

Cboe LIS*: Powered by BIDS

*Cboe LIS is operated by Cboe Europe Equities. BIDS offers connectivity to Cboe LIS via BIDS Trader.



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DECEMBER 2021 TRADING STATISTICS

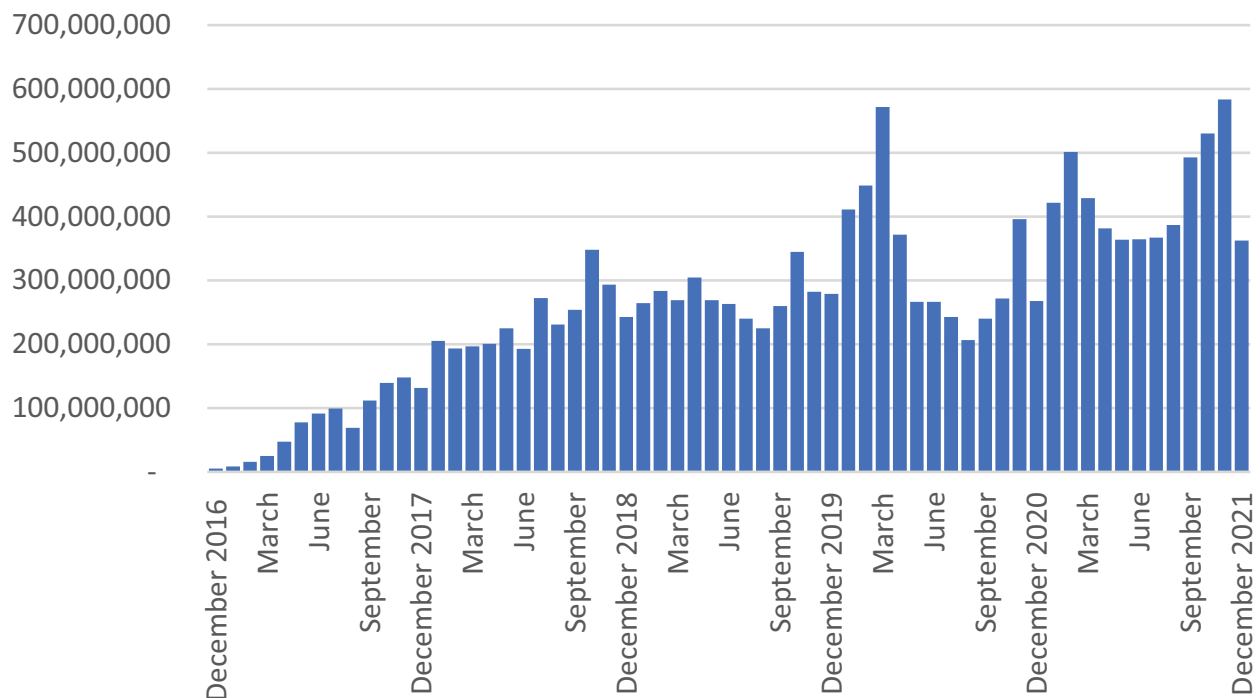
Total Traded Value	€8,333,900,832
Average Daily Value	€362,343,514
Average Trade Value (buy-side)	€1,186,820
Largest Trade	€36,477,264

Cboe LIS volume is available on the Cboe website at http://markets.cboe.com/europe/equities/market_statistics/.

