

# June 2023

## EMEA Market Structure Monthly

### MICROSTRUCTURE OBSERVATIONS

- In June 2023, the average daily volume in EMEA equities increased to €38.1B, 11% higher than the previous month, but 23% below June 2022's volume.
- The median quote size at the European Best Bid and Offer (EBBO) in June 2023 decreased for STOXX 50 by 12% and decreased for STOXX 600 by 2% during the intraday trading period (08:30 to 16:00 GMT) compared to the previous month.
- Median quoted spreads at the EBBO did not change significantly in June 2023 compared to the previous month. STOXX50 decreased 3% MoM and similarly STOXX 600 symbol spreads decreased 3% MoM during the intraday trading period.
- Volatility levels decreased slightly in June 2023 compared to the previous month, with STOXX 50 volatility little changed MoM and STOXX 600 volatility decreased 2% MoM during intraday trading.
- The market share distribution between venue types changed significantly in June 2023 compared to the previous month due to the triple witching at the end of June. Primary lit and MTF market share decreased 3.4% and 2.1% respectively MoM while Primary Auctions increased 5.7% MoM. Frequent Batch Auctions ("FBA") venues' market share did not change, and Dark venues' market share decreased 0.1% relative to the previous month
- Block market share between venues changed in June 2023 compared to the prior month, with POSIT gaining 3%, Liquidnet losing 3%, Turquoise gaining 1%, and Cboe losing 1%. There was little change in Dark market share distribution in June 2023 compared to previous month.
- In June 2023, closing auction volume increased materially as a percentage of the daily volume relative to the prior month; STOXX50 closing auction volume was up 3.2% to 32.5% and STOXX600 was up 3.7% to 34.3%.

### EMEA MARKET STRUCTURE NEWS

#### **Euronext Sells Its Stake in London Clearing House to London Stock Exchange Group**

LSEG (London Stock Exchange Group) announced that through its majority ownership of LCH Group it has agreed to acquire Euronext's 11.1% stake in LCH SA, the French subsidiary of LCH Group for a total cash consideration of EUR 111 million. Completion of the transaction will see LCH Group take full ownership of LCH SA. The transaction is being funded from existing cash resources and is expected to close in early July 2023

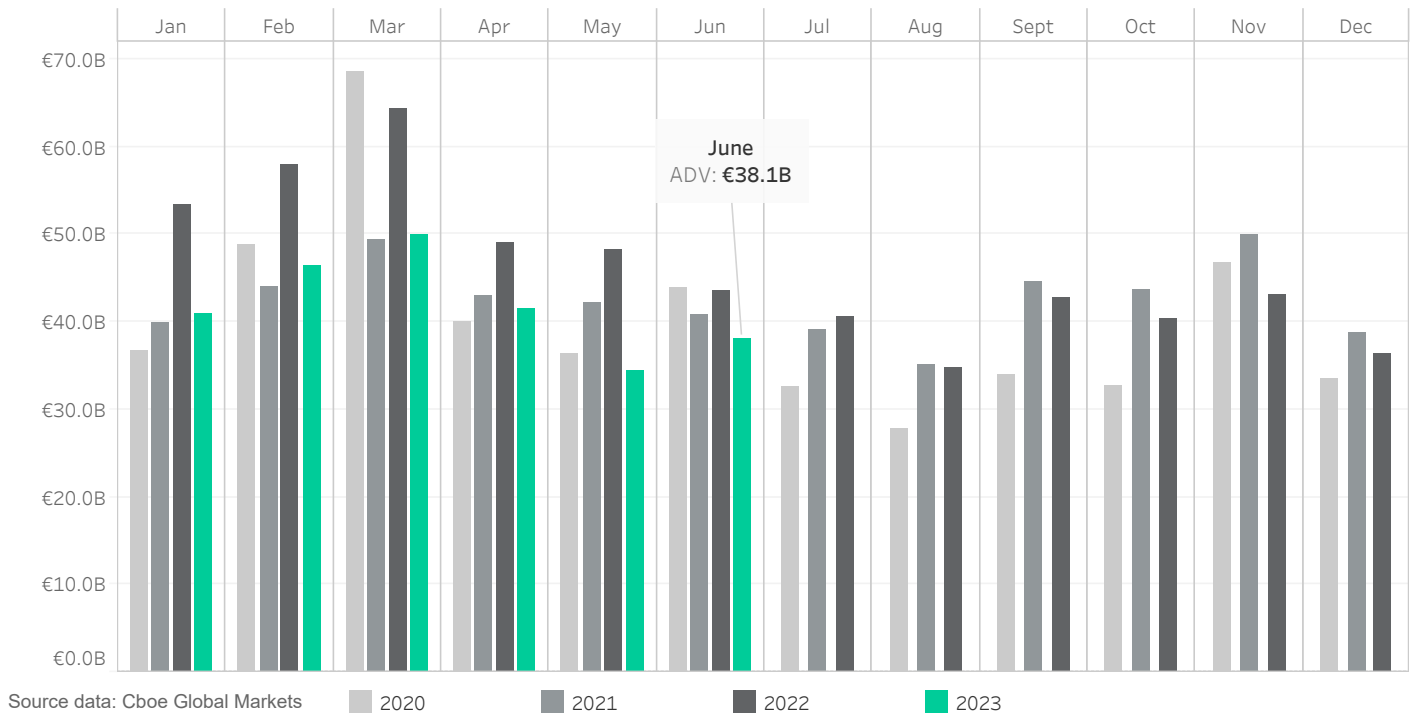
#### **The European Council Agreed with the European Parliament on Market Data Transparency**

