

# Eurex Monthly Statistics

December 2023

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**Monthly Report: November 2023 figures at Eurex**

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- Total Eurex volume grew by 18 percent in November year-on-year.
- Total repo volumes up 65 percent to EUR 402 billion plus a new record high in term-adjusted repo volume.
- Notional outstanding in OTC Clearing up 16 percent year-on-year in November.

Eurex, Europe's leading derivatives exchange, reports an 18 percent year-on-year increase in traded contracts for November, from 141.8 million to 167.5 million contracts. Interest rate derivatives saw strongest growth up 63 percent, from 47.4 to 77.4 million contracts traded in November. Equity derivatives grew by 21 percent to 22.8 million contracts in November from 18.8 million contracts in the same month last year. By contrast, turnover in index derivatives decreased by 11 percent year-on-year in November, from 75.3 million to 67.1 million traded contracts.

In OTC Clearing, notional outstanding volumes increased 16 percent in November year-on-year to EUR 31,663 billion from EUR 27,344 billion in November last year. Thereof, notional outstanding volumes in interest rate swaps increased 8 percent to EUR 13,873 billion and notional outstanding in overnight index swaps increased 20 percent to EUR 3,021 billion.

Eurex Repo, Eurex's leading electronic market for secured funding and financing, again recorded a strong increase in daily GC Pooling volumes in November, up 160 percent to EUR 179.9 billion, whereby total average daily term-adjusted repo volume grew by 65 percent year-on-year in November to EUR 402.5 billion. On 28 November, Eurex Repo achieved a new daily record of EUR 1.53 trillion of term-adjusted volume in its repo markets.

## Eurex Total

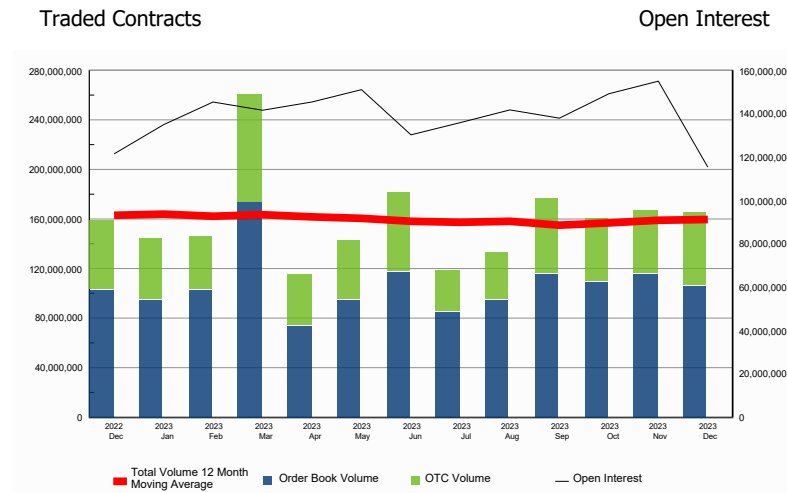
Number of Products	2,893
Number of Series	614,312
Launched Products per Month	1

## Volume Development Trend

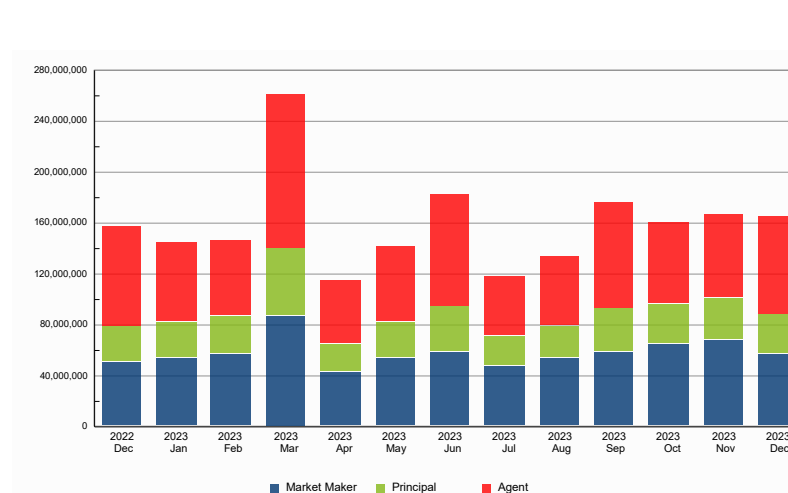
YoY Change → YTM/YTM prev. Year ←

↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ > 25%

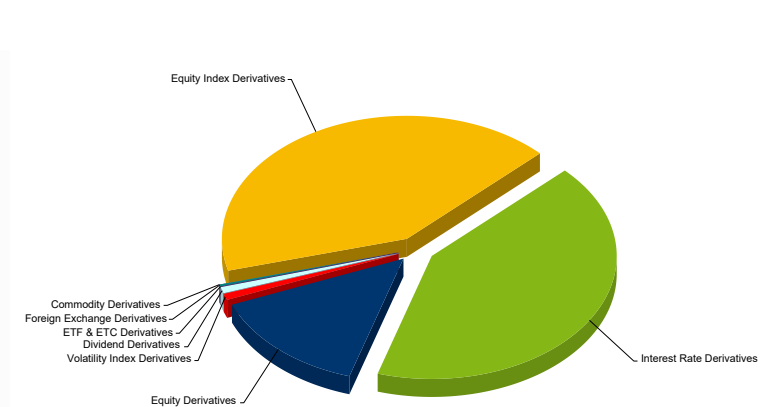
## Traded Contracts & Open Interest



## Traded Contracts by Account Type



## Traded Contracts by Product Group



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Options	Futures
Dec 2023	165,822,682	4.7%	8,727,510	64.03%	13,559,610	47.0%	34.1%	18.9%	12,219,846	115,347,073	27.39%	72.61%
Nov 2023	167,516,499	18.2%	7,614,386	69.16%	16,372,020	39.4%	40.7%	19.9%	12,601,423	154,991,770	33.66%	66.34%
Oct 2023	161,161,135	15.6%	7,325,506	67.98%	17,670,824	39.9%	40.0%	20.1%	11,058,513	149,168,797	36.53%	63.47%
Sep 2023	176,617,108	-17.6%	8,410,338	65.34%	15,109,206	46.9%	33.2%	19.9%	12,233,134	137,924,246	28.36%	71.64%
Aug 2023	133,435,403	8.0%	5,801,539	71.07%	14,888,574	41.0%	40.0%	19.0%	9,509,770	141,731,439	34.31%	65.69%
Jul 2023	118,592,302	-7.6%	5,647,252	71.07%	13,433,162	39.9%	40.1%	20.0%	8,454,546	135,889,603	36.35%	63.65%
Jun 2023	182,078,303	-13.6%	8,276,287	64.48%	15,494,145	48.1%	32.1%	19.9%	12,515,224	130,236,464	26.64%	73.36%
May 2023	142,501,864	-8.9%	6,477,357	66.57%	15,245,677	42.0%	37.6%	20.4%	9,600,037	151,076,878	33.30%	66.70%
Apr 2023	115,727,057	-15.4%	6,429,281	63.73%	12,362,573	43.4%	36.7%	19.8%	7,330,605	145,397,481	36.72%	63.28%
Mar 2023	260,915,252	6.0%	11,344,141	66.70%	27,815,037	46.4%	33.2%	20.4%	16,984,727	141,569,419	30.42%	69.58%
Feb 2023	146,117,208	-12.2%	7,305,860	69.74%	16,307,679	40.2%	38.7%	21.1%	10,528,387	145,369,837	36.28%	63.72%
Jan 2023	144,631,082	8.4%	6,574,140	65.66%	16,657,385	43.0%	37.6%	19.4%	9,770,865	134,911,808	39.59%	60.41%
Dec 2022	158,362,232	8.4%	7,541,059	64.42%	15,146,994	50.4%	32.0%	17.6%	10,588,277	121,451,258	28.41%	71.59%

Most Active Products (Traded Contracts)			
EURO STOXX 50® Index Futures	Future	FESX	21,929,606
Euro-Bund Futures	Future	FGBL	19,472,901
EURO STOXX 50® Index Options	Option	OESX	19,183,298
Euro-Bobl Futures	Future	FGBM	15,564,978
Euro-Schatz Futures	Future	FGBS	14,716,782
EURO STOXX® Banks Futures	Future	FESB	5,768,164
Euro-OAT-Futures	Future	FOAT	4,395,108
Euro-BTP Futures	Future	FBTP	4,371,776
STOXX® Europe 600	Future	FXXP	2,950,074
Short Term Euro-BTP-Futures	Future	FBTS	2,641,777

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Options	Futures
2023	1,915,115,895	-2.1%	7,510,258	66.99%	194,915,892	43.5%	36.6%	19.9%	132,807,077	119,763,790	32.78%	67.22%
2022	1,955,730,332	14.8%	7,609,846	65.79%	226,949,389	46.4%	34.6%	19.0%	135,385,819	123,878,699	33.58%	66.42%
2021	1,703,174,493	-8.5%	6,653,025	62.87%	146,615,383	45.0%	36.7%	18.3%	126,090,824	127,110,212	36.49%	63.51%
2020	1,861,416,584	-4.4%	7,299,673	64.85%	170,368,292	40.6%	38.9%	20.4%	118,040,190	123,297,826	37.21%	62.79%
2019	1,947,144,196	-0.2%	7,696,222	58.23%	133,260,780	45.2%	34.9%	19.9%	121,174,140	128,791,347	35.98%	64.02%

## Equity Derivatives

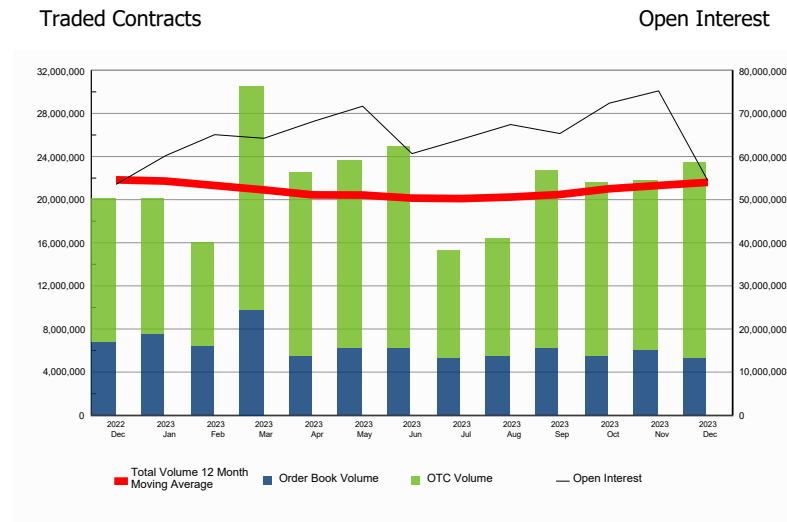
Number of Products	2,002
Number of Series	465,754
Launched Products per Month	1

### Volume Development Trend

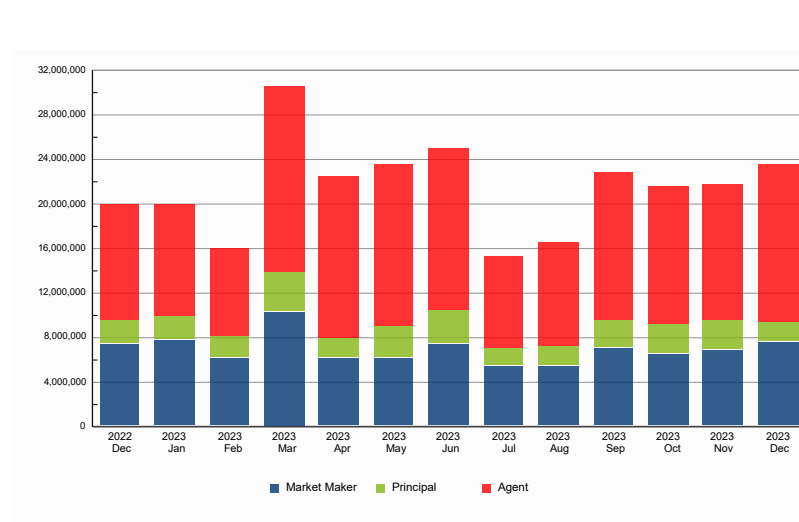
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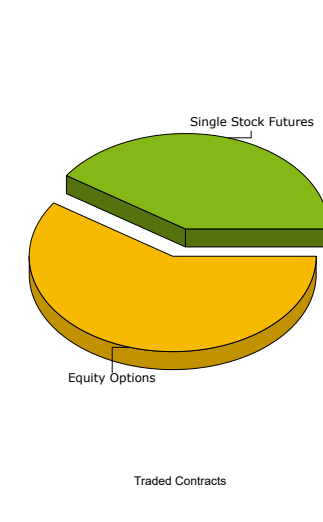
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Type



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Options	Futures
Dec 2023	23,548,101	17.3%	1,239,374	22.49%	163,055	59.9%	32.6%	7.4%	92,810	54,379,178	59.55%	40.45%
Nov 2023	21,721,922	20.3%	987,360	27.95%	182,976	55.9%	32.0%	12.1%	89,364	75,224,084	71.23%	28.77%
Oct 2023	21,560,031	42.4%	980,001	25.53%	168,858	57.2%	30.6%	12.3%	85,536	72,370,690	69.16%	30.84%
Sep 2023	22,808,459	14.2%	1,086,117	27.15%	182,337	58.3%	31.3%	10.3%	86,864	65,327,249	66.53%	33.47%
Aug 2023	16,511,507	11.5%	717,892	33.40%	188,694	56.0%	33.5%	10.5%	60,906	67,421,049	74.24%	25.76%
Jul 2023	15,272,568	-3.3%	727,265	34.64%	179,651	53.5%	35.3%	11.2%	59,461	63,998,413	78.84%	21.16%
Jun 2023	25,042,438	-12.1%	1,138,293	24.50%	196,046	58.4%	29.7%	12.0%	95,738	60,671,781	56.45%	43.55%
May 2023	23,650,259	-0.7%	1,075,012	26.10%	190,003	61.4%	26.4%	12.2%	90,473	71,668,861	54.05%	45.95%
Apr 2023	22,467,599	-19.8%	1,248,200	24.16%	168,699	64.8%	27.2%	8.0%	77,176	68,143,509	56.84%	43.16%
Mar 2023	30,534,557	-14.0%	1,327,589	31.68%	277,401	54.6%	33.7%	11.8%	108,244	64,226,016	68.01%	31.99%
Feb 2023	16,071,995	-23.4%	803,600	40.22%	213,383	49.4%	38.5%	12.1%	72,462	65,071,787	83.81%	16.19%
Jan 2023	20,076,426	-6.4%	912,565	37.34%	282,594	50.7%	38.7%	10.6%	89,927	60,173,161	76.88%	23.12%
Dec 2022	20,069,779	-16.3%	955,704	34.22%	215,256	52.2%	37.1%	10.7%	83,042	53,537,036	63.62%	36.38%

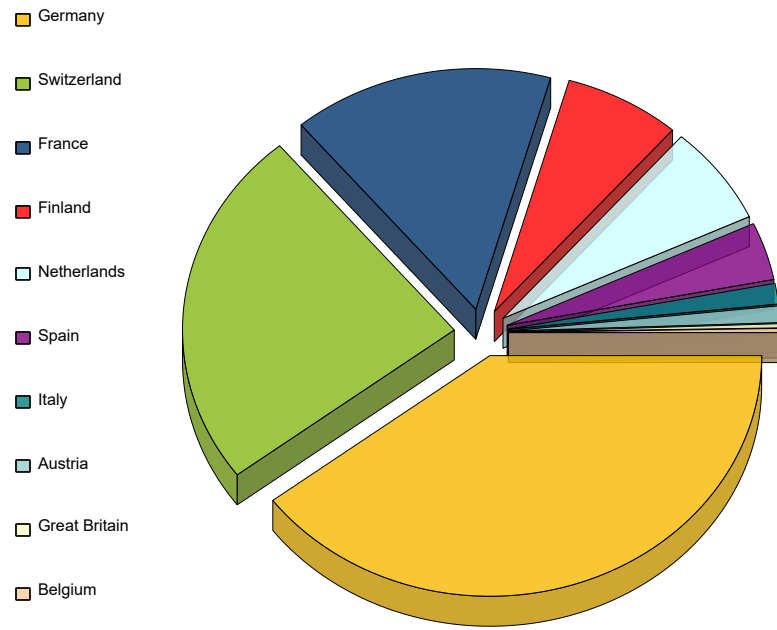
### Most Active Products (Traded Contracts)

Product	Type	Symbol	Volume
Nokia	Option	NOA3	860,745
Crédit Agricole	Future	XCAH	830,400
Deutsche Bank	Option	DBK	723,533
Deutsche Telekom	Option	DTE	663,840
Orange	Future	FTEG	657,550
Credit Agricole	Future	XCAP	655,000
TOTALENERGIES SE	Future	TOTH	644,130
UBS	Option	UBSN	634,263
TRF ON KON. KPN N.V.	Future	TKPN	549,272
Telefónica	Future	TEFG	535,503

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Options	Futures
2023	259,265,862	-1.1%	1,016,729	29.02%	2,393,697	57.0%	32.1%	10.9%	1,008,961	58,318,245	66.82%	33.18%
2022	262,052,982	-11.1%	1,019,661	31.10%	2,688,034	55.4%	35.3%	9.3%	1,052,337	55,749,236	65.65%	34.35%
2021	294,788,450	10.7%	1,151,517	27.20%	2,576,513	57.9%	31.4%	10.7%	1,190,870	62,028,333	68.36%	31.64%
2020	266,319,440	-36.3%	1,044,390	30.95%	2,926,027	48.7%	38.0%	13.3%	1,063,656	56,092,493	71.01%	28.99%
2019	417,897,434	14.4%	1,651,769	20.29%	3,039,547	63.6%	27.6%	8.9%	1,461,578	61,465,454	44.43%	55.57%

## Volume by Product & Country

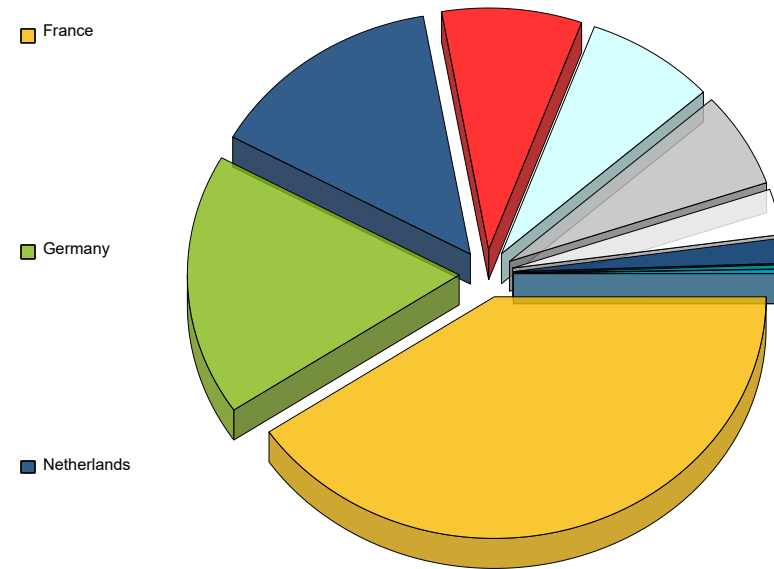
### Equity Options by Country



Traded Contracts

Country of Underlying	Traded Contracts	Share
Top 10		
Germany	5,571,021	39.7%
Switzerland	3,394,184	24.2%
France	2,175,008	15.5%
Finland	968,624	6.9%
Netherlands	932,588	6.7%
Spain	540,607	3.9%
Italy	196,288	1.4%
Austria	141,662	1.0%
Great Britain	55,004	0.4%
Belgium	40,636	0.3%
<b>Total</b>	<b>14,015,622</b>	<b>100.0%</b>

### Single Stock Futures by Country



Traded Contracts

Country of Underlying	Traded Contracts	Share
Top 10		
France	3,850,761	40.4%
Germany	1,674,417	17.6%
Netherlands	1,343,584	14.1%
Spain	815,279	8.6%
Italy	716,604	7.5%
Switzerland	612,635	6.4%
Finland	303,091	3.2%
Belgium	155,823	1.6%
Great Britain	24,970	0.3%
Austria	23,736	0.2%
Others	4,032	0.0%
<b>Total</b>	<b>9,524,932</b>	<b>100.0%</b>

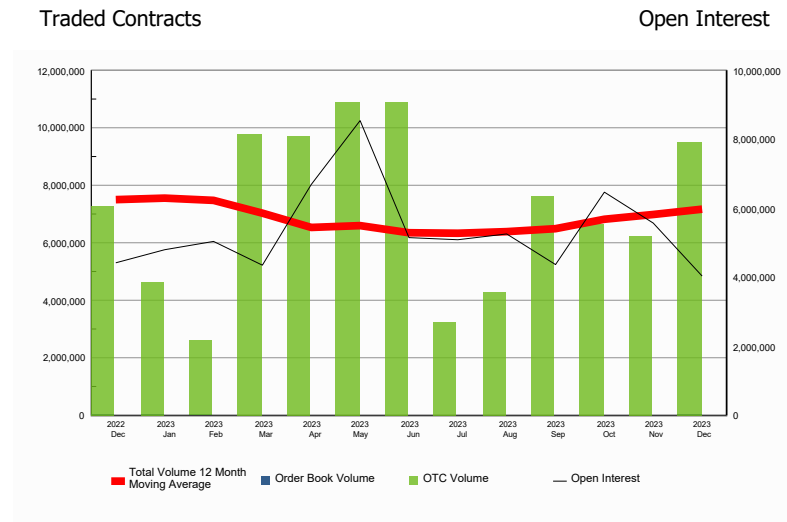
## Equity Derivatives :: Single Stock Futures

Number of Products 1,340  
 Number of Series 20,490  
 Launched Products per Month 0

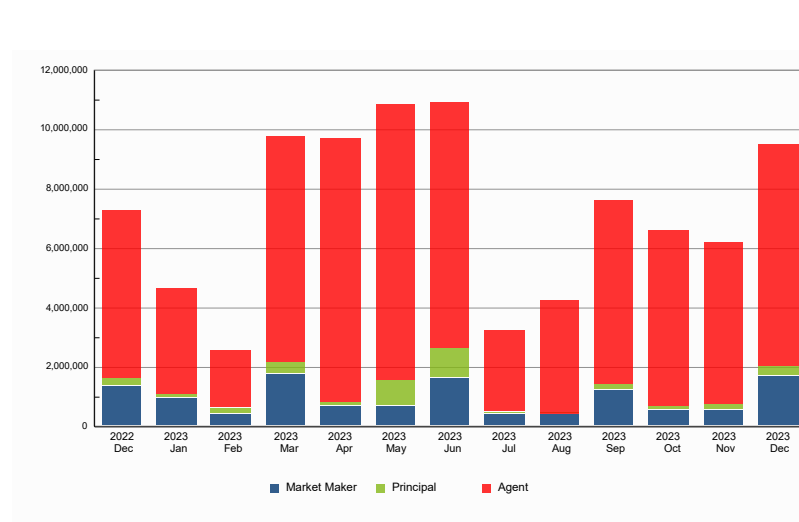
### Volume Development Trend

YoY Change ↑ YTM/YTM prev. Year ←  
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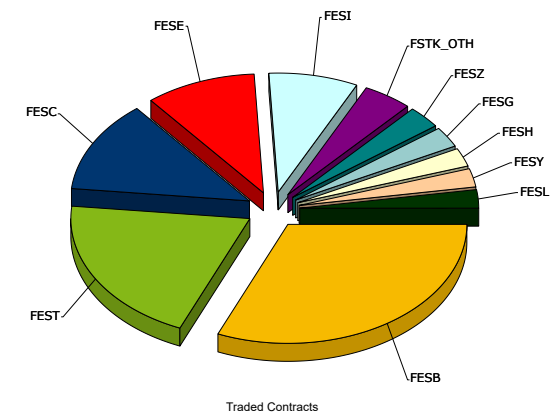
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	9,524,932	30.4%	501,312	0.01%	1,220	78.4%	18.0%	3.6%	35,924	4,035,044		
Nov 2023	6,249,822	46.7%	284,083	0.00%	696	88.3%	9.4%	2.3%	18,540	5,570,056		
Oct 2023	6,650,148	144.4%	302,279	0.00%	580	89.9%	8.9%	1.2%	17,611	6,467,481		
Sep 2023	7,634,761	19.4%	363,560	0.00%	1,086	80.8%	16.4%	2.8%	23,679	4,367,889		
Aug 2023	4,253,475	18.6%	184,934	0.00%	318	89.3%	10.3%	0.4%	9,083	5,255,519		
Jul 2023	3,231,208	-6.0%	153,867	0.00%	343	84.3%	13.9%	1.8%	8,314	5,087,234		
Jun 2023	10,904,966	-21.4%	495,680	0.00%	1,282	75.5%	15.2%	9.3%	35,396	5,148,713		
May 2023	10,866,279	7.6%	493,922	0.00%	907	85.5%	6.6%	7.9%	32,270	8,542,175		
Apr 2023	9,697,425	-38.1%	538,746	0.00%	809	91.2%	7.2%	1.5%	23,847	6,688,731		
Mar 2023	9,767,208	-35.3%	424,661	0.00%	1,280	77.5%	18.5%	4.1%	29,192	4,349,827		
Feb 2023	2,601,770	-26.5%	130,089	0.04%	464	76.5%	16.2%	7.3%	10,983	5,038,955		
Jan 2023	4,641,226	15.5%	210,965	0.03%	769	76.8%	21.3%	2.0%	14,123	4,798,532		
Dec 2022	7,302,116	-26.4%	347,720	0.02%	1,249	77.4%	18.8%	3.8%	26,497	4,419,161		

Most Active Products (Traded Contracts)		
Crédit Agricole	XCAH	830,400
Orange	FTEG	657,550
Credit Agricole	XCAP	655,000
TOTALENERGIES SE	TOTH	644,130
TRF ON KON. KPN N.V.	TKPN	549,272
Telefónica	TEFG	535,503
Intesa Sanpaolo	IESI	301,950
TRF ON Deutsche Telekom	TDTE	292,971
BASF	BASG	282,499
AXA	AXAG	212,152

