

July 2023

EMEA Market Structure Monthly

MICROSTRUCTURE OBSERVATIONS

- In July 2023, the average daily volume in EMEA equities decreased to €34.8B, 9% lower than the previous month, and 15% below July 2022 volume.
- The median quote size at the European Best Bid and Offer (EBBO) in July 2023 increased for STOXX 50 by 13% and decreased for STOXX 600 by 5% 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 July 2023 compared to the previous month. STOXX50 decreased 3% MoM and STOXX 600 symbol spreads increased 2% MoM, during the intraday trading period.
- Volatility levels decreased only slightly in July 2023 compared to the previous month, with STOXX 50 decreasing 2% MoM and STOXX 600 volatility unchanged MoM, during intraday trading.
- The market share distribution between venue types changed in July 2023 compared to the previous month. Primary lit and MTF market share increased 3.1% and 0.9% respectively MoM, while Primary Auctions decreased 4.8% MoM. Frequent Batch Auctions ("FBA") venues' market share increased by 0.2% which is a new record of 6.4%, and Dark venues' market share increased by 0.6% to 10.6%.
- Dark market share between venues changed in July 2023 compared to the prior month, with Liquidnet gaining 3%, Cboe losing 2%, POSIT losing 1%, and Turquoise losing 1%.
- Block market share distribution changed significantly in July 2023 compared to previous month. Liquidnet gaining 6%, Cboe losing 2%, POSIT losing 3%, and Turquoise losing 1%.
- In July 2023, closing auction volume decreased slightly from the record highs of June 2023. As a percentage of the daily volume relative to the prior month, STOXX50 closing auction volume was down 3.1% to 29.9% and STOXX600 was down 2.5% to 32.4%.

EMEA MARKET STRUCTURE NEWS

European Securities and Markets Authority Published Consultation Package for Crypto

The European Securities and Markets Authority's (ESMA) has published its first consultation package as it is seeking input on proposed rules for crypto-asset service providers (CASPs). In addition, ESMA aims to gather more insight on respondents' current and planned activities, as a fact-finding exercise to better understand the EU crypto-asset markets and their future development.

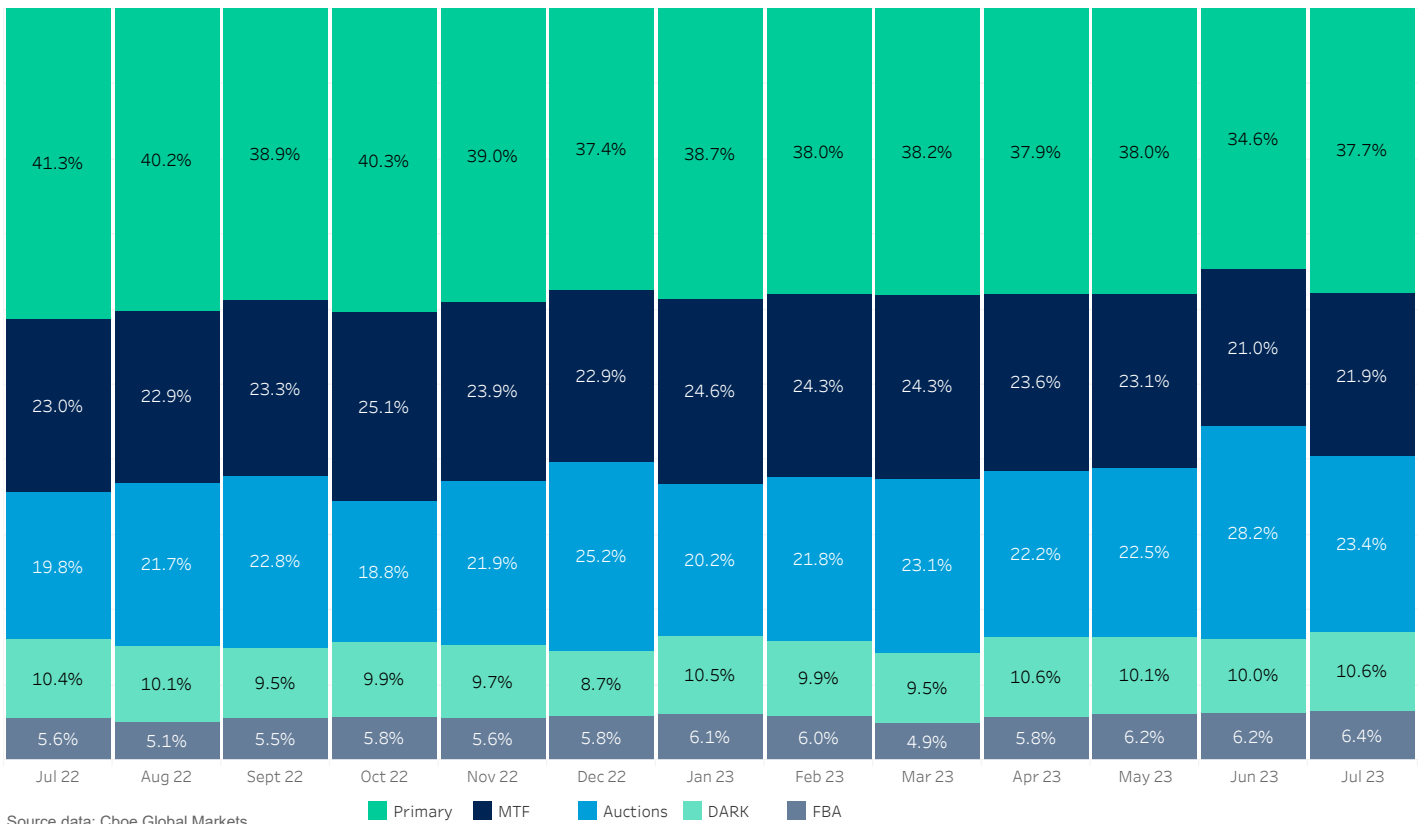
Financial Conduct Authority Published Action Plan for Cash Saving