The European Council has reached a provisional agreement with the European Parliament on changes to the EU's trading rules that would establish EU level consolidated tapes for different asset classes. The agreement makes no mention of what the tape will include other than that it will include key information such as the price of instruments and the volume and time of transactions.

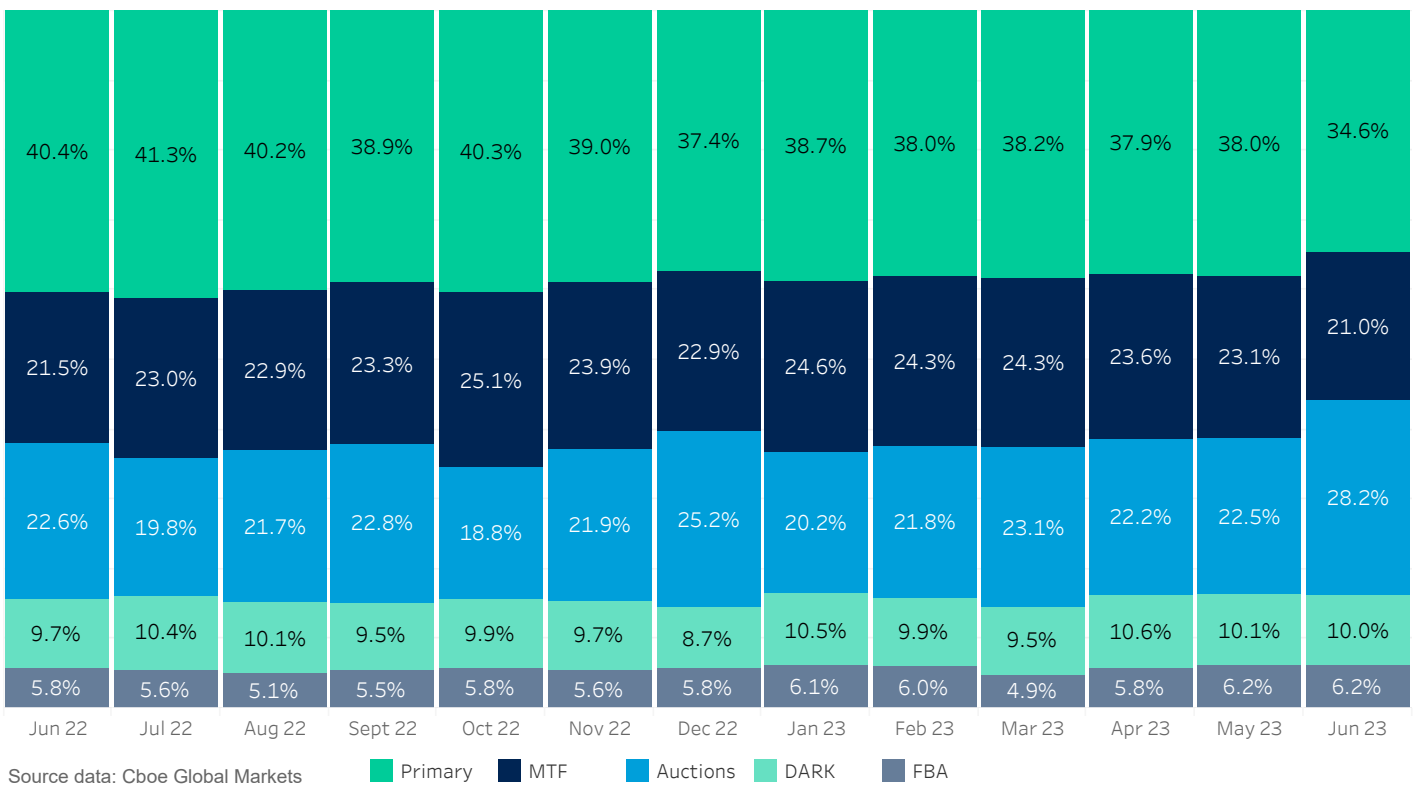
#### **The European Council Agreed to Ban Payment For Order Flow**