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	86,023,220	-4.4%	337,346	0.01%	9,754	82.7%	13.2%	4.1%	258,962	7,730,216		
2022	90,006,658	-3.5%	350,220	0.01%	12,492	77.3%	20.4%	2.3%	315,904	6,223,411		
2021	93,258,535	20.8%	364,291	0.02%	13,383	77.8%	17.6%	4.6%	370,432	9,160,188		
2020	77,212,511	-66.8%	302,794	0.06%	15,796	70.7%	23.2%	6.1%	302,142	6,199,575		
2019	232,226,570	31.8%	917,892	0.12%	37,734	85.8%	10.4%	3.8%	666,260	10,506,303		

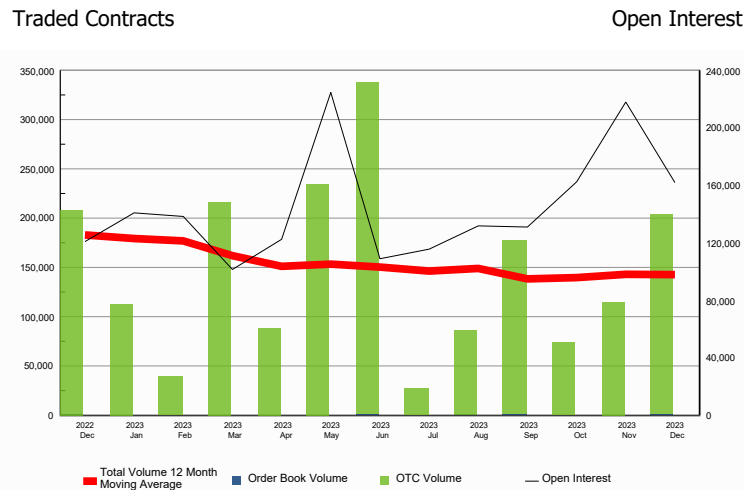
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Automobiles & Parts Components

Number of Products 44  
 Number of Series 632  
 Launched Products per Month 0

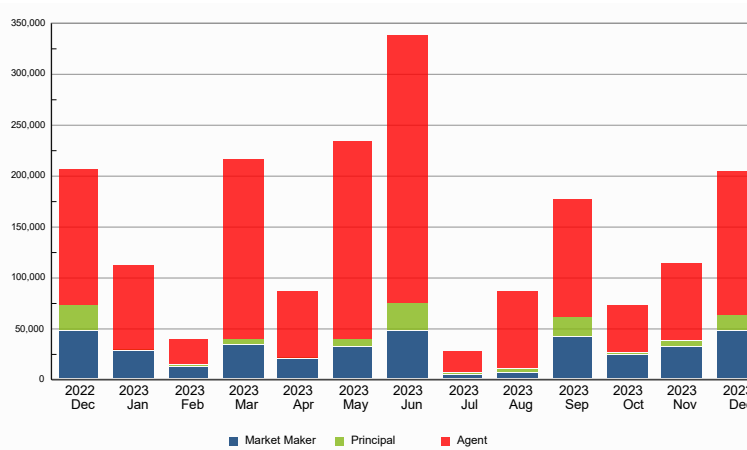
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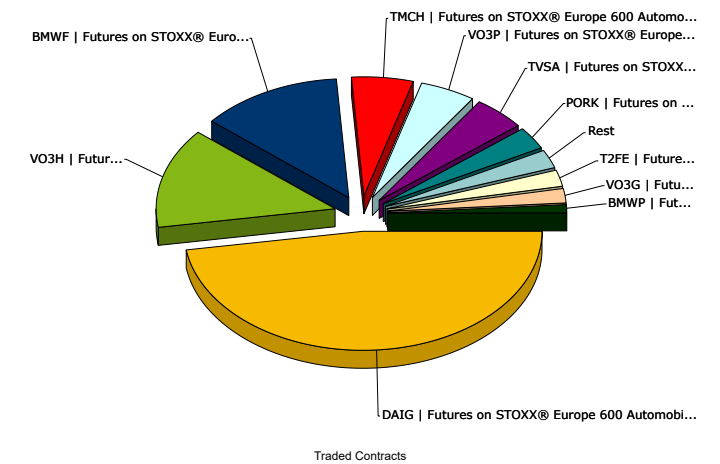
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	204,045	-1.8%	10,739	0.10%	79	68.8%	23.0%	8.2%	1,698	161,860		
Nov 2023	114,746	53.6%	5,216	0.00%	56	67.1%	28.8%	4.2%	916	217,911		
Oct 2023	73,667	27.2%	3,349	0.00%	35	65.6%	32.4%	2.0%	625	162,357		
Sep 2023	177,151	-41.8%	8,436	0.11%	89	64.9%	23.7%	11.4%	1,465	130,946		
Aug 2023	87,218	57.8%	3,792	0.03%	37	88.9%	8.5%	2.6%	685	131,753		
Jul 2023	27,387	-63.9%	1,304	0.00%	28	76.4%	20.0%	3.7%	295	115,543		
Jun 2023	337,895	-9.6%	15,359	0.07%	112	77.7%	14.1%	8.2%	2,419	108,878		
May 2023	233,944	12.9%	10,634	0.00%	67	83.0%	13.3%	3.6%	1,457	224,608		
Apr 2023	87,676	-59.7%	4,871	0.00%	28	76.3%	22.3%	1.4%	632	122,386		
Mar 2023	215,882	-45.5%	9,386	0.00%	98	81.1%	16.1%	2.8%	1,896	101,419		
Feb 2023	39,220	-42.4%	1,961	0.00%	23	60.8%	32.2%	6.9%	441	138,305		
Jan 2023	113,082	-27.8%	5,140	0.00%	59	74.4%	24.8%	0.9%	1,063	140,815		
Dec 2022	207,842	-24.1%	9,897	0.01%	87	64.6%	23.1%	12.3%	1,600	120,797		

Most Active Products (Traded Contracts)		
MERCEDES-BENZ GROUP AG	DAIG	97,079
VOLKSWAGEN AG VORZUGSAKTIE O.ST. O.N.	VO3H	27,536
BMW	BMWF	26,310
TRF ON Michelin	TMCH	11,330
PHY VOLKSWAGEN VZ	VO3P	10,150
TRF ON Valeo SE	TVSA	9,496
Porsche Automobil Holding	PORK	6,020
TRF ON Ferrari NV	T2FE	4,842
Volkswagen Vz.	VO3G	3,639
PHY BMW AG	BMWP	2,500

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	1,711,913	-22.0%	6,713	0.04%	711	75.1%	19.4%	5.5%	13,593	187,586		
2022	2,194,930	18.9%	8,541	0.01%	805	68.8%	25.7%	5.5%	19,180	182,798		
2021	1,846,476	-32.2%	7,213	0.01%	725	64.5%	23.8%	11.7%	17,314	181,526		
2020	2,723,714	-64.2%	10,681	0.06%	813	78.5%	14.0%	7.5%	13,698	179,791		
2019	7,609,231	73.5%	30,076	0.25%	2,842	86.2%	10.3%	3.5%	41,399	481,413		

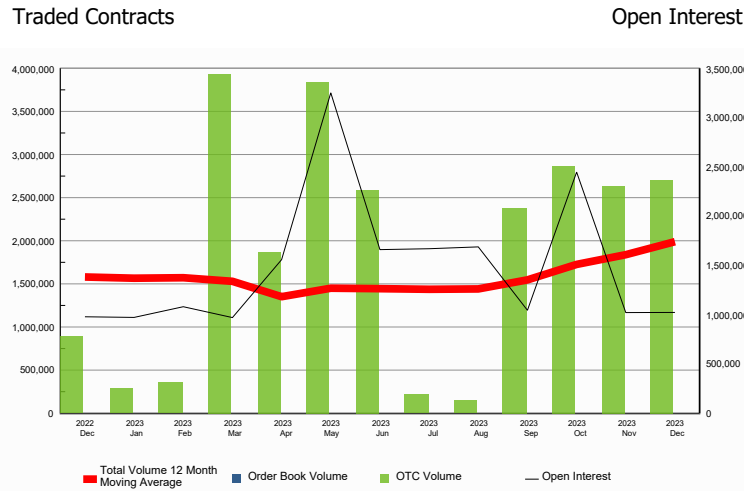
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Banks Components

Number of Products 135  
 Number of Series 1,668  
 Launched Products per Month 0

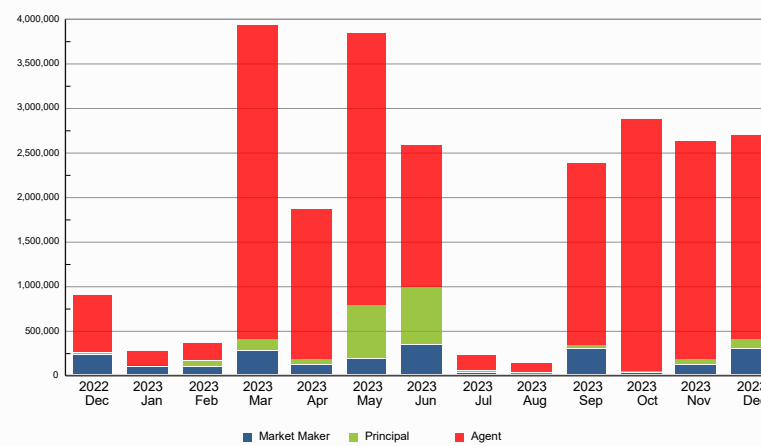
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

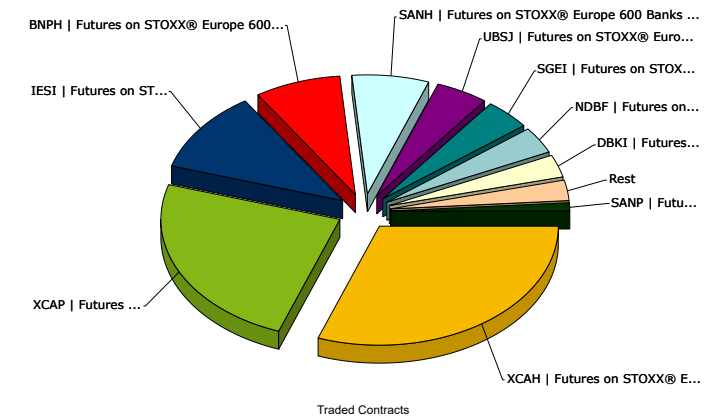
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	2,709,776	200.9%	142,620	0.00%	126	85.1%	10.7%	4.2%	5,057	1,022,790		
Nov 2023	2,626,736	106.0%	119,397	0.00%	110	93.1%	4.9%	2.0%	3,998	1,021,331		
Oct 2023	2,875,287	299.3%	130,695	0.00%	65	98.1%	1.4%	0.5%	1,950	2,446,685		
Sep 2023	2,388,677	111.4%	113,747	0.00%	101	85.3%	12.6%	2.1%	2,702	1,044,640		
Aug 2023	139,691	58.2%	6,074	0.02%	20	85.7%	12.5%	1.8%	291	1,687,844		
Jul 2023	222,162	-28.4%	10,579	0.00%	16	81.2%	17.4%	1.4%	303	1,669,128		
Jun 2023	2,594,602	-2.3%	117,936	0.00%	104	61.5%	13.1%	25.3%	3,605	1,659,966		
May 2023	3,846,749	44.2%	174,852	0.00%	166	79.4%	5.1%	15.5%	6,002	3,251,249		
Apr 2023	1,871,749	-53.3%	103,986	0.00%	65	89.7%	6.4%	3.9%	2,182	1,558,300		
Mar 2023	3,940,526	-11.3%	171,327	0.00%	113	89.8%	7.0%	3.2%	3,771	970,470		
Feb 2023	370,531	22.5%	18,527	0.01%	31	53.9%	27.1%	19.0%	675	1,080,756		
Jan 2023	285,393	-37.5%	12,972	0.00%	43	64.3%	30.4%	5.3%	646	972,146		
Dec 2022	900,415	-26.9%	42,877	0.01%	107	70.7%	26.9%	2.3%	2,126	978,578		

Most Active Products (Traded Contracts)		
Crédit Agricole	XCAH	830,400
Credit Agricole	XCAP	655,000
Intesa Sanpaolo	IESI	301,950
BNP Paribas	BNPH	209,282
Banco Santander S.A.	SANH	185,000
UBS Group AG	UBSJ	131,000
Société Générale	SGEI	109,300
Nordea Bank ABP	NDBF	100,000
Deutsche Bank AG	DBKI	83,750
Banco Santander (physical)	SANP	26,500

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	23,871,879	25.9%	93,615	0.00%	960	84.5%	8.1%	7.4%	31,184	2,463,974		
2022	18,958,750	33.4%	73,769	0.00%	1,093	83.9%	13.9%	2.2%	25,645	1,373,527		
2021	14,207,892	14.8%	55,500	0.04%	1,175	80.3%	13.3%	6.4%	34,581	1,416,119		
2020	12,371,513	-85.0%	48,516	0.07%	1,409	57.4%	32.0%	10.5%	15,390	832,654		
2019	82,603,003	51.3%	326,494	0.05%	4,192	85.4%	9.4%	5.2%	76,906	2,253,064		



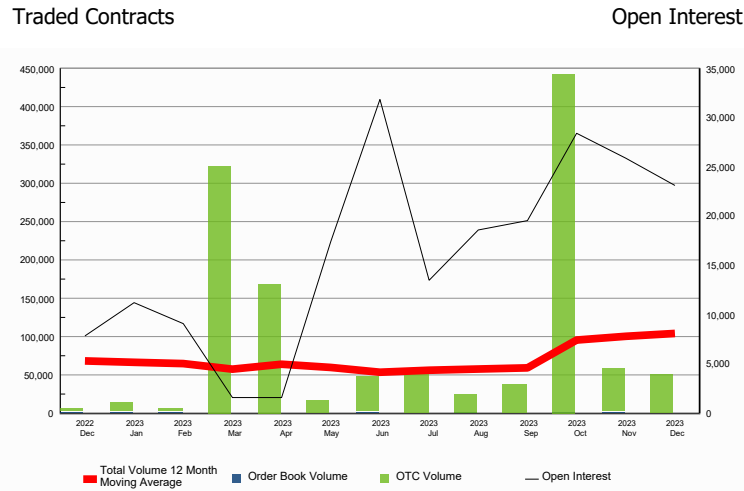
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Basic Resources Components

Number of Products 35  
 Number of Series 527  
 Launched Products per Month 0

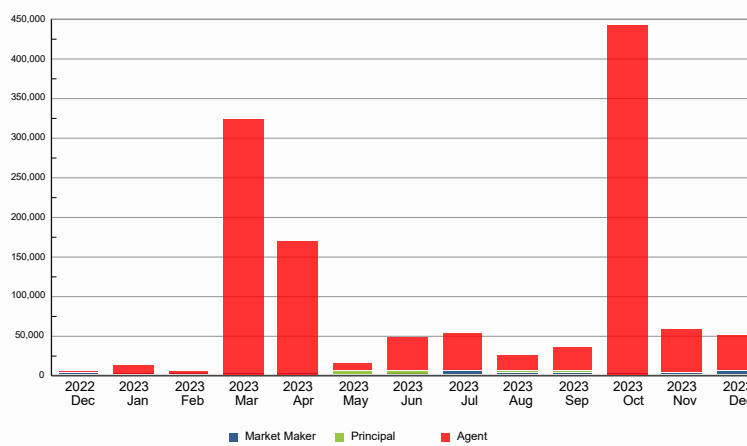
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year ↑  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

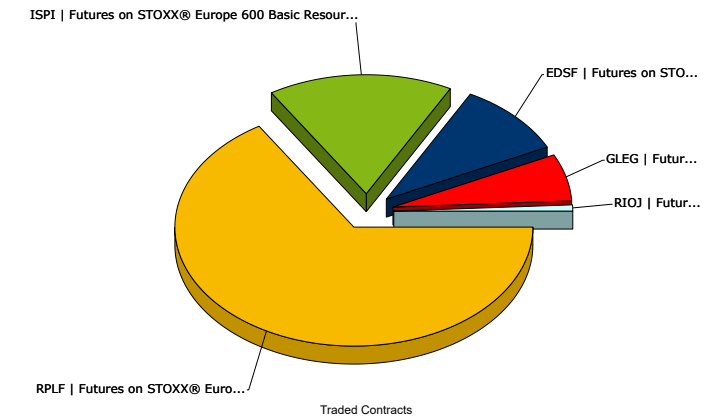
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	51,030	724.4%	2,686	0.00%	8	87.5%	12.5%	0.0%	189	23,110		
Nov 2023	59,125	>1000%	2,688	0.13%	11	93.5%	6.5%	0.0%	183	25,880		
Oct 2023	442,260	>1000%	20,103	0.01%	29	99.8%	0.2%	0.0%	1,395	28,405		
Sep 2023	37,480	91.7%	1,785	0.00%	7	82.1%	11.2%	6.7%	112	19,545		
Aug 2023	26,155	255.9%	1,137	0.19%	6	80.7%	9.7%	9.6%	76	18,595		
Jul 2023	54,900	133.3%	2,614	0.00%	12	89.9%	10.1%	0.0%	245	13,490		
Jun 2023	49,505	-60.2%	2,250	0.15%	11	89.7%	0.2%	10.1%	159	31,840		
May 2023	16,280	-75.4%	740	0.00%	4	69.3%	0.0%	30.7%	63	17,420		
Apr 2023	169,600	82.5%	9,422	0.00%	17	99.9%	0.1%	0.0%	529	1,590		
Mar 2023	323,300	-21.2%	14,057	0.00%	21	99.7%	0.3%	0.0%	416	1,590		
Feb 2023	6,200	-76.6%	310	4.03%	16	94.8%	5.2%	0.0%	46	9,090		
Jan 2023	13,353	-61.6%	607	2.06%	25	84.5%	15.5%	0.0%	163	11,220		
Dec 2022	6,190	-93.0%	295	3.23%	14	60.0%	40.0%	0.0%	59	7,845		

Most Active Products (Traded Contracts)			
UPM-Kymmene	RPLF		33,800
ARCELORMITTAL	ISPI		8,500
Endesa S.A.	EDSF		5,000
GLENCORE PLC	GLEG		3,300
RIO TINTO PLC , REGISTERED SHARES LS	RIOJ		430

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	1,249,188	52.6%	4,899	0.06%	167	96.6%	2.2%	1.2%	3,576	23,260		
2022	818,680	-14.6%	3,186	0.20%	248	73.9%	14.4%	11.7%	3,040	23,820		
2021	958,090	87.3%	3,743	0.04%	181	68.4%	17.3%	14.3%	2,830	61,525		
2020	511,542	-37.3%	2,006	0.06%	147	68.1%	25.2%	6.8%	1,260	72,980		
2019	815,384	92.3%	3,223	0.05%	302	81.8%	11.6%	6.6%	2,077	107,975		

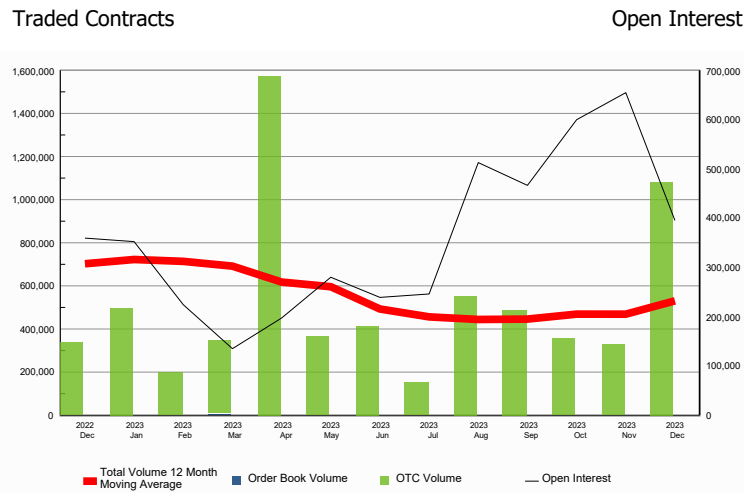
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Chemicals Components

Number of Products 62  
 Number of Series 1,021  
 Launched Products per Month 0

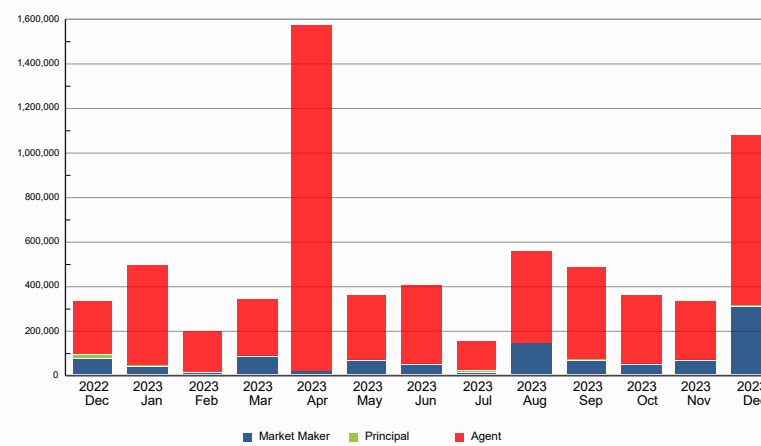
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

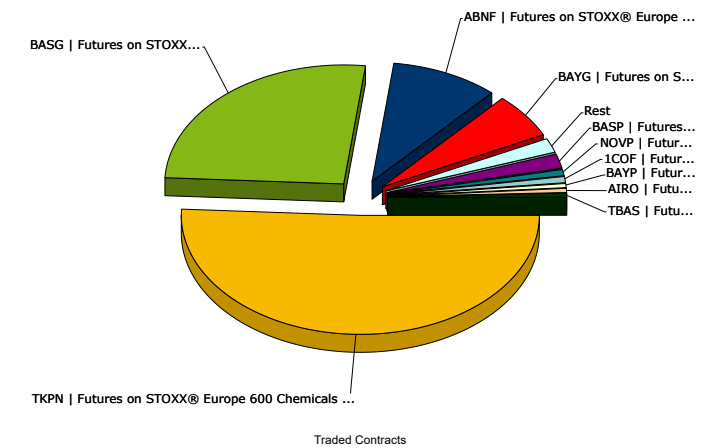
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,081,504	219.8%	56,921	0.00%	76	70.7%	28.4%	0.9%	2,480	395,259		
Nov 2023	333,223	-0.9%	15,147	0.00%	56	79.5%	19.6%	0.9%	870	654,617		
Oct 2023	361,271	324.3%	16,421	0.00%	38	86.3%	13.4%	0.3%	1,058	599,696		
Sep 2023	488,759	4.6%	23,274	0.00%	82	84.9%	12.9%	2.2%	2,155	466,475		
Aug 2023	555,560	-20.7%	24,155	0.00%	32	74.3%	25.7%	0.0%	995	512,673		
Jul 2023	154,934	-73.9%	7,378	0.00%	14	84.7%	9.3%	6.0%	334	246,067		
Jun 2023	409,614	-75.2%	18,619	0.00%	80	88.6%	11.4%	0.1%	2,305	239,136		
May 2023	365,349	-41.3%	16,607	0.00%	67	81.2%	17.7%	1.1%	2,313	280,002		
Apr 2023	1,572,120	-36.1%	87,340	0.00%	49	98.7%	1.3%	0.0%	1,500	197,251		
Mar 2023	345,529	-43.4%	15,023	0.06%	101	74.8%	24.0%	1.3%	2,074	135,056		
Feb 2023	202,866	-33.8%	10,143	0.01%	31	94.4%	5.6%	0.0%	728	224,291		
Jan 2023	496,726	91.4%	22,578	0.00%	66	91.0%	8.6%	0.4%	1,143	352,291		
Dec 2022	338,193	-49.4%	16,104	0.01%	117	71.4%	22.7%	5.9%	2,063	359,458		

### Most Active Products (Traded Contracts)

TRF ON KON. KPN N.V.	TKPN	549,272
BASF	BASG	282,499
ABN AMRO Bank	ABNF	105,000
BAYER AG	BAYG	67,510
PHY BASF AG	BASP	18,750
Novartis	NOVP	9,000
Covestro AG	1COF	8,500
PHY BAYER AG	BAYP	7,350
AIR LIQUIDE	AIRO	6,500
TRF ON BASF	TBAS	5,614

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	6,367,455	-24.5%	24,970	0.00%	692	85.0%	14.3%	0.7%	17,955	481,116		
2022	8,430,700	5.2%	32,804	0.01%	1,190	75.2%	23.0%	1.8%	31,217	891,096		
2021	8,012,229	41.0%	31,298	0.00%	1,076	83.3%	12.6%	4.1%	37,996	393,429		
2020	5,682,358	-45.7%	22,284	0.04%	1,404	82.3%	9.8%	7.9%	34,562	655,361		
2019	10,466,419	58.2%	41,369	0.03%	1,972	89.3%	5.3%	5.4%	40,169	970,774		

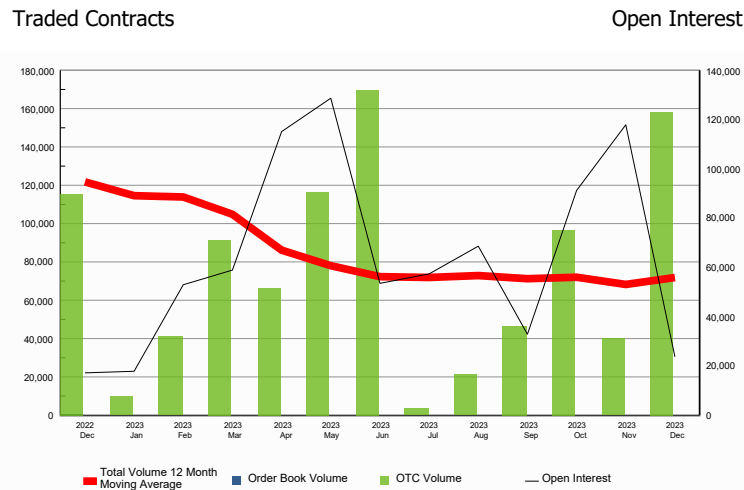
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Construction & Materials Components

