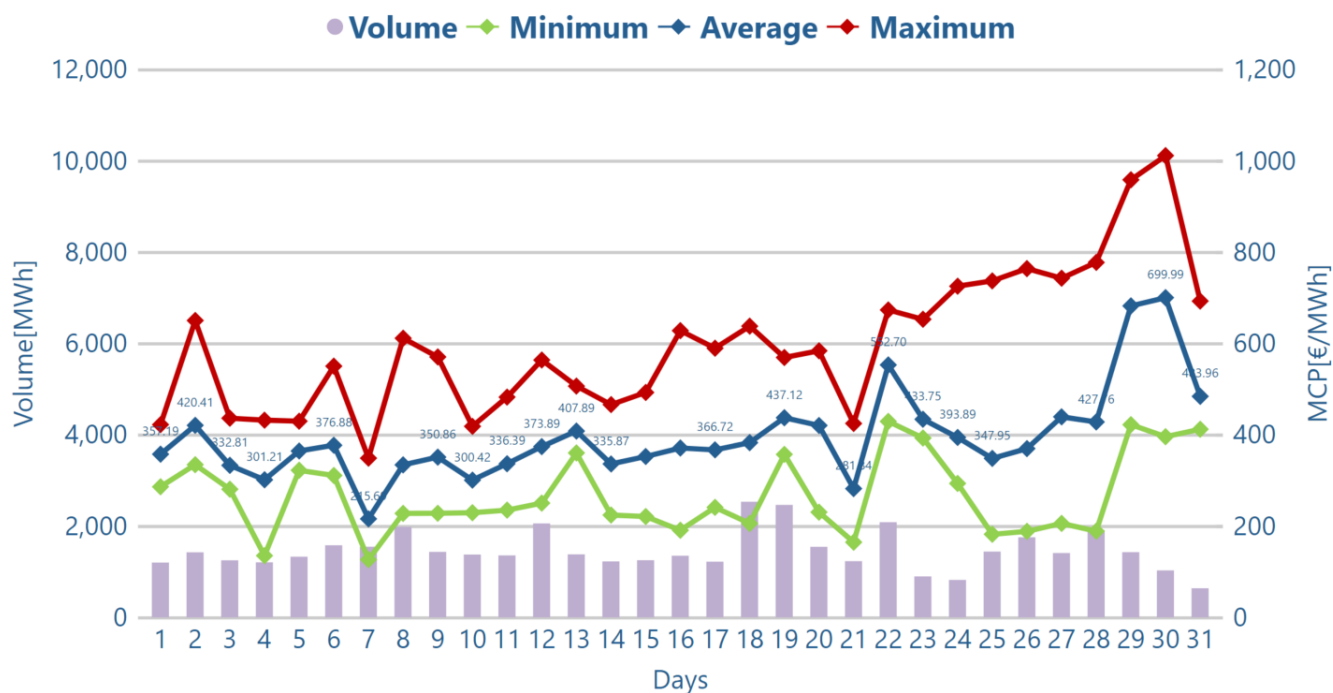
Market Clearing Prices (MCP)

