

### MONTHLY STATISTICS: APRIL 2022

#### SUMMARY

Market Share		5.30%		
	VALUE TRADED	ADV	% CHANGE OF ADV	
<b>Total Value Traded:</b>	€ 49,569,793,123	€ 2,608,936,480	-9%	
<b>Auction on Demand:</b>	€ 351,147,125	€ 18,481,428	-21%	
<b>Aquis Matching Pool:</b>	€ 5,230,053,107	€ 275,265,953	-27%	
<b>Market at Close:</b>	€ 11,528,263,218	€ 606,750,696	-10%	
<b>Benchmark Cross:</b>	€ 609,270,137	€ 32,066,849	-35%	

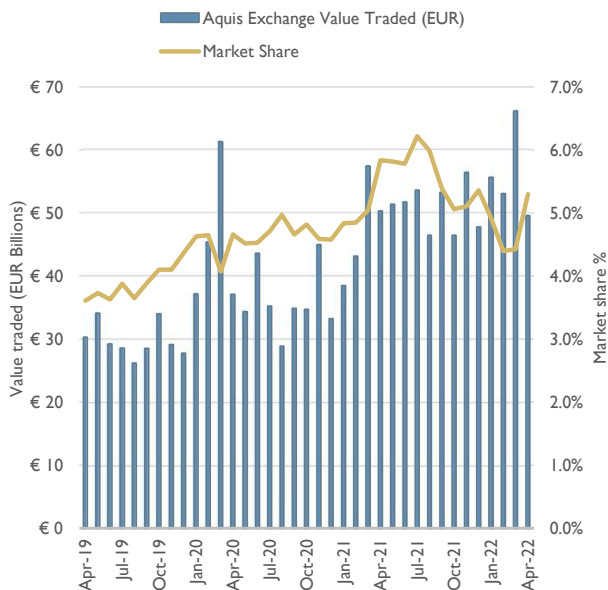
#### MONTHLY TOP STOCKS BY MARKET SHARE

STOCK	UMTF	MARKET SHARE
Catalana Occidente	GCOe	17.07%
S IMMO AG	SPIv	14.00%
Vienna Insurance Group	VIGv	13.97%
Immofinanz AG	IIAv	13.28%
Corporacion Financiera Alba	ALBe	12.85%
Wise Plc	WISE	12.66%
Oesterreichische Post AG	POSTv	12.34%
Infrastructure Wireless Italiana S.p.A	INWm	12.23%
Sanoma Corporation	SAAI Vh	12.00%
Schroders	SDRI	11.43%

#### MONTHLY TOP STOCKS BY VALUE TRADED

STOCK	UMTF	VALUE TRADED	MARKET SHARE
Nestle SA	NESNz	€ 807,421,952	6.76%
Roche Holding AG	ROGz	€ 792,105,141	6.90%
ASML Holding NV	ASMLa	€ 640,415,628	5.00%
Sanofi	SANp	€ 521,746,098	6.45%
Novo Nordisk	NOVOBc	€ 445,566,615	6.33%
Glencore plc	GLENI	€ 441,736,113	7.19%
Astrazeneca plc	AZNI	€ 437,459,695	5.83%
Novartis AG	NOVNz	€ 431,779,195	4.38%
LVMH SE	MCp	€ 419,724,557	4.99%
TotalEnergies SE	TTEp	€ 417,000,159	5.08%
Shell Plc	SHELl	€ 373,594,799	4.47%
Iberdrola S.A.	IBEe	€ 343,120,467	7.52%
Glaxosmithkline plc	GSKI	€ 317,440,322	6.41%
BNP Paribas	BNPp	€ 313,291,928	4.90%
Anglo American plc	AALI	€ 309,245,550	6.26%

#### VALUE TRADED PER MONTH



#### TRADING BY MARKET

MARKET	VALUE TRADED	MARKET SHARE
London	€ 10,382,012,661	5.90%
Frankfurt	€ 7,465,971,910	4.62%
Paris	€ 7,330,624,612	4.95%
Zurich	€ 5,545,957,424	5.53%
Milan	€ 4,138,590,754	6.05%
Amsterdam	€ 3,488,188,473	4.51%
Stockholm	€ 3,426,957,135	5.11%
Madrid	€ 2,499,730,687	6.50%
Copenhagen	€ 1,703,560,026	5.82%
Helsinki	€ 1,117,594,687	6.07%
Oslo	€ 952,304,852	4.97%
Brussels	€ 648,866,891	5.20%
Vienna	€ 310,175,247	7.19%
Lisbon	€ 243,296,634	5.36%
Dublin	€ 155,114,195	2.52%

