

August 2021

EMEA Market Structure Monthly

MICROSTRUCTURE OBSERVATIONS

- In August 2021, the average daily volume in EMEA equities decreased to €35.2B, lower than the previous month by 10% (€39.1B) and above August 2020's volume by 27% (€27.7B).
- The median quote size at the European Best Bid and Offer (EBBO) increased in August. The STOXX 50 increased by 5.8% and STOXX 600 increased by 6.2% during the intraday trading period (08:30 to 16:00 BST).
- Median spreads and volatility levels decreased in August. Median spreads in STOXX 50 were 2.3bps and STOXX 600 symbols were 4bps. Volatility decreased by more than 12% in STOXX 50 and STOXX 600 symbols during the intraday trading period (08:30 to 16:00 BST).
- The average daily volume during the close period remained high at 28% for STOXX600 names while the average daily volume during the open period remained below 1%.
- The market share distribution between primary exchanges, primary auctions, multilateral trading facilities (MTFs), frequent batch auctions (FBAs), dark and request for quote (RFQ) venues did not change in August 2021.
- In the dark block space, Cboe Europe increased by 4% and for the first time came in higher than Liquidnet, who decreased by 1%, while Turquoise decreased by 3%.

EMEA MARKET STRUCTURE NEWS

Abu Dhabi Securities Exchange Cuts Fees and Middle Eastern Exchanges Adjust Trading Hours

Abu Dhabi Securities Exchange (ADX) announced that starting on 31 August, it will waive the minimum commission fee on trades in all listed securities starting in a bid to further encourage market participation among individual investors. The decision follows an earlier announcement of a 50% reduction in trading commissions that takes effect on 1 September—this is the exchange's second commission cut in 2021 and the third in three years. The cuts are part of the ADX One strategy announced earlier this year, which aims to bolster activity and deepen liquidity on the exchange.

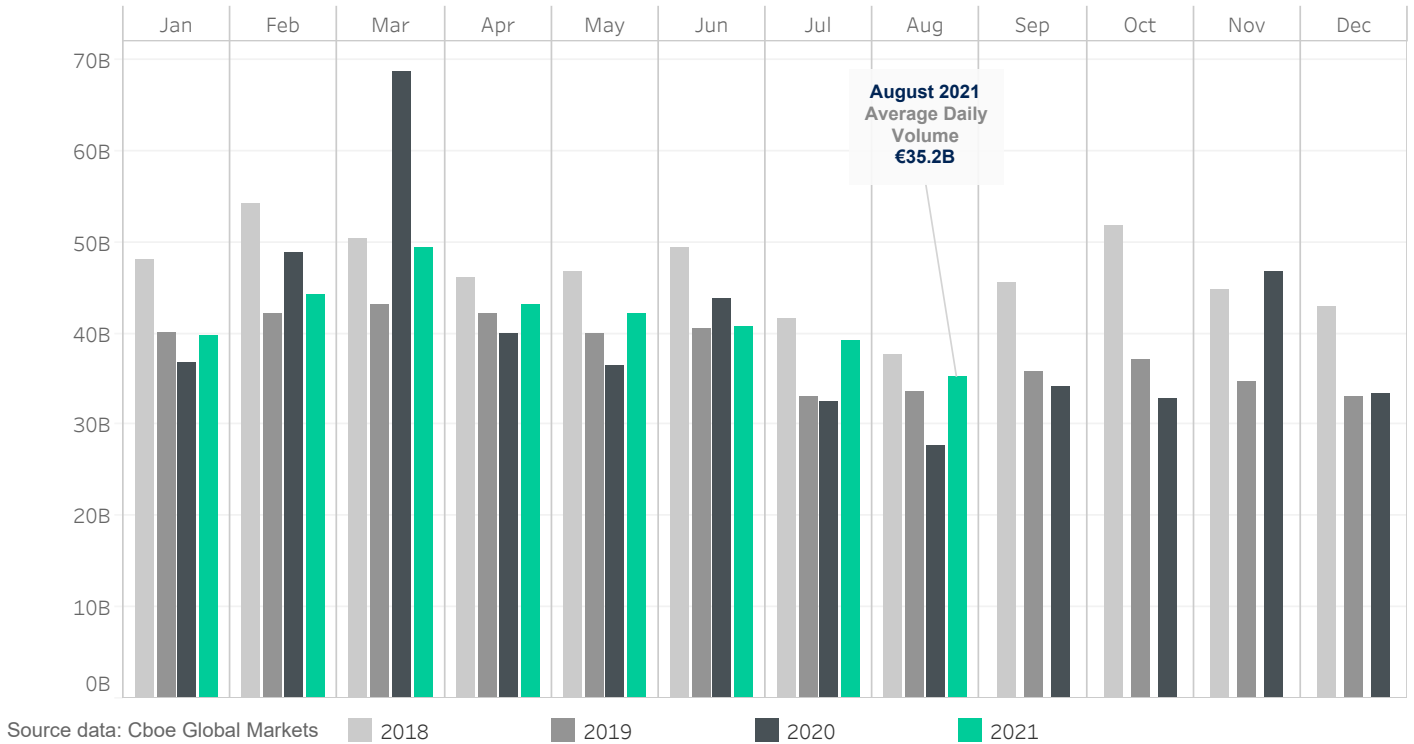
In addition, ADX, Nasdaq Dubai and Dubai Financial Market announced the extension of their trading hours from four to five hours as of 3 October 2021.

