

MONTHLY STATISTICS: JULY 2022

SUMMARY

	VALUE TRADED	ADV	% CHANGE OF ADV
Market Share			5.50%
Total Value Traded:	€ 46,812,732,813	€ 2,229,177,753	-2%
Auction on Demand:	€ 641,375,193	€ 30,541,676	8%
Aquis Matching Pool:	€ 5,158,832,679	€ 245,658,699	4%
Market at Close:	€ 9,864,873,129	€ 469,755,863	-27%
Benchmark Cross:	€ 492,771,609	€ 23,465,315	1%

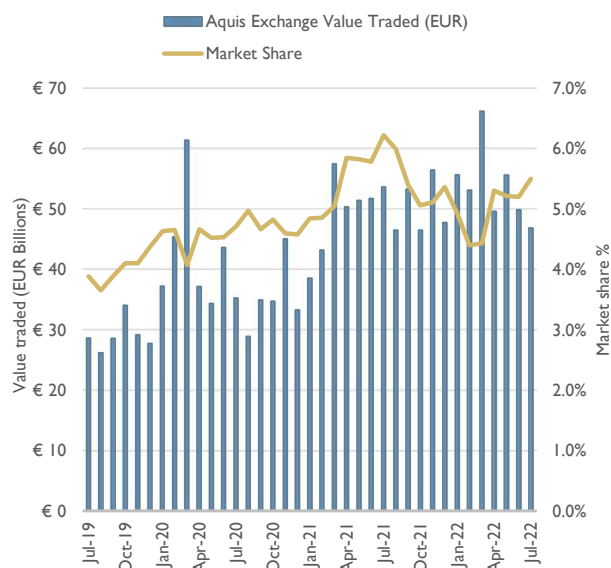
MONTHLY TOP STOCKS BY MARKET SHARE

STOCK	UMTF	MARKET SHARE
Catalana Occidente	GCOe	17.05%
Laboratorios Farmaceuticos	ROVle	14.71%
Corporacion Financiera Alba	ALBe	14.65%
A2A Spa	A2Am	11.69%
Interpump Group Spa	IPm	11.63%
Vidrala S.A.	VIDe	11.54%
Mapfre Sociedad Anonima	MAPe	11.13%
Hera Spa	HERm	11.11%
Davide Campari	CPRm	11.09%
Viscofan	VISe	10.62%

MONTHLY TOP STOCKS BY VALUE TRADED

STOCK	UMTF	VALUE TRADED	MARKET SHARE
ASML Holding NV	ASMLa	€ 864,148,127	6.03%
LVMH SE	MCp	€ 560,692,088	6.46%
TotalEnergies SE	TTEp	€ 550,998,327	6.40%
Nestle SA	NESNz	€ 499,042,002	5.08%
Roche Holding AG	ROGz	€ 494,040,591	5.77%
Prosus NV	PRXa	€ 472,413,318	6.34%
Astrazeneca plc	AZNI	€ 470,688,989	6.09%
Enel Spa	ENELm	€ 413,132,540	8.16%
Intesa Sanpaolo Spa	ISPM	€ 402,421,051	5.82%
Shell Plc	SHELLa	€ 378,305,189	5.36%
Sanofi	SANp	€ 376,110,913	6.64%
Glencore plc	GLENI	€ 342,100,086	6.55%
Novartis AG	NOVNz	€ 314,033,623	3.95%
L'Oreal	ORp	€ 312,273,393	6.31%
Unicredit Spa	UCGm	€ 308,567,802	5.62%

VALUE TRADED PER MONTH



TRADING BY MARKET

MARKET	VALUE TRADED	MARKET SHARE
London	€ 9,075,361,386	5.41%
Frankfurt	€ 7,657,795,530	5.34%
Paris	€ 7,544,567,499	5.57%
Zurich	€ 4,684,860,957	5.39%
Amsterdam	€ 4,011,684,831	5.10%
Milan	€ 3,905,118,735	6.46%
Stockholm	€ 2,740,251,297	4.85%
Madrid	€ 2,532,268,116	6.79%
Copenhagen	€ 1,357,208,664	5.53%
Helsinki	€ 970,421,256	6.05%
Oslo	€ 875,659,596	5.02%
Brussels	€ 741,184,857	6.03%
Lisbon	€ 280,624,533	5.86%
Vienna	€ 273,456,351	6.65%
Dublin	€ 162,269,205	3.06%

