

Single Stock Futures

December 2022



Product highlights

One Stop Shop SSF's

- Eurex has the largest offer of 840+ SSFs tradeable on one exchange

Volume Distribution

- Eurex provides high volumes – trade where the liquidity is
- Extensive use of international underlying countries
- The majority of SSF volume is executed via Eurex Trade Entry Services (“TES”)

Country Segments Development

- France, Germany, Spain and Switzerland

Harmonized Contract Specifications & Trade Entry Services

- TES enables block trade facilities, non-disclosure facilities, bulk load panel and flexible futures
- Eurex Trade Entry Services offer you trading anonymity with safety

Market Makers provide liquidity

- Currently, eight Market Makers are providing liquidity
- Market making rebates up to 80% for transactions

Fees cap

- The fees are capped at 3000 contracts per Block Trade
- Cash settlement and physical delivery fees for EUR, CHF and USD are capped at 3000 contracts

SSF Trading Opportunities

- Hedging, Leveraging, Pairs trading, 130/30 Strategy and Cash equitization

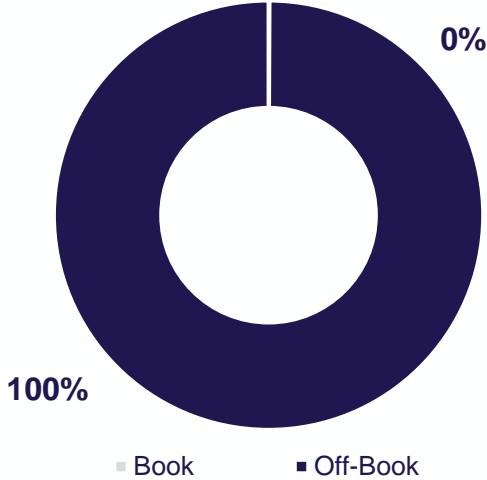
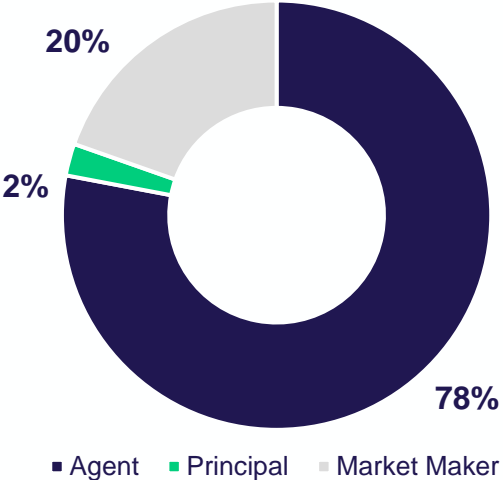
One Stop Shop SSF's

- **880+ Single Stock Futures** are Tradable at Eurex Exchange
- **Single Stock Futures** are traded on 21 exchanges globally
- **Eurex Market Participants** are now able to trade SSFs on 888 names, from 19 different global markets, including emerging markets
- **Suggestions are welcomed** in case you have additional underlyings that you would like to see listed, let us know

SSF Currency	Underlying Country		Index Components Covered	No. of SSFs	Settlement Type of Flexible SSFs	
CHF	Switzerland	CH	SMI, SLI and SMIM	98	Cash	
	Austria	AT	ATX	23	Cash	
	Belgium	BE	BEL 20	20	Cash / Physical	
	Germany	DE	DAX, MDAX and TecDAX	183	Cash / Physical	
	Spain	ES	IBEX 35	61	Cash / Physical	
	EUR	Finland	FI	OMX Stockholm 30	29	Cash / Physical
		France	FR	CAC 40	123	Cash / Physical
		Ireland	IE	ISEQ 20 Index	10	Cash / Physical
		Italy	IT	FTSE MIB	51	Cash / Physical
		Netherlands	NL	AEX Index	66	Cash / Physical
		Norway	NO	OSEBX	7	Cash
		Portugal	PT	PSI 20	4	Cash
		Sweden	SE	OMX Stockholm 30	14	Cash
		Poland	PL	WIG 20	10	Cash
GBP		UK	GB	FTSE 100 Index	84	Cash
USD	Brazil	BR		2	Cash	
	Russia	RU	RDXxt USD Index	0	Cash	
	U.S.	US	S&P 500	99	Cash	
DKK	Canada	CA		30	Cash	
	Denmark	DK		2	Cash	
Total				916		

