

Aquis Exchange Monthly Statistics

Month:	Aug-21
Total value traded (EUR):	€ 46,449,425,156
Market Share (incl. Auctions)	5.99%
Auction on Demand value traded (EUR):	€ 379,060,071
Market at Close value traded (EUR):	€ 5,988,477,778
Benchmark Cross value traded (EUR)	€ 73,042,139

Monthly Top Stocks by Market Share

Stock	umtf	Market Share
Sanoma Corporation	SAA1Vh	19.96%
Kemira Oyj	KEMIRh	17.95%
Oesterreichische Post AG	POSTv	17.04%
TietoEVRY Corporation	TIETOh	14.48%
Zardoya Otis	ZOTe	13.77%
Neles Corporation	NELESh	12.95%
Iren Spa	IREm	12.89%
Ebro Foods S.A	EBROe	12.79%
SpareBank 1 SR-Bank ASA	SRBANKo	11.32%
Kojamo Oyj	KOJAMOh	11.28%

Monthly Top Stocks by Traded Volume

Stock	umtf	Market Share	Value Traded
Prosus NV	PRXa	6.74%	1,077,316,086
Lvmh Moet Hennessy Vuitton SE	MCp	6.33%	669,222,853
Roche Holding AG	ROGz	8.52%	656,269,466
ASML Holding NV	ASMLa	5.04%	637,792,625
Allianz SE	ALVd	6.81%	489,538,357
Novo Nordisk	NOVOBc	7.01%	483,933,939
Nestle SA	NESNz	5.63%	425,676,414
Astrazeneca plc	AZNI	5.79%	374,022,552
Stellantis N.V	STLAM	5.55%	372,833,280
Rio Tinto plc	RIOI	7.28%	354,361,828
TotalEnergies SE	TTEp	5.87%	339,191,474
Novartis AG	NOVNz	5.63%	332,504,372
Royal Dutch Shell Plc	RDSAA	5.04%	318,374,761
BHP Group Plc	BHPI	6.57%	317,054,770
Sap SE	SAPd	6.08%	315,131,748

UK Top Stocks

Stock	umtf	Market Share
Intermediate Capital Group	ICPI	9.13%
3i Group plc	IIII	8.68%
M&G Plc	MNGI	8.39%
Evraz Plc	EVRI	8.09%
JD Sports Fashion plc.	JDI	7.90%

Italian Top Stocks

Stock	umtf	Market Share
Iren Spa	IREm	12.89%
ERG Eolica Campania S.p.A	ERGm	10.13%
Interpump Group Spa	IPm	9.80%
De Longhi	DLGm	9.50%
Davide Campari	CPRm	8.85%

Dutch Top Stocks

Stock	umtf	Market Share
Heineken Holdings	HEIOa	10.94%
Koninklijke DSM N.V.	DSMa	8.43%
Randstad NV	RANDa	7.10%
Prosus NV	PRXa	6.74%
IMCD N.V.	IMCDa	6.61%

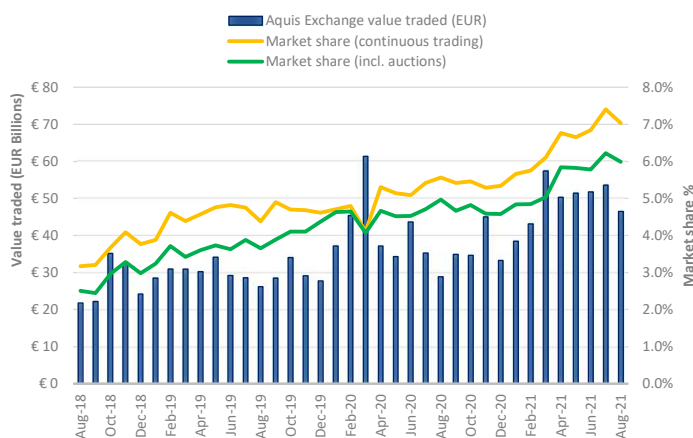
Swiss Top Stocks

Stock	umtf	Market Share
Straumann Holding AG	STMNz	10.13%
Roche Holding AG	ROGz	8.52%
Geberit AG	GEBNz	7.67%
Alcon Inc.	ALCz	7.60%
SGS AG	SGSNz	7.32%

