

MONTHLY STATISTICS: MARCH 2022

SUMMARY

Market Share				
	VALUE TRADED		ADV	% CHANGE OF ADV
Total Value Traded:	€	66,137,567,756	€ 2,875,546,424	8%
Auction on Demand:	€	534,965,243	€ 23,259,358	8%
Market at Close:	€	15,524,865,461	€ 674,994,150	0%
Benchmark Cross:	€	1,130,956,055	€ 49,172,002	50%

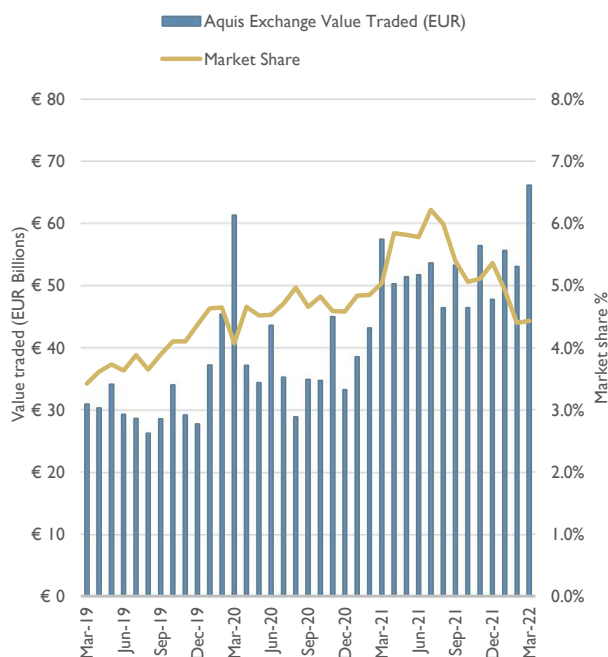
MONTHLY TOP STOCKS BY MARKET SHARE

STOCK	UMTF	MARKET SHARE
S IMMO AG	SPIv	12.94%
Avast PLC	AVSTI	11.38%
Catalana Occidente	GCOe	10.96%
Heineken Holdings	HEIOa	10.94%
Vienna Insurance Group	VIGv	10.89%
Sanoma Corporation	SAAIvH	10.88%
Corporacion Financiera Alba	ALBe	10.46%
Ebro Foods S.A	EBROe	10.45%
Nexi S.p.A.	NEXIm	9.90%
Oesterreichische Post AG	POSTv	9.55%

MONTHLY TOP STOCKS BY VALUE TRADED

STOCK	UMTF	VALUE TRADED	MARKET SHARE
ASML Holding NV	ASMLa	€ 818,306,489	4.02%
Intesa Sanpaolo Spa	ISPM	€ 755,550,812	6.82%
TotalEnergies SE	TTEp	€ 749,896,288	4.28%
Shell Plc	SHELL	€ 744,247,590	5.51%
Nestle SA	NESNz	€ 731,548,202	4.38%
Shell Plc	SHELLa	€ 634,029,124	4.96%
Unicredit Spa	UCGm	€ 622,709,418	5.79%
Roche Holding AG	ROGz	€ 622,544,114	4.06%
LVMH SE	MCP	€ 609,332,873	4.20%
Glencore plc	GLENI	€ 600,867,745	5.74%
Eni Spa	ENIm	€ 521,977,825	5.87%
Novartis AG	NOVNz	€ 506,381,983	3.83%
Enel Spa	ENELm	€ 499,549,487	6.26%
Novo Nordisk	NOVOBc	€ 489,937,178	13.09%
BNP Paribas	BNPp	€ 481,474,475	4.26%

VALUE TRADED PER MONTH



TRADING BY MARKET

MARKET	VALUE TRADED	MARKET SHARE
London	€ 13,337,278,063	4.98%
Frankfurt	€ 11,147,603,991	4.00%
Paris	€ 9,660,598,580	3.90%
Zurich	€ 6,356,199,720	4.18%
Milan	€ 6,300,379,146	5.33%
Amsterdam	€ 5,042,431,038	3.93%
Stockholm	€ 4,045,957,617	4.36%
Madrid	€ 3,072,075,291	4.25%
Copenhagen	€ 2,196,935,400	5.32%
Helsinki	€ 1,657,519,936	4.45%
Oslo	€ 1,392,127,285	4.45%
Brussels	€ 803,899,065	4.05%
Vienna	€ 564,735,263	6.20%
Lisbon	€ 292,011,790	4.34%
Dublin	€ 267,815,570	2.57%