MONTHLY TOP 5 SECURITIES BY MARKET SHARE PER MARKET

LONDON TOP STOCKS

STOCK	UMTF	MARKET SHARE
Standard Chartered plc	STANI	10.56%
Associated British Foods plc	ABFI	10.48%
B&M European Value Retail S.A.	BMEI	9.82%
Avast PLC	AVSTI	9.77%
Barratt Developments plc	BDEVI	9.57%

FRANKFURT TOP STOCKS

STOCK	UMTF	MARKET SHARE
Knorr-Bremse AG	KBXd	7.67%
Evonik Industries AG	EVKd	7.66%
Puma SE	PUMd	7.37%
Siemens Energy AG	ENRd	7.36%
Fresenius SE & Co. KGaA	FREd	7.06%

MILAN TOP STOCKS

STOCK	UMTF	MARKET SHARE
A2A Spa	A2Am	11.69%
Interpump Group Spa	IPm	11.63%
Hera Spa	HERm	11.11%
Davide Campari	CPRm	11.09%
Infrastructure Wireless Italiana	INWm	10.53%

PARIS TOP STOCKS

STOCK	UMTF	MARKET SHARE
Air Liquide S.A.	Alp	7.53%
Schneider Electric SE	SUP	6.83%
Hermes International	RMSp	6.70%
Sanofi	SANp	6.64%
Lvmh Moet Hennessy Vuitton SE	MCp	6.46%

AMSTERDAM TOP STOCKS

STOCK	UMTF	MARKET SHARE
Heineken Holdings	HEIOa	7.98%
Hal Trust	HALa	7.64%
Unibail-Rodamco-Westfield	URWa	6.66%
Prosus NV	PRXa	6.34%
ASML Holding NV	ASMLa	6.03%

MADRID TOP STOCKS

STOCK	UMTF	MARKET SHARE
Catalana Occidente	GCOe	17.05%
Laboratorios Farmaceuticos Rovi	ROVle	14.71%
Corporacion Financiera Alba	ALBe	14.65%
Vidrala S.A.	VIDe	11.54%
Mapfre Sociedad Anonima	MAPe	11.13%

ZURICH TOP STOCKS

STOCK	UMTF	MARKET SHARE
Straumann Holding AG	STMNz	7.11%
Sika AG	SIKAz	6.36%
Sonova Holding AG	SOONz	5.95%
LafargeHolcim Ltd	HOLNz	5.94%
Zurich Insurance Group AG Ltd	ZURNz	5.86%

OSLO TOP STOCKS

STOCK	UMTF	MARKET SHARE
Subsea 7 S.A.	SUBCo	8.16%
Entra ASA	ENTRo	7.40%
Austevoll Seafood Asa	AUSSo	7.12%
Nel ASA	NELo	7.11%
Tomra Systems ASA	TOMo	7.03%

COPENHAGEN TOP STOCKS

STOCK	UMTF	MARKET SHARE
Topdanmark	TOPc	7.11%
ALK-Abello AS	ALKBc	6.75%
Carlsberg	CARLBc	6.54%
Pandora A/S	PNDORc	6.52%
Demant AS	DEMANc	6.47%

STOCKHOLM TOP STOCKS

STOCK	UMTF	MARKET SHARE
Atlas Copco AB	ATCOa	7.96%
Lundin Petroleum	LUPEs	7.40%
Boliden AB	BOLs	6.06%
Fastighets AB Balder	BALDBs	5.96%
Epiroc AB	EPIAs	5.94%

HELSINKI TOP STOCKS

STOCK	UMTF	MARKET SHARE
Sanoma Corporation	SAAIvh	9.13%
TietoEVRY Corporation	TIETOh	7.97%
Kemira Oyj	KEMIRh	7.81%
Metso Outotec Corporation	MOCORPH	7.09%
Wartsila Oyj Abp	WRTIVh	6.98%

BRUSSELS TOP STOCKS

STOCK	UMTF	MARKET SHARE
KBC Group SA NV	KBCb	8.70%
Cofinimmo	COFBb	7.57%
Warehousing & Distribution	WDPb	7.00%
Elia System Operator S.A. N.V.	ELIb	6.80%
Ackermans & Van Haaren	ACKBb	6.24%

VIENNA TOP STOCKS

STOCK	UMTF	MARKET SHARE
Vienna Insurance Group	VIGv	10.74%
Palfinger AG	PALv	8.07%
Uniq Insurance Group AG	UQAv	7.89%
CA Immobilien Anlagen AG	CALv	7.78%
OMV AG	OMVv	7.60%