Volumes, technologies and order types

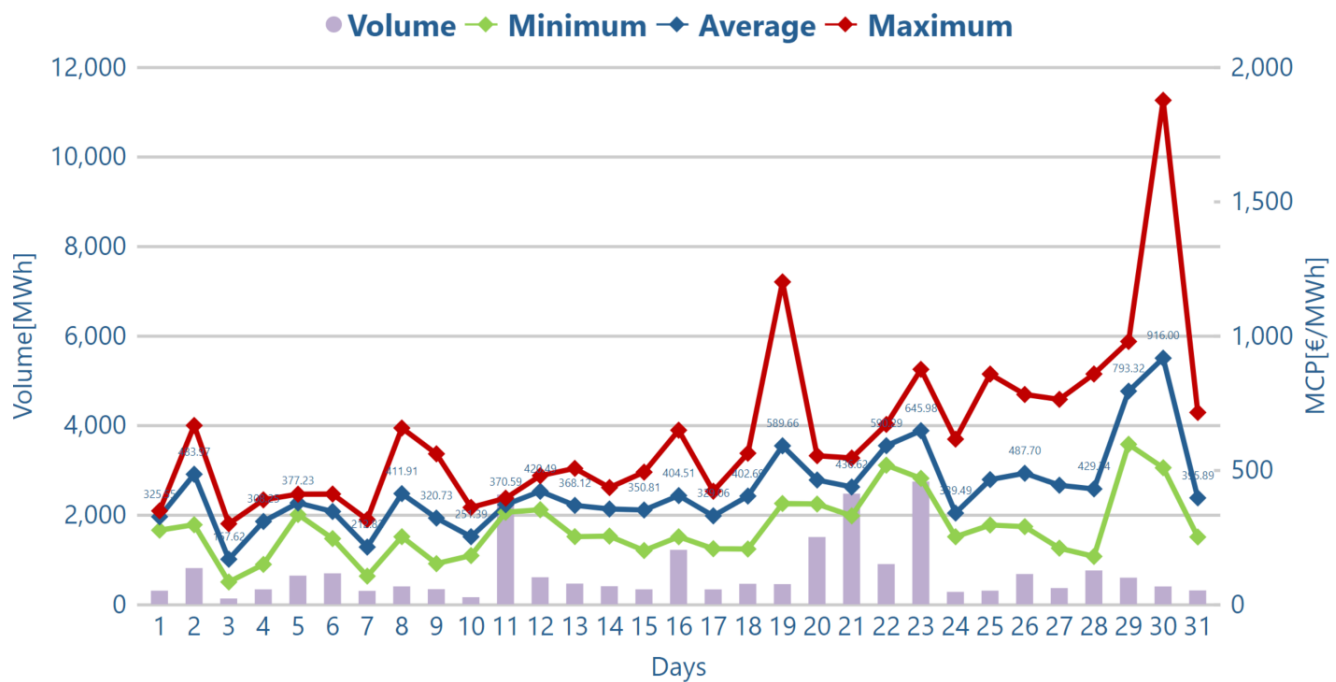
## 2.1. Daily MCP and volume · CRIDA1



## 2.2. Daily MCP and volume · CRIDA2



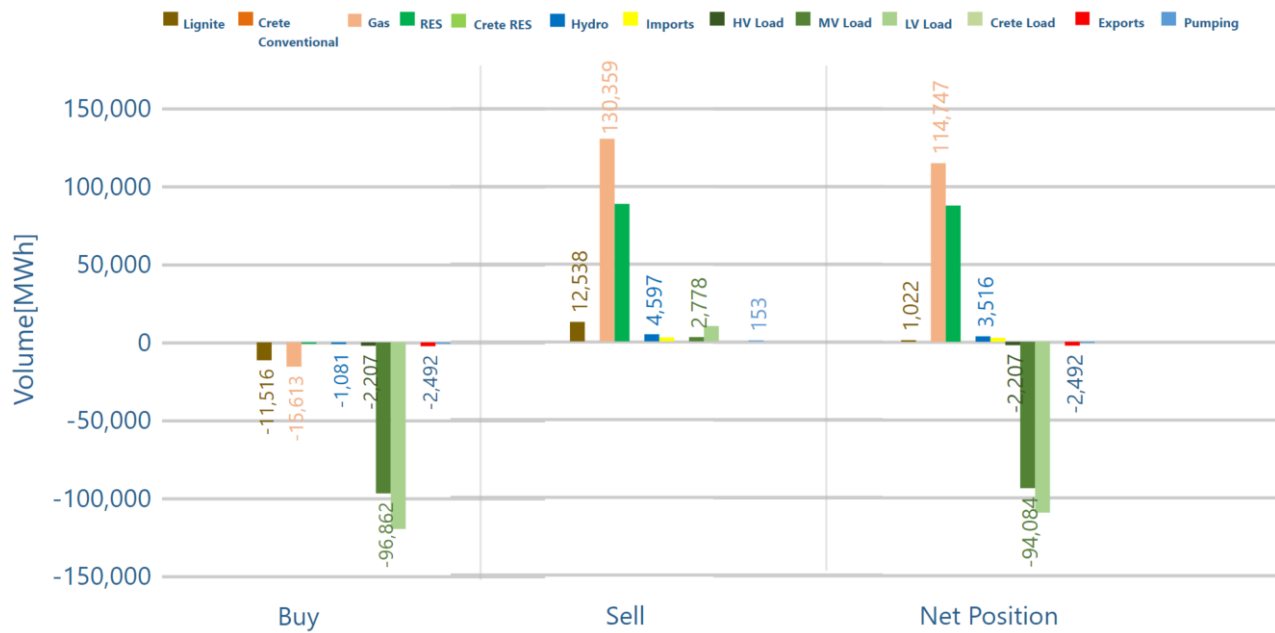
## 2.3. Daily MCP and volume · CRIDA3



## 2.4. Table with MCP and volume

Year			2021	2021	2021	2021	2022	2022	2022	2022	2022	2022	2022	2022
Month			Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
CRIDA1	Price [€/MWh]	min	58.53	50	36.01	7.81	10.70	87.79	99.21	0	60.19	19.42	109.14	143.45
		avg	133.95	197.39	227.79	234.23	225.59	209.70	274.05	243.67	223.32	237.46	316.84	422.60
		max	246.54	385	413	550	390	349	665	423.30	388.65	464.58	681	991.84
	Volume [MWh]		34,980	55,735	57,219	59,337	65,510	40,311	70,891	52,098	52,839	34,436	162,941	183,959
CRIDA2	Price [€/MWh]	min	54.51	73.56	37.48	5.96	4.70	83.75	99.11	0.01	60.90	20.13	0	126.29
		avg	131.18	196.57	227.54	233.08	226.23	208.97	272.01	245.06	221.25	236.83	288.59	395.14
		max	240	381	411	581	435	350	620.07	422.50	350	479	701	1011
	Volume [MWh]		29,413	50,719	41,278	44,408	38,357	38,727	51,291	41,923	41,935	39,002	45,893	45,307
CRIDA3	Price [€/MWh]	min	55.06	95.06	125.19	74.57	64.74	123.76	98.61	0	64.30	24.11	0	82.95
		avg	136.73	208.22	249.59	256.79	240.34	216.71	287.02	241.43	225.71	253.13	323.58	425.80
		max	249.49	400	416.60	556.04	444.02	350	599.97	394.70	350	469.04	726	1876
	Volume [MWh]		19,012	29,856	25,615	43,368	32,187	24,098	31,964	24,779	30,263	28,075	29,003	22,083