MONTHLY TOP 5 SECURITIES BY MARKET SHARE PER MARKET

LONDON TOP STOCKS

STOCK	UMTF	MARKET SHARE
Avast PLC	AVSTI	11.38%
Halma plc	HLMAI	8.27%
Rentokil Initial	RTOI	7.83%
M&G Plc	MNGI	7.39%
Segro Plc	SGROI	7.27%

FRANKFURT TOP STOCKS

STOCK	UMTF	MARKET SHARE
Evonik Industries AG	EVKd	6.04%
Henkel AG & Co. KGAA	HEN3d	5.85%
Symrise AG	SY1d	5.48%
Carl Zeiss Meditec A G	AFXd	5.47%
Beiersdorf AG	BEId	5.44%

MILAN TOP STOCKS

STOCK	UMTF	MARKET SHARE
Nexi S.p.A.	NEXIm	9.90%
Pirelli & C. S.p.A.	PIRCm	8.00%
Recordati - Industria Chimica Spa	RECM	7.87%
Infrastructure Wireless S.p.A.	INWm	7.84%
Exor N.V.	EXOm	7.59%

PARIS TOP STOCKS

STOCK	UMTF	MARKET SHARE
Biomerieux	BIMp	6.22%
Amundi	AMUNp	5.84%
Worldline	WLNp	5.40%
Axa	CSp	5.10%
Thales S.A.	HOOp	5.04%

AMSTERDAM TOP STOCKS

STOCK	UMTF	MARKET SHARE
Heineken Holdings	HEIOa	10.94%
Prosus NV	PRXa	6.33%
Hal Trust	HALa	5.49%
Just Eat Takeaway.com N.V.	TKWYa	4.47%
Universal Music Group N.V.	UMGa	4.29%

MADRID TOP STOCKS

STOCK	UMTF	MARKET SHARE
Catalana Occidente	GCOe	10.96%
Corporacion Financiera Alba	ALBe	10.46%
Ebro Foods S.A.	EBROe	10.45%
Zardoya Otis	ZOTe	8.79%
Viscofan	VISe	7.95%

ZURICH TOP STOCKS

STOCK	UMTF	MARKET SHARE
Straumann Holding AG	STMNz	5.21%
Alcon Inc.	ALCz	4.76%
Compagnie financiere SA	CFRz	4.72%
Zurich Insurance Group AG Ltd	ZURNz	4.63%
Nestle SA	NESNz	4.38%

OSLO TOP STOCKS

STOCK	UMTF	MARKET SHARE
Aker BP ASA	AKRBPO	6.83%
Nel ASA	NELo	6.43%
SpareBank 1 SR-Bank ASA	SRBNKo	6.27%
Golden Ocean Group Limited	GOGLo	6.23%
Tomra Systems	TOMo	5.84%

COPENHAGEN TOP STOCKS

STOCK	UMTF	MARKET SHARE
Vestas Wind Systems AS	VWSc	6.50%
DSV Panalpina AS	DSVc	6.02%
Novozymes AS	NZYMBc	5.95%
Novo Nordisk	NOVOBc	5.82%
Coloplast AS	COLOBc	5.61%

STOCKHOLM TOP STOCKS

STOCK	UMTF	MARKET SHARE
Investor AB	INVEBs	6.42%
Essity Aktiebolag	ESSIBs	6.32%
Atlas Copco AB	ATCOAs	6.08%
Lundin Petroleum	LUPEs	5.89%
Assa Abloy AB	ASSABs	5.83%

HELSINKI TOP STOCKS

STOCK	UMTF	MARKET SHARE
Sanoma Corporation	SAAIvH	10.88%
TietoEVRY Corporation	TIETOh	7.95%
Kemira Oyj	KEMIRh	7.14%
Konecranes Plc	KCRh	7.14%
Sampo Plc	SAMPOh	6.80%