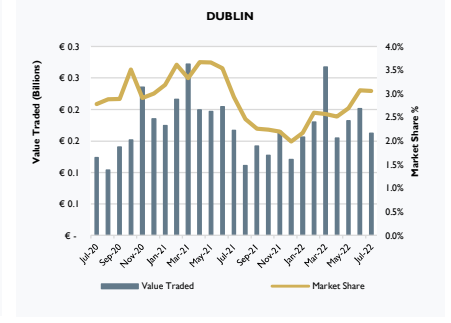
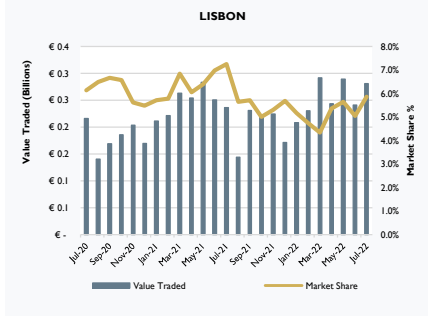
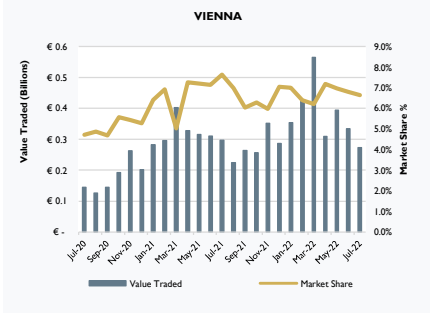
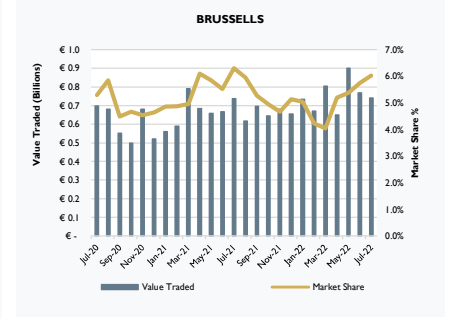
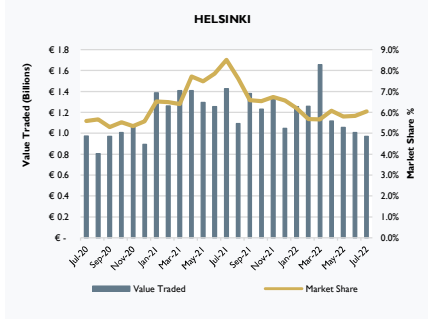
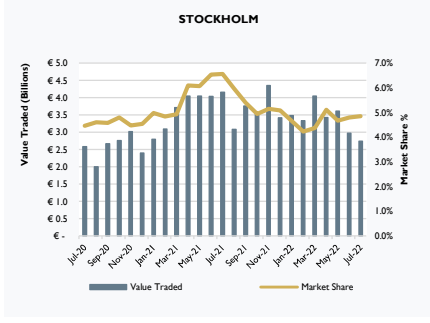
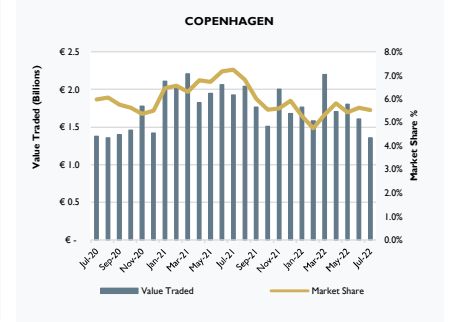
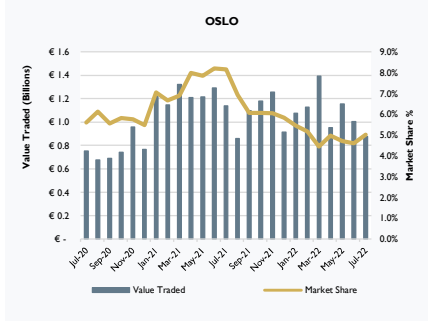
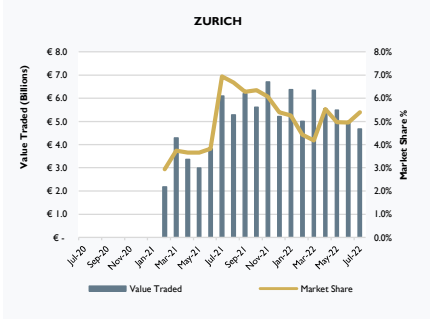
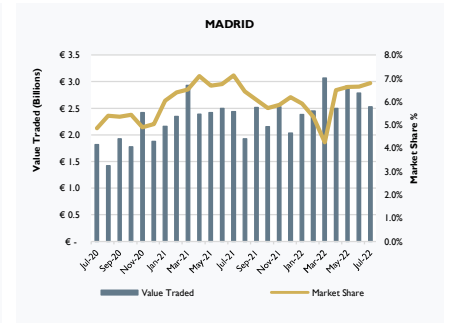
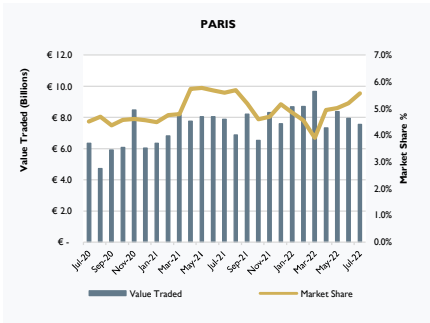
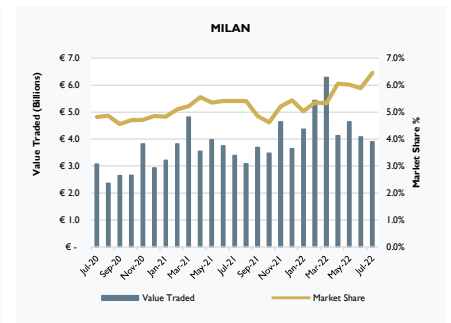
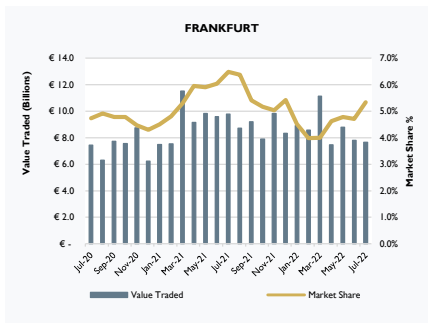
LISBON TOP STOCKS