<https://adxservices.adx.ae/WebServices/DataServices/contentDownload.aspx?doc=2393602>

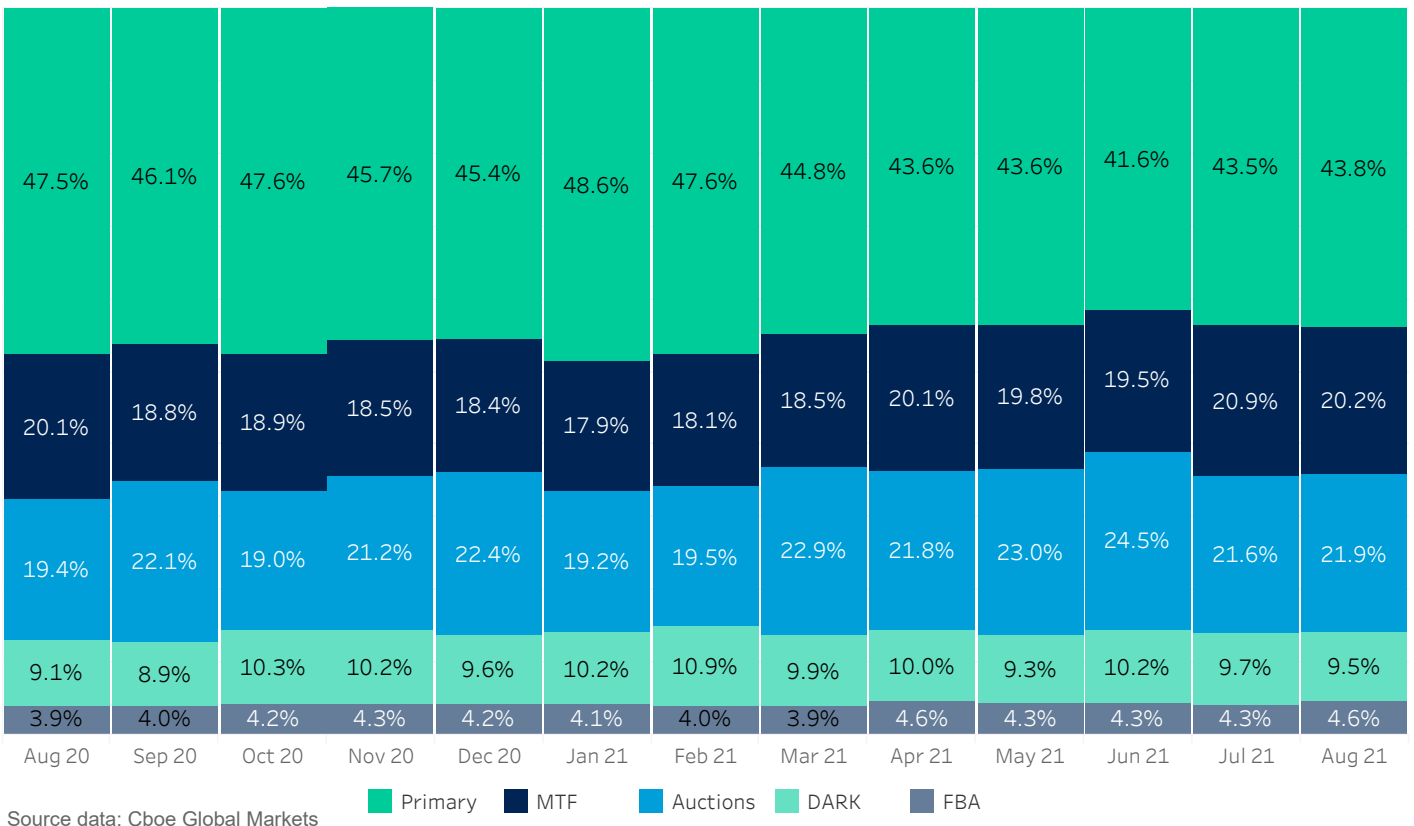
<https://adxservices.adx.ae/WebServices/DataServices/contentDownload.aspx?doc=2393135>