BRUSSELS TOP STOCKS

STOCK	UMTF	MARKET SHARE
Cofinimmo	COFBb	6.43%
Argen X SE	ARGXb	5.52%
Sofina	SOFb	4.84%
Warehousing & Distribution	WDPb	4.70%
Solvay SA	SOLBb	4.53%

VIENNA TOP STOCKS

STOCK	UMTF	MARKET SHARE
S IMMO AG	SPIv	12.94%
Vienna Insurance Group	VIGv	10.89%
Oesterreichische Post AG	POSTv	9.55%
Mayr-Melnhof Karton AG	MMKv	7.73%
Uniqi Insurance Group AG	UQAv	7.49%

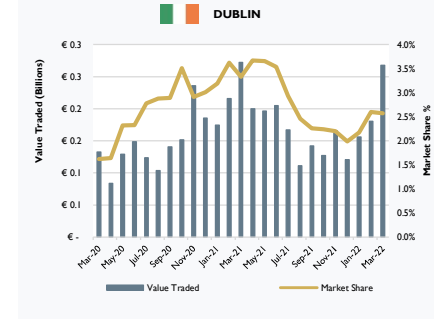
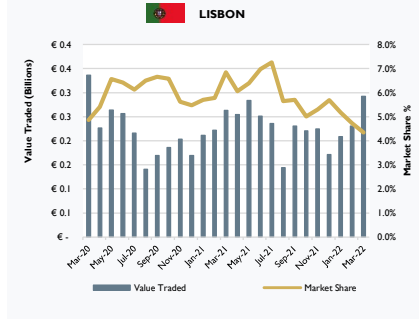