Cboe LIS Growth in Volume

- 223 buy-side firms and 25 sell-side firms connected to Cboe LIS

€ Value Traded

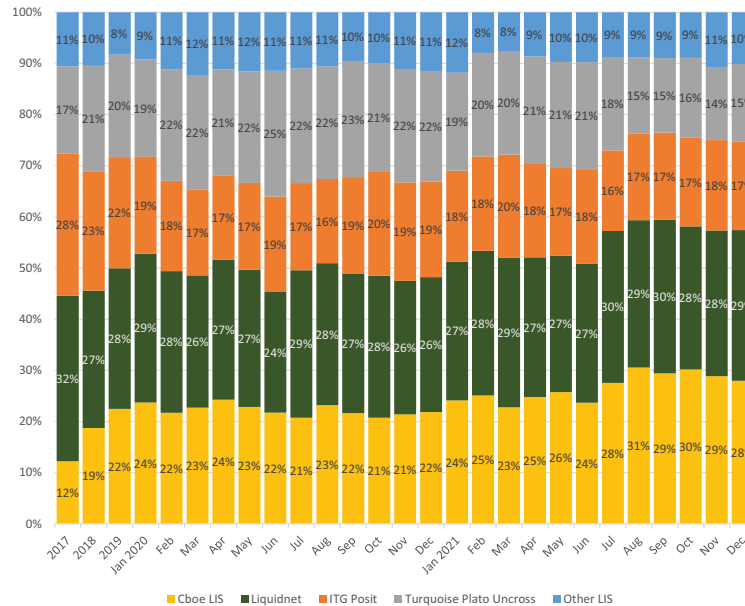


Market	Cboe LIS Value	Breakdown
London	1,964,793,320	23.58%
Paris	1,451,988,326	17.42%
Frankfurt	1,257,831,051	15.09%
Amsterdam	798,740,981	9.58%
Zurich	650,991,422	7.81%
Stockholm	573,664,745	6.88%
Madrid	391,627,396	4.70%
Milan	342,514,958	4.11%
Copenhagen	330,397,259	3.96%
Brussels	123,662,096	1.48%
Helsinki	120,032,104	1.44%
Dublin	115,279,478	1.38%
Oslo	114,353,645	1.37%
Vienna	53,771,186	0.65%
Lisbon	43,785,050	0.53%
Czech	467,814	0.01%

TRADE VALUE BY COUNTRY OF LISTING - DECEMBER 2021

SHARE OF MARKET WIDE LIS BY VENUE - DECEMBER 2021*

*Source of data: Big XYT, December 31, 2021



DESIGNATED BROKERS (EU-based Users)

- ABG Sundal Collier
- Baader Bank AG
- Bank of America Merrill Lynch
- Barclays Capital
- Cannacord Genuity
- Credit Suisse
- Danske Bank*
- DNB Bank ASA*
- Equita*
- Exane BNP Paribas
- Goldman Sachs
- HSBC
- Instinet Europe
- Jefferies
- JP Morgan Securities
- Kepler Cheuvreux
- Liquidnet
- Mediobanca*
- Metzler Bank*
- Morgan Stanley
- Nordea Bank AB*
- Oddo BHF
- RBC Europe Ltd.
- Redburn
- Sanford C. Bernstein Ltd.
- Societe Generale
- UBS
- Virtu ITG Europe

INTRODUCING BROKERS (US-based Users)

- ABG Sundal Collier
- Auerbach Grayson
- Baader Bank AG
- Bank of America Merrill Lynch
- Banco Santander S.A.
- Barclays
- Cabrera Capital Markets, LLC
- Credit Suisse
- DNB Markets
- Exane BNP
- Instinet
- Jefferies
- JP Morgan Securities
- Kepler Cheuvreux
- Mediobanca
- Mischler Financial Group
- Morgan Stanley
- Redburn
- Sanford C. Bernstein & Co, LLC
- UBS

INTEGRATION PARTNERS

- Advent Moxy
- Bloomberg EMSX
- Charles River Development
- Enfusion
- Eze Eclipse
- Fidessa Buy-side OMS
- FlexTrade's FlexTRADER
- InfoReach
- Instinet Newport
- ITG's Triton
- JP Morgan Neovest
- Linedata Longview & Trader+
- LiquidityBook LLC
- Macgregor XIP
- Portware
- SS&C Eze
- TradingScreen Inc.

*Availability limited to certain markets – please ask sales coverage for details.