STOCK	UMTF	MARKET SHARE
Ibersol - S.G.P.S., S.A.	IBSu	17.43%
Corticeira Amorim - S.G.P.S.	CORu	11.85%
Redes Energeticas Nacionais	RENEu	11.20%
Jeronimo Martins - S.G.P.S.	JMTu	7.81%
Sonae S.G.P.S. S.A.	SONu	7.28%

DUBLIN TOP STOCKS

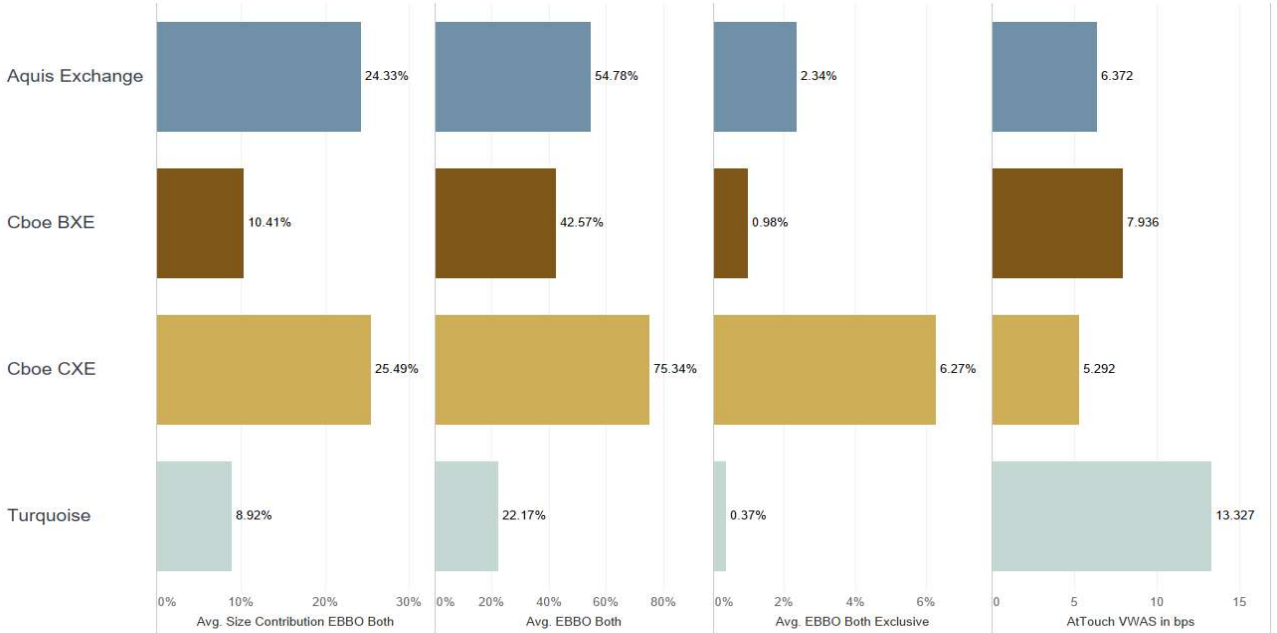
STOCK	UMTF	MARKET SHARE
Glenveagh Properties Plc	GVRi	7.48%
Irish Continental Group Plc	IR5Bi	5.89%
Dalata Hotel Group Plc	DHGi	5.13%
AIB Group Plc	A5Gi	4.77%
Cairn Homes Plc	C5Hi	4.54%