Average Daily Market Volume

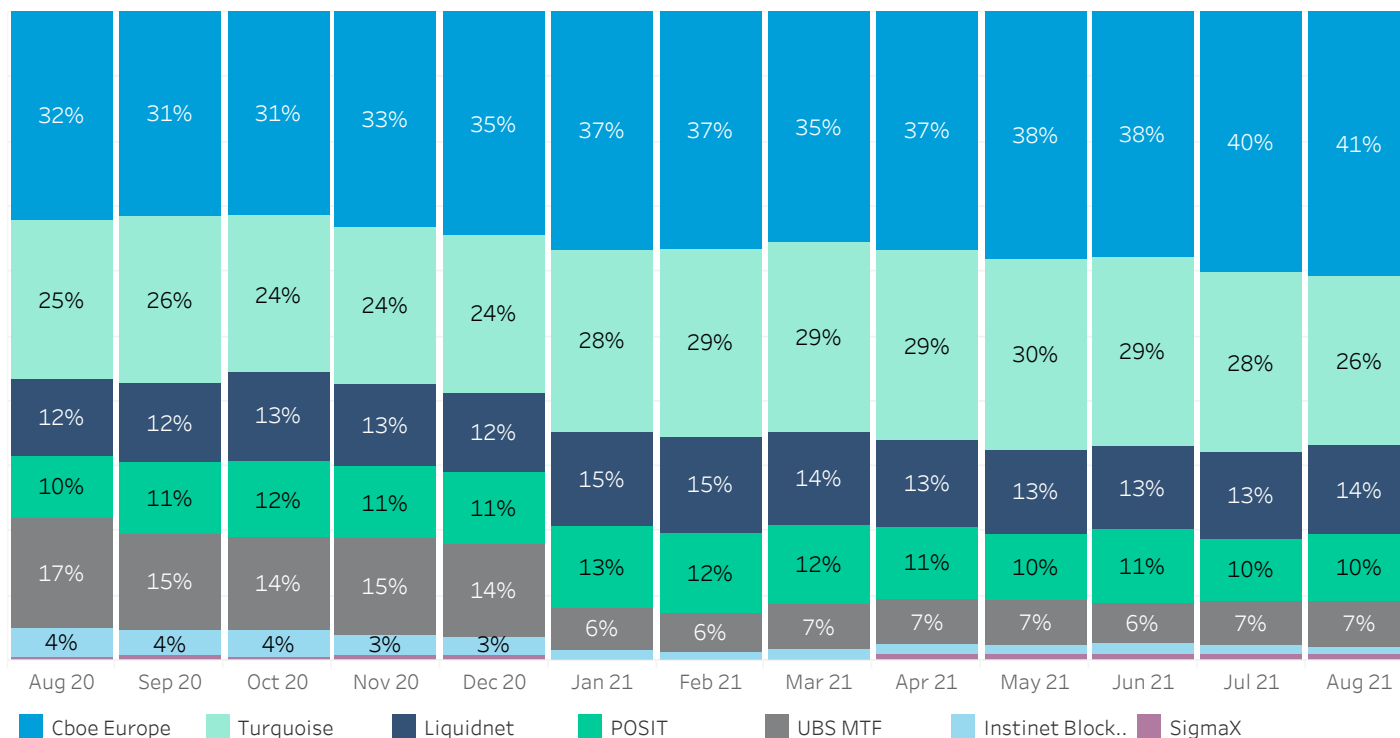


Venue Type Market Share



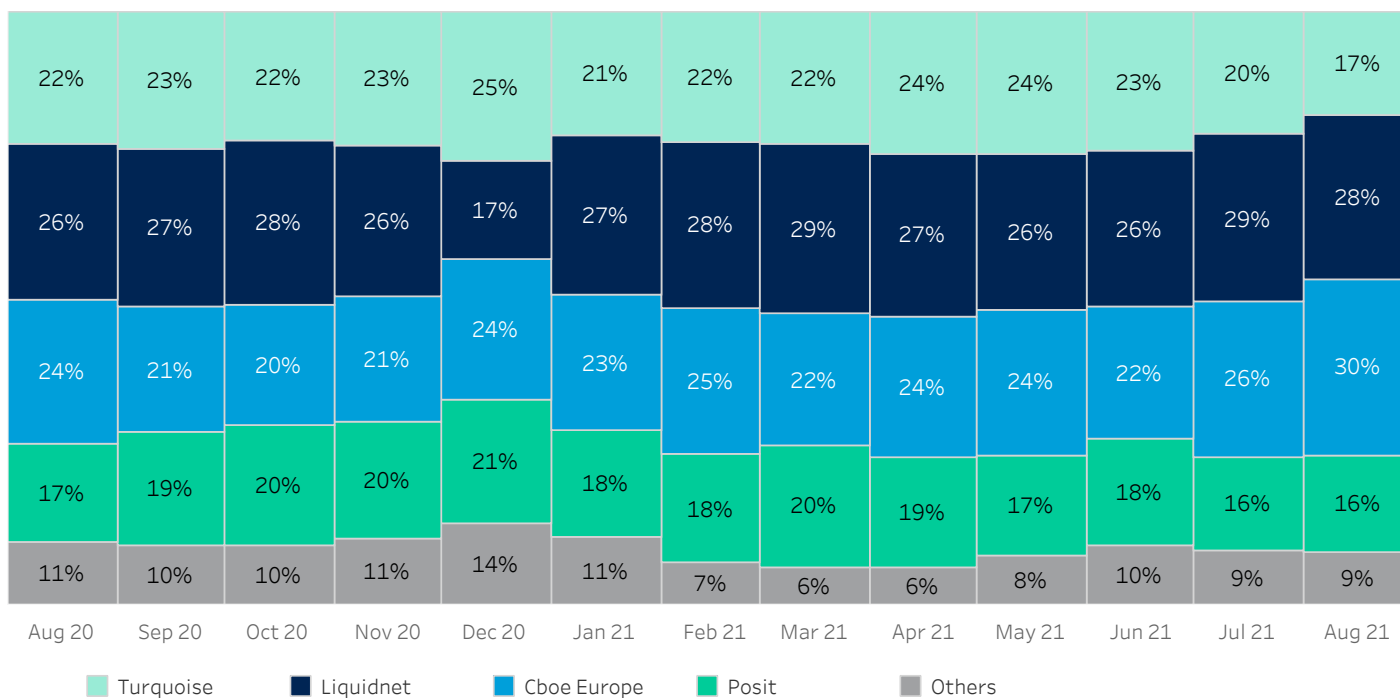


Dark Market Share



Source data: Cboe Global Markets

Block Market Share



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



Quotesize in Notional USD

		3Q 20		4Q 20			1Q 21			2Q 21			3Q 21	
		Aug 20	Sep 20	Oct 20	Nov 20	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21
8:00 - 8:30	Stoxx50	29.4K	29.3K	26.6K	29.9K	32.2K	25.3K	25.5K	26.3K	20.8K	21.9K	22.4K	19.3K	20.0K
	Stoxx600	12.9K	12.5K	12.0K	12.6K	13.4K	11.1K	11.0K	11.4K	11.0K	11.0K	11.5K	10.6K	11.0K
8:30 - 16:00	Stoxx50	43.0K	43.6K	38.9K	45.4K	50.6K	38.4K	37.8K	40.4K	35.0K	36.3K	37.4K	32.5K	34.4K
	Stoxx600	18.2K	17.7K	17.1K	18.4K	20.3K	15.9K	16.2K	17.2K	16.9K	17.3K	18.2K	16.0K	17.0K
16:00 - 16:30	Stoxx50	61.4K	58.4K	54.1K	63.2K	67.2K	46.9K	46.7K	51.1K	44.3K	43.3K	44.8K	38.1K	40.2K
	Stoxx600	24.3K	22.5K	22.3K	24.8K	26.2K	19.0K	19.2K	21.3K	20.6K	20.8K	22.1K	18.4K	19.4K