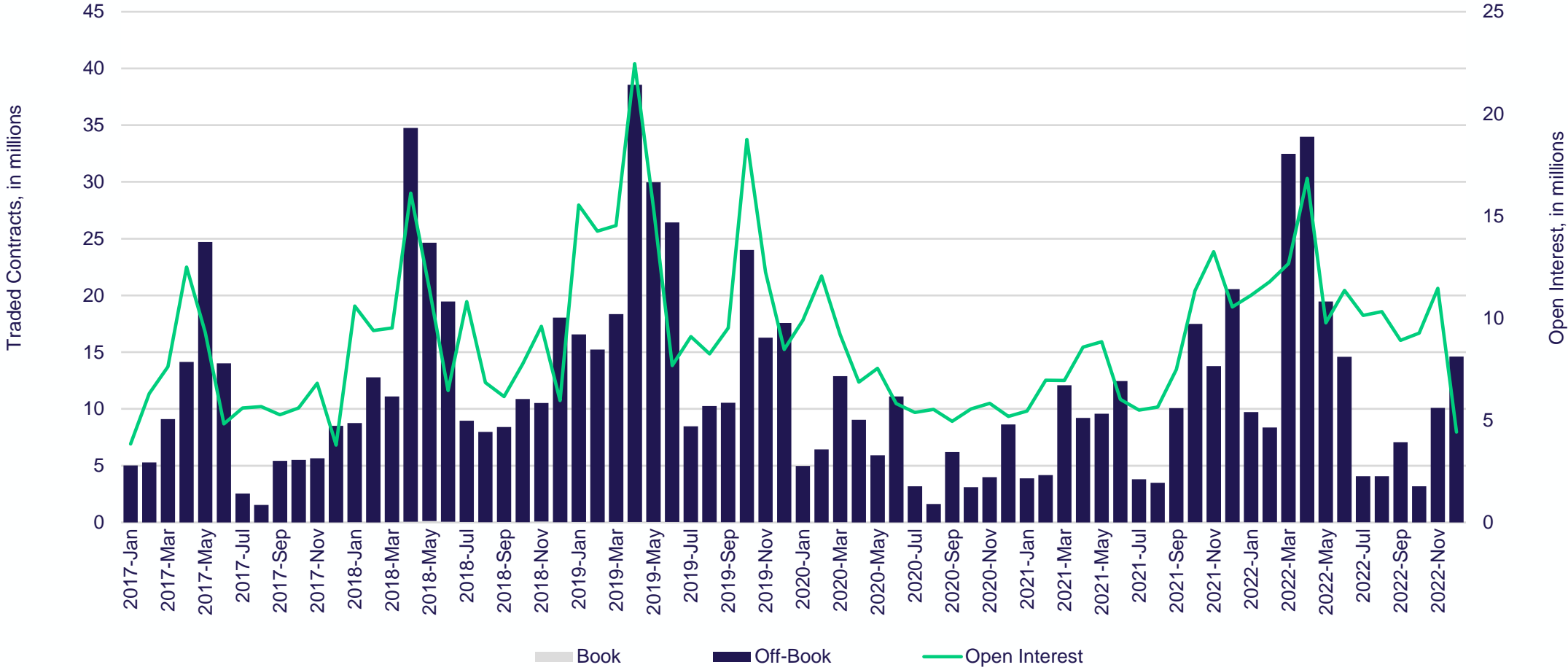
Volume Distribution (1/2)