Number of Products 30  
 Number of Series 465  
 Launched Products per Month 0

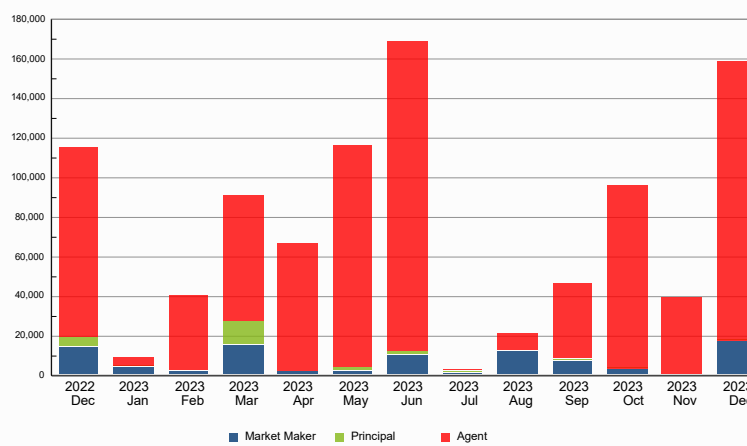
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

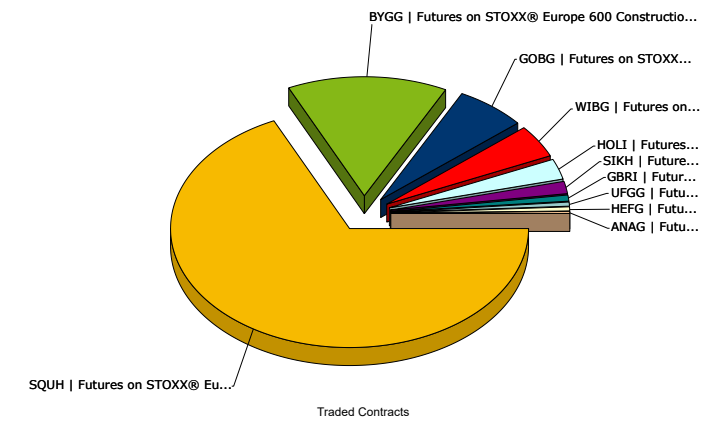
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	158,684	37.6%	8,352	0.00%	50	88.8%	11.1%	0.1%	1,596	23,712		
Nov 2023	39,840	-53.2%	1,811	0.00%	15	100.0%	0.0%	0.0%	531	117,882		
Oct 2023	96,183	10.7%	4,372	0.01%	15	96.8%	3.1%	0.2%	953	91,237		
Sep 2023	46,757	-29.7%	2,227	0.00%	31	81.1%	15.8%	3.0%	460	32,860		
Aug 2023	21,911	121.1%	953	0.00%	17	43.5%	56.5%	0.0%	172	68,625		
Jul 2023	3,830	-57.7%	182	0.00%	6	39.9%	47.7%	12.4%	51	57,355		
Jun 2023	169,256	-28.8%	7,693	0.00%	48	92.6%	5.9%	1.5%	1,074	53,525		
May 2023	116,840	-45.4%	5,311	0.00%	23	95.9%	2.4%	1.7%	835	128,680		
Apr 2023	66,720	-77.1%	3,707	0.00%	16	96.3%	3.7%	0.0%	494	115,090		
Mar 2023	91,539	-54.2%	3,980	0.00%	44	70.2%	16.4%	13.3%	824	58,910		
Feb 2023	40,798	-16.6%	2,040	0.00%	12	94.2%	5.8%	0.0%	557	52,956		
Jan 2023	9,922	-89.7%	451	0.00%	15	55.6%	41.9%	2.6%	94	17,844		
Dec 2022	115,347	-64.5%	5,493	0.01%	51	83.5%	12.9%	3.6%	1,149	17,194		

Most Active Products (Traded Contracts)		
Vinci	SQUH	108,000
Bouygues	BYGG	22,750
Saint-Gobain	GOBG	10,400
Wienerberger	WIBG	7,000
Holcim Ltd.	HOLI	4,400
SIKA AG	SIKH	2,550
Geberit (100)	GBRI	1,430
Ferrovial	UFGG	964
Fut on Heidelberg Materials AG	HEFG	920
Acciona	ANAG	270

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	862,280	-41.0%	3,381	0.00%	292	88.6%	9.2%	2.2%	7,641	35,184		
2022	1,461,265	-38.3%	5,686	0.01%	419	82.3%	15.1%	2.6%	10,400	42,650		
2021	2,369,047	118.4%	9,254	0.08%	599	84.7%	13.4%	1.9%	17,171	117,080		
2020	1,084,598	-67.8%	4,253	0.04%	373	72.3%	26.4%	1.4%	5,349	106,688		
2019	3,369,277	-6.5%	13,317	0.32%	1,488	87.4%	11.6%	1.0%	20,003	109,135		

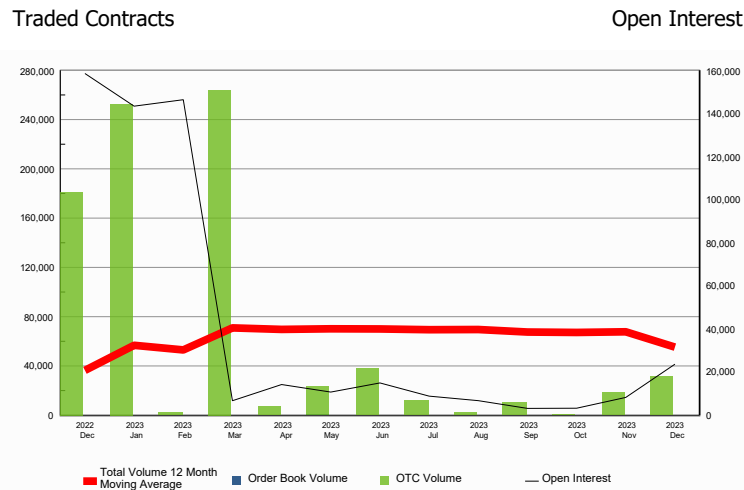
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Financial Services Components

Number of Products 28  
 Number of Series 405  
 Launched Products per Month 0

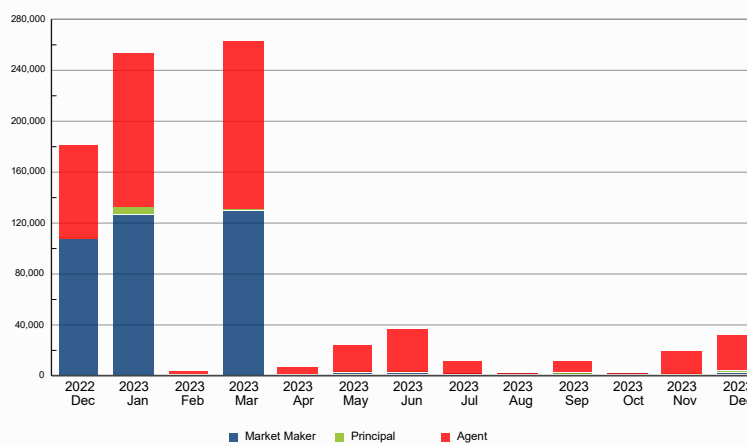
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ↑  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

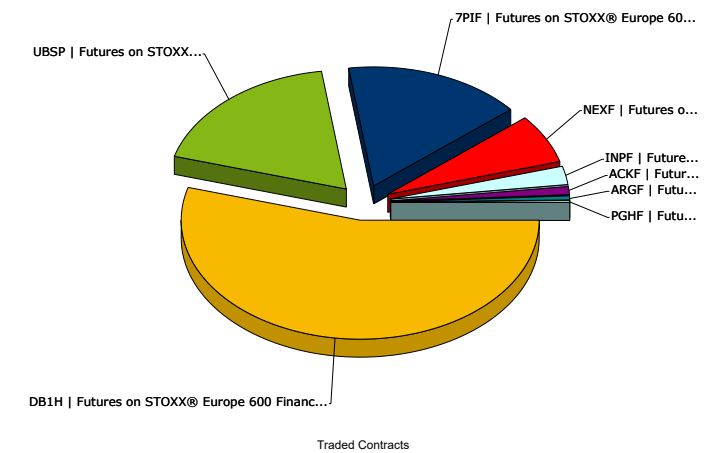
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	31,570	-82.5%	1,662	0.00%	17	88.2%	9.2%	2.6%	398	23,673		
Nov 2023	19,109	48.7%	869	0.00%	10	95.7%	0.0%	4.3%	171	8,264		
Oct 2023	92	-97.7%	4	0.00%	2	25.5%	74.5%	0.0%	9	3,254		
Sep 2023	10,792	-69.5%	514	0.00%	15	78.3%	1.6%	20.1%	80	3,162		
Aug 2023	2,900	163.6%	126	0.00%	3	94.8%	5.2%	0.0%	44	6,758		
Jul 2023	11,479	-38.3%	547	0.00%	7	99.8%	0.2%	0.0%	118	8,858		
Jun 2023	37,479	-4.2%	1,704	0.00%	26	95.6%	3.7%	0.7%	397	14,979		
May 2023	23,470	33.9%	1,067	0.11%	22	89.6%	9.3%	1.1%	257	10,732		
Apr 2023	7,500	-66.3%	417	0.00%	2	100.0%	0.0%	0.0%	59	14,233		
Mar 2023	263,276	441.3%	11,447	0.00%	9	50.6%	49.4%	0.0%	133	6,733		
Feb 2023	3,000	-93.8%	150	0.00%	1	100.0%	0.0%	0.0%	10	146,358		
Jan 2023	252,764	>1000%	11,489	0.00%	15	47.7%	49.9%	2.4%	146	143,358		
Dec 2022	180,914	>1000%	8,615	0.00%	13	40.9%	59.0%	0.0%	225	158,512		

Most Active Products (Traded Contracts)		
Deutsche Börse	DB1H	17,205
UBS	UBSP	5,750
Poste Italiane	7PIF	5,150
Nexi SpA	NEXF	2,099
Interpump Group SpA	INPF	720
Ackermans & van Haaren	ACKF	399
argenx SE	ARGF	200
Partners Grp Holding	PGHF	47

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	663,431	51.9%	2,602	0.00%	129	58.8%	39.7%	1.6%	1,822	157,622		
2022	436,743	327.6%	1,699	0.00%	126	55.5%	41.9%	2.7%	2,149	180,187		
2021	102,144	-14.5%	399	0.00%	101	87.1%	7.9%	5.0%	1,217	25,111		
2020	119,508	-30.2%	469	0.02%	119	68.5%	22.8%	8.7%	1,255	11,003		
2019	171,204	4.1%	677	0.01%	127	86.5%	9.5%	4.0%	756	22,313		

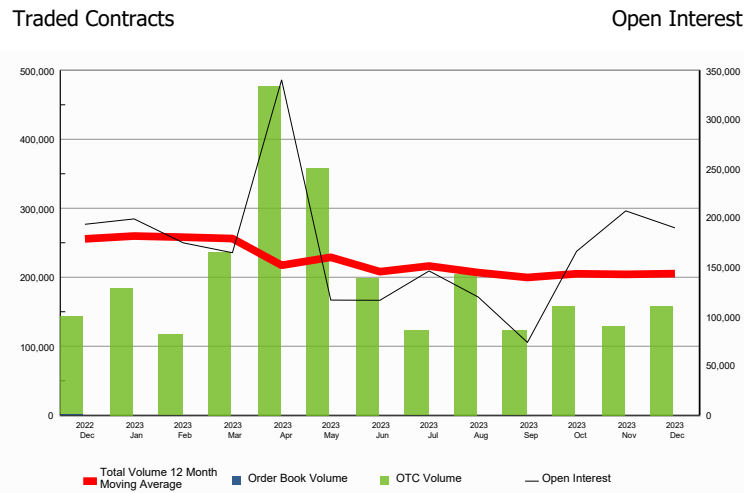
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Food & Beverage Components

Number of Products 42  
 Number of Series 666  
 Launched Products per Month 0

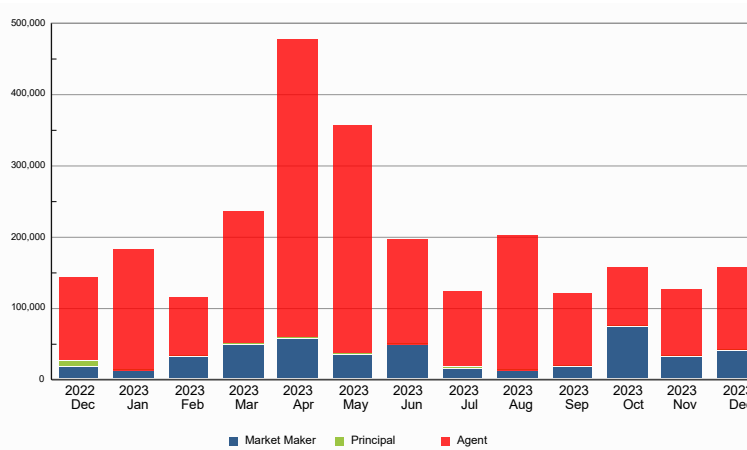
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

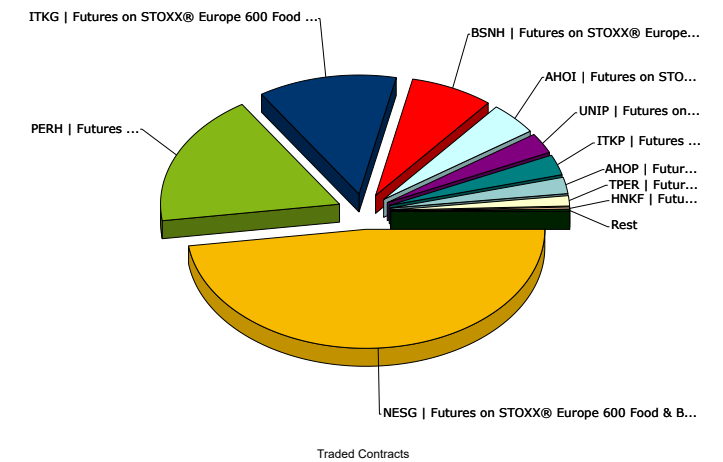
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	157,471	8.9%	8,288	0.00%	55	74.2%	25.7%	0.1%	1,543	190,123		
Nov 2023	127,737	-7.5%	5,806	0.00%	42	74.5%	24.3%	1.2%	1,372	207,364		
Oct 2023	158,772	67.5%	7,217	0.00%	56	52.6%	47.2%	0.3%	1,528	166,341		
Sep 2023	122,000	-41.0%	5,810	0.00%	41	85.3%	14.1%	0.5%	870	73,869		
Aug 2023	203,895	-35.8%	8,865	0.00%	18	94.5%	5.3%	0.2%	1,087	119,889		
Jul 2023	124,641	365.9%	5,935	0.02%	28	86.7%	13.0%	0.3%	979	146,404		
Jun 2023	197,299	-55.9%	8,968	0.00%	56	75.7%	24.0%	0.3%	1,390	116,625		
May 2023	358,226	62.9%	16,283	0.00%	52	89.8%	10.0%	0.2%	2,441	116,827		
Apr 2023	477,750	-49.3%	26,542	0.00%	79	87.5%	12.0%	0.5%	3,747	340,277		
Mar 2023	236,042	-9.1%	10,263	0.00%	63	78.0%	21.0%	1.0%	1,713	164,896		
Feb 2023	116,308	-14.7%	5,815	0.00%	25	71.8%	27.0%	1.2%	816	174,884		
Jan 2023	182,875	37.0%	8,313	0.00%	27	92.8%	6.5%	0.8%	784	199,192		
Dec 2022	144,583	-44.8%	6,885	0.18%	49	82.7%	12.1%	5.2%	1,207	193,745		

Most Active Products (Traded Contracts)		
Nestlé	NESG	75,270
Pernod Ricard	PERH	28,270
Anheuser-Bush InBev	ITKG	19,780
Danone	BSNH	11,900
Ahold N.V.	AHOI	7,000
PHY UNILEVER PLC	UNIP	4,400
PHY ANHEUSER-BUSCH INBEV	ITKP	4,200
PHY Ahold DELHAIZE N.V.	AHOP	3,400
TRF ON Pernod Ricard	TPER	2,479
Heineken	HNKF	400

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	2,463,016	-19.7%	9,659	0.00%	542	82.3%	17.2%	0.5%	18,269	223,374		
2022	3,067,429	-29.3%	11,936	0.01%	640	79.2%	19.3%	1.5%	18,644	238,981		
2021	4,340,256	-20.7%	16,954	0.01%	818	81.6%	17.1%	1.3%	26,395	331,221		
2020	5,475,073	-45.1%	21,471	0.01%	1,011	78.2%	19.8%	2.1%	32,491	164,485		
2019	9,969,673	-10.4%	39,406	0.02%	1,776	82.3%	13.4%	4.3%	63,546	246,802		

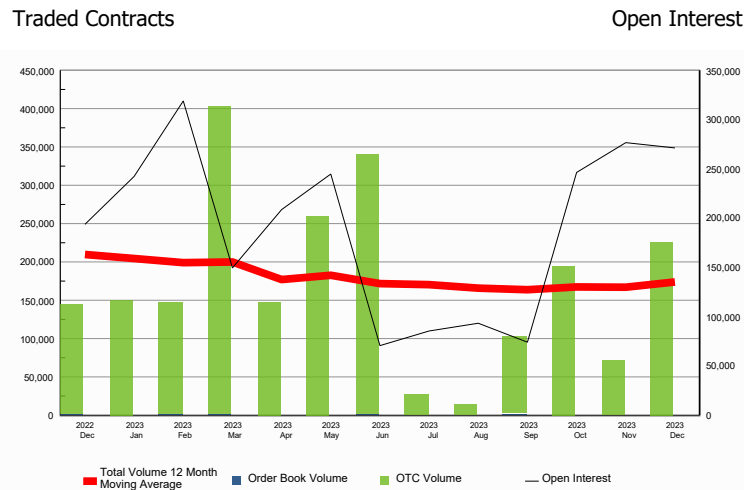
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Health Care Components

Number of Products 57  
 Number of Series 1,086  
 Launched Products per Month 0

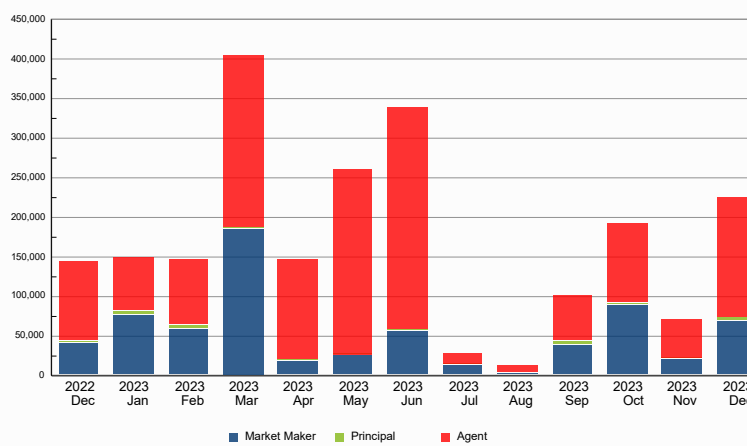
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

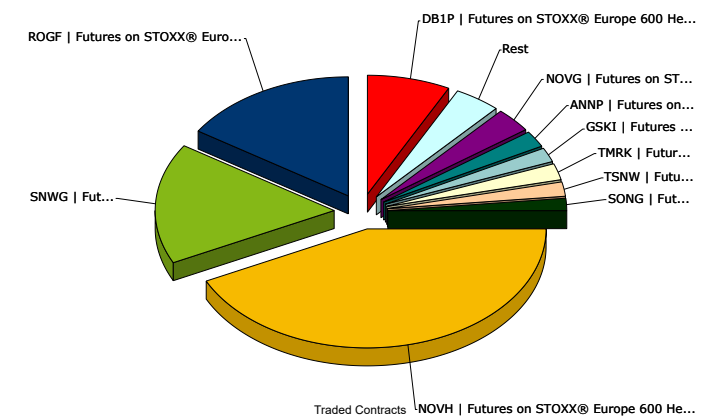
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	226,423	56.9%	11,917	0.00%	128	67.1%	30.4%	2.5%	3,003	271,208		
Nov 2023	71,400	-5.3%	3,245	0.00%	55	69.8%	29.5%	0.7%	1,163	276,596		
Oct 2023	193,322	29.0%	8,787	0.00%	108	52.7%	46.6%	0.7%	2,890	246,341		
Sep 2023	102,456	-19.4%	4,879	0.06%	68	57.3%	38.5%	4.2%	1,388	74,121		
Aug 2023	13,990	-79.6%	608	0.00%	15	73.6%	26.4%	0.0%	237	93,350		
Jul 2023	27,569	-37.4%	1,313	0.00%	22	49.5%	48.6%	1.9%	424	85,500		
Jun 2023	340,137	-27.7%	15,461	0.02%	94	82.5%	16.4%	1.1%	3,677	70,626		
May 2023	260,868	34.8%	11,858	0.00%	52	89.8%	10.1%	0.1%	2,589	244,729		
Apr 2023	148,086	-65.0%	8,227	0.00%	53	86.5%	12.9%	0.7%	1,598	208,617		
Mar 2023	404,276	2.6%	17,577	0.03%	131	53.5%	46.0%	0.4%	3,968	149,477		
Feb 2023	147,170	-30.5%	7,359	0.04%	72	56.4%	39.8%	3.8%	1,930	318,869		
Jan 2023	150,659	-29.6%	6,848	0.00%	84	45.0%	51.6%	3.4%	1,436	242,279		
Dec 2022	144,315	-64.7%	6,872	0.05%	78	69.2%	28.1%	2.7%	1,621	193,699		

Most Active Products (Traded Contracts)		
NOVARTIS	NOVH	96,630
SANOFI	SNWG	37,248
Roche Holding	ROGF	36,180
Deutsche Boerse [physical]	DB1P	17,000
NOVARTIS SANDOZ	NOVG	7,200
BASKET		
Vonovia [physical]	ANNP	5,000
GSK Plc	GSKI	4,900
TRF ON Merck KGaA	TMRK	4,818
TRF ON SANOFI	TSNW	4,468
Sonova (100)	SONG	3,640

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	2,086,356	-17.1%	8,182	0.02%	882	66.9%	31.6%	1.4%	24,303	299,413		
2022	2,516,541	-35.1%	9,792	0.13%	1,028	70.5%	28.5%	1.0%	27,523	247,053		
2021	3,876,406	7.2%	15,142	0.11%	1,241	74.3%	24.0%	1.7%	37,817	343,642		
2020	3,615,377	-55.2%	14,178	0.04%	1,460	66.4%	31.8%	1.8%	44,784	197,187		
2019	8,073,391	37.1%	31,911	0.08%	2,803	76.3%	22.0%	1.7%	77,120	468,716		

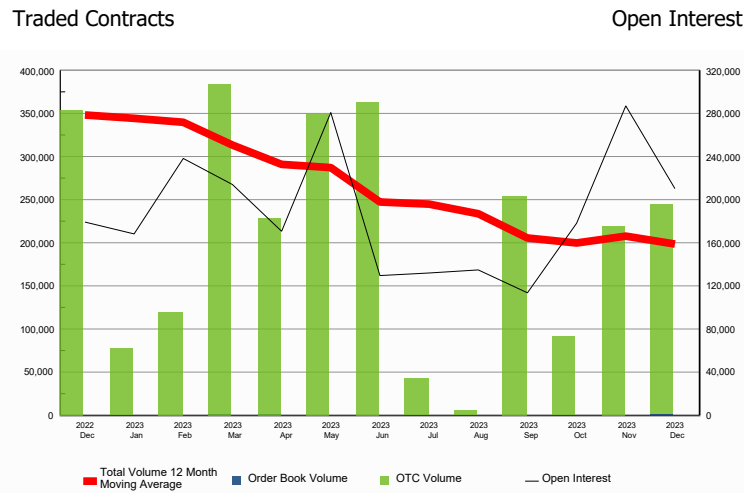
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Industrial Goods & Services Components

Number of Products 122  
 Number of Series 1,835  
 Launched Products per Month 0

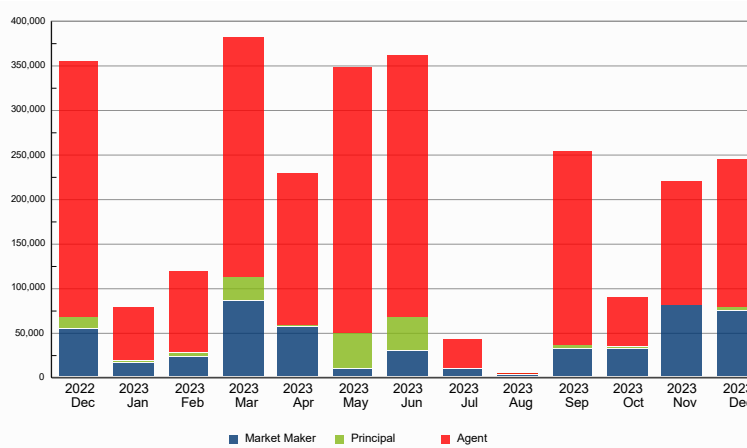
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

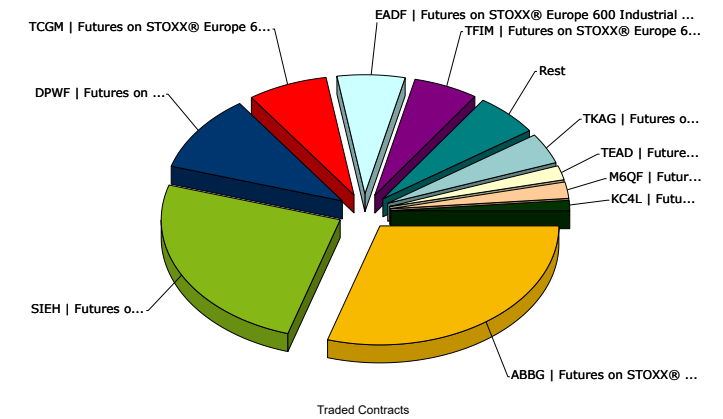
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	244,476	-31.1%	12,867	0.05%	91	67.8%	30.6%	1.6%	2,149	210,218		
Nov 2023	219,811	76.8%	9,991	0.00%	53	62.9%	37.1%	0.0%	1,327	286,990		
Oct 2023	91,166	-43.2%	4,144	0.00%	31	61.7%	34.7%	3.6%	490	178,115		
Sep 2023	255,210	-56.9%	12,153	0.00%	87	85.4%	13.0%	1.6%	1,547	113,559		
Aug 2023	5,627	-96.0%	245	0.00%	8	48.2%	42.2%	9.6%	39	134,792		
Jul 2023	43,362	-40.4%	2,065	0.00%	20	75.6%	24.4%	0.0%	353	131,966		
Jun 2023	362,476	-56.9%	16,476	0.00%	119	81.5%	8.3%	10.2%	3,337	129,556		
May 2023	348,360	-11.4%	15,835	0.00%	52	85.9%	2.9%	11.2%	2,743	280,802		
Apr 2023	229,473	-53.9%	12,749	0.01%	79	74.4%	24.8%	0.9%	1,860	170,665		
Mar 2023	383,115	-45.3%	16,657	0.01%	135	70.7%	22.6%	6.6%	2,700	214,020		
Feb 2023	120,372	-31.4%	6,019	0.01%	42	76.1%	19.6%	4.3%	964	238,202		
Jan 2023	78,715	-37.1%	3,578	0.00%	60	76.4%	21.8%	1.8%	626	168,207		
Dec 2022	354,669	10.3%	16,889	0.00%	108	80.5%	15.2%	4.3%	2,542	179,198		