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



### 3. DAM & IDM · Aggregated Overview

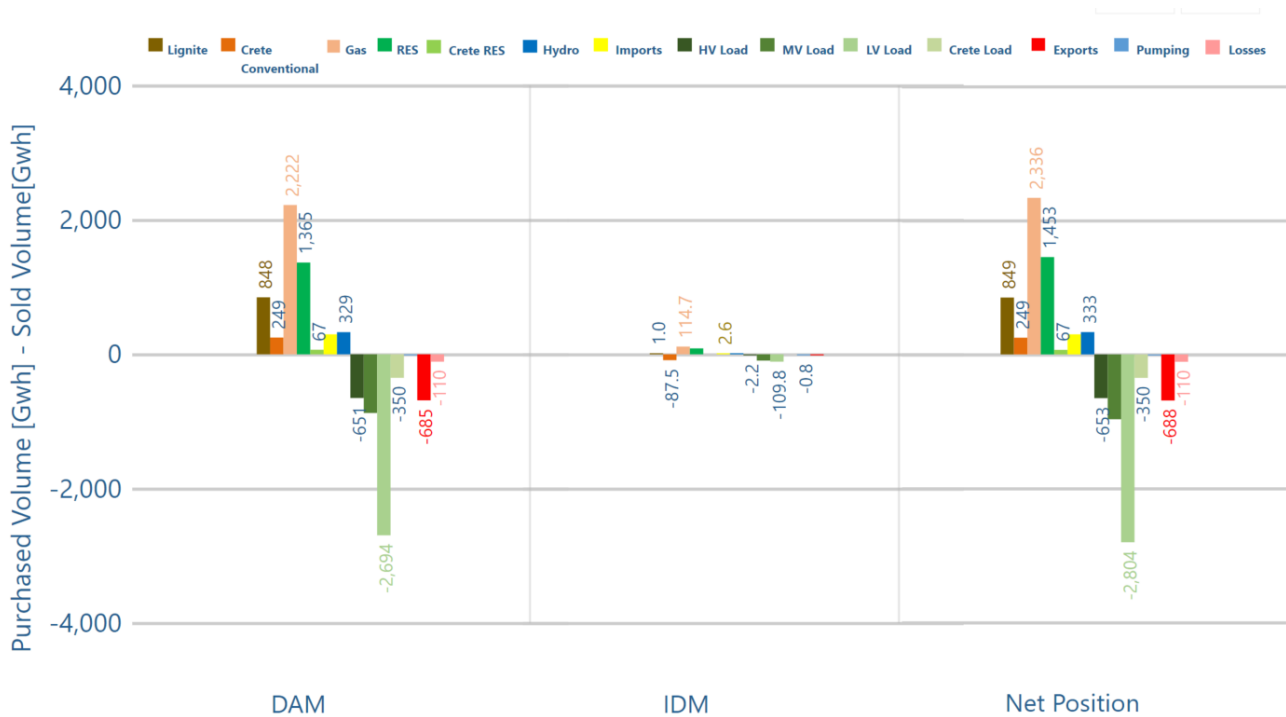
**Final Market Schedules**

**Domestic Production**

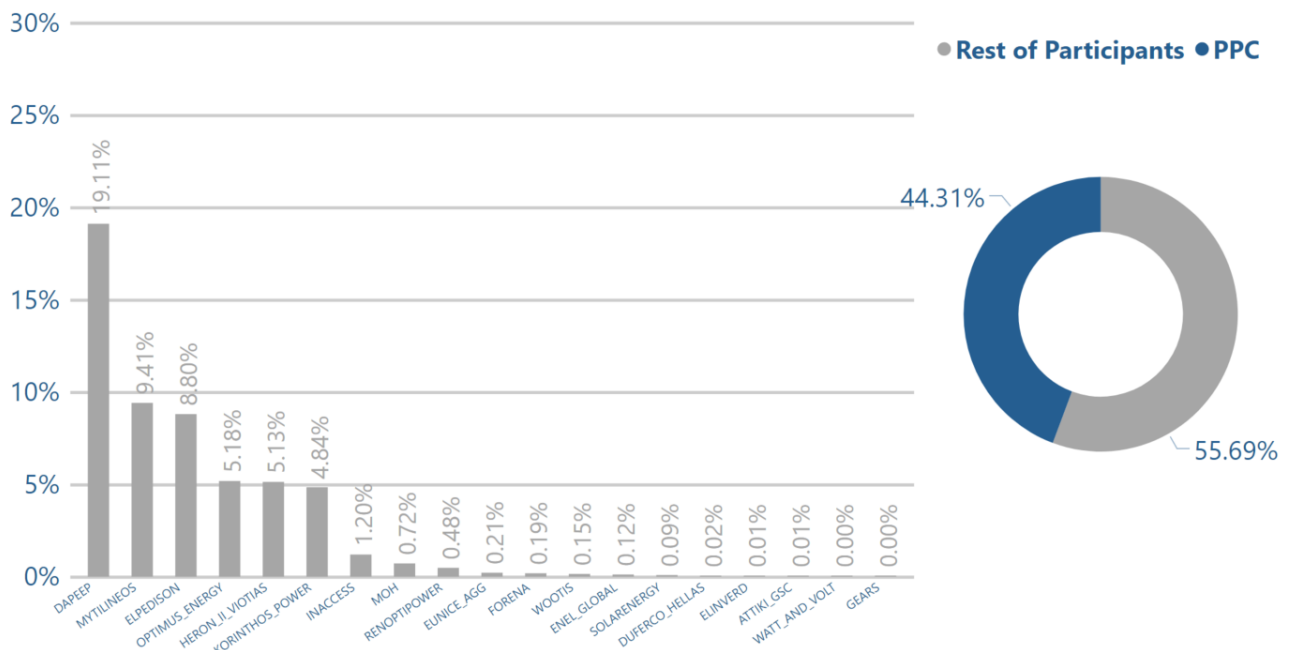