	December-22	December-21	YTM 2022
Traded Contracts	14,604,232	20,544,296	161,665,049
Agent	11,300,286	14,146,832	126,064,834
Principal	551,087	1,402,017	3,889,547
Market Maker	2,752,859	4,995,447	31,710,669
Open Interest	9,766,476	10,549,246	
Average Daily Volume 2022			629,047



Pie charts based on YTM August 2022

Volume Distribution (2/2)

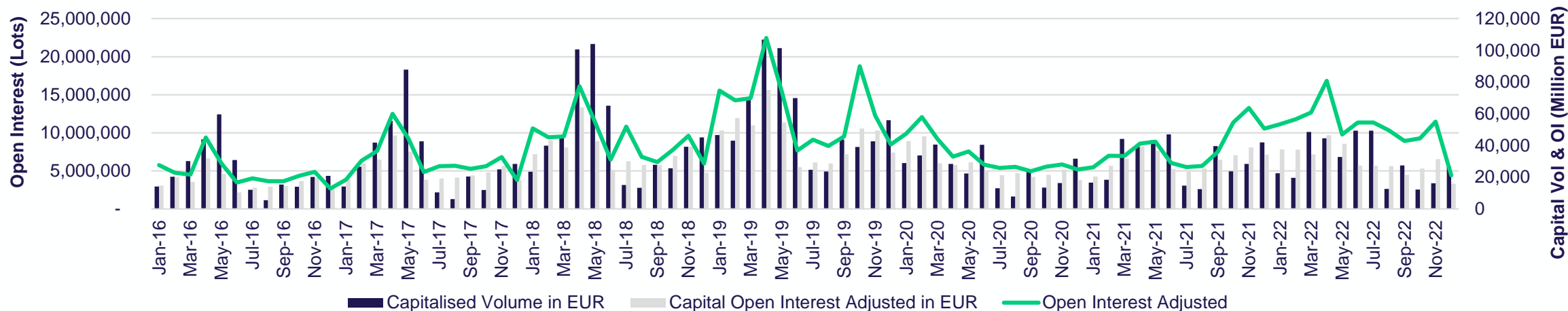


Volume Distribution

SSF Statistics: All Products	2022	2021
Open Interest 2022-Dec (-58% YoY)	10,320,301	5,644,567
Notional Open Interest 2022-Dec (-54% YoY)	15.9 bln EUR	34.3 bln EUR
Traded Contracts YTM (+34% YoY)	126,705,818	58,699,999
Notional Volume YTM (-13% YoY)	642.22 bln EUR	738.38 bln EUR