The European Council reached a provisional agreement with the European Parliament on Payment For Order Flow (PFOF). The agreement introduces a "general ban" on PFOF with a compromise for a member state where PFOF is currently allowed (e.g. Germany) to offer firms in its jurisdiction an exemption. However, this will be phased out by 30 June 2026.

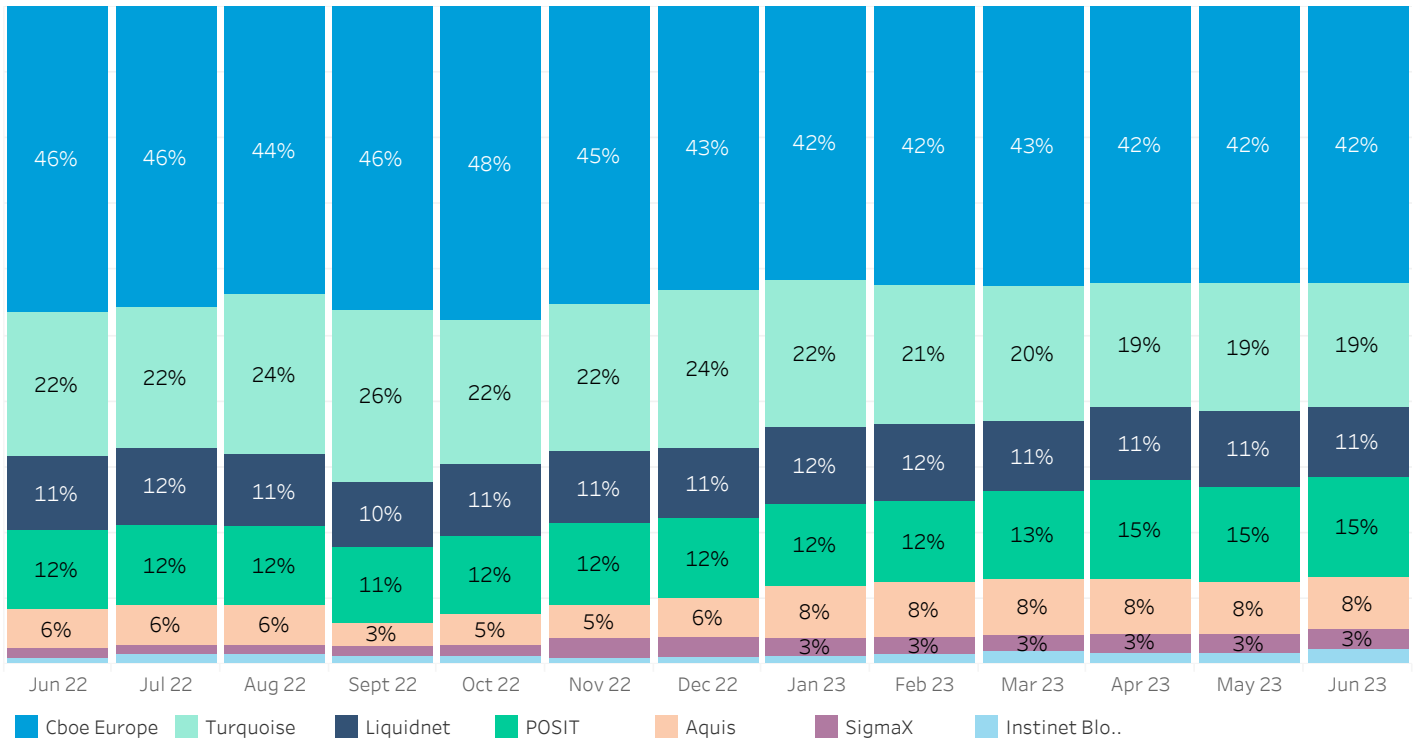
## Average Daily Market Volume



## Venue Type Market Share

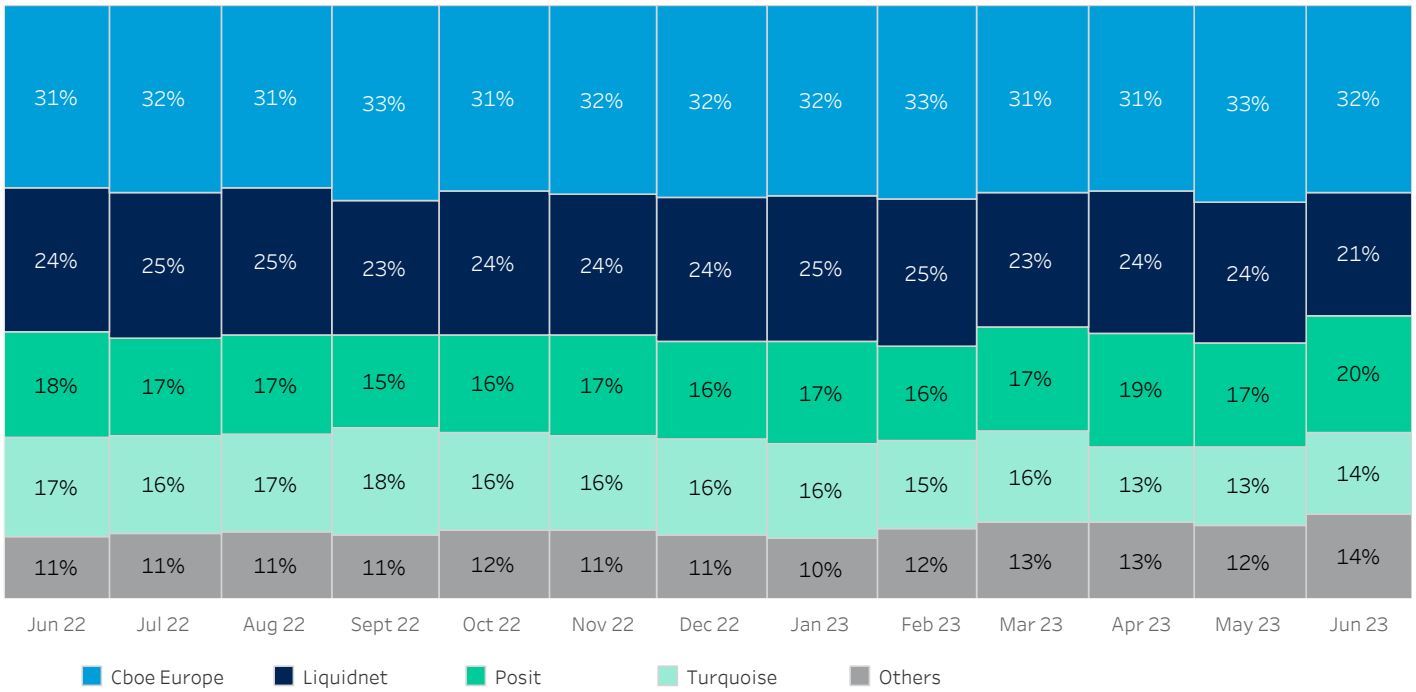


## European Dark Market Share



Source data: Cboe Global Markets

## European Block Market Share



Large In Scale values as per defined per symbol by ESMA; Source data: Virtu Financial