**Domestic Consumption**

**Domestic Consumption per Voltage level**

### 3.1. Market Schedules

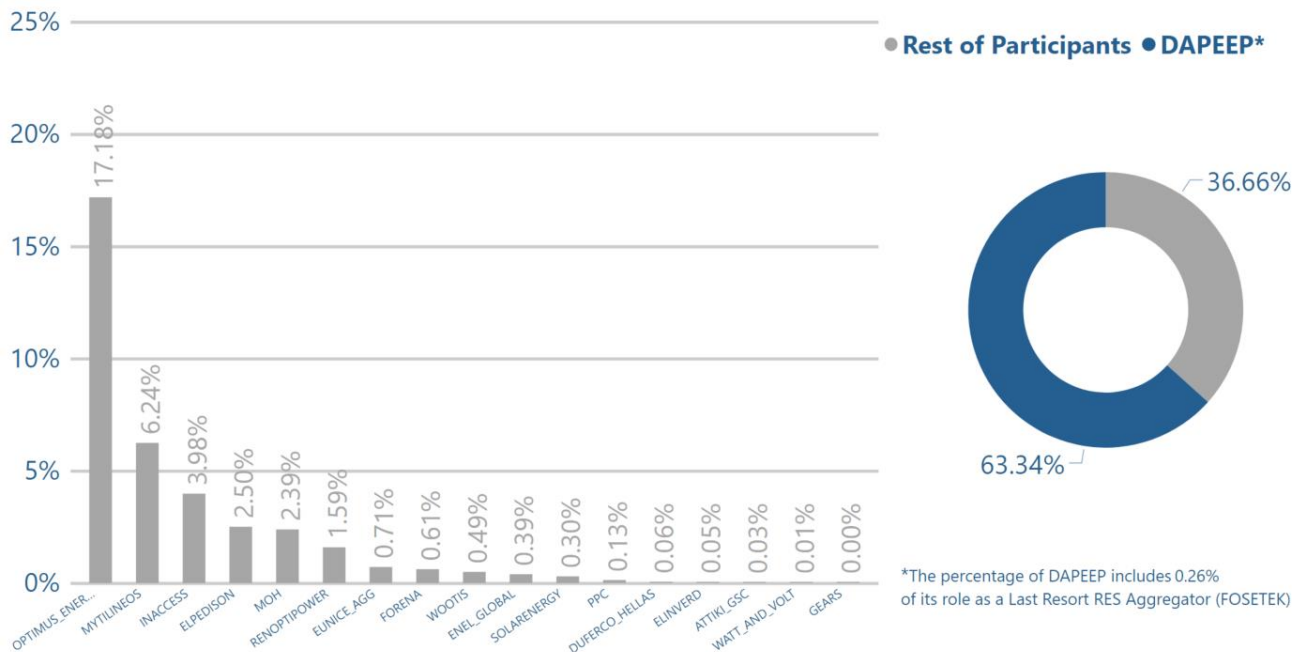


### 3.2. Final Market Schedule shares for all production units per Market