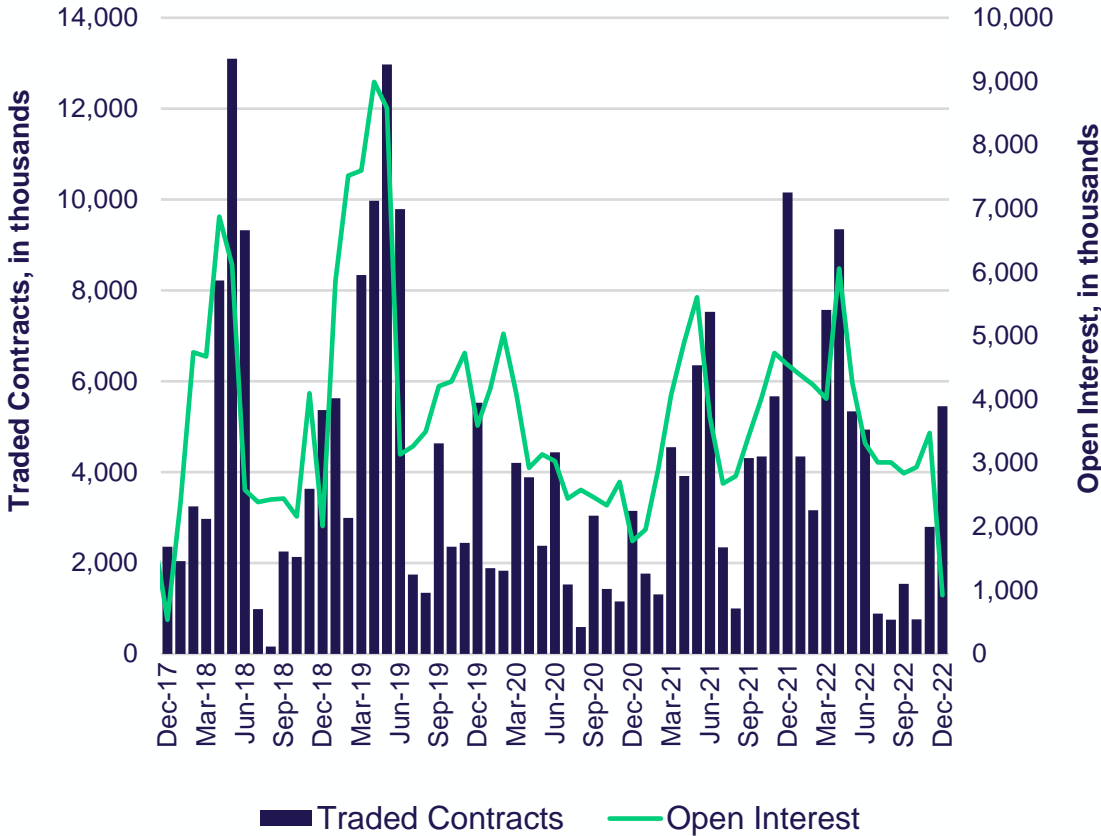
*YTM Data is Jan-Dec of each year

Single Stock Futures Volume & Open Interest Development

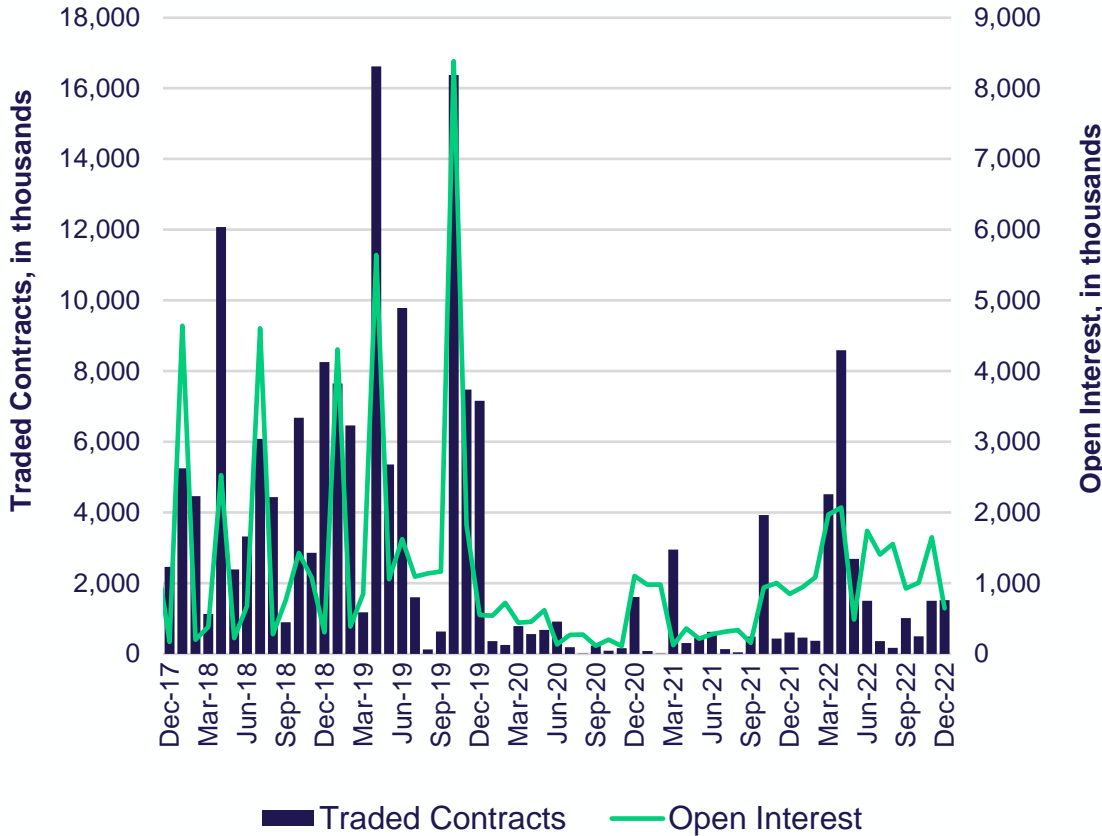


Country Segments Development (1/2)