Swedish Top Stocks

Stock	umtf	Market Share
Industrivarden, AB	INDUAs	8.93%
Fastighets AB Balder	BALDBs	8.55%
Telefonaktiebolaget L M Ericsson	ERICBs	8.35%
Epiroc AB	EPIAs	7.94%
ICA Gruppen AB	ICAs	7.77%

AQUIS EXCHANGE VALUE TRADED PER MONTH



Trading by Market

Market	Market Share	Value Traded
Frankfurt	6.37%	€ 8,721,386,575
London	5.63%	€ 8,006,612,210
Paris	5.69%	€ 6,867,658,900
Zurich	6.68%	€ 5,276,117,705
Amsterdam	5.26%	€ 4,389,309,843
Stockholm	5.96%	€ 3,086,405,601
Milan	5.41%	€ 3,085,258,598
Copenhagen	6.82%	€ 2,041,777,659
Madrid	6.44%	€ 1,925,022,657
Helsinki	7.61%	€ 1,093,336,249
Oslo	6.92%	€ 859,522,562
Brussels	5.96%	€ 616,843,665
Vienna	6.99%	€ 224,951,196
Lisbon	5.65%	€ 144,126,008
Dublin	2.46%	€ 111,095,727

German Top Stocks

Stock	umtf	Market Share
Knorr-Bremse AG	KBXd	9.53%
Hannover Ruck SE	HNR1d	9.20%
Zalando SE	ZALd	9.06%
Beiersdorf AG	BEId	8.44%
Siemens Healthineers AG	SHLd	8.27%

French Top Stocks

Stock	umtf	Market Share
Amundi	AMUNp	10.69%
Hermes International	RMSp	9.08%
Sartorius Stedim Biotech S.A.	DIMp	7.39%
Teleperformance	TEPp	7.23%
Legrand SA	LRp	7.08%

Spanish Top Stocks

Stock	umtf	Market Share
Zardoya Otis	ZOTe	13.77%
Ebro Foods S.A	EBROe	12.79%
Catalana Occidente	GCOe	11.05%
Viscofan	VISE	10.72%
Siemens Gamesa Renewable Energy SA	SGREe	10.09%