With the Bank of England raising interest rates for the 14th consecutive time to 5.25% in early August the UK Financial Conduct Authority (FCA) published a list of 14 action points to ensure banks and building societies are passing on interest rate rises to savers appropriately. Firms offering the lowest savings rates will be required to justify by the end of August how those rates offer fair value, according to the Consumer Duty which enters into force today. If they are unable to do so, the FCA will take action.

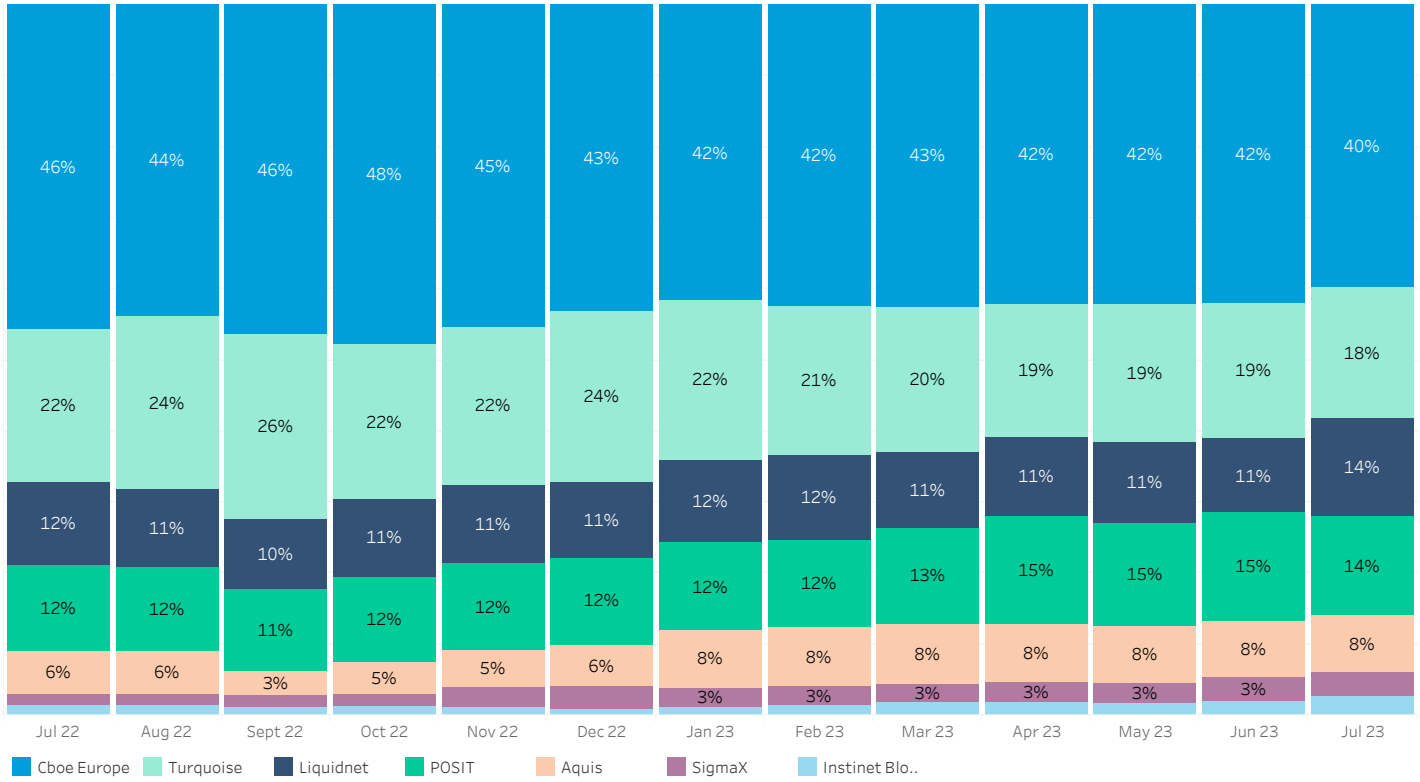
Average Daily Market Volume



Venue Type Market Share

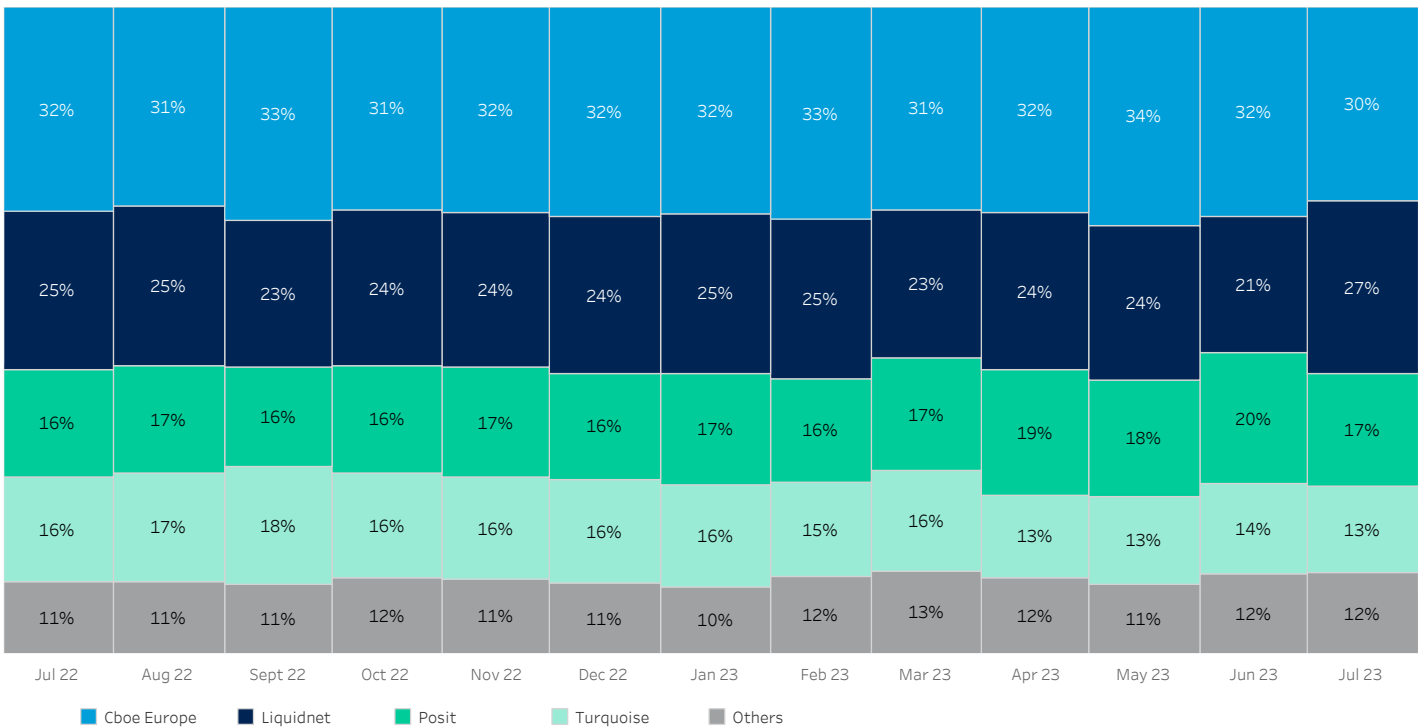


European Dark Market Share



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

		3Q 22			4Q 22			1Q 23			2Q 23			3Q 23
		Jul 22	Aug 22	Sept 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	Apr 23	May 23	Jun 23	Jul 23
8:00 - 8:30	Stoxx50	16.8K	19.2K	18.3K	18.0K	23.6K	25.9K	29.8K	32.1K	27.7K	31.3K	29.3K	25.8K	28.2K
	Stoxx600	9.6K	10.3K	11.1K	9.9K	10.8K	12.3K	13.7K	14.1K	14.5K	15.2K	14.3K	13.5K	12.7K