Spread Bps

8:00 - 8:30	Stoxx50	5.5	5.5	5.6	5.3	4.6	5.3	5.1	4.6	3.7	3.9	3.8	4.5	4.1
	Stoxx600	9.4	9.2	9.5	9.2	8.2	8.9	8.9	7.8	7.0	7.2	6.9	8.0	7.2
8:30 - 16:00	Stoxx50	3.2	3.4	3.4	3.2	3.0	3.2	3.1	3.1	2.4	2.4	2.4	2.7	2.3
	Stoxx600	5.1	5.1	5.0	4.8	4.5	4.7	4.7	4.5	4.0	4.0	4.0	4.4	4.0
16:00 - 16:30	Stoxx50	2.7	2.9	2.9	2.8	2.6	2.7	2.8	2.8	2.2	2.2	2.1	2.3	2.0
	Stoxx600	4.3	4.4	4.2	4.0	4.0	4.0	4.1	3.9	3.5	3.6	3.5	3.7	3.4

One Minute Volatility Bps

8:00 - 8:30	Stoxx50	15.0	15.9	16.8	15.9	12.8	14.5	14.3	12.2	10.3	11.1	9.1	12.7	10.5
	Stoxx600	14.5	15.0	16.0	15.9	13.0	14.0	14.0	12.2	10.4	10.5	9.2	11.5	9.8
8:30 - 16:00	Stoxx50	6.0	7.0	7.0	6.9	5.1	6.1	5.5	5.5	4.5	4.7	4.2	5.3	4.5
	Stoxx600	5.4	6.1	6.0	6.1	4.9	5.3	5.1	5.1	4.3	4.4	4.0	4.8	4.2
16:00 - 16:30	Stoxx50	6.1	8.1	7.3	6.9	5.6	6.6	6.2	5.6	4.4	4.7	4.2	5.1	4.2
	Stoxx600	5.3	6.5	5.8	5.9	5.0	5.5	5.4	4.9	4.2	4.2	3.8	4.3	3.8

Percent ADV by Time of Day

Open	Stoxx50	0.8%	0.9%	1.1%	1.1%	1.0%	1.4%	1.1%	1.2%	1.1%	1.1%	1.0%	1.0%	1.0%
	Stoxx600	0.5%	0.4%	0.5%	0.5%	0.5%	0.8%	0.6%	0.6%	0.5%	0.6%	0.5%	0.5%	0.5%
8:00 - 8:30	Stoxx50	11.6%	10.6%	11.1%	11.1%	10.7%	10.5%	8.7%	7.2%	6.9%	7.2%	6.1%	7.0%	7.1%
	Stoxx600	9.7%	9.1%	9.1%	8.8%	8.6%	9.3%	7.9%	7.3%	7.1%	7.2%	6.2%	6.6%	6.5%
16:00 - 16:30	Stoxx50	19.9%	19.4%	20.7%	20.7%	22.5%	23.4%	19.3%	15.9%	15.4%	20.1%	18.0%	16.3%	17.2%
	Stoxx600	19.0%	17.5%	17.6%	18.5%	19.4%	17.8%	15.3%	15.1%	14.4%	15.2%	14.4%	13.0%	13.8%
Close	Stoxx50	24.0%	24.8%	24.2%	23.4%	26.6%	31.5%	24.8%	26.6%	26.6%	26.6%	29.3%	27.2%	26.5%
	Stoxx600	24.0%	25.1%	26.1%	26.3%	29.0%	32.0%	27.0%	27.4%	28.9%	26.9%	30.4%	27.8%	27.7%

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

© 2021 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).