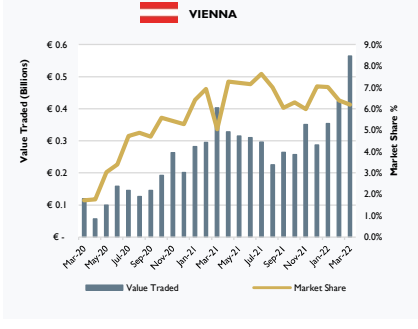
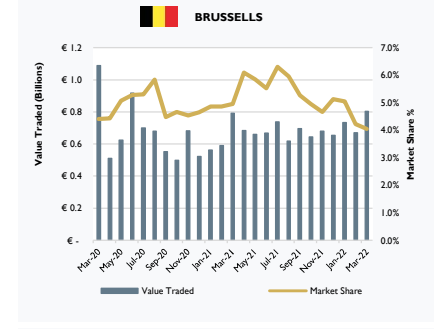
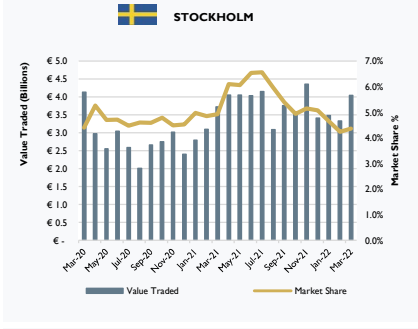
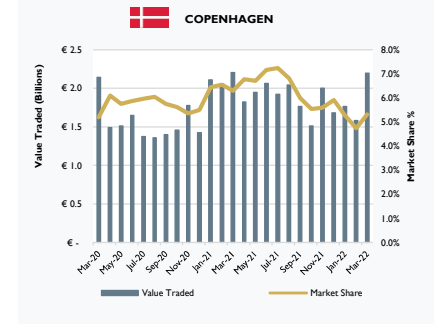
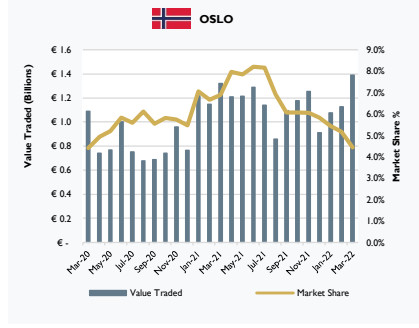
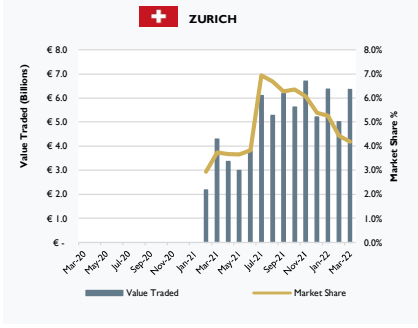
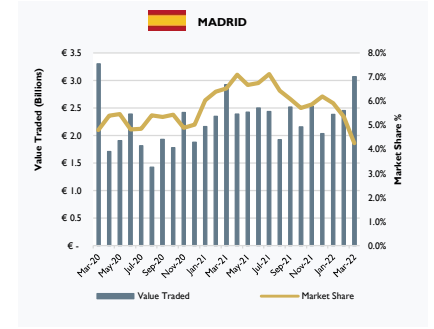
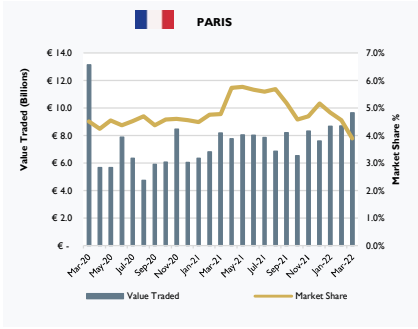
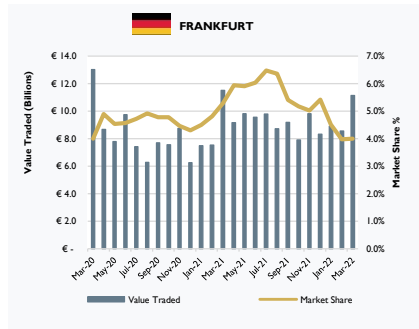
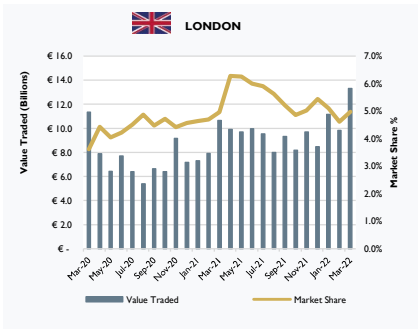
LISBON TOP STOCKS