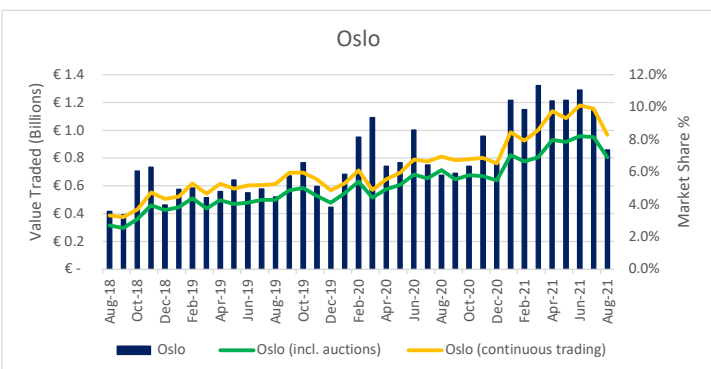
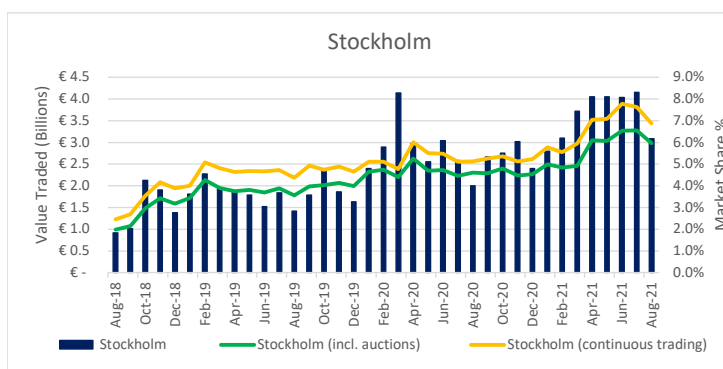
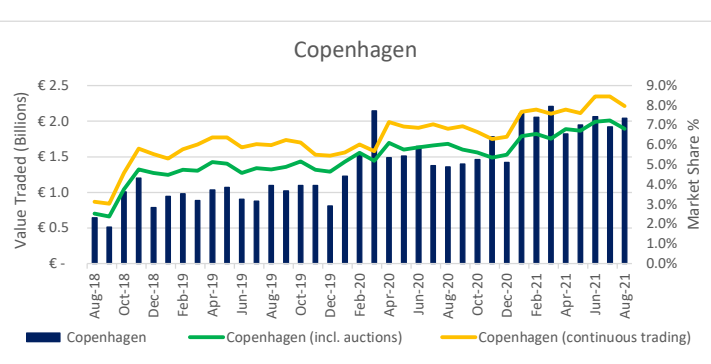
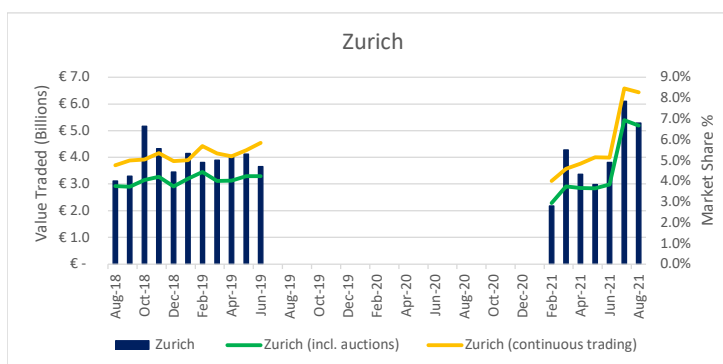
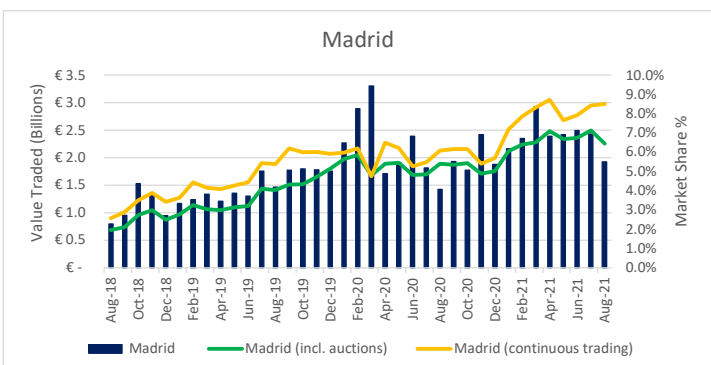