8:30 - 16:00	Stoxx50	26.0K	26.6K	25.8K	25.1K	34.3K	35.4K	40.6K	44.2K	38.5K	42.1K	39.4K	34.2K	38.8K
	Stoxx600	11.9K	12.2K	13.4K	11.5K	13.0K	14.9K	16.7K	17.4K	18.1K	19.1K	18.0K	17.6K	16.8K
16:00 - 16:30	Stoxx50	31.3K	31.4K	29.0K	28.8K	40.9K	42.2K	49.1K	47.8K	45.3K	49.5K	47.3K	41.8K	46.8K
	Stoxx600	14.6K	14.7K	15.0K	13.8K	16.6K	18.6K	20.2K	21.3K	22.4K	24.1K	23.4K	23.3K	22.5K

Spread Bps

8:00 - 8:30	Stoxx50	5.8	4.9	5.2	5.2	4.7	4.7	4.7	4.5	5.0	5.4	5.5	5.3	5.3
	Stoxx600	10.3	9.1	9.4	9.8	9.0	8.7	8.3	7.7	8.4	8.3	8.4	8.0	8.1
8:30 - 16:00	Stoxx50	3.6	3.2	3.5	3.4	3.1	3.1	3.2	3.0	3.3	3.4	3.4	3.3	3.4
	Stoxx600	6.3	5.4	5.9	6.0	5.3	5.1	4.9	4.9	5.4	5.1	5.1	5.0	5.1
16:00 - 16:30	Stoxx50	3.0	2.7	2.9	2.8	2.6	2.8	2.8	2.6	2.9	3.1	3.1	3.1	3.1
	Stoxx600	5.1	4.5	4.8	4.9	4.3	4.4	4.1	4.2	4.6	4.5	4.4	4.5	4.5

One Minute Volatility Bps

8:00 - 8:30	Stoxx50	21.5	14.2	17.1	16.9	13.4	11.5	11.6	12.4	14.1	12.3	12.4	11.4	11.4
	Stoxx600	17.8	13.8	16.9	17.4	14.8	12.2	12.0	11.4	12.8	11.7	11.1	10.2	10.4
8:30 - 16:00	Stoxx50	10.2	6.6	8.7	8.1	5.9	5.0	5.4	5.5	6.9	5.5	5.1	5.1	5.0