## MONTHLY TOP 5 SECURITIES BY MARKET SHARE PER MARKET

### LONDON TOP STOCKS

STOCK	UMTF	MARKET SHARE
Wise Plc	WISEI	12.66%
Schroders	SDRI	11.43%
Severn Trent plc	SVTI	9.80%
Ocado Group Plc	OCDOI	9.54%
St. James's Place Plc	STJI	9.08%

### FRANKFURT TOP STOCKS

STOCK	UMTF	MARKET SHARE
Henkel AG & Co. KGAA	HEN3d	8.43%
Zalando SE	ZALd	7.65%
Evonik Industries AG	EVKd	7.58%
Symrise AG	SY1d	7.05%
Knorr-Bremse AG	KBXd	6.67%

### MILAN TOP STOCKS

STOCK	UMTF	MARKET SHARE
Infrastructure Wireless Italiana	INWm	12.23%
Hera Spa	HERm	11.29%
Italgas S.p.A	IGm	10.11%
Prysmian S.p.A	PRYm	9.98%
Interpump Group Spa	IPm	9.91%

### PARIS TOP STOCKS

STOCK	UMTF	MARKET SHARE
Thales S.A.	HOp	7.17%
EssilorLuxottica	ELp	6.69%
Sanofi	SANp	6.45%
Amundi	AMUNp	6.42%
Bolloré.	BOLp	6.33%

### AMSTERDAM TOP STOCKS

STOCK	UMTF	MARKET SHARE
Heineken Holdings	HEIOa	10.94%
Prosus NV	PRXa	7.18%
Hal Trust	HALa	5.55%
Signify NV	LIGHTa	5.33%
Akzo Nobel N.V.	AKZAa	5.32%

### MADRID TOP STOCKS

STOCK	UMTF	MARKET SHARE
Catalana Occidente	GCOe	17.07%
Corporacion Financiera Alba	ALBe	12.85%
Vidrala S.A.	VIDe	10.64%
Laboratorios Farmaceuticos S.A.	ROVle	10.12%
Viscofan	VISe	9.33%

### ZURICH TOP STOCKS

STOCK	UMTF	MARKET SHARE
Roche Holding AG	ROGz	6.90%
Nestlé SA	NESNz	6.76%
Zurich Insurance Group AG Ltd	ZURNz	6.02%
Compagnie financière	CFRz	5.72%
Alcon Inc.	ALCz	5.67%

### OSLO TOP STOCKS

STOCK	UMTF	MARKET SHARE
Telenor ASA	TELo	7.55%
Gjensidige Forsikring ASA	GJFo	7.30%
SpareBank 1 SR-Bank ASA	SRBNKo	7.23%
DNB Bank ASA	DNBo	7.02%
Leroy Seafood Group	LSGo	6.77%

### COPENHAGEN TOP STOCKS

STOCK	UMTF	MARKET SHARE
H. Lundbeck AS	LUNc	8.05%
Orsted A/S	ORSTEc	6.72%
Novo Nordisk	NOVOBc	6.33%
Tryg AS	TRYGc	6.22%
Topdanmark	TOPc	6.22%

### STOCKHOLM TOP STOCKS

STOCK	UMTF	MARKET SHARE
Swedbank AB	SWEDAs	7.07%
Essity Aktiebolag (publ)	ESSIBs	6.86%
Atlas Copco AB	ATCOAs	6.85%
Volvo AB	VOLVBs	6.49%
Nibe Industrier AB	NIBEBs	6.45%

### HELSINKI TOP STOCKS

STOCK	UMTF	MARKET SHARE
Sanoma Corporation	SAAIvh	12.00%
Kesko Oyj	KESKBh	8.80%
TietoEVRY Corporation	TIETOh	8.11%
Kemira Oyj	KEMIRh	7.92%
Kojamo Oyj	KOJAMOh	7.84%

### BRUSSELS TOP STOCKS

STOCK	UMTF	MARKET SHARE
Warehousing & Distribution	WDPb	7.02%
Argen X SE	ARGXb	6.60%
Proximus SA De Droit	PROXb	6.47%
Umicore	UMIb	5.86%
D'leteren	DIEb	5.86%