Participant · Greek Bidding Zone

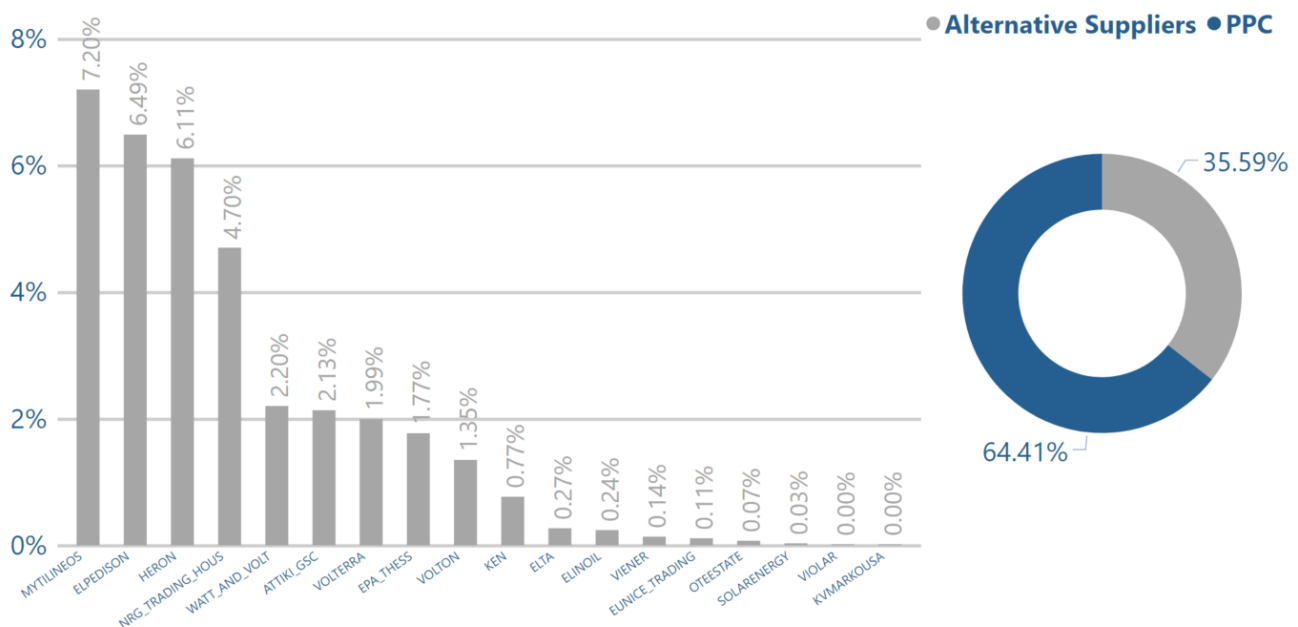




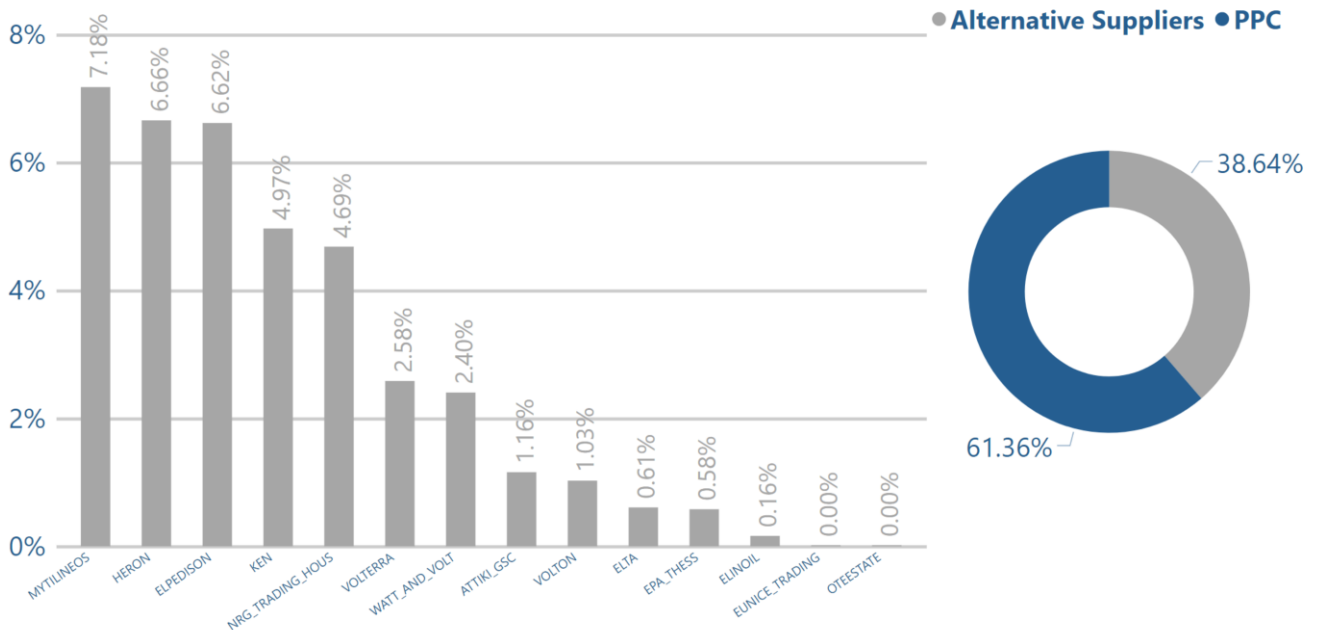
### 3.3. Final Market Schedule shares for RES production units per Market Participant · Greek Bidding Zone