## Quotesize in Notional USD

		2Q 22		3Q 22			4Q 22			1Q 23			2Q 23		
		Jun 22	Jul 22	Aug 22	Sept 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	Apr 23	May 23	Jun 23	
8:00 - 8:30	Stoxx50	21.0K	16.8K	19.2K	18.3K	18.0K	23.6K	25.9K	29.8K	32.1K	27.7K	31.3K	29.2K	26.0K	
	Stoxx600	10.1K	9.6K	10.3K	11.1K	9.9K	10.8K	12.3K	13.7K	14.1K	14.5K	15.2K	14.2K	13.7K	
8:30 - 16:00	Stoxx50	33.9K	26.0K	26.6K	25.8K	25.1K	34.3K	35.4K	40.6K	44.2K	38.5K	42.1K	39.2K	34.6K	
	Stoxx600	12.9K	11.9K	12.2K	13.4K	11.5K	13.0K	14.9K	16.7K	17.4K	18.1K	19.1K	17.9K	17.7K	
16:00 - 16:30	Stoxx50	39.8K	31.3K	31.4K	29.0K	28.8K	40.9K	42.2K	49.1K	47.8K	45.3K	49.5K	46.7K	42.3K	
	Stoxx600	15.4K	14.6K	14.7K	15.0K	13.8K	16.6K	18.6K	20.2K	21.3K	22.4K	24.1K	23.3K	23.6K	

## Spread Bps

8:00 - 8:30	Stoxx50	5.3	5.8	4.9	5.2	5.2	4.7	4.7	4.7	4.5	5.0	5.4	5.5	5.3
	Stoxx600	9.4	10.3	9.1	9.4	9.8	9.0	8.7	8.3	7.7	8.4	8.3	8.4	8.0
8:30 - 16:00	Stoxx50	3.4	3.6	3.2	3.5	3.4	3.1	3.1	3.2	3.0	3.3	3.4	3.4	3.3
	Stoxx600	5.9	6.3	5.4	5.9	6.0	5.3	5.1	4.9	4.9	5.4	5.1	5.1	5.0
16:00 - 16:30	Stoxx50	2.8	3.0	2.7	2.9	2.8	2.6	2.8	2.8	2.6	2.9	3.1	3.1	3.1
	Stoxx600	4.8	5.1	4.5	4.8	4.9	4.3	4.4	4.1	4.2	4.6	4.5	4.5	4.5

## One Minute Volatility Bps

8:00 - 8:30	Stoxx50	16.3	21.5	14.2	17.1	16.9	13.4	11.5	11.6	12.4	14.1	12.3	12.4	11.3
	Stoxx600	15.6	17.8	13.8	16.9	17.4	14.8	12.2	12.0	11.4	12.8	11.7	11.1	10.2
8:30 - 16:00	Stoxx50	7.6	10.2	6.6	8.7	8.1	5.9	5.0	5.4	5.5	6.9	5.5	5.1	5.1
	Stoxx600	6.8	7.7	5.9	7.4	7.6	6.0	5.0	4.9	4.9	6.0	4.8	4.6	4.5
16:00 - 16:30	Stoxx50	8.1	9.2	6.9	8.5	8.5	6.0	5.5	5.6	5.7	6.6	5.9	5.7	5.7
	Stoxx600	6.5	6.8	5.4	6.8	7.0	5.4	4.8	4.6	4.7	5.1	4.5	4.5	4.4