### VIENNA TOP STOCKS

STOCK	UMTF	MARKET SHARE
Vienna Insurance Group	VIGv	14.00%
S IMMO AG	SPIv	13.97%
Immofinanz AG	IIAv	13.28%
Oesterreichische Post AG	POSTv	12.34%
Mayr-Melnhof Karton AG	MMKv	11.22%

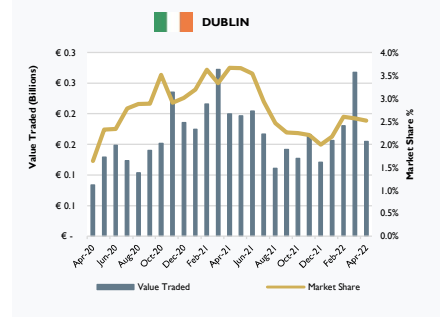
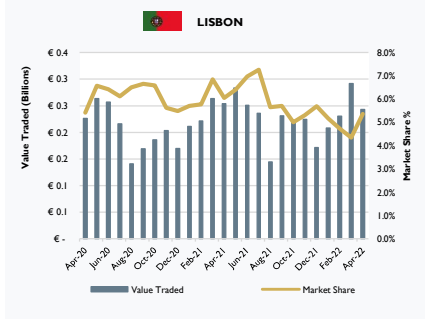
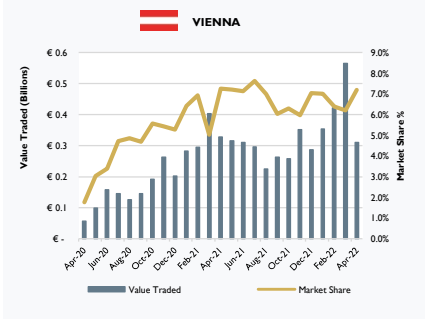
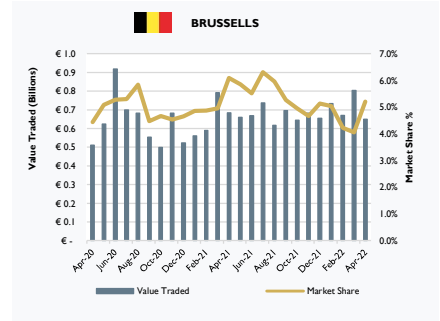
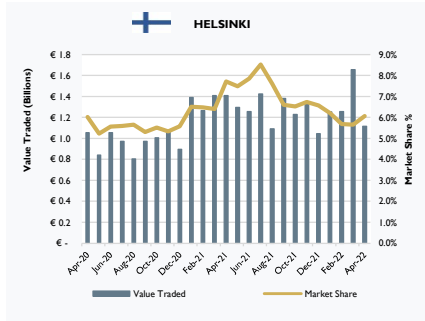