	Stoxx600	7.7	5.9	7.4	7.6	6.0	5.0	4.9	4.9	6.0	4.8	4.6	4.5	4.5
16:00 - 16:30	Stoxx50	9.2	6.9	8.5	8.5	6.0	5.5	5.6	5.7	6.6	5.9	5.7	5.8	5.2
	Stoxx600	6.8	5.4	6.8	7.0	5.4	4.8	4.6	4.7	5.1	4.5	4.5	4.4	4.2

Percent ADV by Time of Day

Open	Stoxx50	0.7%	0.7%	0.7%	0.7%	0.7%	0.9%	1.1%	1.0%	1.0%	1.0%	1.0%	1.1%	1.1%
	Stoxx600	0.4%	0.4%	0.4%	0.3%	0.4%	0.4%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
8:00 - 8:30	Stoxx50	17.0%	10.9%	11.5%	11.6%	10.1%	7.1%	6.4%	5.9%	4.8%	2.9%	3.4%	3.0%	3.6%
	Stoxx600	7.0%	7.2%	7.9%	7.8%	7.4%	6.5%	8.8%	8.3%	6.3%	6.5%	6.6%	5.7%	5.7%
16:00 - 16:30	Stoxx50	16.1%	12.3%	11.0%	12.2%	10.2%	6.9%	5.5%	3.3%	4.2%	2.0%	2.8%	2.9%	4.0%
	Stoxx600	12.7%	13.7%	12.9%	12.2%	11.8%	11.0%	13.1%	13.3%	13.2%	13.3%	13.9%	13.6%	14.0%
Close	Stoxx50	24.0%	22.2%	20.4%	18.1%	19.4%	23.5%	23.1%	25.7%	27.4%	26.6%	29.3%	33.0%	29.9%
	Stoxx600	23.2%	21.3%	20.5%	18.3%	18.6%	21.5%	25.8%	26.8%	29.7%	29.8%	30.6%	34.9%	32.4%

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

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