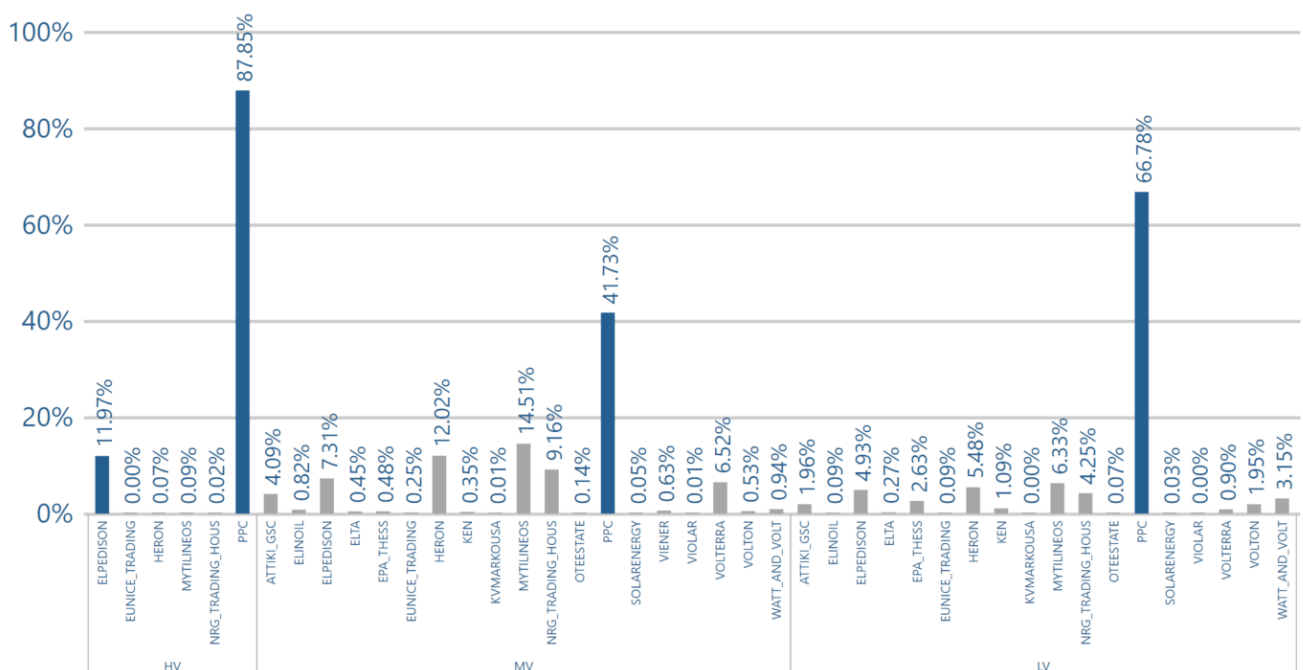
### 3.4. Final Market Schedules shares for domestic load per Market Participant · Mainland



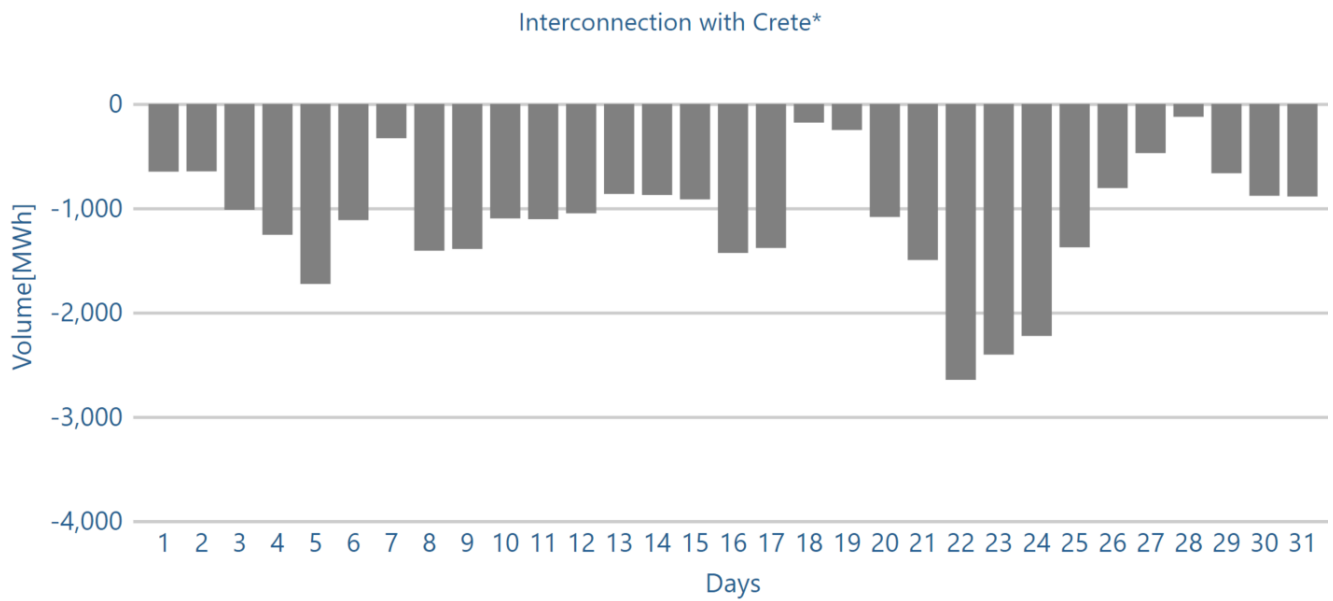
### 3.5. Final Market Schedule Final Schedules shares for domestic load per Market Participant · Crete



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



### 3.7. Energy flow between Greece Mainland and Crete



\*The positive figures represent energy flow from Crete to Greece mainland while negative figures represent energy flow from Greece mainland to Crete