Most Active Products (Traded Contracts)		
ABB LTD	ABBG	72,850
Siemens	SIEH	61,203
Deutsche Post	DPWF	25,800
TRF ON Capgemini	TCGM	17,439
European Aeronautic Defence and Space Co	EADF	14,855
TRF ON Fiat Industrial	TFIM	14,605
ThyssenKrupp	TKAG	10,000
TRF ON AIRBUS SE	TEAD	5,130
Metso Corporation	M6QF	4,962
KONE	KC4L	3,700

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	2,382,163	-43.0%	9,342	0.01%	777	75.6%	19.3%	5.1%	18,137	323,468		
2022	4,177,983	59.0%	16,257	0.02%	1,248	80.9%	16.9%	2.2%	29,291	336,878		
2021	2,627,007	-32.0%	10,262	0.06%	1,019	71.3%	23.0%	5.7%	20,937	254,693		
2020	3,863,880	-52.1%	15,152	0.07%	1,580	71.4%	22.1%	6.6%	23,090	228,798		
2019	8,073,012	22.3%	31,909	0.05%	2,568	83.9%	11.1%	5.0%	53,917	422,767		

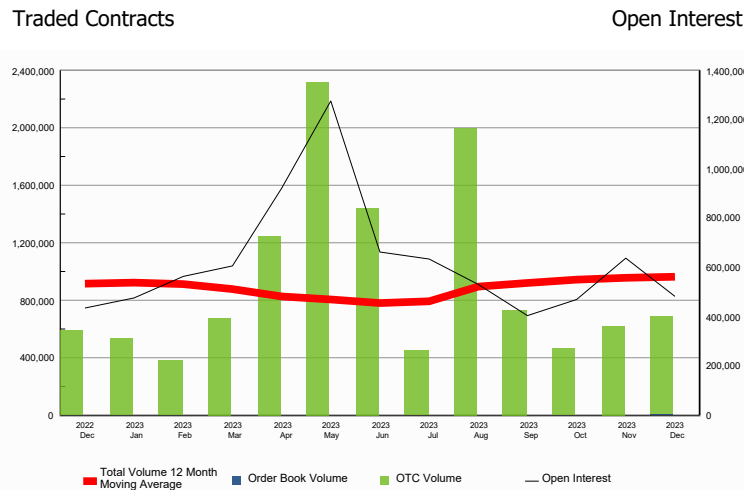
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Insurance Components

Number of Products 94  
 Number of Series 1,210  
 Launched Products per Month 0

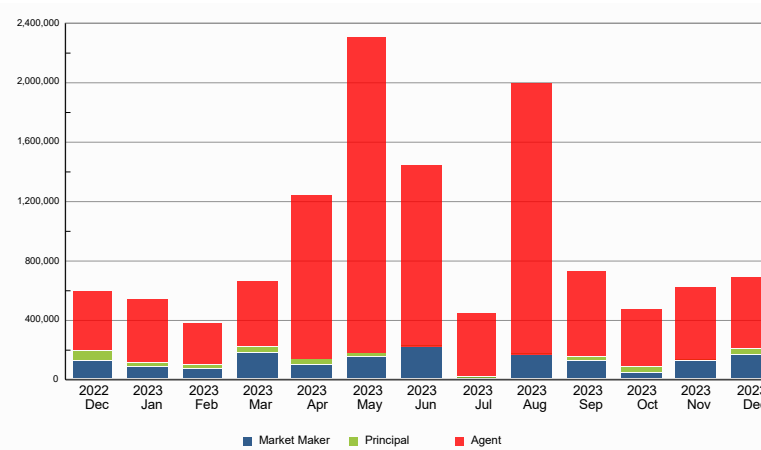
### Volume Development Trend

MoM Change → YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

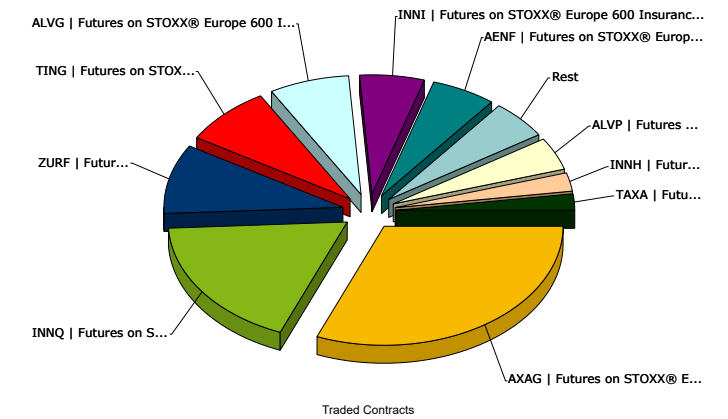
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	684,924	14.7%	36,049	0.09%	107	69.9%	24.3%	5.8%	3,635	482,415		
Nov 2023	619,743	32.9%	28,170	0.00%	89	79.2%	20.0%	0.7%	1,898	637,446		
Oct 2023	471,341	143.9%	21,425	0.00%	44	83.3%	10.2%	6.5%	1,084	469,706		
Sep 2023	734,096	70.8%	34,957	0.00%	93	79.9%	16.4%	3.7%	1,842	404,322		
Aug 2023	2,003,562	157.7%	87,111	0.00%	44	91.5%	8.3%	0.2%	2,219	530,845		
Jul 2023	448,288	48.2%	21,347	0.00%	27	96.2%	1.6%	2.2%	723	634,005		
Jun 2023	1,447,491	-17.1%	65,795	0.00%	130	84.6%	14.9%	0.5%	3,800	662,375		
May 2023	2,310,906	-9.8%	105,041	0.00%	164	92.5%	6.6%	0.9%	5,598	1,275,620		
Apr 2023	1,247,449	-33.0%	69,303	0.00%	120	89.2%	8.5%	2.4%	3,070	920,976		
Mar 2023	668,610	-38.3%	29,070	0.00%	129	66.4%	26.5%	7.1%	2,442	605,990		
Feb 2023	388,400	-24.2%	19,420	0.00%	40	74.4%	16.9%	8.7%	1,120	563,430		
Jan 2023	536,900	19.5%	24,405	0.00%	60	80.3%	16.0%	3.7%	1,700	476,074		
Dec 2022	597,033	-32.8%	28,430	0.02%	104	66.9%	20.2%	12.9%	1,886	435,082		

Most Active Products (Traded Contracts)		
AXA	AXAG	212,152
FUT ON PHY ING	INNQ	124,168
Zurich Insurance Group	ZURF	64,750
TRF ON ING	TING	55,040
Allianz (100)	ALVG	49,885
ING GROEP NV	INNI	40,436
Aegon	AENF	40,000
PHY ALLIANZ SE	ALVP	30,400
FUT ON ING	INNH	18,066
TRF ON AXA	TAXA	15,134

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	11,561,710	5.3%	45,340	0.01%	1,047	85.2%	12.4%	2.4%	29,132	717,166		
2022	10,983,500	-7.7%	42,737	0.00%	1,269	76.1%	20.9%	2.9%	32,187	494,942		
2021	11,894,374	20.9%	46,462	0.00%	1,382	77.7%	18.1%	4.2%	35,825	839,400		
2020	9,836,978	-59.2%	38,576	0.03%	1,442	65.4%	31.6%	3.1%	26,487	785,829		
2019	24,085,309	49.0%	95,199	0.33%	5,506	80.8%	17.3%	1.9%	58,460	1,454,844		



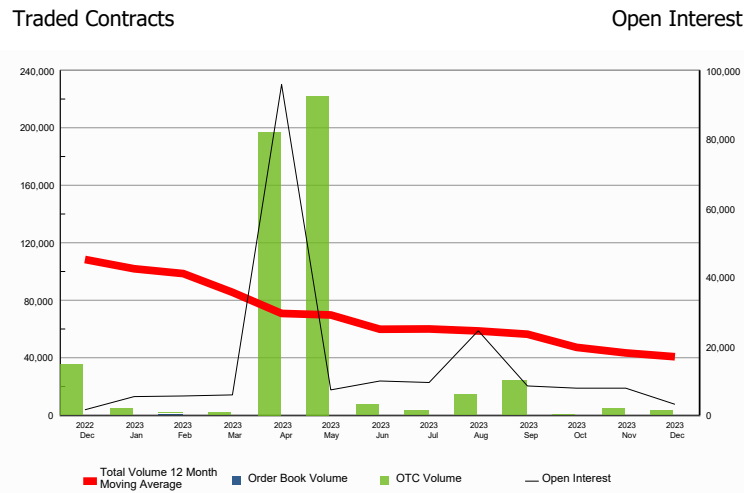
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Media Components

Number of Products 25  
 Number of Series 367  
 Launched Products per Month 0

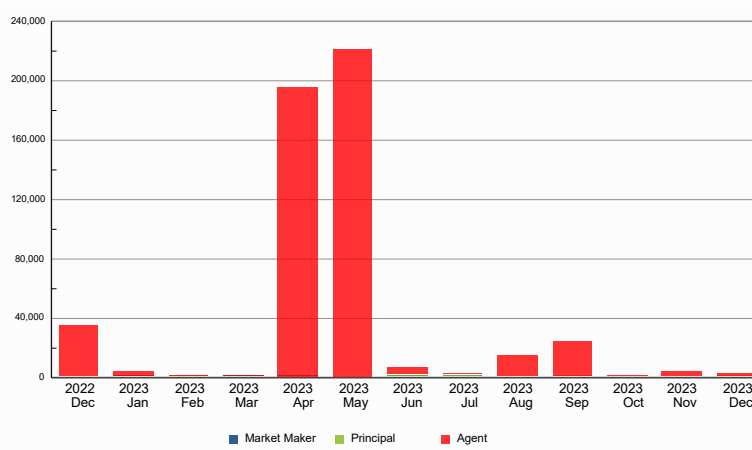
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ↓  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

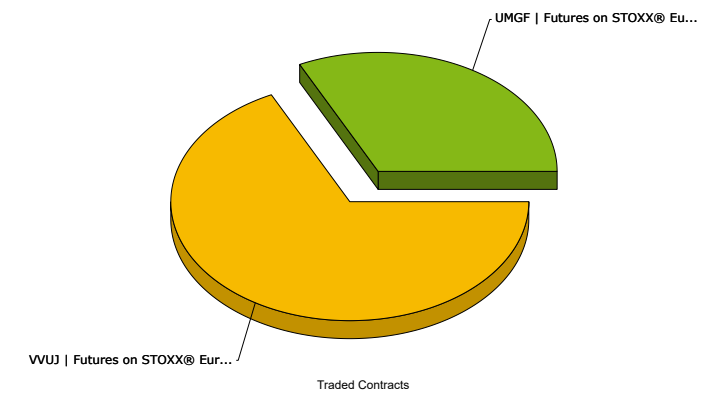
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	3,827	-89.3%	201	0.00%	3	83.9%	0.0%	16.1%	5	3,173		
Nov 2023	5,110	-90.1%	232	0.00%	4	100.0%	0.0%	0.0%	6	7,842		
Oct 2023	1,104	-99.0%	50	0.00%	1	100.0%	0.0%	0.0%	<1	7,842		
Sep 2023	24,839	-52.4%	1,183	0.00%	7	98.3%	0.0%	1.7%	183	8,485		
Aug 2023	15,000	-52.3%	652	0.00%	1	100.0%	0.0%	0.0%	164	24,485		
Jul 2023	3,559	187.0%	169	0.00%	6	53.6%	21.1%	25.3%	20	9,485		
Jun 2023	7,839	-93.8%	356	0.00%	6	82.4%	9.6%	8.0%	35	9,926		
May 2023	222,000	-5.4%	10,091	0.00%	14	100.0%	0.0%	0.0%	415	7,347		
Apr 2023	196,348	-47.3%	10,908	0.00%	14	99.9%	0.1%	0.0%	220	95,887		
Mar 2023	1,950	-98.8%	85	0.00%	5	74.4%	25.6%	0.0%	13	5,893		
Feb 2023	1,705	-95.9%	85	3.58%	5	90.6%	0.0%	9.4%	9	5,583		
Jan 2023	5,007	-93.9%	228	0.00%	9	90.0%	10.0%	0.0%	14	5,400		
Dec 2022	35,701	-84.5%	1,700	0.00%	5	100.0%	0.0%	0.0%	33	1,576		

Most Active Products (Traded Contracts)		
Vivendi SA	VVUJ	2,591
Universal Music Group	UMGF	1,236

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	488,288	-62.4%	1,915	0.01%	75	98.9%	0.6%	0.6%	1,085	34,745		
2022	1,300,305	-59.4%	5,060	0.00%	119	91.2%	8.5%	0.3%	3,022	66,362		
2021	3,206,057	169.0%	12,524	0.00%	330	77.9%	21.7%	0.4%	9,159	196,438		
2020	1,191,813	-70.4%	4,674	0.01%	159	70.4%	25.9%	3.6%	2,598	140,045		
2019	4,024,602	-21.7%	15,908	0.44%	967	82.3%	16.7%	1.0%	10,491	230,755		

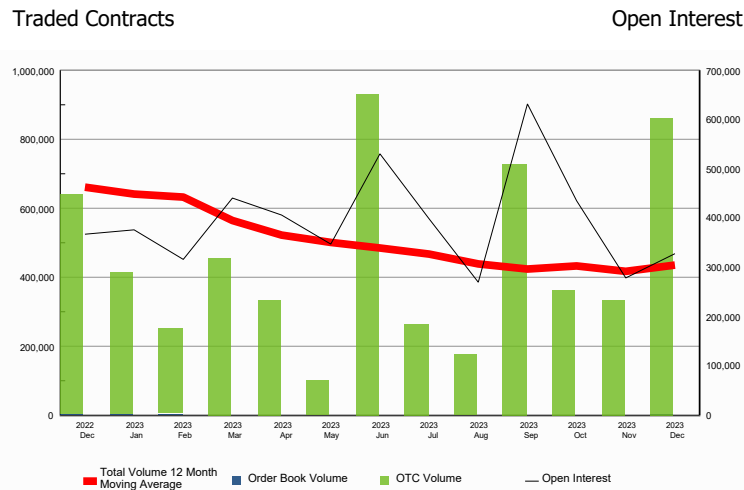
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Oil & Gas Components

Number of Products 29  
 Number of Series 419  
 Launched Products per Month 0

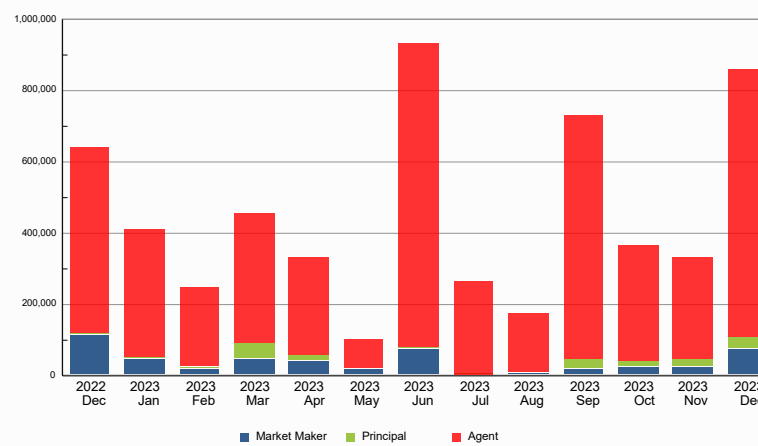
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

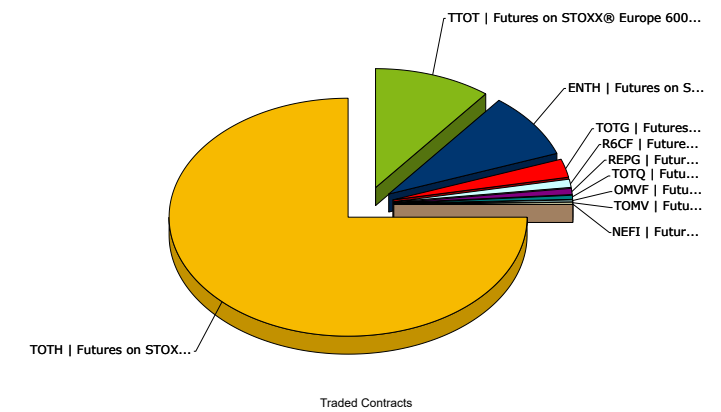
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	860,420	33.9%	45,285	0.01%	76	87.3%	8.7%	4.0%	5,406	327,896		
Nov 2023	335,788	-35.8%	15,263	0.00%	30	85.4%	7.7%	6.9%	2,072	278,610		
Oct 2023	363,958	41.9%	16,544	0.00%	36	88.4%	6.7%	4.9%	1,800	435,206		
Sep 2023	728,669	-19.6%	34,699	0.00%	81	93.7%	3.0%	3.3%	3,953	631,711		
Aug 2023	175,780	-66.1%	7,643	0.00%	13	96.6%	3.4%	0.0%	944	269,909		
Jul 2023	264,250	-44.4%	12,583	0.00%	12	98.7%	1.2%	0.1%	540	398,503		
Jun 2023	933,787	-17.2%	42,445	0.00%	80	91.6%	7.8%	0.7%	4,090	530,503		
May 2023	104,162	-71.0%	4,735	0.00%	9	81.8%	18.2%	0.0%	524	347,285		
Apr 2023	334,224	-60.3%	18,568	0.00%	32	83.3%	12.9%	3.8%	1,429	406,223		
Mar 2023	458,159	-64.0%	19,920	0.00%	62	80.6%	10.8%	8.6%	2,324	440,721		
Feb 2023	251,077	-29.6%	12,554	0.21%	24	89.8%	8.4%	1.8%	1,382	316,208		
Jan 2023	413,382	-36.7%	18,790	0.25%	42	86.9%	11.5%	1.7%	2,372	376,243		
Dec 2022	642,454	-37.7%	30,593	0.08%	82	81.6%	17.4%	1.0%	3,565	367,310		

Most Active Products (Traded Contracts)		
TOTALENERGIES SE	TOTH	644,130
TRF ON TotalEnergies SE	TTOT	91,347
Eni SpA	ENTH	78,100
TotalEnergies SE	TOTG	21,107
Shell Plc	R6CF	10,001
Repsol S.A.	REPG	5,500
TOTALENERGIES SE	TOTQ	5,000
OMV	OMVF	2,500
TRF ON OMV	TOMV	1,784
NESTE OYJ	NEFI	951

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	5,223,656	-34.2%	20,485	0.03%	497	88.9%	7.8%	3.2%	26,837	435,366		
2022	7,934,040	-35.9%	30,872	0.01%	637	82.8%	15.8%	1.4%	36,781	405,510		
2021	12,368,104	25.5%	48,313	0.01%	798	82.8%	14.7%	2.4%	45,851	1,029,897		
2020	9,852,329	-26.0%	38,637	0.02%	998	83.7%	13.6%	2.7%	30,905	696,566		
2019	13,312,824	50.1%	52,620	0.19%	3,142	90.6%	6.8%	2.6%	56,414	845,642		

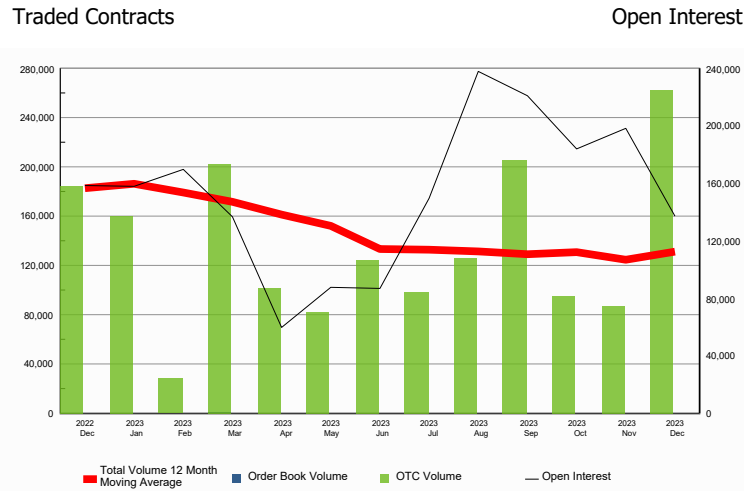
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Personal & Household Goods Components

Number of Products 82  
 Number of Series 1,411  
 Launched Products per Month 0

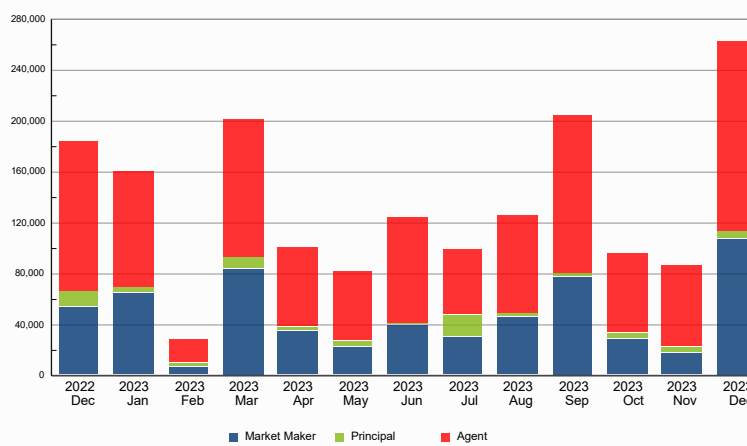
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ↓  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

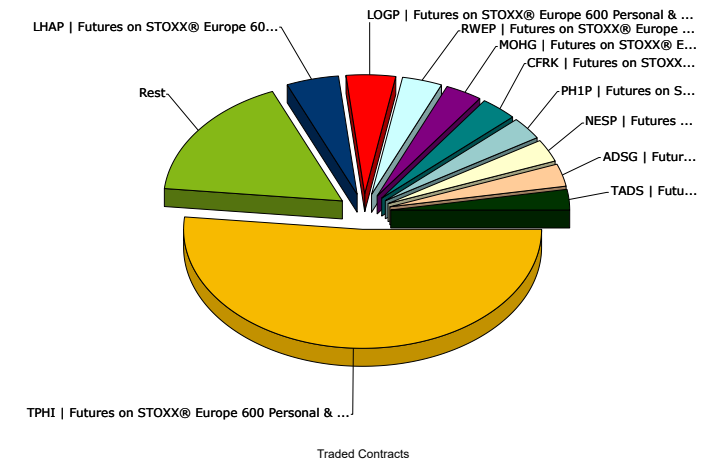
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	262,617	42.9%	13,822	0.00%	75	57.0%	40.7%	2.4%	2,364	137,150		
Nov 2023	87,242	-45.9%	3,966	0.00%	53	74.1%	20.0%	5.9%	1,345	198,218		
Oct 2023	95,829	26.9%	4,356	0.00%	40	65.4%	30.2%	4.3%	1,293	183,900		
Sep 2023	205,481	-11.7%	9,785	0.00%	89	60.8%	37.8%	1.5%	2,282	220,903		
Aug 2023	125,893	-11.8%	5,474	0.00%	31	61.2%	37.0%	1.8%	868	237,837		
Jul 2023	98,765	-6.3%	4,703	0.00%	36	51.9%	30.6%	17.5%	991	149,587		
Jun 2023	124,381	-64.4%	5,654	0.00%	101	66.2%	32.3%	1.6%	2,078	86,831		
May 2023	81,605	-57.4%	3,709	0.00%	55	66.3%	27.5%	6.2%	1,879	87,601		
Apr 2023	101,191	-55.1%	5,622	0.00%	35	62.6%	34.4%	3.0%	837	59,690		
Mar 2023	202,315	-31.0%	8,796	0.01%	83	53.6%	41.8%	4.6%	1,477	136,680		
Feb 2023	28,640	-74.8%	1,432	0.00%	23	67.2%	23.5%	9.3%	416	169,667		
Jan 2023	160,030	36.8%	7,274	0.00%	57	56.1%	40.9%	3.1%	724	157,856		
Dec 2022	183,749	8.2%	8,750	0.00%	82	63.4%	29.5%	7.1%	2,287	158,433		

### Most Active Products (Traded Contracts)

TRF ON Philips	TPHI	135,641
Deutsche Lufthansa AG	LHAP	12,250
Logitech [physical]	LOGP	11,600
RWE AG	RWEP	10,000
LVMH	MOHG	8,930
CFR A SHARES	CFRK	8,500
Nestle	NESP	8,000
PHY Koninklijke Philips NV	PH1P	8,000
Adidas	ADSG	7,913
TRF ON Adidas	TADS	7,350

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	1,573,989	-28.2%	6,173	0.00%	678	60.2%	35.7%	4.1%	16,552	223,893		
2022	2,191,928	64.5%	8,529	0.00%	802	68.4%	29.3%	2.3%	24,011	202,497		
2021	1,332,483	0.9%	5,205	0.00%	600	81.5%	13.5%	5.0%	25,740	155,153		
2020	1,320,914	-40.0%	5,180	0.03%	676	81.4%	16.2%	2.3%	21,919	97,814		
2019	2,201,454	-9.6%	8,701	0.03%	1,321	88.5%	8.7%	2.8%	55,791	60,665		