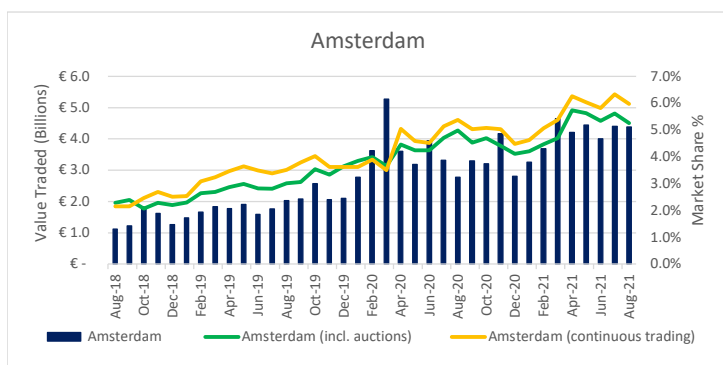
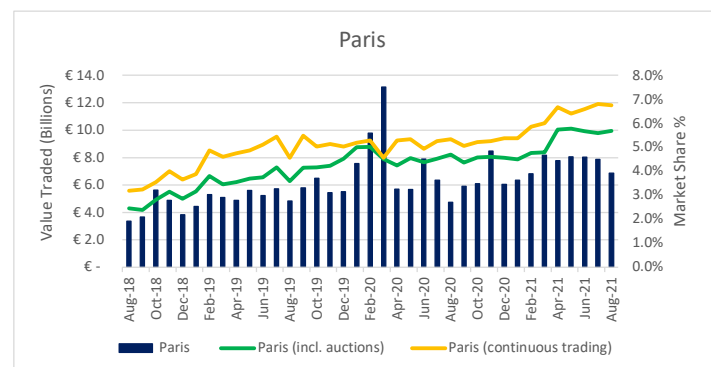
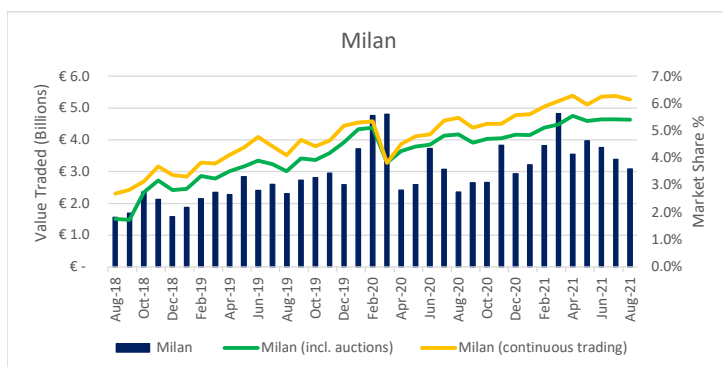
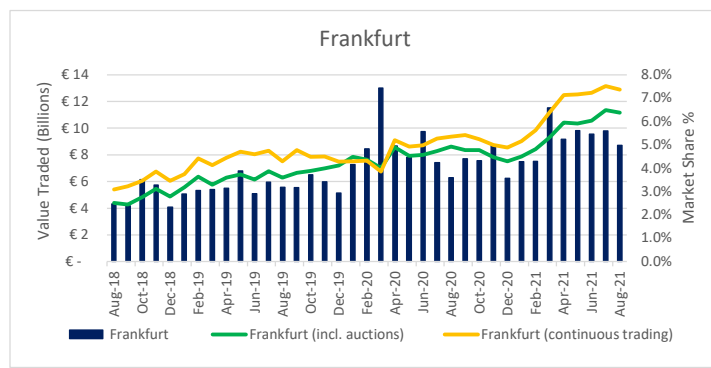
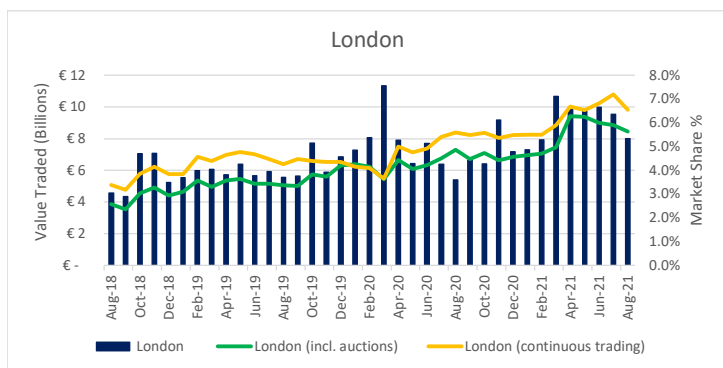
Danish Top Stocks