STOCK	UMTF	MARKET SHARE
Redes Energeticas Nacionais SA	RENEu	10.85%
Ibersol - S.G.P.S., S.A.	IBSu	8.76%
Corticeira Amorim S.A.	CORu	8.00%
Greenvolt - Energias S.A	GVOLTu	7.63%
EDP Renovaveis S.A.	EDPRu	5.51%

DUBLIN TOP STOCKS

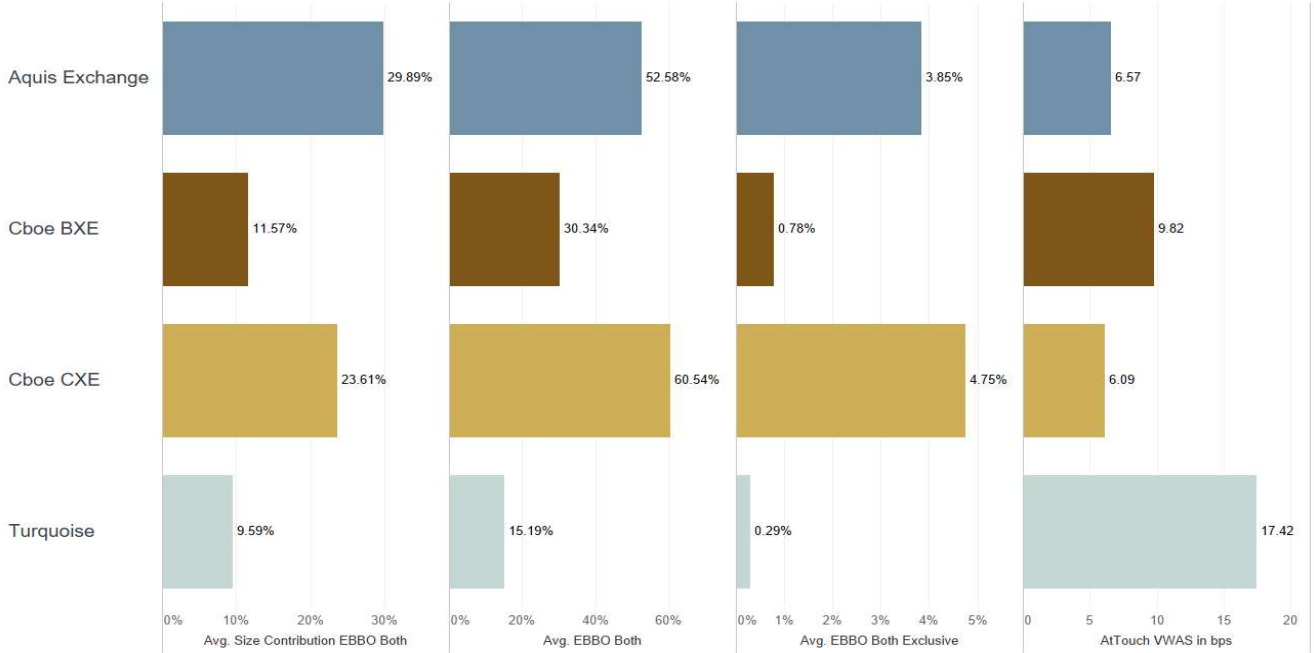
STOCK	UMTF	MARKET SHARE
Glenveagh Properties Plc	GVRi	8.96%
Dalata Hotel Group Plc	DHGi	5.02%
Irish Residential Properties Plc	IRESi	4.30%
Irish Continental Group Plc	IR5Bi	4.20%
Cairn Homes Plc	C5Hi	3.52%

HISTORICAL MARKET SHARE AND VOLUME PER MARKET

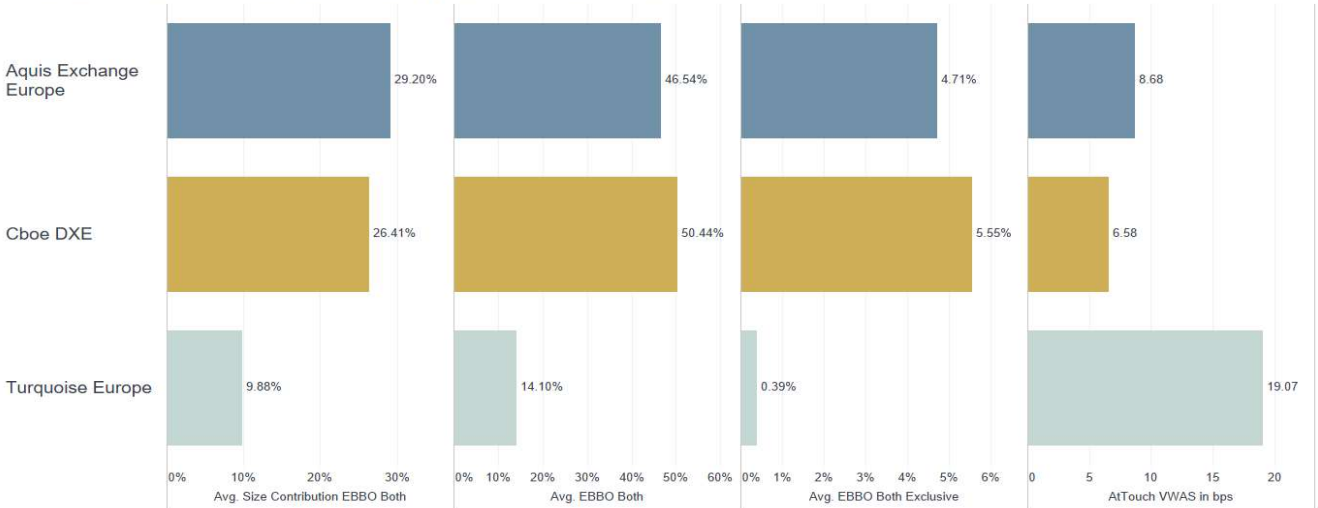


QUALITY OF AVAILABLE LIQUIDITY PER VENUE

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%).