French Single Stock Futures

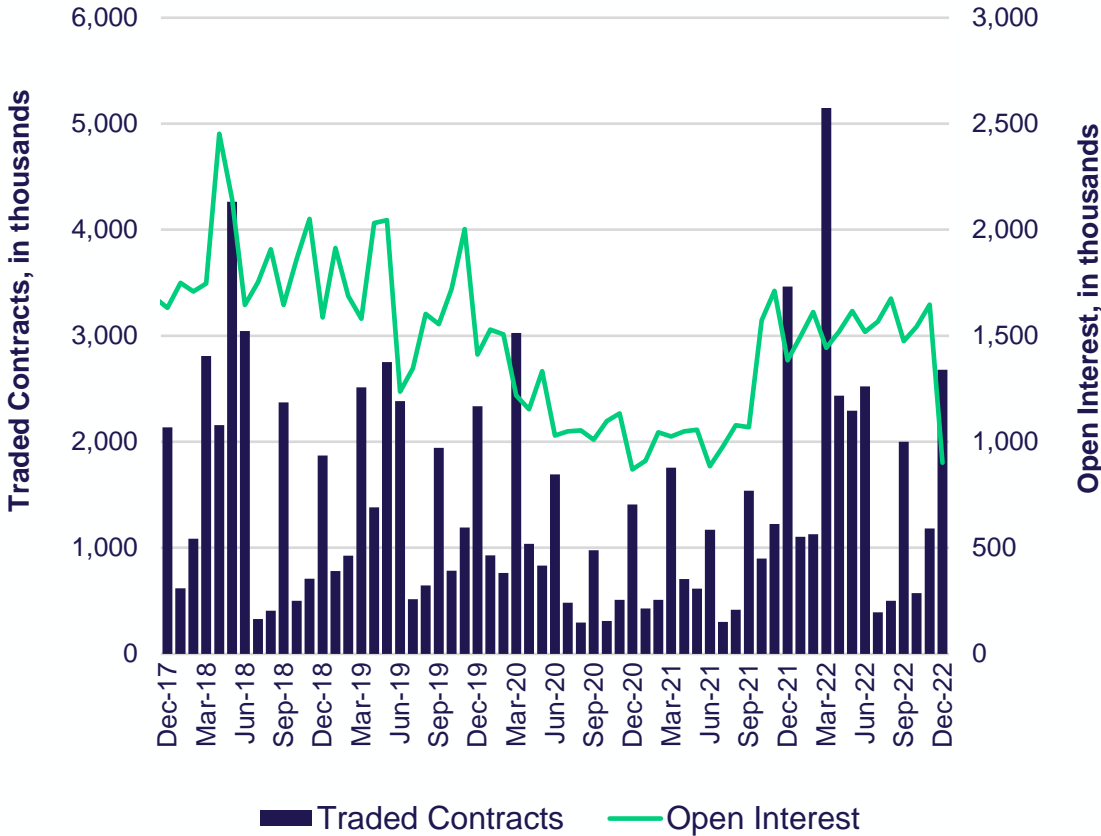


Spanish Single Stock Futures

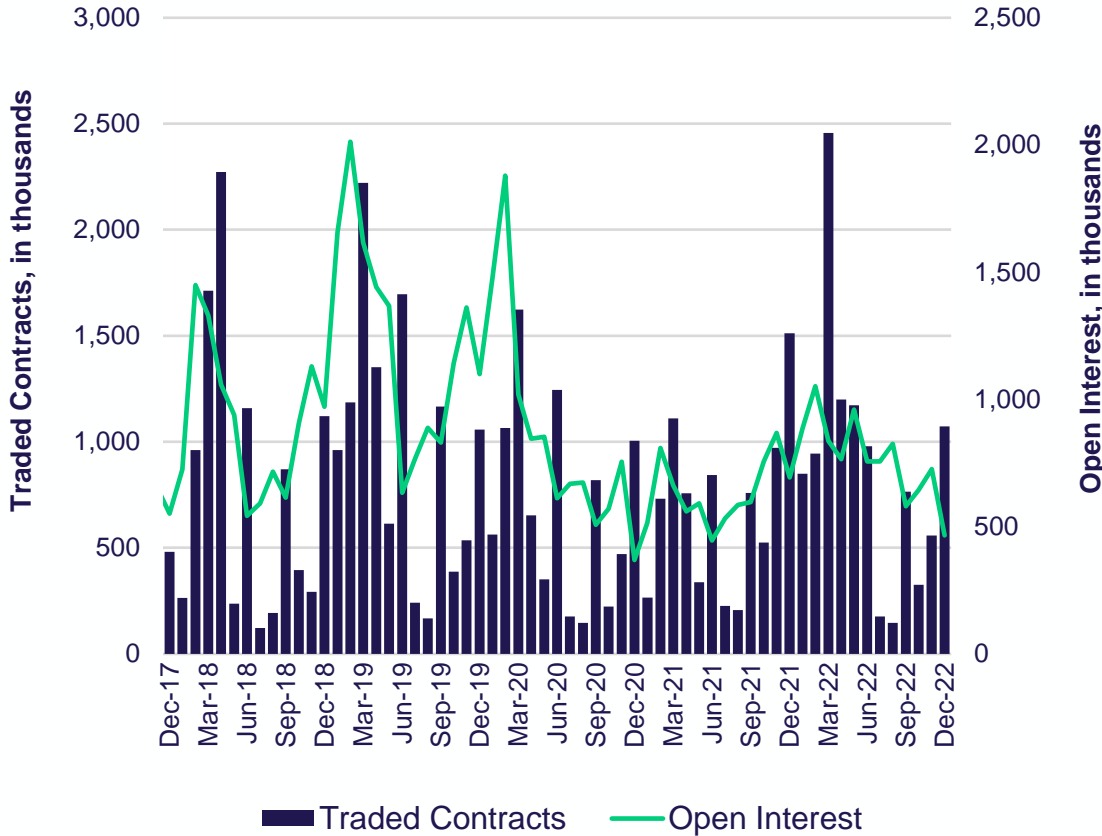


Country Segments Development (2/2)