Stock	umtf	Market Share
Topdanmark	TOPc	10.92%
ALK-Abello AS	ALKBc	10.79%
Carlsberg	CARLBc	9.42%
DSV Panalpina AS	DSVc	8.73%
Rockwool International	ROCKBc	8.54%

Norway Top Stocks

Stock	umtf	Market Share
Schibsted ASA	SCHBo	12.33%
SpareBank 1 SR-Bank ASA	SRBNKo	11.32%
Nel ASA	NELo	10.94%
Kongsberg Gruppen ASA	KOGGo	10.92%
Leroy Seafood Group	LSGo	9.84%

Historical Market Share and Volume per Market

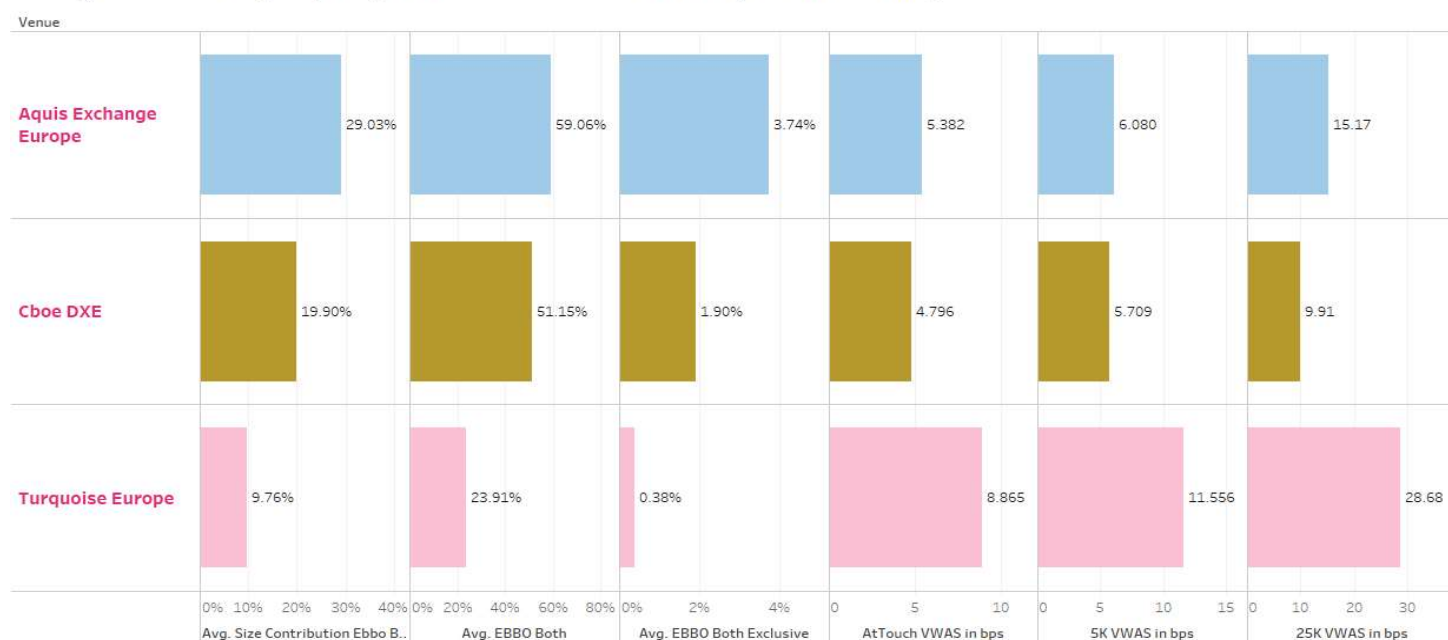


Quality of Liquidity Stats per Venue

Average Size Contribution vs Average Liquidity at Touch vs Presence for the FTSE100 and CH20 August 2021



Average Size vs Average Liquidity at Touch vs Presence for the Major EU Indices August 2021



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%).
- **Effective Spread** simulates a sell and buy market order of a given order size executed at every single state of the order book, i.e. this simulation is performed tick-by-tick (the simulation is executed based on the

Aquis Stock Exchange Monthly Statistics

Market		Value Traded	Total Trades
AQSE Apex (~20 AQSE securities)		£ 15,443,222	2,206
AQSE Access (~60 AQSE securities)		£ 10,579,857	2,815
AQSE Trading (+650 Non-AQSE secondary traded securities)		£ 548,888,040	77,309

Top 8 Traded AQSE Growth Securities	RIC	Value Traded	Total Trades
KR1 Plc	KR1	£ 11,480,526	1,401
Valereum Blockchain Plc	VLRM	£ 3,047,499	989
Oscillate plc	MUSH	£ 1,686,834	294
Shepherd Neame Ltd	SHEP	£ 1,469,056	67
NFT Investments PLC	NFT	£ 1,121,422	114
Love Hemp Group PLC	LIFE	£ 1,099,558	395
CADENCE MINERALS PLC	KDNC	£ 610,575	176
S-Ventures Plc	SVEN	£ 575,287	10