HISTORICAL MARKET SHARE AND VOLUME PER MARKET

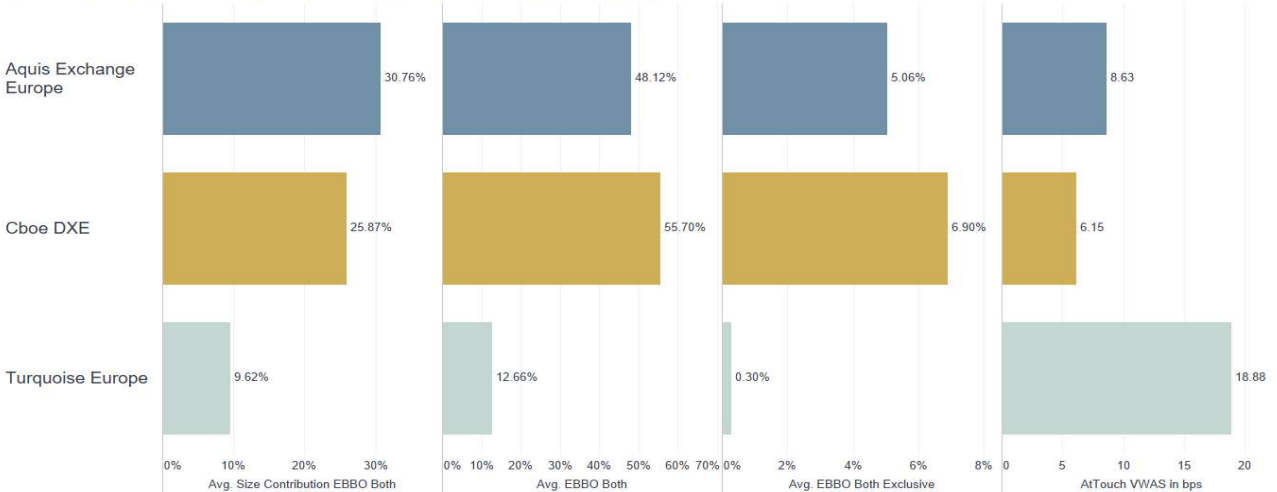


QUALITY OF AVAILABLE LIQUIDITY PER VENUE

Average Size Contribution vs Average Liquidity at Touch vs Presence for the UK 100 and Swiss 20



Average Size Contribution vs Average Liquidity at Touch vs Presence for European Indices



Big xyt definitions:

- **Size contribution EBBO both** Ratio between the cumulative bid and ask sizes at a given exchange and the cumulative EBB and EBO sizes (contribution of BO size at a given exchange to overall EBBO size). Bid has to be equal to the EBB and ask equal to the EBO. For daily aggregation the ratio is weighed by time.
- **Presence EBBO Both** % calculates the percentage of time (in millisecond resolution) that particular exchange has both bid and ask not worse than corresponding products/exchanges in the relation to time period that combined bid and ask across all exchanges (EBBO) exists.
- **Presence EBBO Both Exclusive** % calculates the percentage of time period (in millisecond resolution) that a particular exchange has both bid and ask not worse than corresponding products/exchanges and additionally either bid or ask is on the best level. Metric is calculated in the relation to the time period that combined bid and ask across all exchanges (EBBO) exists.
- **Spread at Touch** calculates the observed bid-offer spread of every single quote (BBO). This spread is a relative measure in relation to the mid price expressed in basis points (0.01%).