German Single Stock Futures



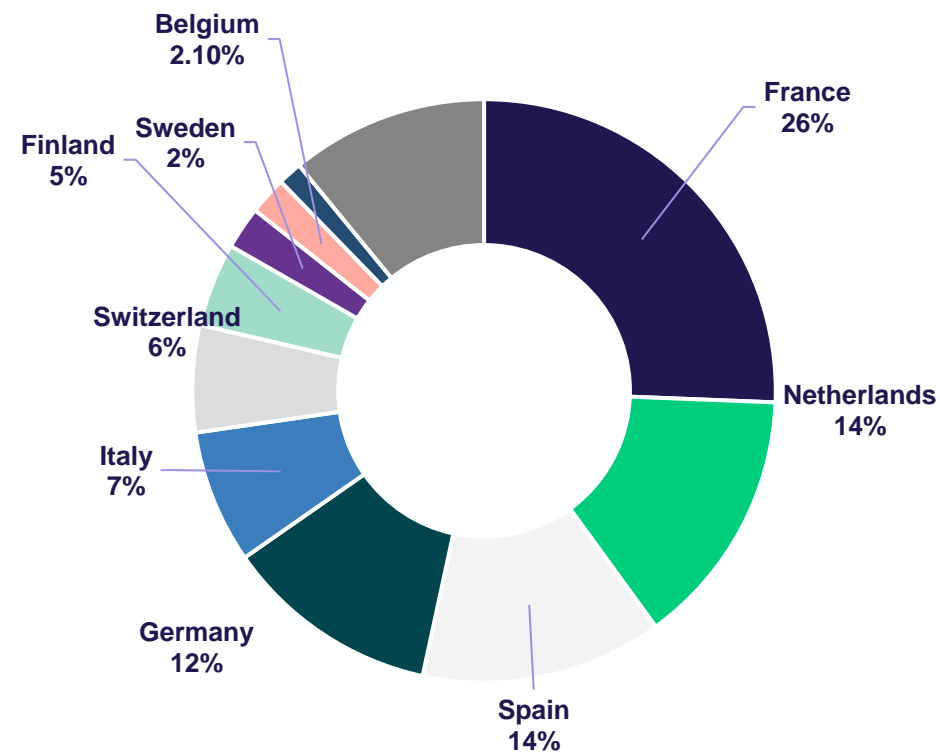
Swiss Single Stock Futures



Country Segments Development

Clients from France and Germany accounted for over 45% of the traded contracts in 2022

Country	YTM 2022	YTM 2021	Difference in %
France	41,430,099	53,244,903	-22%
Netherlands	23,209,297	15,610,095	49%
Spain	21,657,682	10,033,814	116%
Germany	19,302,375	13,035,973	48%
Italy	11,953,585	8,283,290	44%
Switzerland	9,574,164	8,246,931	16%
Finland	7,491,628	4,956,308	51%
Sweden	3,816,690	3,109,948	23%
Belgium	3,401,586	1,633,000	108%
Great Britain	2,156,469	1,670,791	29%
Other	17,671,474	738,761	2292%
Total	161,665,049	120,563,814	34%



Pie chart based on YTM August 2022

Harmonized Contract Specifications & Trade Entry Services

Contract terms	Up to 36 months; the next 13 calendar months and the two following yearly months (December)
Contract size	10, 100 or 1000 shares (exception: 1 share for SSF on Lindt & Sprüngli and Sika)
Minimum price movement	EUR / CHF / USD / Pence: 0.0001 Exception in SSF on Lindt & Sprüngli, Belimo Holding and Equinor: 0.001
Settlement	Standard: Cash settlement, payable on the first exchange day following the last trading day; Selected Single Stock Futures are also available with physical delivery
Final settlement price	Standard: Based on the closing price of the respective shares calculated by the electronic trading system of the relevant underlying exchange on the last trading day Brazilian / Canadian / U.S. SSFs: Based on the opening/opening auction price of NYSE Euronext / NASDAQ / AMEX.
Last trading day	Standard: The third Friday of the respective month, for Italian SSFs the day before the third Friday of each maturity month, if this is an exchange day; otherwise the exchange day preceding that day.
Trading hours	Order book: 09:00 - 17:45 CET; Brazilian / Canadian / U.S. SSFs: 09:00 – 22:00 CET Eurex TES: 09:00 - 19:30 CET ; Brazilian / Canadian / U.S. SSFs: 09:00 – 22:30 CET Last trading day: 09:00 - 17:45 CET; Russian SSFs: 09:00 - 16:40 CET; Brazilian / Canadian / U.S. SSFs: 15:30 CET (for March contracts: 14:30 CET)

Harmonized Contract Specifications & Trade Entry Services

Block Trade Facility

- The Eurex TES facility enables you to execute and clear bilateral trades in SSFs
- Capped trading fees significantly reduce trading costs
- Minimum Block Trade Size equivalent to EUR 25,000 in most cases (according to ESMA guideline)