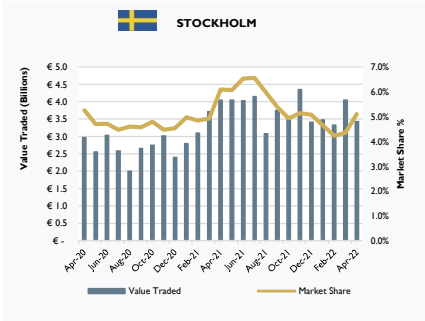
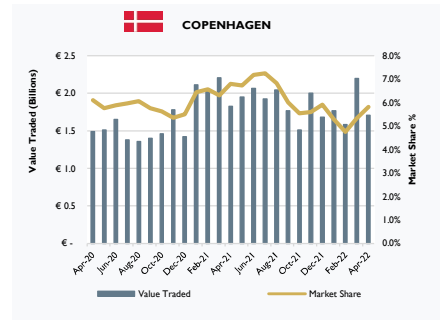
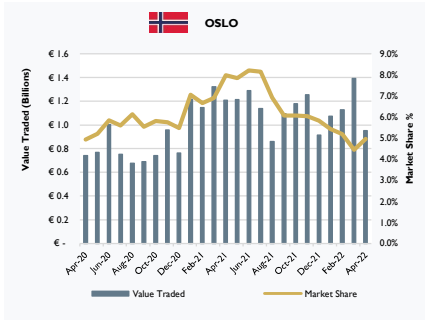
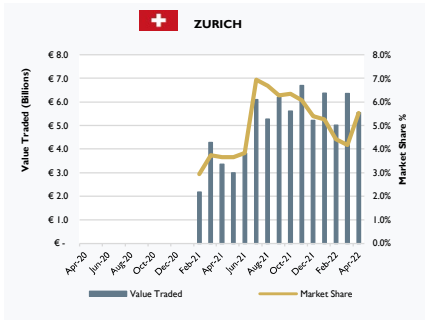
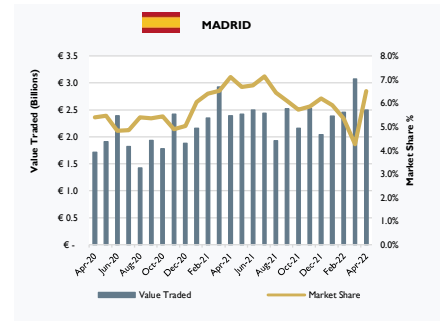
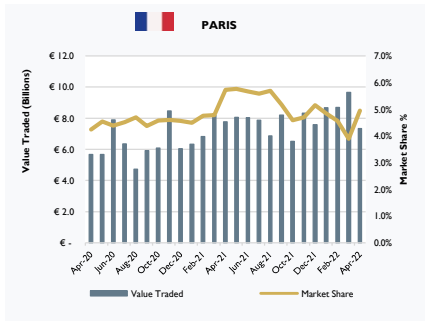
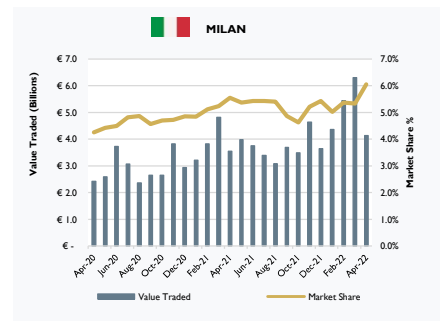
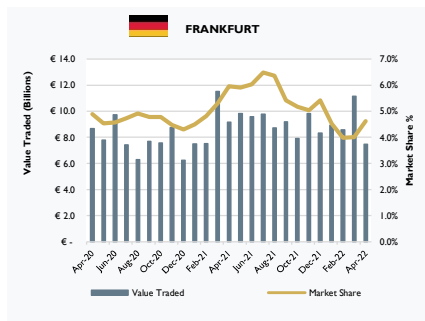
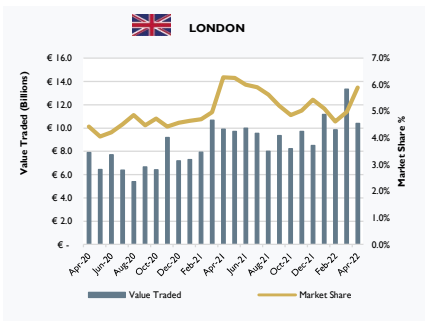
### LISBON TOP STOCKS