## 4. Natural Gas TP

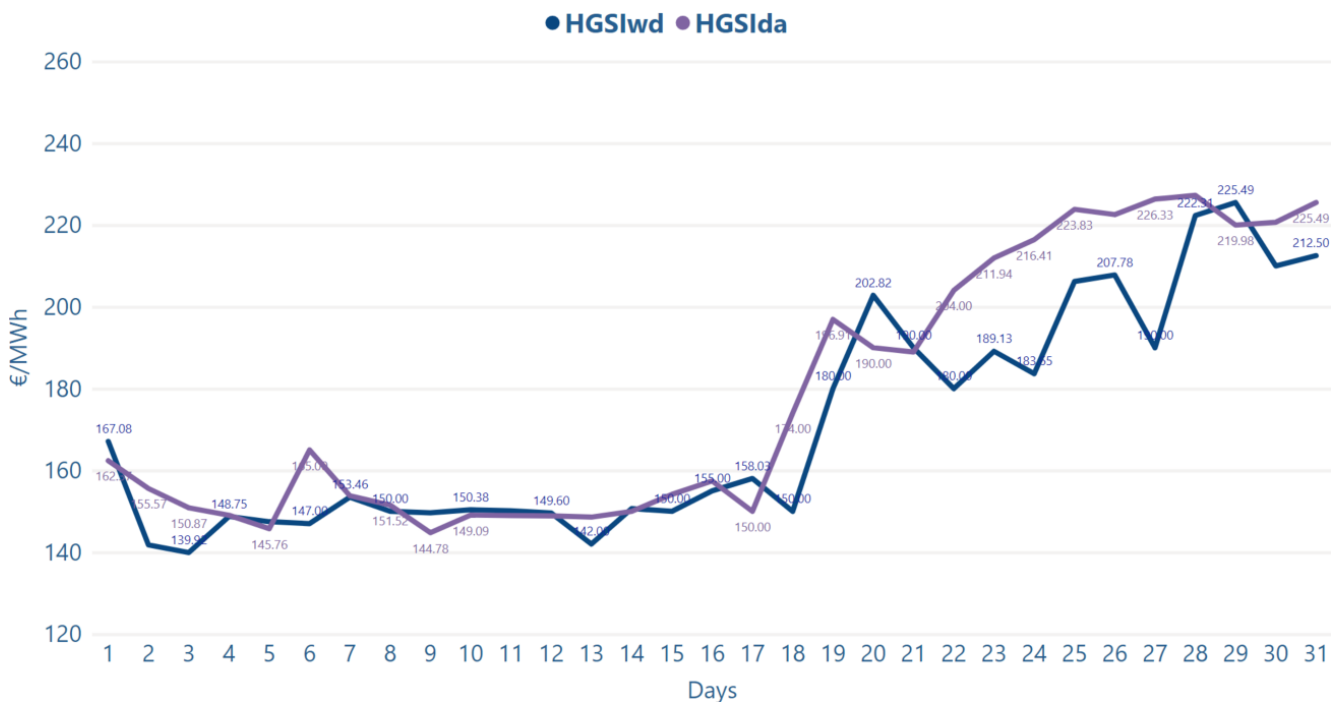
**HEnEx NGAS Indices**

**Trading Volume per Trading Date**

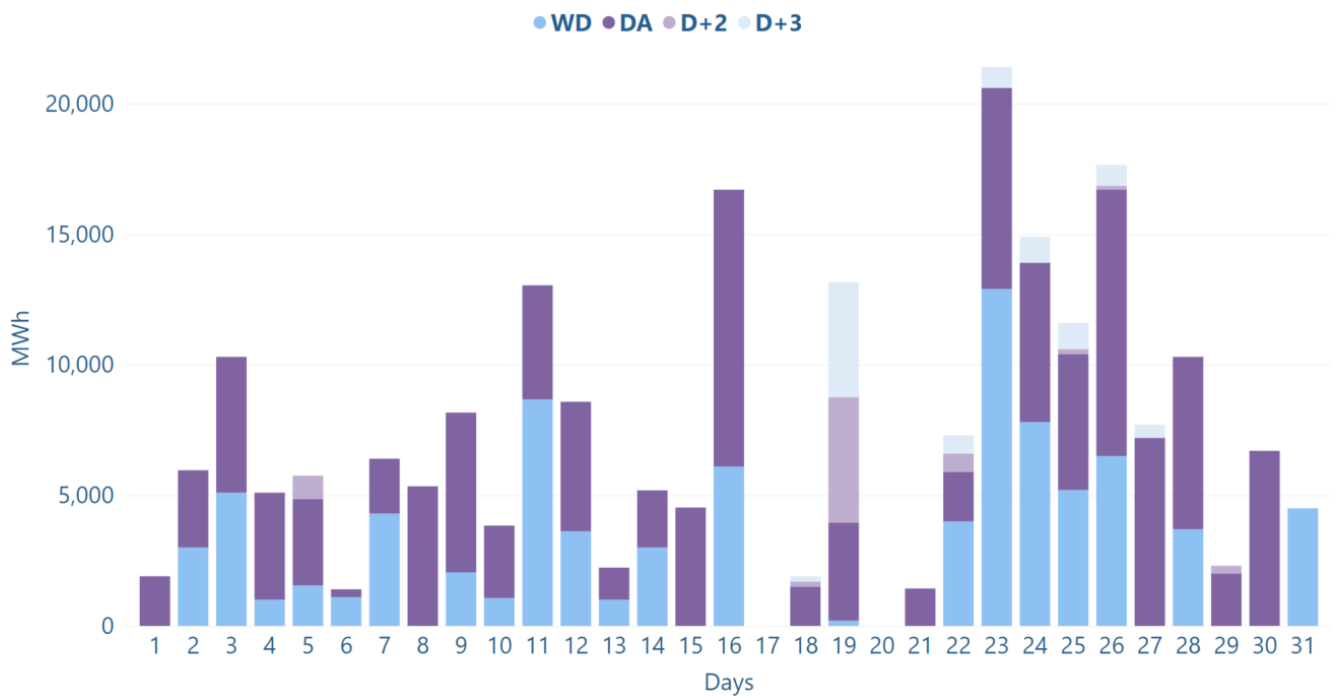
**Trading Volume per Product, Session**

**Closing, Min, & Max Prices**

## 4.1. HEnEx NGAS indices



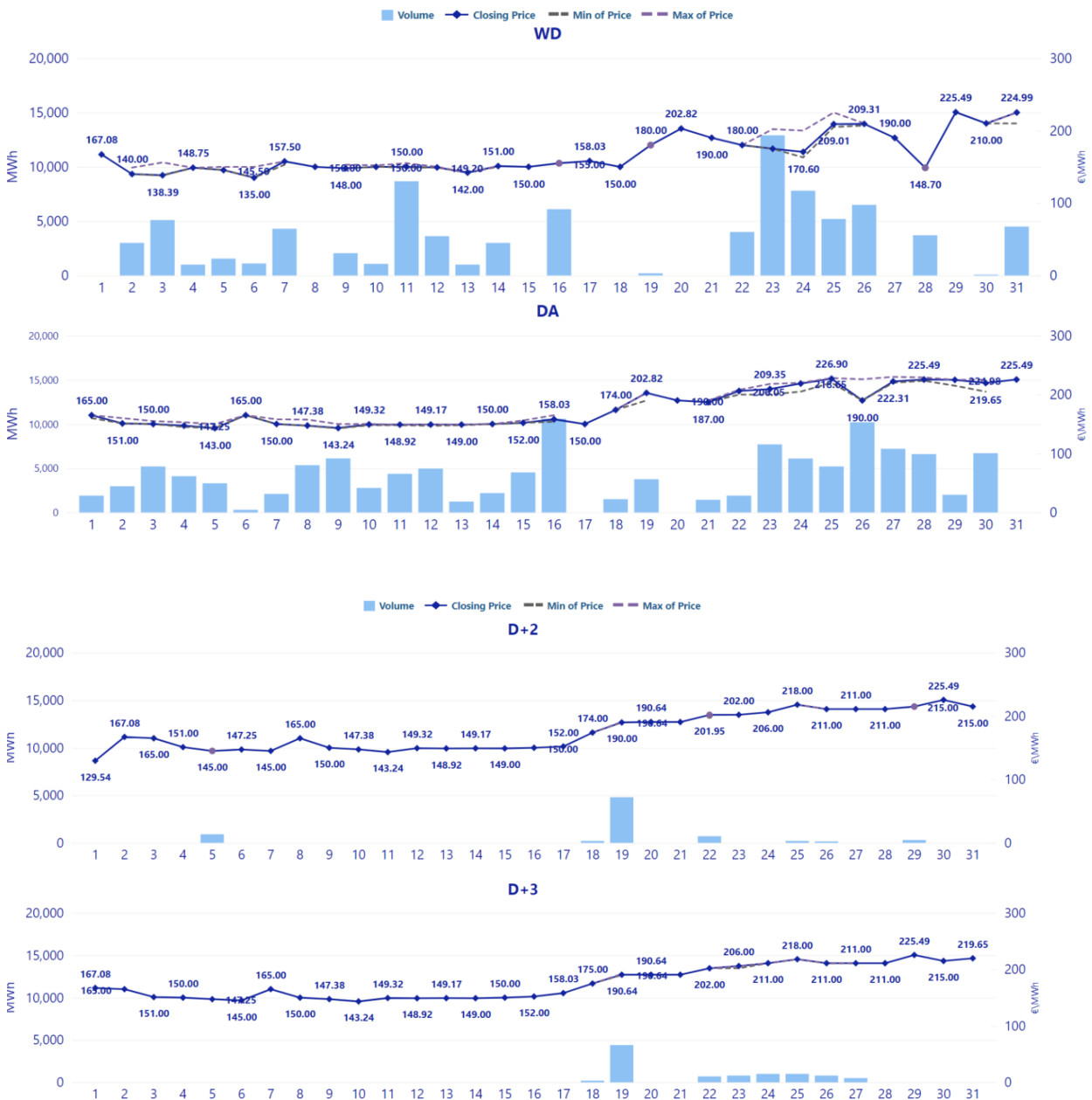
## 4.2. Trading Volume per Trading Day



### 4.3. Trading Volume per Product & Session



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



## 5. 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).
- 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.