Non-disclosure Facility

- Block Trades in SSFs are optionally not disclosed intra-day (trades over 1,000 lots for most Eurex SSFs, with some exceptions based on ESMA guideline)
- The trade volume can be viewed in the report or in the Eurex Trading GUI Window (“Market Information > Online Time and Sales Sheet”) on the following exchange date

Bulk Load Panel

- The bulk load panel within the Block Trade facility further enhances the trading efficiency. This functionality enables the import of multiple Block Trades in futures directly from a file in csv format into the Eurex system

Flexible Futures

- Eurex TES Flexible Futures enable you to define the following parameters:
 - **Maturity:** You can choose any exchange day between the first trading day after the trade date and the last standard maturity date of the affected futures contract
 - **Settlement type:** In addition to cash settlement, you can choose physical delivery for SSFs on Austrian, Belgian, Dutch, Finnish, French, German, Italian, Spanish and Swiss equities
- All trades executed via the Flexible Futures facility are not disclosed

Market Makers provide liquidity

Currently, eight Liquidity Providers facilitate order book trading in the following packages:

Package	Package ID	Eurex products contained	Number of package components	Number of monthly exceptions
EURO STOXX 50®	ES50	All SSFs on components of the EURO STOXX 50® index	50	10
EURO STOXX 50® (physical)	ES50	Selected SSFs on components of the EURO STOXX 50® index with physical settlement	49	10
German	DE	All SSFs on components of the DAX 30® index	30	6
French	FR	All SSFs on components of the CAC40® index	40	8
Italian	IT	All SSFs on components of the FTSE MIB® index	33	7
Dutch	NL	All SSFs on components of the AEX® index	23	5
Finnish	FI	Selected SSFs on components of the OMX25® Index	15	3

- Obligations of LPs (see Eurex Circular 132/17 and Circular 015/20):
 - Provide permanent quotes in SSFs of the relevant package. The quote presence should be at least 80 % of the daily trading period (CET 09:00 – 17:30) on a monthly average
 - The maturities to be quoted should be the front month contract
 - Maximum spreads (in product currency)
- LPs fulfilling the quote obligations will be granted a fee refund for transactions on the M account: 80 % for order book trades and 60 % for Eurex Block Trades

Spread class	Bid prices up to (EUR/CHF)	Maximum spreads (EUR/CHF)
1	≤ 50	0.05
	> 50	0.10%
2	≤ 50	0.10
	> 50	0.20%
3	≤ 50	0.20
	> 50	0.40%

Transparent Fee Structure

Trading & Clearing covered by one fee

Among the major European markets, Eurex offers the most competitive fees for trading SSFs:

- The fees are capped at 3000 contracts per Block Trade
- Cash settlement and physical delivery fees for EUR, CHF and USD are capped at 3000 contracts
- Both transaction and clearing costs are covered by one fee

Product currency	Transaction fees				Cash settlement & physical delivery
	Fee per lot		Fee cap as of 3000 lots		Fee per lot
	Orderbook	TES	Orderbook	TES	
EUR	0.10	0.15	300	450	0.10
CHF/USD	0.15	0.23	450	690	0.15
GBP	0.08	0.12	240	360	0.08

- Equal fees for all types of clients
- For transactions entered via the Block Trade and Flexible Futures facility, the fees for Eurex TES are applied

SSF Trading Opportunities

Hedging

You can protect your portfolio against adverse market moves by selling or buying SSFs rather than equities.

Leverage

Use a much smaller capital outlay to achieve the same amount of exposure

Pairs trading

You know there is a positive correlation in the daily price movement between two stocks. When a negative correlation occurs you go short on the outperforming stock and long on the underperforming one, expecting that the "spread" between the two would eventually converge.

130/30 Strategy

A 130/30 ratio implies shorting stocks up to 30 percent of the portfolio value and then using the funds to take a long position in the stocks you expect to outperform the market.

Cash equitization

A fund manager knows he will receive EUR 50 million to invest in European equities in the near future and is concerned that the market will be higher by the time he receives the cash. Therefore he buys SSFs to forward fix the cost.

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Thank you!

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