STOCK	UMTF	MARKET SHARE
Redes Energeticas Nacionais	RENEu	10.76%
Ibersol - S.G.P.S.	IBSu	10.37%
Greenvolt - Energias Renovaveis	GVOLTu	9.63%
Corticeira Amorim - S.G.P.S.	CORu	9.06%
Jeronimo Martins - S.G.P.S.	JMTu	8.04%

### DUBLIN TOP STOCKS

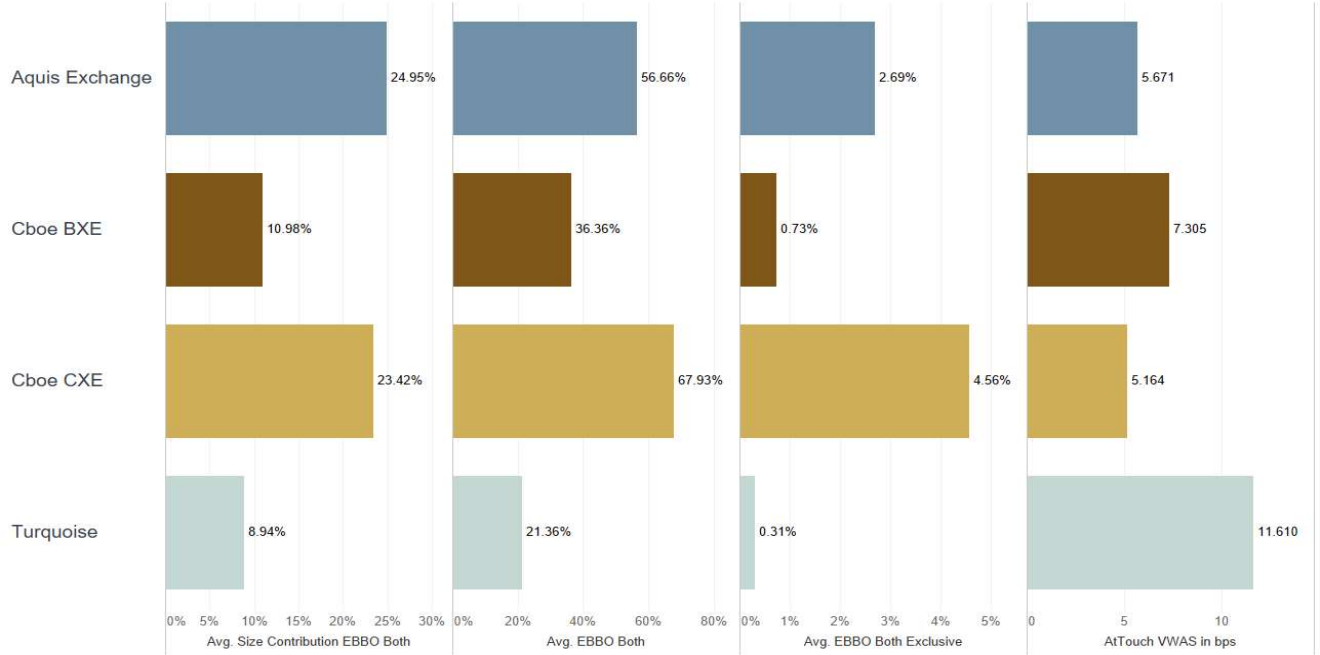
STOCK	UMTF	MARKET SHARE
Glenveagh Properties Plc	GVRi	6.66%
Irish Continental Group Plc	IR5Bi	6.26%
Irish Residential Properties REIT	IRESi	4.97%
Dalata Hotel Group Plc	DHGi	4.67%
Cairn Homes Plc	C5Hi	4.09%

### HISTORICAL MARKET SHARE AND VOLUME PER MARKET

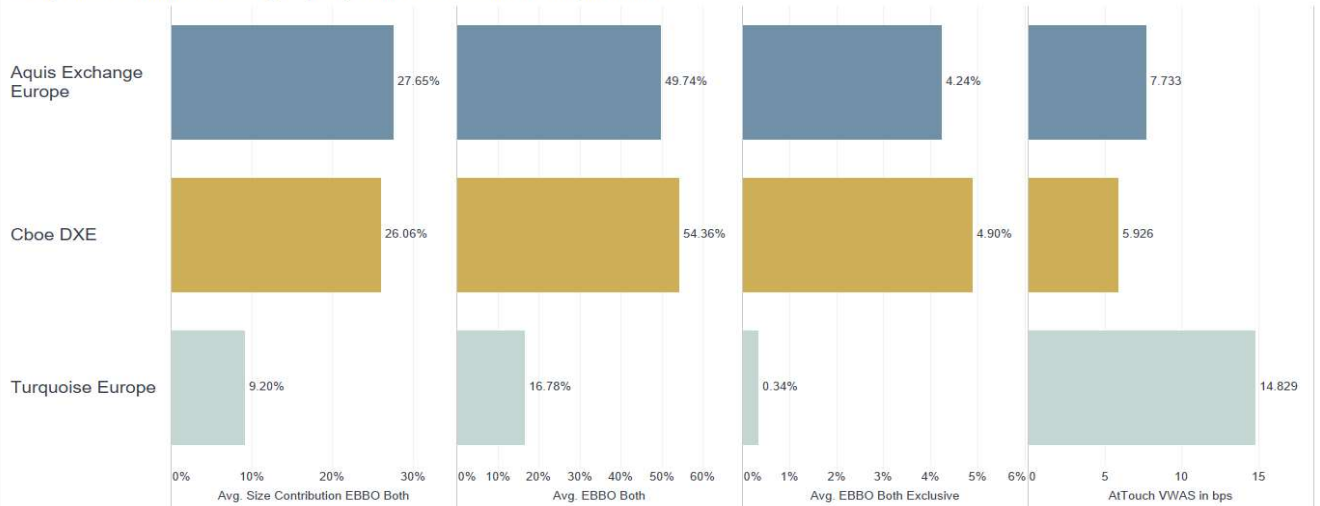


## QUALITY OF AVAILABLE LIQUIDITY PER VENUE

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%).