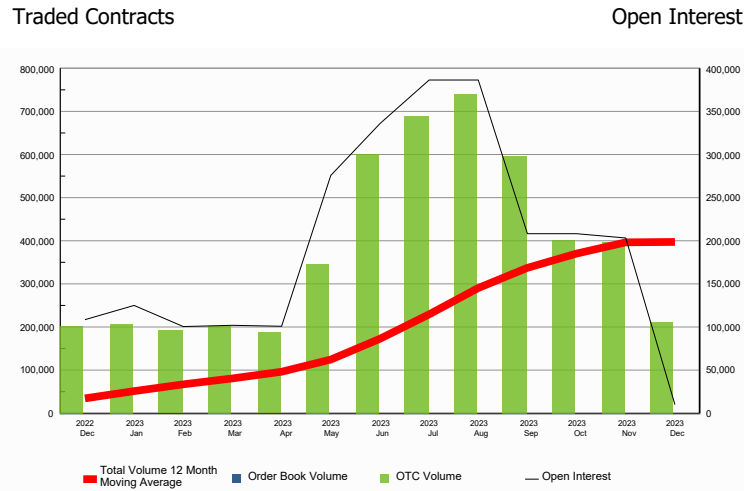
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Real Estate Components

Number of Products 40  
 Number of Series 772  
 Launched Products per Month 0

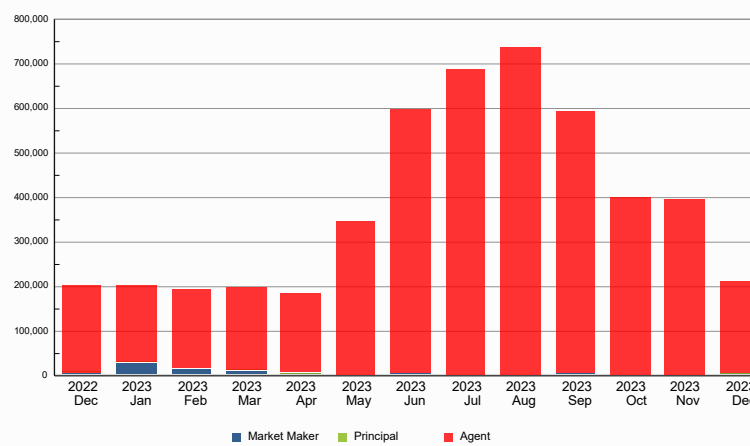
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

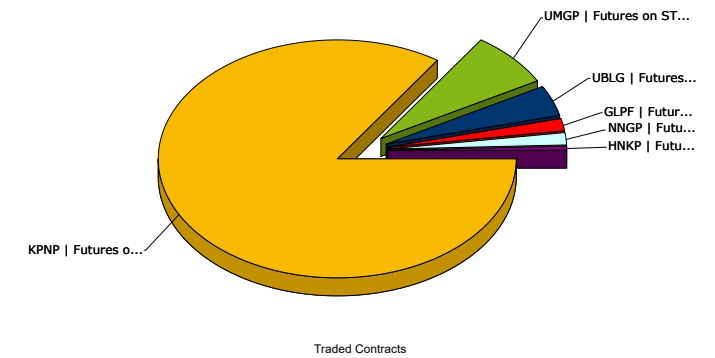
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	213,010	5.6%	11,211	0.00%	11	98.1%	1.1%	0.8%	189	10,010		
Nov 2023	397,045	367.1%	18,048	0.00%	6	100.0%	0.0%	0.0%	226	203,195		
Oct 2023	402,010	>1000%	18,273	0.00%	8	100.0%	0.0%	0.0%	256	208,200		
Sep 2023	594,040	>1000%	28,288	0.00%	15	99.0%	1.0%	0.0%	451	208,195		
Aug 2023	740,000	>1000%	32,174	0.00%	8	100.0%	0.0%	0.0%	423	386,395		
Jul 2023	688,555	>1000%	32,788	0.00%	12	100.0%	0.0%	0.0%	450	386,400		
Jun 2023	599,790	>1000%	27,263	0.00%	26	98.7%	1.3%	0.0%	461	335,845		
May 2023	346,900	>1000%	15,768	0.00%	9	100.0%	0.0%	0.0%	262	275,745		
Apr 2023	187,100	>1000%	10,394	0.00%	8	97.9%	1.6%	0.5%	230	100,845		
Mar 2023	199,690	475.5%	8,682	0.00%	19	95.3%	4.4%	0.4%	242	101,945		
Feb 2023	194,500	>1000%	9,725	0.00%	6	91.3%	8.7%	0.0%	188	100,500		
Jan 2023	204,695	>1000%	9,304	0.00%	11	86.0%	13.3%	0.7%	265	125,000		
Dec 2022	201,680	533.2%	9,604	0.00%	20	96.6%	3.1%	0.3%	238	108,478		

Most Active Products (Traded Contracts)		
Koninklijke KPN N.V.	KPNP	180,000
Universal Music Group N.V.	UMGP	16,000
Unibail-RODAMCO-Westfield	UBLG	9,010
Galapagos NV	GLPF	3,500
NN Group N.V.	NNGP	3,500
Heineken N.V.	HNKP	1,000

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	4,767,335	>1000%	18,695	0.00%	139	98.4%	1.5%	0.1%	3,643	400,610		
2022	413,213	103.0%	1,608	0.00%	113	88.8%	10.7%	0.5%	1,002	112,728		
2021	203,550	-69.5%	795	0.00%	125	47.0%	47.8%	5.1%	1,004	22,700		
2020	667,445	8.8%	2,617	0.83%	553	72.6%	26.4%	1.0%	3,763	57,860		
2019	613,664	95.7%	2,426	2.21%	1,027	73.7%	22.0%	4.4%	5,743	36,705		

## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Retail Components

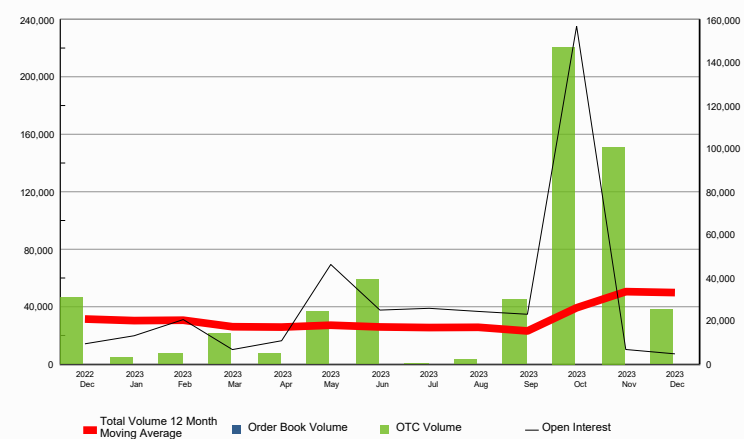
Number of Products 25  
 Number of Series 409  
 Launched Products per Month 0

### Volume Development Trend

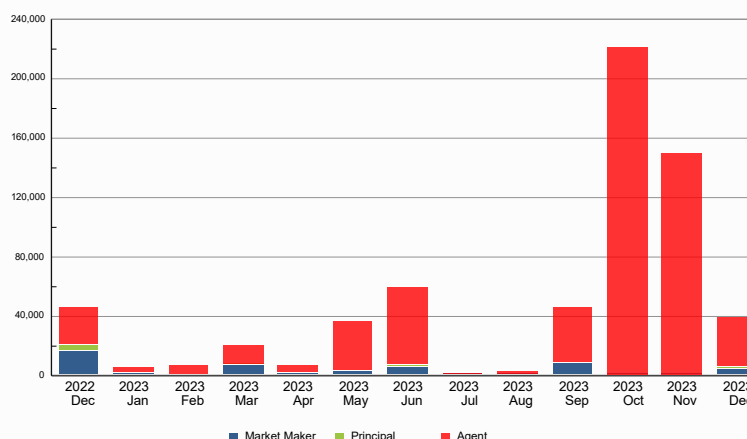
MoM Change ↓ YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

### Traded Contracts & Open Interest

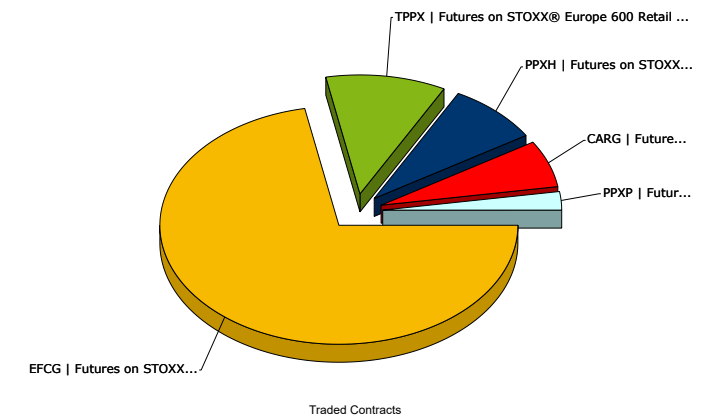
Traded Contracts      Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	38,890	-16.8%	2,047	0.00%	16	84.8%	11.4%	3.7%	473	4,808		
Nov 2023	150,540	859.8%	6,843	0.00%	6	99.9%	0.1%	0.0%	566	6,832		
Oct 2023	220,958	703.5%	10,044	0.00%	11	99.6%	0.4%	0.0%	862	156,832		
Sep 2023	45,658	-40.2%	2,174	0.00%	19	82.2%	17.8%	0.0%	471	23,174		
Aug 2023	3,147	257.6%	137	0.00%	4	92.1%	7.9%	0.0%	87	24,492		
Jul 2023	823	-85.8%	39	0.00%	2	44.7%	55.3%	0.0%	47	25,939		
Jun 2023	59,789	-19.6%	2,718	0.00%	22	88.7%	10.0%	1.3%	468	25,116		
May 2023	36,676	75.0%	1,667	0.00%	5	89.6%	10.4%	0.0%	224	46,273		
Apr 2023	7,500	-28.2%	417	0.00%	5	68.7%	31.3%	0.0%	170	10,897		
Mar 2023	21,144	-72.1%	919	0.00%	16	67.8%	31.3%	0.9%	80	6,797		
Feb 2023	7,593	76.6%	380	0.00%	8	100.0%	0.0%	0.0%	41	20,710		
Jan 2023	5,419	-70.9%	246	0.00%	7	55.2%	44.8%	0.0%	93	13,210		
Dec 2022	46,740	17.5%	2,226	0.00%	26	54.9%	34.4%	10.7%	437	9,471		

Most Active Products (Traded Contracts)		
Colruyt Group	EFCG	28,000
TRF ON KERING	TPPX	4,190
KERING	PPXH	3,200
Carrefour	CARG	2,500
PHY KERING SA	PPXP	1,000

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	598,137	58.5%	2,346	0.00%	121	93.7%	5.9%	0.4%	3,583	181,608		
2022	377,373	-66.5%	1,468	0.00%	170	58.7%	36.3%	5.0%	3,531	29,971		
2021	1,127,734	55.0%	4,405	0.00%	231	84.9%	13.5%	1.6%	7,507	69,349		
2020	727,621	-86.0%	2,853	0.00%	240	84.7%	13.4%	1.8%	4,782	84,543		
2019	5,181,219	64.7%	20,479	0.03%	675	96.8%	2.5%	0.7%	21,626	85,361		

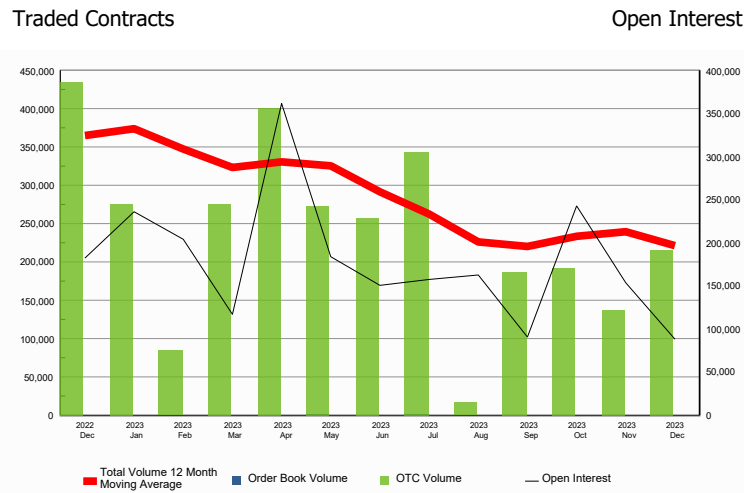
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Technology Components

Number of Products 40  
 Number of Series 619  
 Launched Products per Month 0

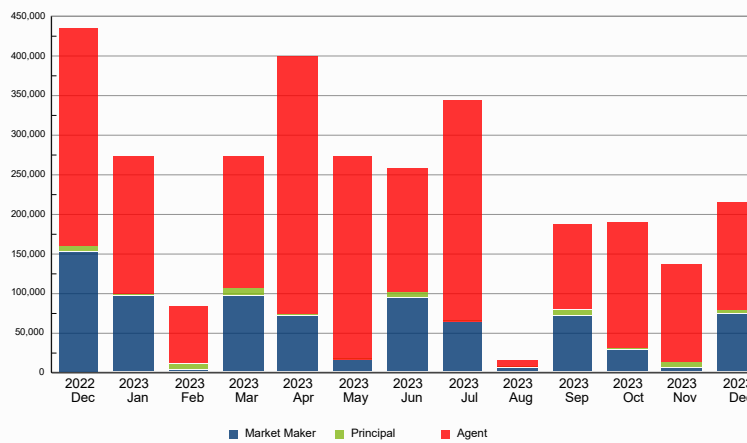
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ↓  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

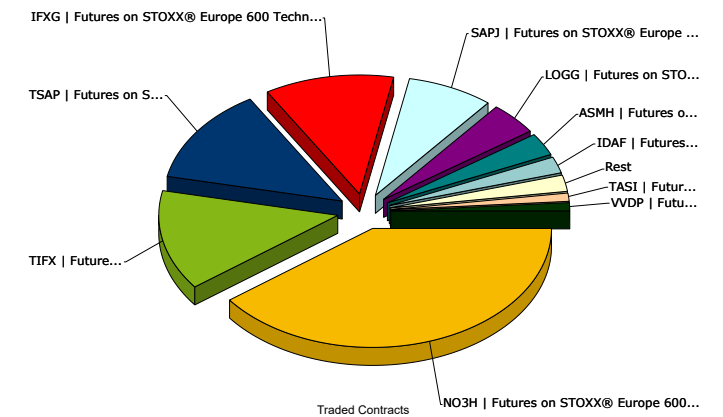
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	215,764	-50.3%	11,356	0.00%	76	63.1%	34.3%	2.6%	1,615	88,173		
Nov 2023	136,953	109.3%	6,225	0.00%	14	90.4%	4.3%	5.3%	510	153,596		
Oct 2023	191,238	497.9%	8,693	0.00%	15	83.1%	15.6%	1.3%	321	242,743		
Sep 2023	186,620	-27.6%	8,887	0.00%	74	57.3%	38.9%	3.8%	1,262	90,674		
Aug 2023	16,471	-96.4%	716	0.00%	19	58.3%	41.3%	0.4%	289	162,628		
Jul 2023	343,326	-50.3%	16,349	0.01%	33	81.0%	18.9%	0.1%	1,038	157,439		
Jun 2023	257,772	-61.2%	11,717	0.00%	82	60.1%	36.5%	3.4%	2,323	150,613		
May 2023	274,073	-18.4%	12,458	0.02%	47	94.0%	5.9%	0.1%	1,655	183,812		
Apr 2023	399,486	28.1%	22,194	0.00%	39	81.7%	17.6%	0.7%	1,061	361,543		
Mar 2023	274,305	-51.3%	11,926	0.00%	82	60.8%	35.0%	4.3%	2,143	116,971		
Feb 2023	83,835	-79.1%	4,192	0.01%	25	87.8%	5.3%	6.9%	544	204,010		
Jan 2023	274,514	63.5%	12,478	0.00%	29	63.8%	35.7%	0.5%	528	235,977		
Dec 2022	434,186	23.4%	20,676	0.00%	81	63.2%	35.3%	1.5%	2,369	182,240		

Most Active Products (Traded Contracts)		
NOKIA CORP. Oyj	NO3H	85,624
TRF ON Infineon	TIFX	29,725
TRF ON SAP	TSAP	28,098
Infineon	IFXG	25,260
SAP SE	SAPJ	16,368
Logitech International	LOGG	9,850
ASML Holding N.V.	ASMH	6,534
Indra Sistemas	IDAF	5,000
TRF ON ASM International N.V.	TASI	2,560
Veolia	VVDP	2,500

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	2,654,357	-39.4%	10,409	0.00%	535	74.1%	23.8%	2.0%	13,289	100,973		
2022	4,378,786	4.7%	17,038	0.01%	750	67.1%	30.6%	2.3%	19,301	232,471		
2021	4,183,107	89.8%	16,340	0.05%	746	75.2%	18.4%	6.4%	16,500	545,193		
2020	2,203,785	-80.8%	8,642	0.20%	851	65.0%	27.0%	8.0%	16,681	169,224		
2019	11,449,934	202.7%	45,257	0.03%	1,213	95.2%	2.4%	2.4%	26,286	317,548		

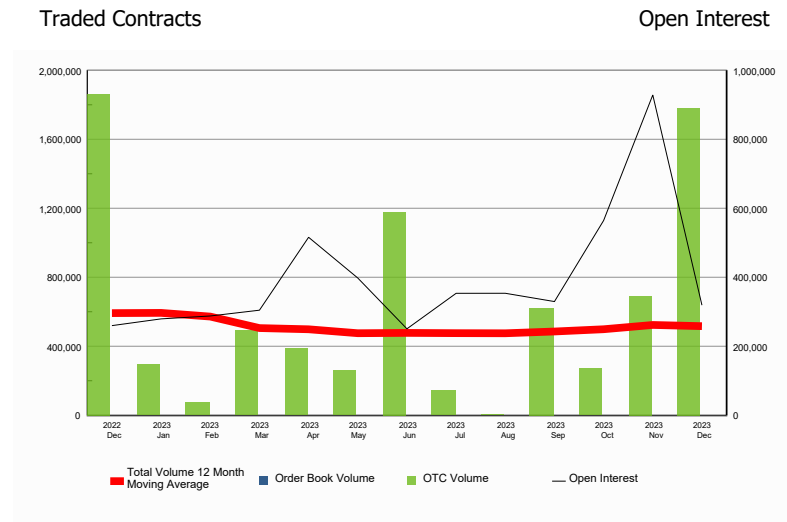
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Telecommunications Components

Number of Products 32  
 Number of Series 503  
 Launched Products per Month 0

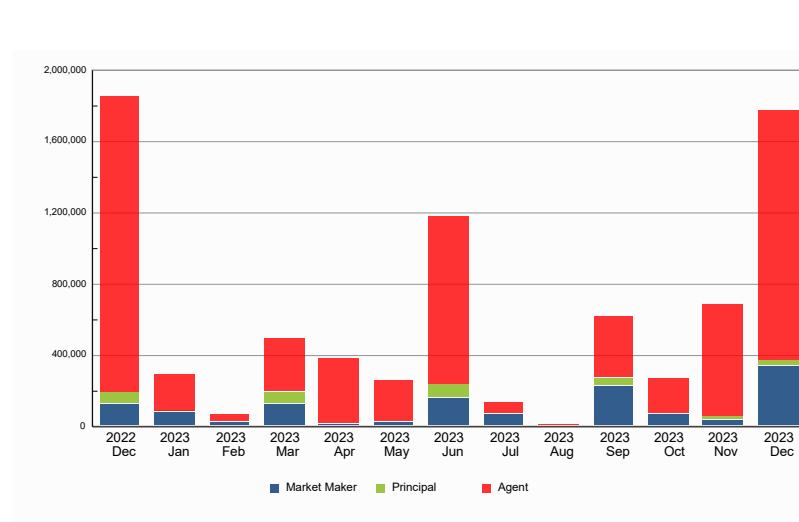
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

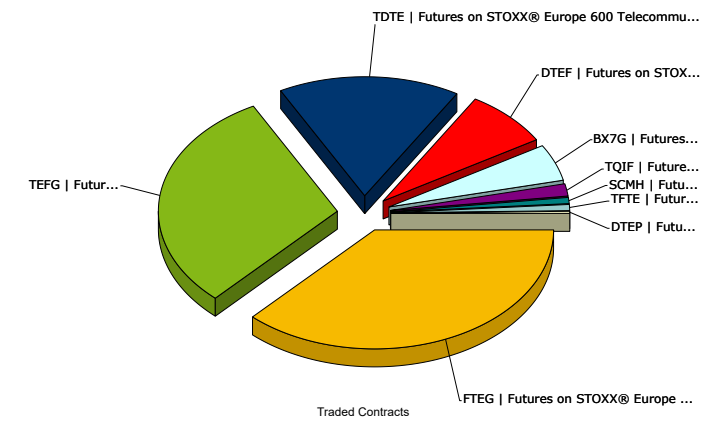
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,775,823	-4.4%	93,464	0.00%	103	79.0%	18.9%	2.2%	2,172	319,036		
Nov 2023	686,937	76.6%	31,224	0.00%	37	91.8%	5.9%	2.3%	725	928,485		
Oct 2023	276,446	131.7%	12,566	0.00%	11	75.4%	24.6%	0.0%	444	564,483		
Sep 2023	620,149	24.8%	29,531	0.00%	39	55.7%	37.1%	7.3%	660	329,578		
Aug 2023	100	-98.7%	4	0.00%	1	50.0%	0.0%	50.0%	<1	353,541		
Jul 2023	142,933	-11.2%	6,806	0.00%	6	50.0%	50.0%	0.0%	172	353,441		
Jun 2023	1,178,131	2.0%	53,551	0.00%	60	79.4%	13.7%	6.9%	975	250,508		
May 2023	264,035	-51.0%	12,002	0.00%	16	90.5%	9.5%	0.0%	237	397,826		
Apr 2023	384,735	-18.1%	21,374	0.01%	28	97.3%	2.7%	0.0%	601	515,861		
Mar 2023	496,133	-61.7%	21,571	0.01%	44	61.2%	24.6%	14.2%	754	304,514		
Feb 2023	74,376	-77.4%	3,719	0.00%	13	62.5%	37.5%	0.0%	102	287,700		
Jan 2023	298,009	5.6%	13,546	0.00%	27	73.9%	26.1%	0.0%	298	279,373		
Dec 2022	1,858,341	-20.1%	88,492	0.00%	84	89.6%	7.1%	3.3%	1,700	259,786		

### Most Active Products (Traded Contracts)

Orange	FTEG	657,550
Telefónica	TEFG	535,503
TRF ON Deutsche Telekom	TDTE	292,971
Deutsche Telekom	DTEF	139,197
Belgacom S.A.	BX7G	87,500
Telecom Italia	TQIF	29,523
Swisscom	SCMH	14,079
TRF ON ORANGE	TFTE	14,000
PHY DEUTSCHE TELEKOM AG	DTEP	5,500

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	6,197,807	-12.8%	24,305	0.00%	385	77.1%	18.9%	4.0%	7,140	418,036		
2022	7,103,841	-7.9%	27,641	0.00%	419	77.3%	19.1%	3.6%	8,394	281,336		
2021	7,712,252	29.3%	30,126	0.01%	569	73.9%	19.5%	6.6%	9,073	1,009,441		
2020	5,965,825	-72.5%	23,395	0.03%	535	71.5%	19.6%	8.9%	5,991	485,069		
2019	21,676,942	12.6%	85,680	0.12%	1,523	90.8%	6.2%	3.1%	22,589	604,442		

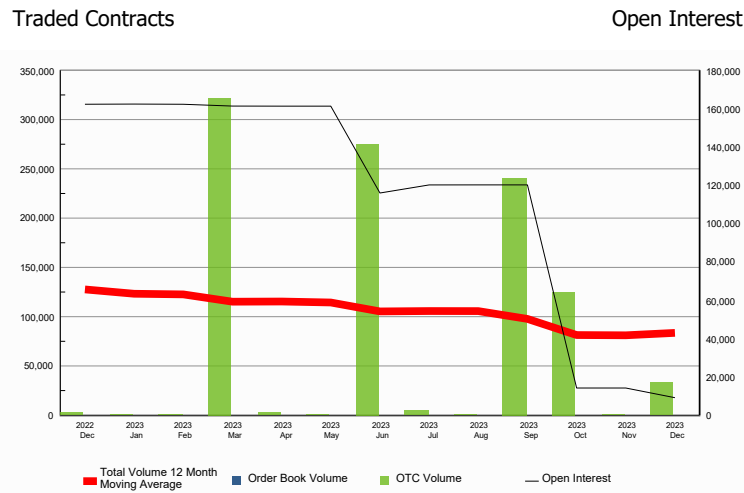
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Travel & Leisure Components

Number of Products 19  
 Number of Series 277  
 Launched Products per Month 0

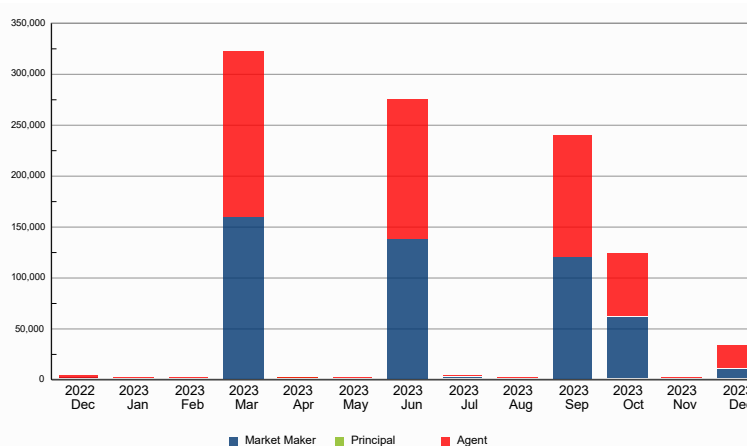
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