## Percent ADV by Time of Day

Open	Stoxx50	0.9%	0.7%	0.7%	0.7%	0.7%	0.7%	0.9%	1.1%	1.0%	1.0%	1.0%	1.0%	1.1%
	Stoxx600	0.5%	0.4%	0.4%	0.4%	0.3%	0.4%	0.4%	0.6%	0.6%	0.6%	0.6%	0.5%	0.6%
8:00 - 8:30	Stoxx50	11.8%	17.0%	10.9%	11.5%	11.6%	10.1%	7.1%	6.4%	5.9%	4.8%	2.9%	3.4%	3.3%
	Stoxx600	6.1%	7.0%	7.2%	7.9%	7.8%	7.4%	6.5%	8.8%	8.3%	6.3%	6.5%	6.6%	5.7%
16:00 - 16:30	Stoxx50	16.2%	16.1%	12.3%	11.0%	12.2%	10.2%	6.9%	5.5%	3.3%	4.2%	2.0%	2.8%	2.9%
	Stoxx600	12.1%	12.7%	13.7%	12.9%	12.2%	11.8%	11.0%	13.1%	13.3%	13.2%	13.3%	13.9%	14.0%
Close	Stoxx50	25.4%	24.3%	22.2%	20.4%	18.1%	19.4%	23.5%	23.1%	25.7%	27.4%	26.7%	29.3%	32.5%
	Stoxx600	26.3%	23.2%	21.3%	20.5%	18.3%	18.6%	21.5%	25.8%	26.8%	29.7%	29.8%	30.6%	34.3%

Median used for all metrics

One minute volatility is calculated using the difference between the high and low price within a one minute time bin, divided by that bin's VWAP

Source data: Virtu Financial

## ABOUT VIRTU

Virtu is a leading financial services firm that leverages cutting-edge technology to provide execution services and data, analytics and connectivity products to its clients and deliver liquidity to the global markets. Leveraging its global market making expertise and infrastructure, Virtu provides a robust product suite including offerings in execution, liquidity sourcing, analytics and broker-neutral, multi-dealer platforms in workflow technology. Virtu's product offerings allow clients to trade on hundreds of venues across 50+ countries and in multiple asset classes, including global equities, ETFs, foreign exchange, futures, fixed income and myriad other commodities. In addition, Virtu's integrated, multi-asset analytics platform provides a range of pre and post-trade services, data products and compliance tools that clients rely upon to invest, trade and manage risk across global markets.

To learn more, contact your sales representative or call our desk at:

**APAC**+852.2846.3553 | **CAN**+1.416.874.0800 | **EMEA**+44.20.7670.4066 | **US**+1.212.444.6250  
info@virtu.com | www.virtu.com

© 2023 Virtu Financial, Inc. All rights reserved. Not to be reproduced or retransmitted without permission. These materials are for informational purposes and are not intended to be used to make trading or investment decisions, they are not intended as an offer to sell or the solicitation of an offer to buy any security or financial product, and are not intended as advice (investment, tax or legal). The information contained herein includes Virtu proprietary information and/or has been taken from sources we believe to be reliable, but we do not represent or warrant that such information is accurate or complete and it should not be relied upon as such. Securities products and services are offered by the following subsidiaries of Virtu Financial, Inc. In the U.S., Virtu Americas LLC, member FINRA and SIPC; in Canada, Virtu ITG Canada Corp., member Canadian Investor Protection Fund and Investment Industry Regulatory Organization of Canada; in Europe, Virtu ITG Europe Limited, registered in Ireland No. 283940 ("VIEL") (VIEL is authorized and regulated by the Central Bank of Ireland), and Virtu Financial Ireland Limited, registered in Ireland No. 471719 ("VFIL") (VFIL is authorized and regulated by the Central Bank of Ireland). The registered office of VIEL and VFIL is Whitaker Court, Whitaker Square, Sir John Rogerson's Quay, Dublin 2, Ireland; in Asia, Virtu ITG Hong Kong Limited (SFC License No. AHD810), Virtu ITG Singapore Pte Limited (CMS License No. 100138-1), and Virtu ITG Australia Limited (AFS License No. 219582).