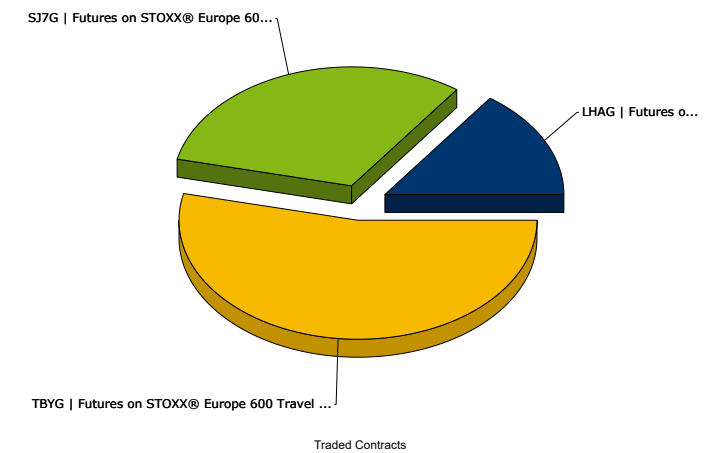
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	33,370	769.9%	1,756	0.00%	6	65.7%	34.3%	0.0%	181	9,151		
Nov 2023	390	-89.0%	18	0.00%	2	100.0%	0.0%	0.0%	4	14,206		
Oct 2023	124,010	-61.3%	5,637	0.00%	4	50.0%	50.0%	0.0%	200	14,206		
Sep 2023	240,000	-28.4%	11,429	0.00%	4	50.0%	50.0%	0.0%	383	120,196		
Aug 2023	76	-90.1%	3	0.00%	2	100.0%	0.0%	0.0%	3	120,196		
Jul 2023	5,240	773.3%	250	0.00%	3	52.3%	47.7%	0.0%	7	120,175		
Jun 2023	275,330	-28.3%	12,515	0.00%	3	50.1%	49.9%	0.0%	459	115,965		
May 2023	55	-99.5%	3	0.00%	1	100.0%	0.0%	0.0%	1	161,295		
Apr 2023	2,105	-21.7%	117	0.00%	2	51.3%	0.0%	48.7%	3	161,295		
Mar 2023	322,031	-98.7%	14,001	0.00%	6	50.2%	49.8%	0.0%	486	161,329		
Feb 2023	100	-99.8%	5	0.00%	1	100.0%	0.0%	0.0%	<1	162,272		
Jan 2023	89	-98.0%	4	0.00%	1	100.0%	0.0%	0.0%	2	162,372		
Dec 2022	3,836	-97.2%	183	0.00%	7	78.0%	22.0%	0.0%	18	162,283		

Most Active Products (Traded Contracts)		
TRF ON Bouygues	TBYG	17,870
SODEXO SA	SJ7G	10,500
Lufthansa	LHAG	5,000

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	1,002,796	-34.5%	3,933	0.00%	35	50.7%	49.2%	0.1%	1,730	130,839		
2022	1,531,618	106.8%	5,960	0.00%	81	52.9%	46.8%	0.3%	1,912	224,033		
2021	740,647	64.3%	2,893	0.00%	164	42.1%	45.4%	12.5%	974	245,906		
2020	450,866	-47.7%	1,768	0.51%	346	74.4%	22.6%	3.0%	867	31,331		
2019	862,309	-6.5%	3,408	0.06%	276	77.3%	15.7%	7.0%	3,110	46,851		



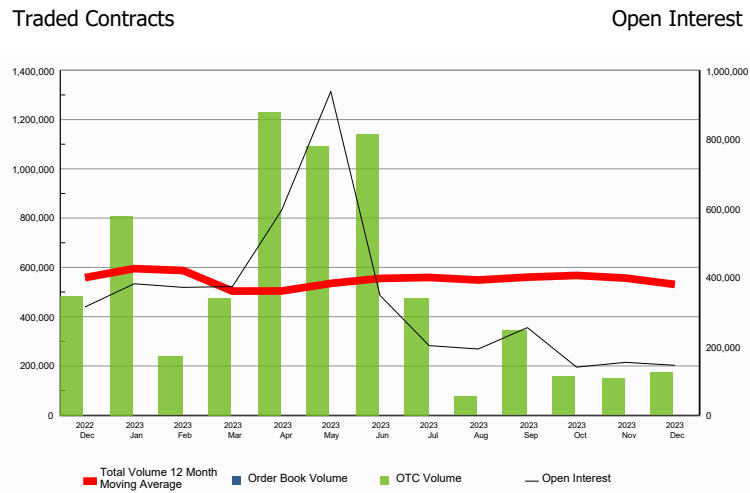
## Equity Derivatives :: Single Stock Futures :: Futures on STOXX® Europe 600 Utilities Components

Number of Products 42  
 Number of Series 648  
 Launched Products per Month 0

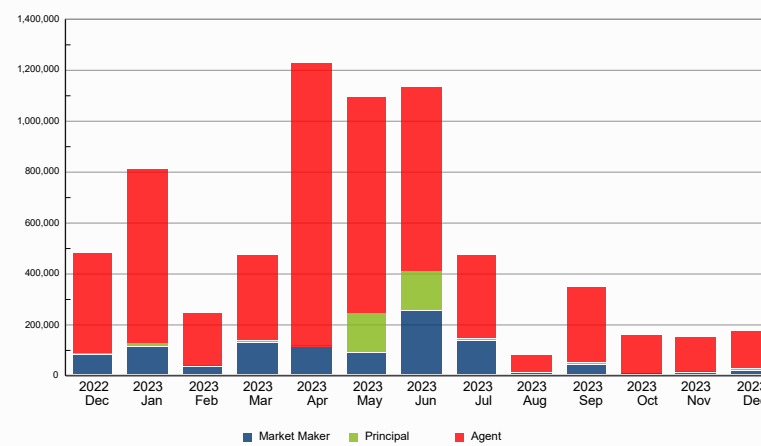
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

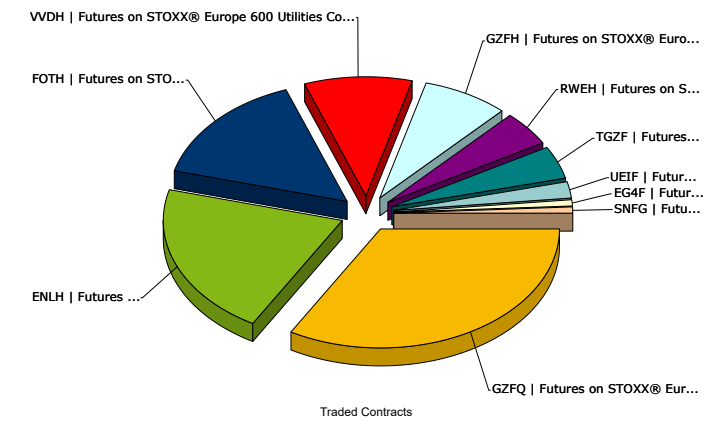
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	173,756	-64.0%	9,145	0.00%	33	82.6%	12.6%	4.8%	404	144,686		
Nov 2023	149,291	-46.3%	6,786	0.00%	20	93.9%	4.9%	1.2%	357	153,312		
Oct 2023	157,500	111.2%	7,159	0.00%	11	99.0%	1.0%	0.0%	178	139,388		
Sep 2023	347,550	67.3%	16,550	0.00%	53	85.5%	11.4%	3.1%	644	253,888		
Aug 2023	77,388	-61.9%	3,365	0.00%	12	88.2%	11.8%	0.0%	173	191,980		
Jul 2023	476,316	11.0%	22,682	0.00%	35	69.1%	28.2%	2.6%	898	201,792		
Jun 2023	1,137,302	27.2%	51,696	0.00%	48	64.1%	22.3%	13.7%	1,534	347,696		
May 2023	1,093,429	50.8%	49,701	0.00%	39	77.6%	8.0%	14.3%	1,477	938,822		
Apr 2023	1,229,396	0.6%	68,300	0.00%	73	90.7%	9.0%	0.3%	1,924	594,003		
Mar 2023	477,083	-67.7%	20,743	0.00%	40	71.9%	26.6%	1.5%	891	373,041		
Feb 2023	242,661	-27.8%	12,133	0.00%	23	84.6%	14.6%	0.8%	386	370,581		
Jan 2023	809,153	118.4%	36,780	0.00%	64	84.1%	13.5%	2.4%	1,326	381,134		
Dec 2022	482,102	-16.9%	22,957	0.00%	42	81.9%	16.5%	1.6%	789	313,706		

Most Active Products (Traded Contracts)		
PHY ENGIE	GZFH	57,750
Enel SpA	ENLH	36,200
Fortum Oyj	FOTH	26,920
Veolia Environnement	VVDH	16,500
GDF Suez	GZFH	13,500
RWE	RWEH	8,206
TRF ON GDF Suez	TGZF	8,000
Terna	UEIF	3,700
Enagas	EG4F	1,708
SNAM S.P.A.	SNFG	1,272

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	6,370,825	-4.9%	24,984	0.00%	451	79.4%	14.7%	5.9%	10,190	527,769		
2022	6,701,156	-15.7%	26,075	0.00%	558	77.6%	21.1%	1.3%	11,938	351,156		
2021	7,944,595	61.8%	31,034	0.02%	783	76.4%	20.7%	2.9%	15,057	1,084,407		
2020	4,909,709	-50.8%	19,254	0.09%	874	62.5%	29.6%	7.9%	10,433	548,487		
2019	9,972,292	-23.7%	39,416	0.30%	2,609	79.9%	16.5%	3.6%	19,226	499,201		

## Equity Derivatives :: Single Stock Futures :: Futures on S&P 500 Components

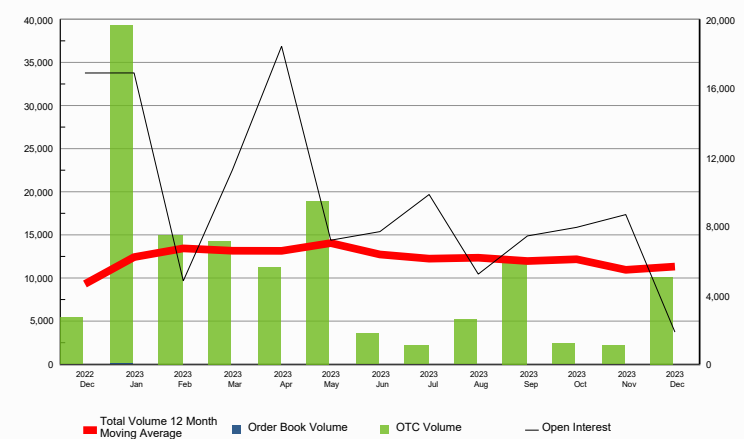
Number of Products 111  
 Number of Series 1,756  
 Launched Products per Month 0

### Volume Development Trend

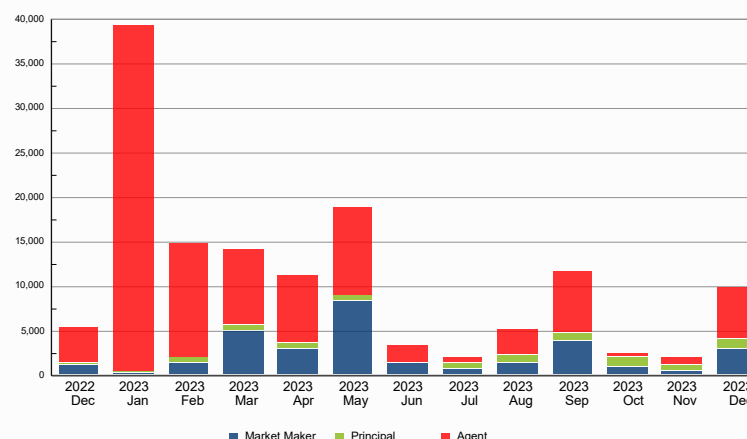
MoM Change ↑ YTM/YTM prev. Year →  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

### Traded Contracts & Open Interest

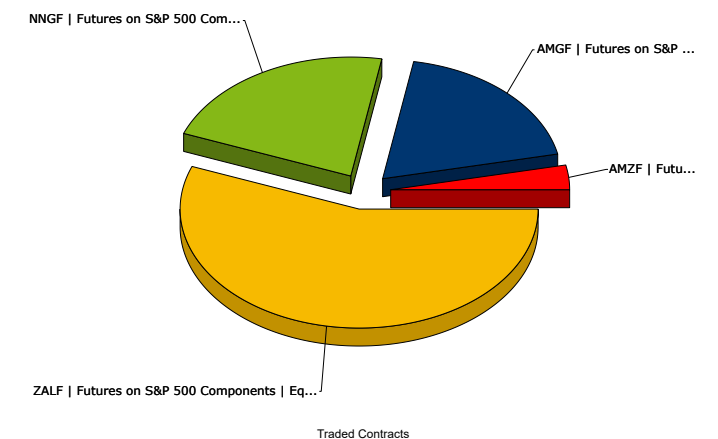
Traded Contracts Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	10,032	82.0%	528	0.00%	12	59.1%	29.9%	11.0%	160	1,866		
Nov 2023	2,160	-87.2%	98	0.00%	4	44.4%	27.8%	27.8%	35	8,676		
Oct 2023	2,497	>1000%	114	0.00%	4	19.9%	40.0%	40.0%	21	7,936		
Sep 2023	11,736	-28.1%	559	0.00%	12	59.7%	32.6%	7.7%	86	7,439		
Aug 2023	5,215	32.0%	227	0.00%	4	56.9%	28.8%	14.4%	23	5,225		
Jul 2023	2,150	-73.0%	102	0.00%	2	30.2%	34.9%	34.9%	19	9,840		
Jun 2023	3,510	-81.9%	160	0.00%	4	57.3%	42.7%	0.0%	14	7,690		
May 2023	18,880	134.2%	858	0.00%	10	52.1%	44.3%	3.6%	138	7,190		
Apr 2023	11,220	-1.3%	623	0.00%	9	67.0%	27.6%	5.3%	59	18,440		
Mar 2023	14,240	-18.8%	619	0.00%	13	60.6%	35.2%	4.2%	68	11,270		
Feb 2023	14,960	424.0%	748	0.00%	4	86.0%	9.0%	5.0%	60	4,830		
Jan 2023	39,278	>1000%	1,785	0.03%	12	98.4%	0.8%	0.8%	171	16,890		
Dec 2022	5,511	319.7%	262	0.00%	6	72.3%	20.9%	6.8%	32	16,886		

Most Active Products (Traded Contracts)		
Zalando SE Inhaber-Aktien o.N.	ZALF	5,600
NN Group N.V.	NNGF	2,200
Amgen	AMGF	1,902
Amazon.com	AMZF	330

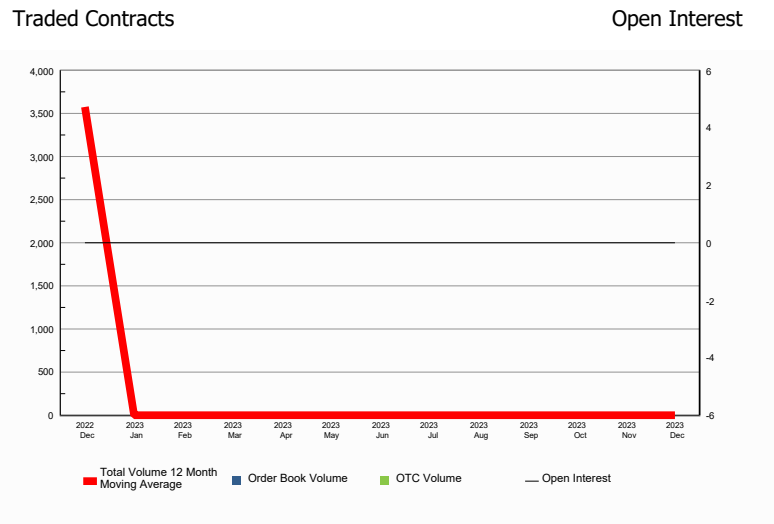
Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	135,878	21.7%	533	0.01%	90	71.8%	22.3%	5.9%	855	5,866		
2022	111,659	-35.4%	434	0.01%	107	59.9%	38.4%	1.7%	818	17,533		
2021	172,719	78.9%	675	0.02%	92	82.7%	5.5%	11.8%	1,775	23,235		
2020	96,532	118.2%	379	0.09%	168	87.3%	5.3%	7.4%	1,378	33,128		
2019	44,245	-49.6%	175	0.09%	169	65.5%	22.9%	11.6%	567	6,944		

Equity Derivatives :: Single Stock Futures :: Futures on Russian Stocks

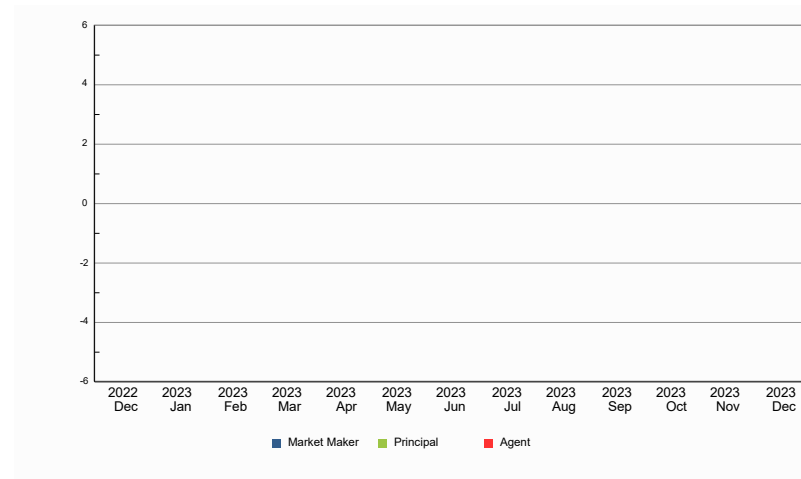
### Volume Development Trend

MoM Change      YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product

No contract volume for reporting period

Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts

-100.0%

### Most Active Products (Traded Contracts)

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2022	42,900	-100.0%	167	0.00%	1	100.0%	0.0%	0.0%	30	42,900		
2021	0	-100.0%			0				<1	0		
2020	127,727	>1000%	501	0.00%	20	99.0%	0.0%	1.0%	146	24,800		
2019	923	-93.8%	4	0.00%	2	0.0%	21.7%	78.3%	4	523		

## Equity Derivatives :: Single Stock Futures :: Futures on Other Stocks

Number of Products	246
Number of Series	3,794
Launched Products per Month	0

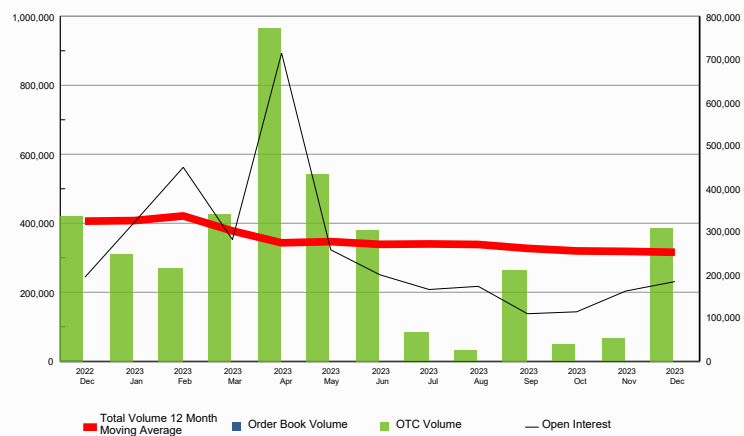
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←

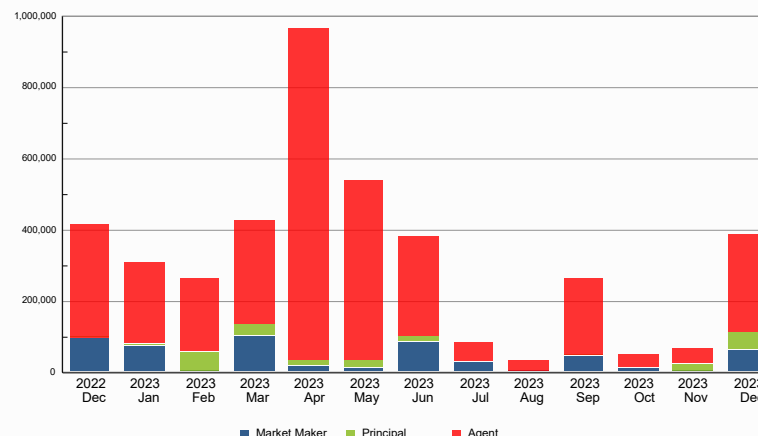
↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

### Traded Contracts & Open Interest

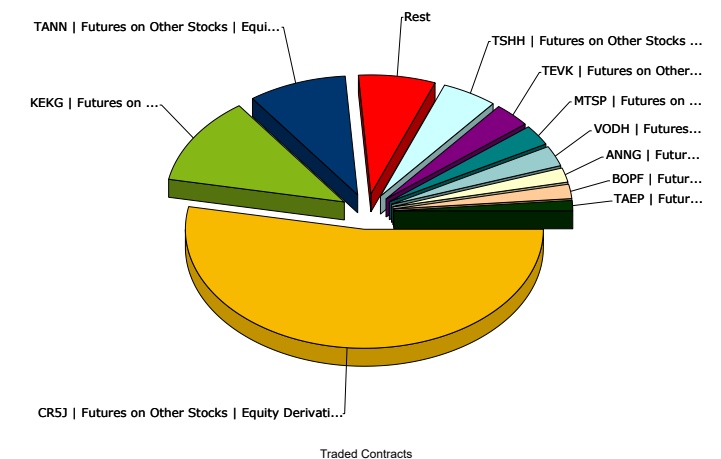
Traded Contracts      Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts			No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	387,520	-7.4%	20,396	72	70.3%	15.9%	13.8%	1,207	184,727		
Nov 2023	66,896	-18.6%	3,041	23	64.4%	0.1%	35.5%	264	162,803		
Oct 2023	51,237	-63.4%	2,329	16	77.1%	22.9%	0.0%	252	114,608		
Sep 2023	266,641	-33.7%	12,697	79	83.0%	16.9%	0.2%	683	110,147		
Aug 2023	33,896	-35.0%	1,474	23	88.7%	11.3%	0.0%	264	173,707		
Jul 2023	86,739	18.3%	4,130	16	68.2%	31.8%	0.0%	305	166,317		
Jun 2023	381,581	-19.8%	17,345	70	73.3%	22.4%	4.2%	795	200,514		
May 2023	543,472	8.1%	24,703	33	93.3%	2.8%	3.9%	1,161	258,310		
Apr 2023	965,997	-29.9%	53,667	56	96.3%	2.1%	1.7%	1,643	714,662		
Mar 2023	428,063	-55.0%	18,611	66	68.1%	24.5%	7.4%	775	282,105		
Feb 2023	267,458	155.7%	13,373	39	78.5%	0.7%	20.7%	568	449,753		
Jan 2023	311,261	6.6%	14,148	56	74.4%	24.3%	1.3%	529	321,651		
Dec 2022	418,315	-12.8%	19,920	86	76.7%	23.1%	0.1%	551	194,884		

Most Active Products (Traded Contracts)		
UniCredit	CR5J	205,750
Kesko (100)	KEKG	46,000
TRF ON Dt. Annington Immobilien SE	TANN	34,138
TRF ON Siemens Healthineers AG	TSHH	19,060
TRF ON Evonik Industries AG	TEVK	13,190
ArcelorMittal	MTSP	11,000
Vodafone Goup PLC	VODH	10,000
VONOVIA SE	ANNG	7,750
Bollore S.A.	BOPF	7,644
TRF ON Aena SA	TAEP	5,300

Year	Traded Contracts			No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average		Agent	Market Maker	Principal			Calls	Puts
2023	3,790,761	-22.2%	14,866	549	82.2%	11.9%	5.9%	8,445	358,348		
2022	4,873,318	20.8%	18,962	669	70.2%	26.9%	2.9%	5,889	244,982		
2021	4,033,366	-8.6%	15,755	628	68.1%	22.7%	9.2%	5,709	814,723		
2020	4,413,404	-42.3%	17,307	618	67.5%	20.9%	11.6%	4,314	595,932		
2019	7,650,259	-20.8%	30,238	1,234	82.7%	13.2%	4.1%	10,059	1,233,863		

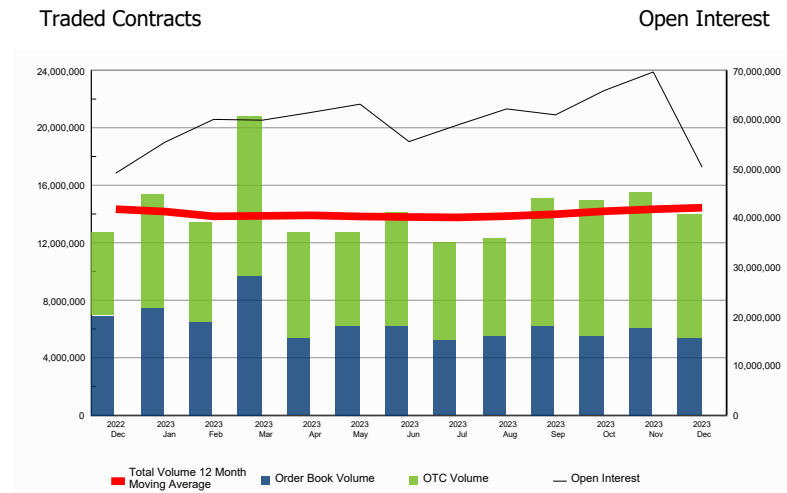
## Equity Derivatives :: Equity Options

Number of Products	662
Number of Series	445,264
Launched Products per Month	1

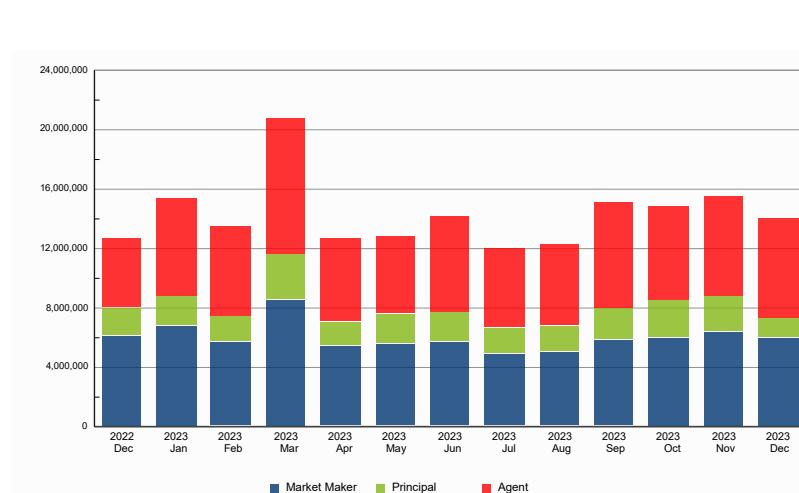
### Volume Development Trend

YoY Change → YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ > 25%

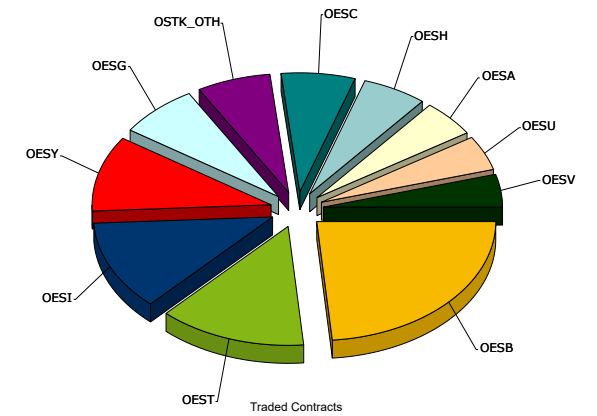
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	14,023,169	9.8%	738,062	37.76%	161,835	47.4%	42.5%	10.1%	56,885	50,344,134	53.93%	46.07%
Nov 2023	15,472,100	12.2%	703,277	39.25%	182,280	42.8%	41.1%	16.1%	70,824	69,654,028	44.76%	55.24%
Oct 2023	14,909,883	20.1%	677,722	36.91%	168,278	42.5%	40.2%	17.2%	67,925	65,903,209	36.28%	63.72%
Sep 2023	15,173,698	11.7%	722,557	40.80%	181,251	47.1%	38.8%	14.1%	63,185	60,959,360	45.30%	54.70%
Aug 2023	12,258,032	9.3%	532,958	44.99%	188,376	44.5%	41.5%	14.0%	51,823	62,165,530	43.44%	56.56%
Jul 2023	12,041,360	-2.5%	573,398	43.94%	179,308	45.3%	41.0%	13.7%	51,147	58,911,179	44.45%	55.55%
Jun 2023	14,137,472	-3.1%	642,612	43.39%	194,764	45.2%	40.8%	14.0%	60,342	55,523,068	40.72%	59.28%
May 2023	12,783,980	-6.8%	581,090	48.29%	189,096	41.0%	43.2%	15.9%	58,203	63,126,686	38.52%	61.48%
Apr 2023	12,770,174	3.5%	709,454	42.51%	167,890	44.7%	42.4%	12.9%	53,329	61,454,778	45.51%	54.49%
Mar 2023	20,767,349	1.8%	902,928	46.58%	276,121	43.8%	40.8%	15.4%	79,052	59,876,189	40.18%	59.82%
Feb 2023	13,470,225	-22.8%	673,511	47.99%	212,919	44.2%	42.8%	13.0%	61,479	60,032,832	41.41%	58.59%
Jan 2023	15,435,200	-11.4%	701,600	48.56%	281,825	42.9%	44.0%	13.1%	75,803	55,374,629	44.49%	55.51%
Dec 2022	12,767,663	-9.1%	607,984	53.79%	214,007	37.8%	47.5%	14.6%	56,545	49,117,875	44.20%	55.80%

Most Active Products (Traded Contracts)		
Nokia	NOA3	860,745
Deutsche Bank	DBK	723,533
Deutsche Telekom	DTE	663,840
UBS	UBSN	634,263
KPN	KPN	364,028
AXA	AXA	355,239
UBS AG	UBSE	325,343
Crédit Agricole	XCA	313,190
Lufthansa	LHA	288,251
Commerzbank	CBK	287,596

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	173,242,642	0.7%	679,383	43.43%	2,383,943	44.2%	41.5%	14.2%	749,999	50,588,029	43.14%	56.86%
2022	172,046,324	-14.6%	669,441	47.37%	2,675,542	44.0%	43.1%	12.9%	736,433	49,525,825	43.24%	56.76%
2021	201,529,915	6.6%	787,226	39.78%	2,563,130	48.7%	37.7%	13.6%	820,438	52,868,145	51.26%	48.74%
2020	189,106,929	1.9%	741,596	43.56%	2,910,231	39.7%	44.1%	16.2%	761,514	49,892,918	48.85%	51.15%
2019	185,670,864	-1.7%	733,877	45.52%	3,001,813	35.7%	49.0%	15.2%	795,318	50,959,151	43.78%	56.22%

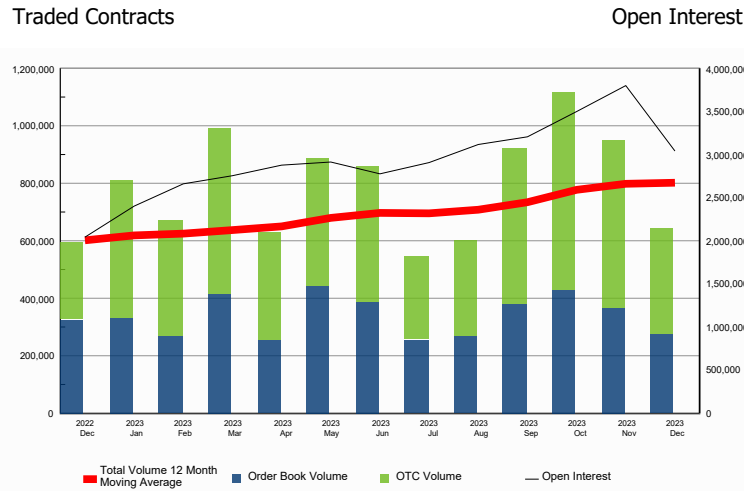
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Automobiles & Parts Components

Number of Products 20  
 Number of Series 15,130  
 Launched Products per Month 0

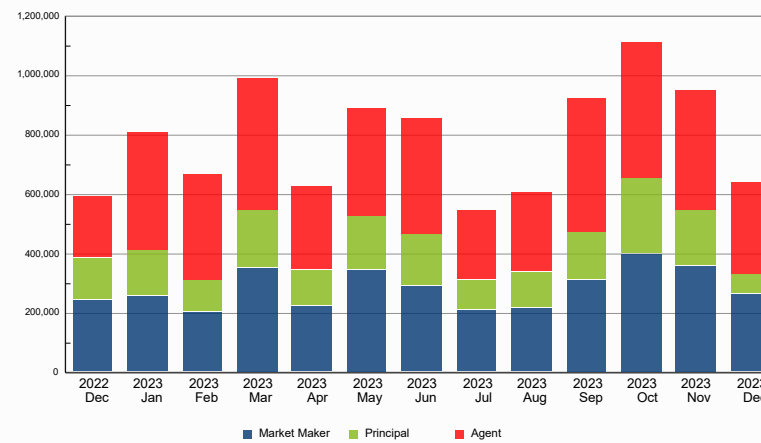
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

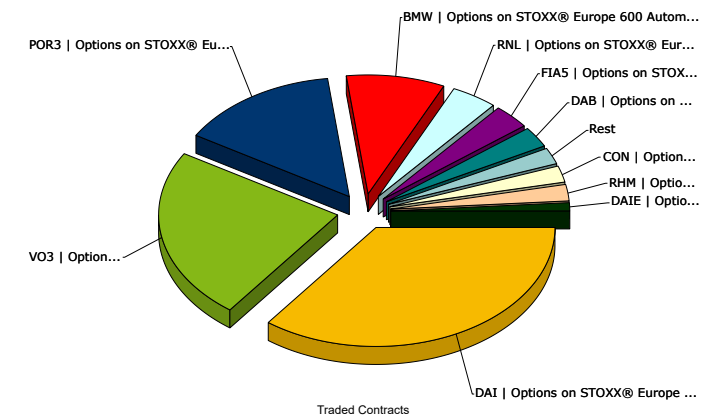
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	640,883	7.3%	33,731	42.63%	13,606	47.7%	41.1%	11.3%	5,158	3,040,800	54.77%	45.23%
Nov 2023	949,033	36.2%	43,138	38.85%	15,524	42.4%	38.0%	19.6%	6,613	3,799,472	39.33%	60.67%
Oct 2023	1,114,952	86.7%	50,680	38.56%	17,170	41.3%	36.0%	22.6%	7,553	3,498,307	30.54%	69.46%
Sep 2023	922,588	51.4%	43,933	40.78%	15,422	48.8%	33.9%	17.3%	7,259	3,205,411	41.51%	58.49%
Aug 2023	605,536	33.2%	26,328	43.84%	15,854	44.4%	35.9%	19.6%	4,919	3,116,347	34.47%	65.53%
Jul 2023	546,444	-3.2%	26,021	46.23%	13,593	42.3%	38.6%	19.0%	4,686	2,906,839	39.39%	60.61%
Jun 2023	859,051	31.9%	39,048	45.02%	17,619	45.5%	34.3%	20.2%	7,285	2,776,012	46.93%	53.07%
May 2023	890,404	66.2%	40,473	49.32%	18,857	40.6%	39.2%	20.2%	7,478	2,913,082	40.29%	59.71%
Apr 2023	627,487	32.5%	34,860	40.96%	13,816	44.9%	36.1%	19.0%	4,886	2,877,044	42.82%	57.18%
Mar 2023	989,986	17.6%	43,043	41.86%	22,555	45.0%	35.6%	19.4%	8,630	2,754,439	46.00%	54.00%
Feb 2023	668,381	12.5%	33,419	40.01%	16,061	53.1%	30.3%	16.6%	5,551	2,660,014	45.02%	54.98%
Jan 2023	807,723	34.1%	36,715	41.35%	19,293	48.6%	32.2%	19.2%	6,484	2,401,348	45.08%	54.92%
Dec 2022	597,056	-6.4%	28,431	53.87%	17,975	35.1%	40.8%	24.1%	4,807	2,041,716	39.83%	60.17%

Most Active Products (Traded Contracts)		
MERCEDES-BENZ GROUP AG	DAI	225,765
VOLKSWAGEN VZ	VO3	150,378
Porsche Automobil Holding	POR3	91,541
BMW	BMW	57,574
Renault	RNL	25,790
Stellantis N.V.	FIA5	21,835
Mercedes-Benz - Daimler Truck Basket	DAB	17,431
Continental AG	CON	14,285
Rheinmetall	RHM	13,731
MERCEDES-BENZ GROUP AG	DAIE	6,917

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	9,622,468	33.3%	37,735	42.24%	199,370	45.2%	35.9%	19.0%	76,503	3,041,190	41.81%	58.19%
2022	7,218,578	-34.6%	28,088	49.79%	228,291	40.0%	39.8%	20.2%	62,875	2,043,485	42.34%	57.66%
2021	11,040,137	6.7%	43,126	36.95%	259,364	49.2%	28.4%	22.5%	103,484	2,938,913	58.17%	41.83%
2020	10,348,379	-20.6%	40,582	49.69%	296,148	37.4%	40.7%	22.0%	62,548	3,082,626	54.06%	45.94%
2019	13,032,686	-5.2%	51,513	44.57%	343,000	38.0%	45.9%	16.1%	90,541	3,882,050	51.33%	48.67%

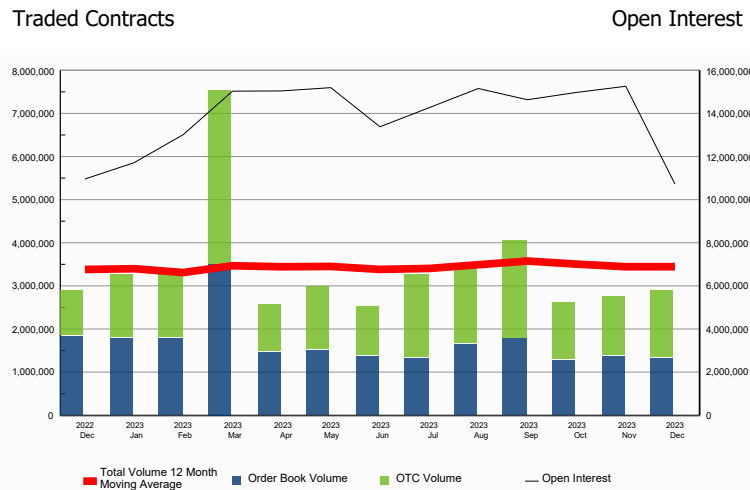
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Banks Components

Number of Products 39  
 Number of Series 28,155  
 Launched Products per Month 0

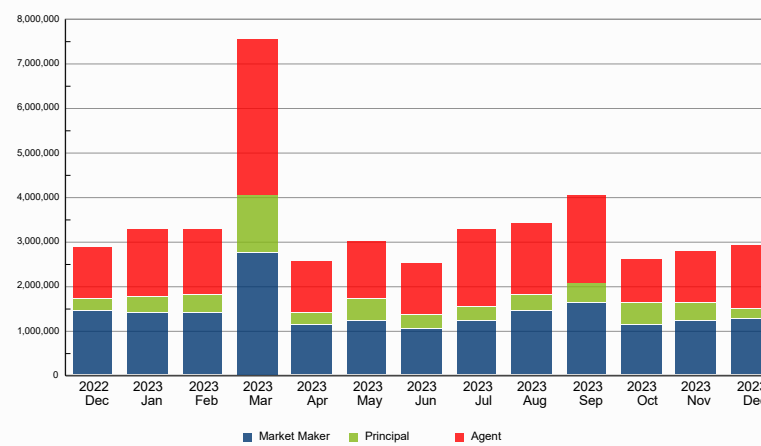
### Volume Development Trend

MoM Change → YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

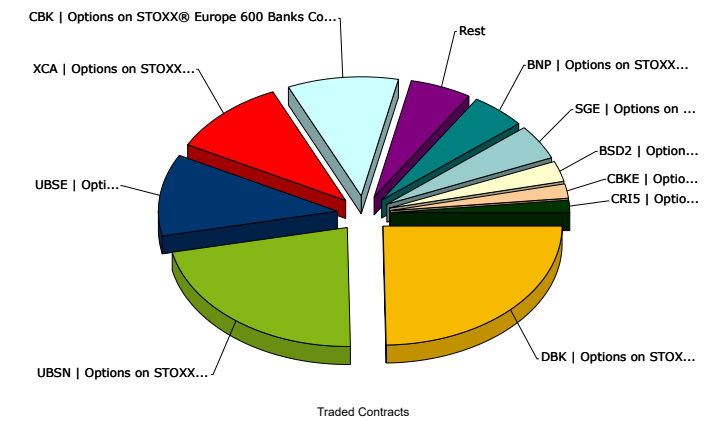
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	2,917,372	0.6%	153,546	45.03%	16,751	48.3%	44.0%	7.8%	5,761	10,725,502	56.27%	43.73%
Nov 2023	2,778,082	-20.8%	126,276	49.65%	16,960	41.3%	44.0%	14.6%	4,742	15,259,322	50.32%	49.68%
Oct 2023	2,622,175	-24.7%	119,190	49.05%	14,013	37.5%	44.0%	18.5%	4,228	14,974,753	39.35%	60.65%
Sep 2023	4,070,219	33.8%	193,820	43.64%	19,907	49.4%	39.7%	11.0%	7,250	14,634,939	56.02%	43.98%
Aug 2023	3,420,395	43.1%	148,713	48.29%	25,449	47.7%	42.1%	10.3%	6,098	15,154,656	57.84%	42.16%
Jul 2023	3,286,678	8.7%	156,508	39.86%	22,907	53.1%	37.8%	9.2%	5,600	14,265,150	53.47%	46.53%
Jun 2023	2,538,815	-24.2%	115,401	53.57%	20,751	46.9%	41.7%	11.4%	3,760	13,380,330	45.79%	54.21%
May 2023	3,015,062	2.8%	137,048	49.78%	21,680	43.6%	41.1%	15.3%	4,170	15,194,793	33.14%	66.86%
Apr 2023	2,558,924	-10.1%	142,162	56.67%	16,808	45.6%	43.7%	10.7%	3,602	15,043,211	44.28%	55.72%
Mar 2023	7,538,893	33.6%	327,778	46.22%	49,794	46.4%	36.5%	17.1%	9,621	15,030,425	39.70%	60.30%
Feb 2023	3,304,835	-24.5%	165,242	53.96%	21,334	45.8%	42.5%	11.7%	4,589	13,016,130	40.17%	59.83%
Jan 2023	3,291,443	6.8%	149,611	54.80%	21,771	46.4%	42.5%	11.1%	4,521	11,714,788	48.36%	51.64%
Dec 2022	2,898,945	23.5%	138,045	63.93%	25,645	40.4%	49.5%	10.1%	3,160	10,957,243	44.21%	55.79%

Most Active Products (Traded Contracts)		
Deutsche Bank	DBK	723,533
UBS	UBSN	634,263
UBS AG	UBSE	325,343
Crédit Agricole	XCA	313,190
Commerzbank	CBK	287,596
BNP Paribas	BNP	141,380
Société Générale	SGE	137,611
Banco Santander Central Hispano	BSD2	83,383
Commerzbank	CBKE	54,038
UniCredit (ITA exec. type)	CRI5	50,104

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	41,342,893	1.9%	162,129	48.62%	268,125	46.3%	40.9%	12.8%	63,942	10,728,752	46.67%	53.33%
2022	40,568,859	-4.8%	157,855	50.21%	289,627	47.5%	41.7%	10.8%	49,269	10,962,312	43.88%	56.12%
2021	42,616,564	6.0%	166,471	40.46%	260,469	53.5%	33.2%	13.3%	53,555	9,201,778	55.42%	44.58%
2020	40,192,859	12.5%	157,619	45.95%	240,760	43.9%	41.3%	14.9%	44,660	9,214,432	52.70%	47.30%
2019	35,726,922	-11.7%	141,213	46.50%	264,177	36.6%	47.3%	16.1%	46,552	11,121,822	39.50%	60.50%

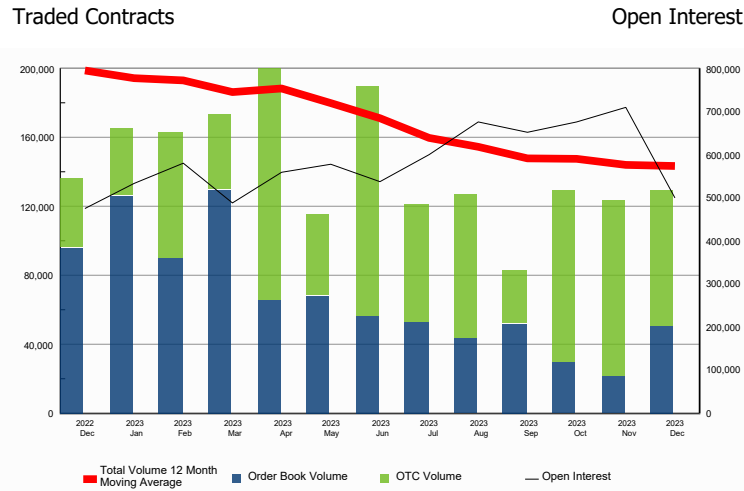
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Basic Resources Components

Number of Products 20  
 Number of Series 12,147  
 Launched Products per Month 0

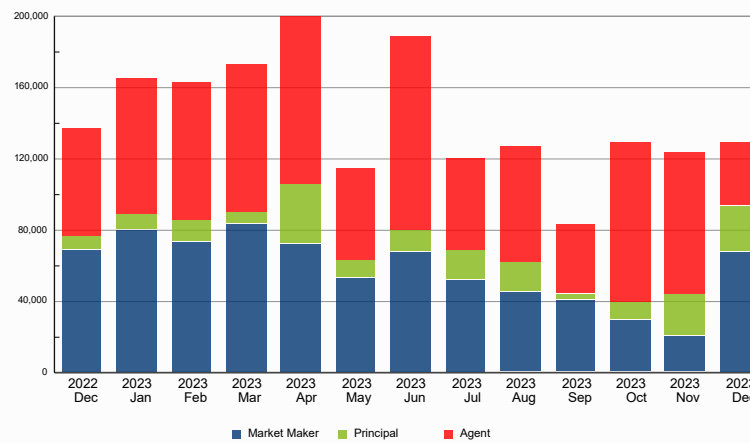
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

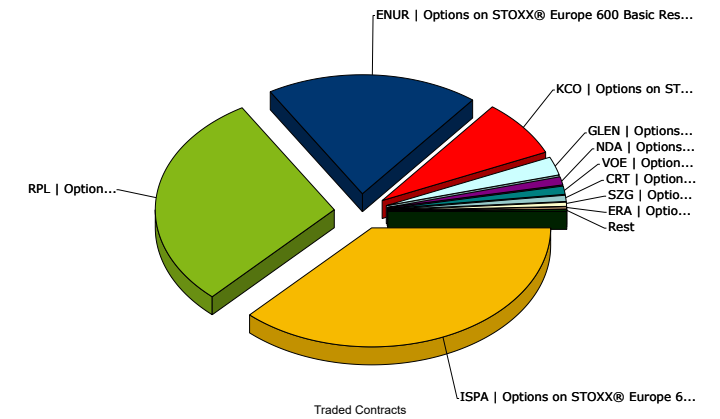
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts			No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	129,189	-5.6%	6,799	1,410	27.8%	52.2%	20.0%	331	499,442	69.44%	30.56%
Nov 2023	123,828	-25.4%	5,629	1,188	64.8%	17.0%	18.2%	224	709,352	70.12%	29.88%
Oct 2023	129,066	-2.4%	5,867	1,427	69.4%	22.6%	8.0%	266	675,548	68.71%	31.29%
Sep 2023	83,417	-49.1%	3,972	1,619	47.3%	49.4%	3.3%	223	651,538	29.12%	70.88%
Aug 2023	126,933	-32.8%	5,519	1,594	51.1%	36.1%	12.8%	370	675,562	53.30%	46.70%
Jul 2023	120,982	-53.1%	5,761	1,622	42.7%	42.6%	14.7%	255	599,731	51.68%	48.32%
Jun 2023	189,282	-35.7%	8,604	3,680	57.7%	35.9%	6.4%	416	537,043	45.29%	54.71%
May 2023	115,081	-46.9%	5,231	1,397	45.1%	45.9%	9.0%	267	577,483	21.28%	78.72%
Apr 2023	199,932	14.4%	11,107	1,373	47.1%	35.9%	17.0%	470	558,808	21.14%	78.86%
Mar 2023	173,643	-31.9%	7,550	2,271	48.0%	48.3%	3.6%	417	487,759	40.00%	60.00%
Feb 2023	163,036	-8.7%	8,152	1,751	47.8%	45.0%	7.3%	482	579,874	38.36%	61.64%
Jan 2023	165,810	-24.4%	7,537	2,190	46.5%	48.0%	5.5%	448	532,998	42.65%	57.35%
Dec 2022	136,810	-34.8%	6,515	1,318	43.6%	50.2%	6.2%	326	474,824	32.31%	67.69%

### Most Active Products (Traded Contracts)

ArcelorMittal	ISPA	47,748
UPM-Kymmene Corporation	RPL	37,875
Stora Enso	ENUR	24,814
Klöckner & Co	KCO	10,276
Glencore International	GLEN	3,047
Aurubis	NDA	1,652
Voestalpine	VOE	1,194
CaixaBank	CRT	1,000
Salzgitter	SZG	731
Eramet	ERA	481

Year	Traded Contracts			No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average		Agent	Market Maker	Principal			Calls	Puts
2023	1,720,199	-27.9%	6,746	21,522	49.7%	39.9%	10.4%	4,168	499,894	45.05%	54.95%
2022	2,384,799	15.9%	9,279	24,721	47.9%	41.6%	10.5%	6,286	476,525	53.83%	46.17%
2021	2,057,788	46.5%	8,038	26,190	51.7%	34.1%	14.2%	5,598	409,687	72.34%	27.66%
2020	1,404,963	-38.3%	5,510	17,886	42.5%	47.9%	9.6%	2,262	307,319	48.21%	51.79%
2019	2,278,465	47.1%	9,006	34,123	42.0%	46.8%	11.1%	4,042	381,030	50.33%	49.67%



## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Chemicals Components

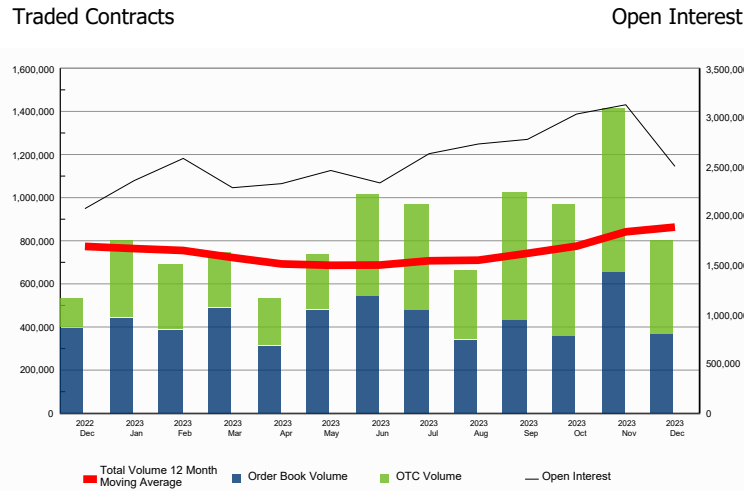
Number of Products	24
Number of Series	18,878
Launched Products per Month	1

### Volume Development Trend

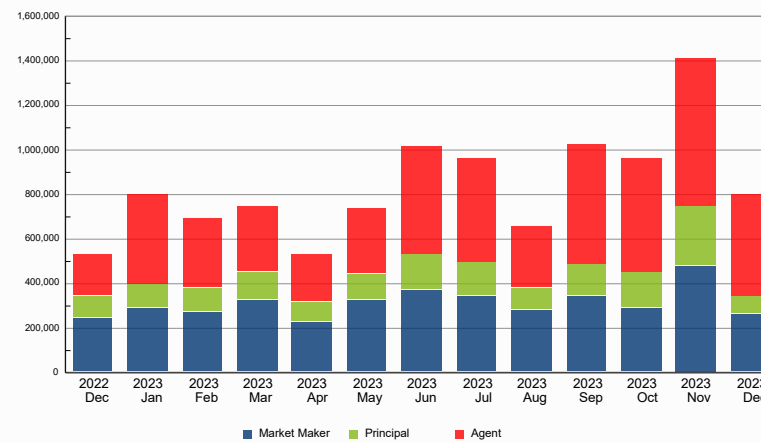
MoM Change ↓ YTM/YTM prev. Year →

↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

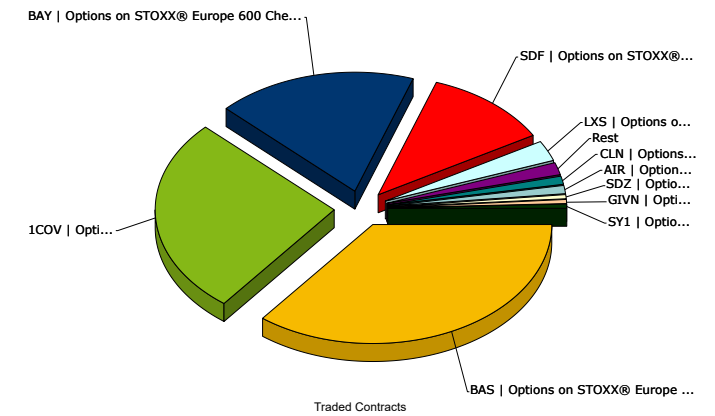
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	798,933	48.7%	42,049	45.48%	15,904	57.4%	33.5%	9.1%	3,582	2,504,863	58.16%	41.84%
Nov 2023	1,413,802	128.9%	64,264	46.37%	21,304	47.2%	33.8%	18.9%	6,363	3,130,182	35.97%	64.03%
Oct 2023	965,565	71.6%	43,889	37.41%	15,869	53.4%	29.7%	16.9%	4,618	3,035,815	43.28%	56.72%
Sep 2023	1,022,917	59.6%	48,710	41.94%	17,385	52.1%	34.1%	13.9%	5,158	2,778,726	45.06%	54.94%
Aug 2023	661,760	4.9%	28,772	51.17%	14,467	43.0%	42.4%	14.5%	3,316	2,731,952	47.38%	52.62%
Jul 2023	966,373	32.3%	46,018	49.54%	19,418	48.9%	35.8%	15.3%	4,774	2,633,645	47.97%	52.03%
Jun 2023	1,018,897	1.6%	46,314	53.04%	20,161	47.3%	36.7%	16.0%	4,475	2,337,000	43.07%	56.93%
May 2023	736,268	-9.3%	33,467	64.49%	16,717	39.8%	43.9%	16.3%	3,398	2,463,070	31.53%	68.47%
Apr 2023	536,219	-40.0%	29,790	57.42%	13,967	40.7%	42.0%	17.2%	2,724	2,329,650	42.57%	57.43%
Mar 2023	744,691	-34.5%	32,378	65.14%	19,181	39.0%	43.7%	17.4%	3,718	2,288,212	37.81%	62.19%
Feb 2023	693,730	-13.2%	34,687	55.82%	19,208	44.7%	38.9%	16.4%	4,105	2,585,458	47.63%	52.37%
Jan 2023	800,733	-13.2%	36,397	54.60%	20,674	50.3%	35.9%	13.8%	4,863	2,359,986	48.31%	51.69%
Dec 2022	537,360	-9.0%	25,589	72.72%	18,976	35.2%	45.4%	19.4%	3,088	2,076,038	37.76%	62.24%

Most Active Products (Traded Contracts)		
BASF	BAS	283,577
Covestro AG	1COV	214,461
Bayer	BAY	143,600
K+S	SDF	91,427
Lanxess	LXS	21,485
Clariant	CLN	9,017
Air Liquide	AIR	7,850
Sandoz Group AG	SDZ	5,793
Givaudan	GIVN	4,032
Symrise	SY1	3,841

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	10,359,888	11.6%	40,627	50.77%	214,255	47.6%	36.8%	15.6%	51,097	2,530,743	43.70%	56.30%
2022	9,285,932	6.7%	36,132	52.71%	260,630	45.2%	39.1%	15.7%	56,341	2,076,058	48.46%	51.54%
2021	8,701,540	-13.6%	33,990	48.06%	248,154	45.1%	37.9%	17.0%	56,289	2,064,083	56.36%	43.64%
2020	10,066,396	-15.4%	39,476	51.03%	282,468	38.1%	41.4%	20.5%	63,985	2,335,865	53.29%	46.71%
2019	11,896,175	7.7%	47,020	45.56%	322,352	36.3%	47.6%	16.1%	78,075	2,441,597	48.75%	51.25%

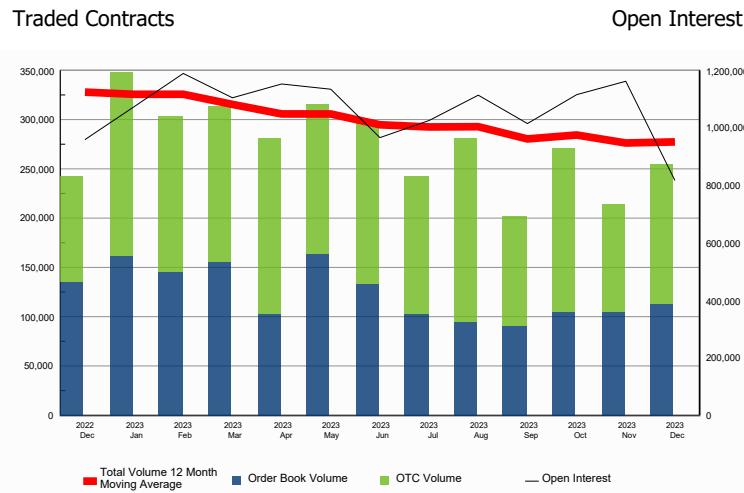
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Construction & Materials Components

Number of Products 32  
 Number of Series 21,230  
 Launched Products per Month 0

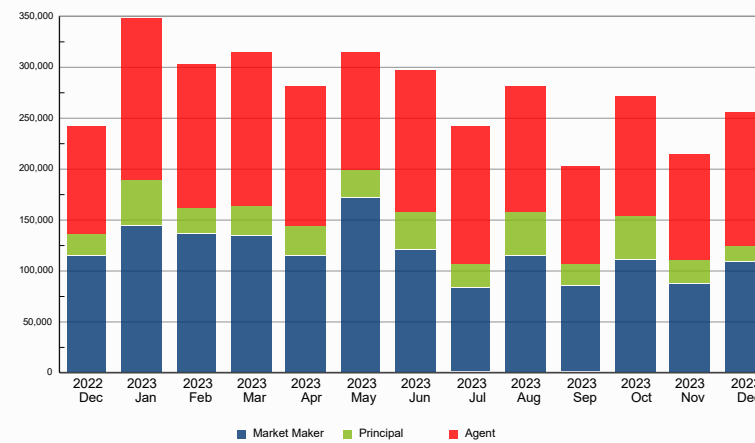
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ←  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

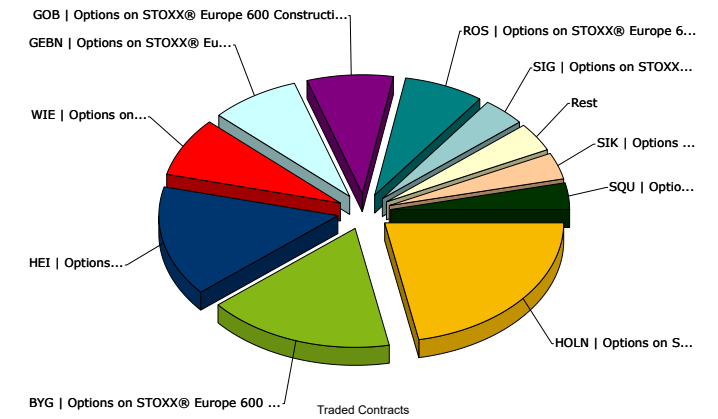
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	255,133	5.4%	13,428	43.80%	5,696	51.4%	42.9%	5.8%	1,539	816,680	53.40%	46.60%
Nov 2023	214,891	-31.1%	9,768	48.48%	5,623	48.7%	40.3%	11.1%	1,394	1,161,877	48.49%	51.51%
Oct 2023	271,583	21.4%	12,345	38.42%	5,121	43.0%	41.0%	16.0%	1,741	1,115,100	45.83%	54.17%
Sep 2023	202,839	-42.3%	9,659	44.80%	4,788	46.9%	41.7%	11.3%	1,252	1,014,741	35.26%	64.74%
Aug 2023	280,910	1.2%	12,213	33.67%	5,450	43.7%	41.1%	15.2%	1,630	1,113,366	39.08%	60.92%
Jul 2023	242,067	-9.9%	11,527	42.11%	5,517	55.9%	34.7%	9.4%	1,410	1,025,369	41.04%	58.96%
Jun 2023	297,201	-30.6%	13,509	44.77%	5,681	46.6%	40.7%	12.7%	1,806	965,807	39.40%	60.60%
May 2023	315,822	-0.2%	14,356	51.79%	5,483	36.8%	54.1%	9.2%	1,811	1,134,182	32.20%	67.80%
Apr 2023	281,757	-29.2%	15,653	36.68%	5,540	48.7%	40.6%	10.7%	1,740	1,152,376	44.24%	55.76%
Mar 2023	314,102	-28.2%	13,657	49.67%	7,110	47.8%	42.6%	9.6%	1,918	1,104,354	30.81%	69.19%
Feb 2023	303,702	0.2%	15,185	47.92%	6,546	46.8%	44.8%	8.4%	1,827	1,188,949	48.67%	51.33%
Jan 2023	348,061	-7.1%	15,821	46.48%	7,283	45.6%	41.2%	13.1%	1,773	1,073,296	49.26%	50.74%
Dec 2022	242,046	-26.7%	11,526	55.46%	5,989	43.5%	47.4%	9.1%	1,644	958,832	45.29%	54.71%

Most Active Products (Traded Contracts)		
Holcim Ltd	HOLN	55,879
Bouygues	BYG	43,169
Heidelberg Materials AG	HEI	38,195
Wienerberger	WIE	20,988
Geberit	GEBN	20,697
Saint-Gobain	GOB	19,801
Zur Rose Group	ROS	18,387
SIG Group	SIG	9,734
Sika	SIK	9,418
Vinci	SQU	9,205

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	3,328,068	-15.4%	13,051	44.20%	69,838	46.5%	42.4%	11.1%	19,840	818,614	42.22%	57.78%
2022	3,934,224	-2.3%	15,308	48.37%	93,412	45.9%	42.5%	11.6%	22,599	960,016	41.28%	58.72%
2021	4,024,852	14.6%	15,722	39.23%	74,432	49.7%	38.0%	12.3%	23,269	830,791	51.75%	48.25%
2020	3,513,524	-4.0%	13,779	42.21%	74,313	42.7%	40.2%	17.1%	17,151	700,050	50.32%	49.68%
2019	3,660,242	5.8%	14,467	46.94%	84,950	35.9%	47.1%	17.1%	17,515	725,182	42.17%	57.83%

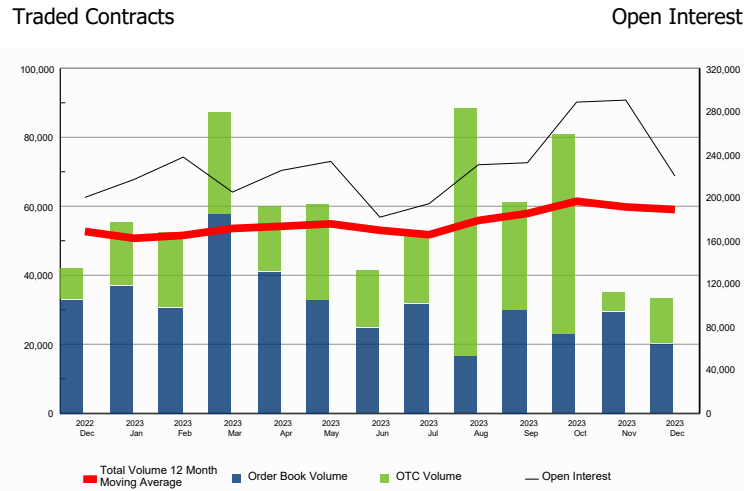
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Financial Services Components

Number of Products 17  
 Number of Series 8,709  
 Launched Products per Month 0

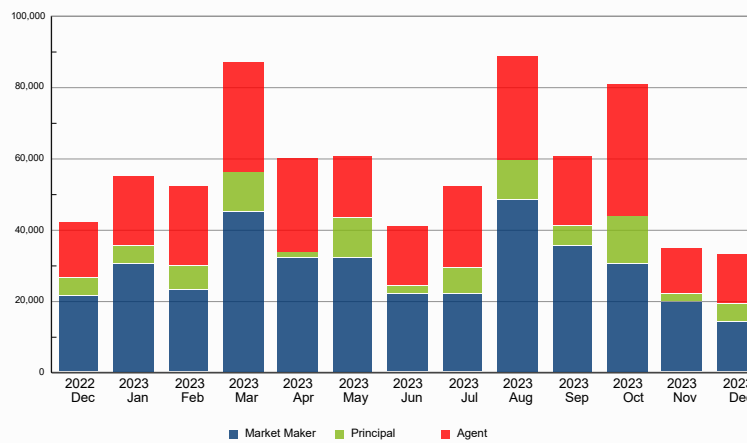
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

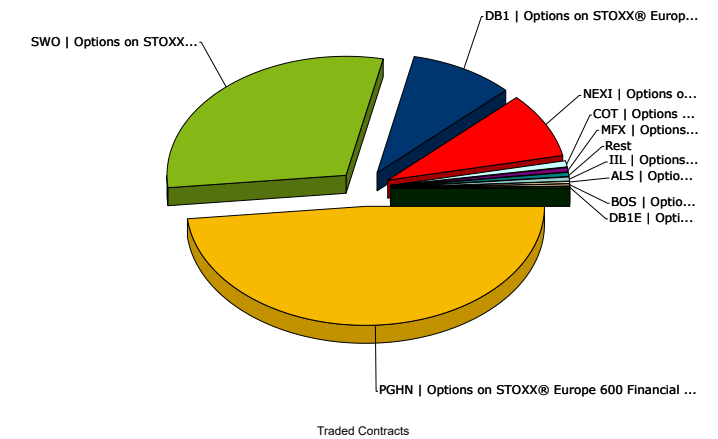
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	33,308	-21.3%	1,753	60.97%	1,824	41.3%	42.4%	16.2%	295	220,024	63.12%	36.88%
Nov 2023	35,166	-36.1%	1,598	83.11%	1,875	37.9%	56.0%	6.1%	349	290,478	53.67%	46.33%
Oct 2023	81,049	109.7%	3,684	28.28%	1,941	45.5%	37.7%	16.8%	401	288,621	42.78%	57.22%
Sep 2023	60,987	66.6%	2,904	49.34%	1,912	32.8%	57.9%	9.3%	414	232,386	32.38%	67.62%
Aug 2023	88,666	127.2%	3,855	18.50%	1,626	32.4%	54.6%	12.9%	669	230,503	43.42%	56.58%
Jul 2023	52,566	-22.8%	2,503	60.03%	2,163	44.3%	42.4%	13.3%	458	194,415	53.10%	46.90%
Jun 2023	41,266	-35.2%	1,876	59.11%	1,880	40.5%	54.1%	5.4%	345	181,875	48.16%	51.84%
May 2023	60,618	16.6%	2,755	53.64%	2,126	28.8%	52.9%	18.3%	483	233,631	24.36%	75.64%
Apr 2023	59,962	14.2%	3,331	68.55%	1,868	43.1%	53.3%	3.6%	320	225,279	46.37%	53.63%
Mar 2023	87,072	38.4%	3,786	66.58%	3,473	35.6%	52.0%	12.4%	599	205,151	35.52%	64.48%
Feb 2023	52,651	23.6%	2,633	57.35%	2,318	43.0%	44.5%	12.5%	435	237,634	43.40%	56.60%
Jan 2023	55,188	-30.1%	2,509	66.48%	3,002	36.0%	55.7%	8.3%	344	216,883	40.22%	59.78%
Dec 2022	42,309	-6.6%	2,015	78.05%	2,337	37.1%	50.3%	12.6%	360	200,212	32.88%	67.12%

### Most Active Products (Traded Contracts)

Partners GRP Holding	PGHN	16,065
SoftwareONE Holding	SWO	10,053
Deutsche Börse	DB1	3,095
NEXI	NEXI	3,024
Comet Holding	COT	268
WENDEL	MFX	199
EXOR SPA	IIL	111
ALSO Holding	ALS	110
Bossard Holding	BOS	100
Deutsche Börse AG	DB1E	97

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	708,499	12.0%	2,778	52.70%	26,008	38.0%	50.3%	11.7%	5,110	221,721	42.22%	57.78%
2022	632,361	18.8%	2,461	56.55%	26,096	44.6%	46.3%	9.1%	4,821	200,212	36.58%	63.42%
2021	532,332	-12.4%	2,079	67.10%	23,010	47.8%	43.8%	8.4%	4,963	88,930	57.66%	42.34%
2020	607,359	11.6%	2,382	57.49%	23,237	43.1%	43.1%	13.9%	5,387	79,240	51.26%	48.74%
2019	544,297	25.5%	2,151	54.08%	14,865	44.9%	35.6%	19.5%	4,640	83,763	67.83%	32.17%

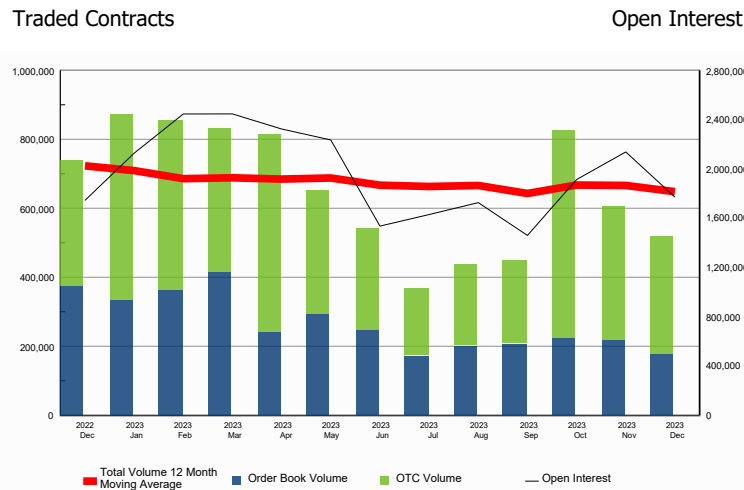
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Food & Beverage Components

Number of Products 36  
 Number of Series 26,372  
 Launched Products per Month 0

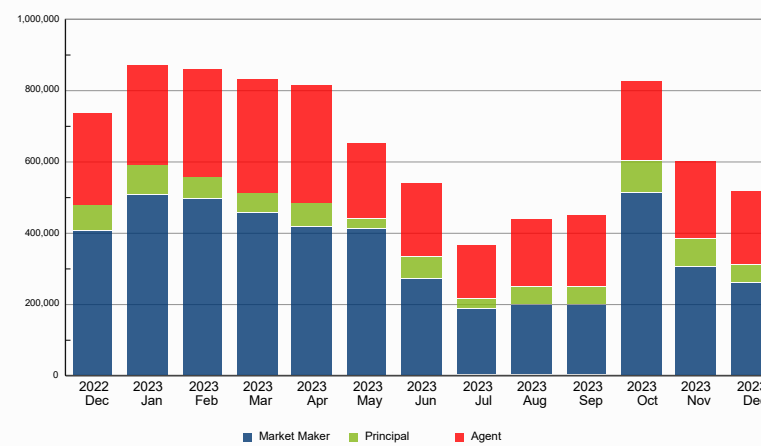
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

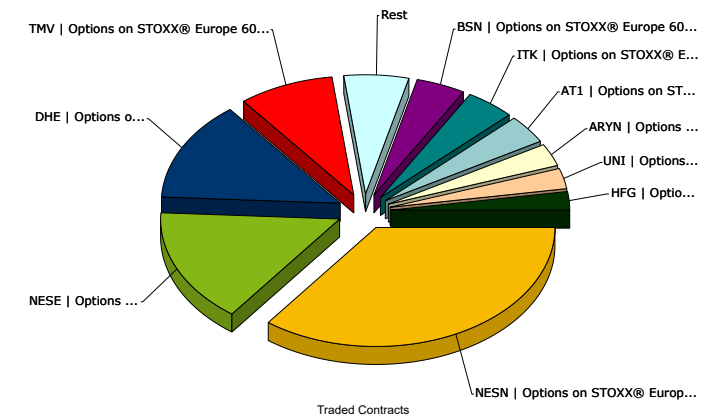
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	520,927	-29.3%	27,417	34.34%	7,905	40.4%	49.5%	10.1%	3,673	1,770,833	46.71%	53.29%
Nov 2023	603,459	-2.2%	27,430	35.62%	9,287	36.3%	50.7%	13.0%	4,534	2,137,050	38.57%	61.43%
Oct 2023	828,814	54.5%	37,673	27.15%	8,700	27.1%	61.8%	11.1%	7,488	1,913,292	41.24%	58.76%
Sep 2023	450,344	-38.1%	21,445	46.04%	7,403	44.9%	44.3%	10.8%	3,232	1,459,670	45.88%	54.12%
Aug 2023	438,191	8.8%	19,052	46.14%	8,730	43.0%	45.9%	11.1%	3,172	1,725,683	44.81%	55.19%
Jul 2023	365,685	-11.0%	17,414	47.58%	8,113	41.1%	51.7%	7.2%	3,033	1,628,845	46.84%	53.16%
Jun 2023	542,517	-31.6%	24,660	45.98%	8,895	39.1%	49.9%	11.0%	3,895	1,535,251	37.48%	62.52%
May 2023	650,679	6.2%	29,576	44.90%	10,473	32.3%	63.0%	4.7%	6,426	2,234,627	44.04%	55.96%
Apr 2023	812,809	-5.1%	45,156	29.87%	10,738	40.6%	51.6%	7.7%	7,451	2,323,486	52.33%	47.67%
Mar 2023	834,304	3.7%	36,274	50.01%	15,125	38.6%	54.6%	6.7%	6,383	2,446,026	46.22%	53.78%
Feb 2023	857,945	-24.6%	42,897	42.51%	26,110	34.7%	57.7%	7.6%	7,448	2,445,534	41.56%	58.44%
Jan 2023	871,784	-16.0%	39,627	38.26%	19,006	32.2%	57.8%	9.9%	8,232	2,126,857	41.09%	58.91%
Dec 2022	737,049	17.8%	35,098	50.70%	12,901	34.8%	55.3%	9.9%	6,664	1,743,689	42.20%	57.80%

Most Active Products (Traded Contracts)		
Nestlé	NESN	183,752
NESTLE AG	NESE	81,718
Delivery Hero SE	DHE	70,502
TeamViewer AG	TMV	44,980
Danone	BSN	23,464
Anheuser-Busch-InBev	ITK	23,003
AROUNDTOWN S.A.	AT1	20,196
Aryzta	ARYN	16,553
Unilever PLC	UNI	13,973
HelloFresh SE	HFG	13,244

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	7,777,458	-10.4%	30,500	39.89%	140,485	36.6%	54.3%	9.1%	64,967	1,771,354	43.82%	56.18%
2022	8,675,854	1.4%	33,758	50.84%	157,696	33.7%	59.1%	7.2%	77,393	1,743,929	42.00%	58.00%
2021	8,557,244	9.5%	33,427	47.13%	133,795	36.0%	57.2%	6.8%	72,369	1,572,227	44.78%	55.22%
2020	7,816,525	-10.0%	30,653	43.31%	123,730	30.8%	59.5%	9.7%	68,556	1,657,207	43.20%	56.80%
2019	8,686,402	13.3%	34,334	43.72%	120,681	29.3%	58.9%	11.8%	69,227	1,506,749	47.95%	52.05%

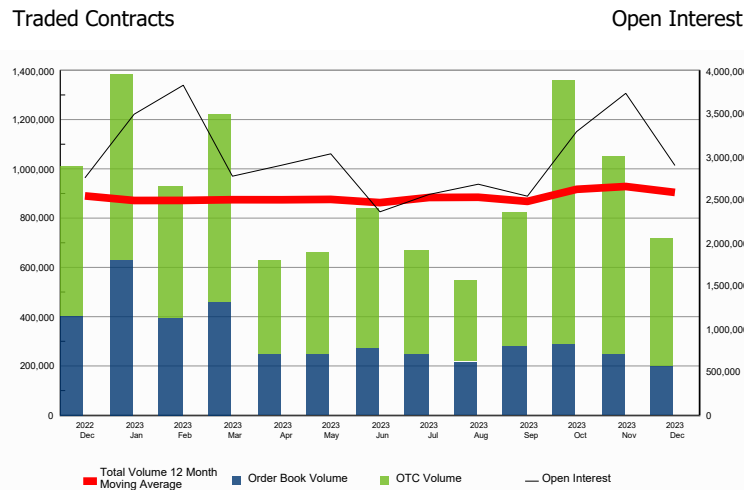
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Health Care Components

Number of Products 31  
 Number of Series 22,612  
 Launched Products per Month 0

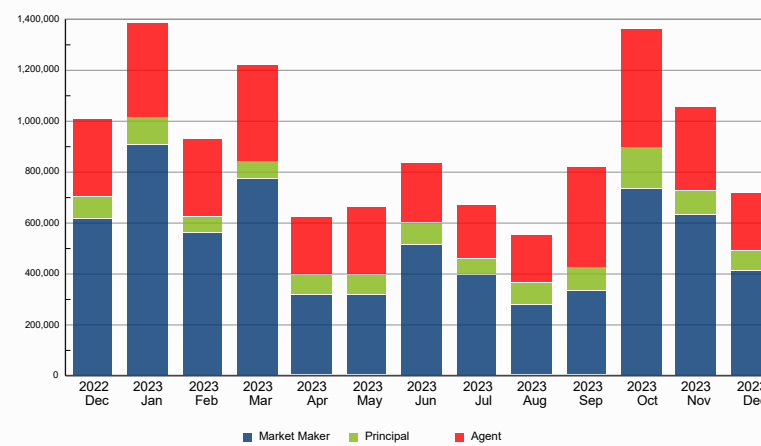
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

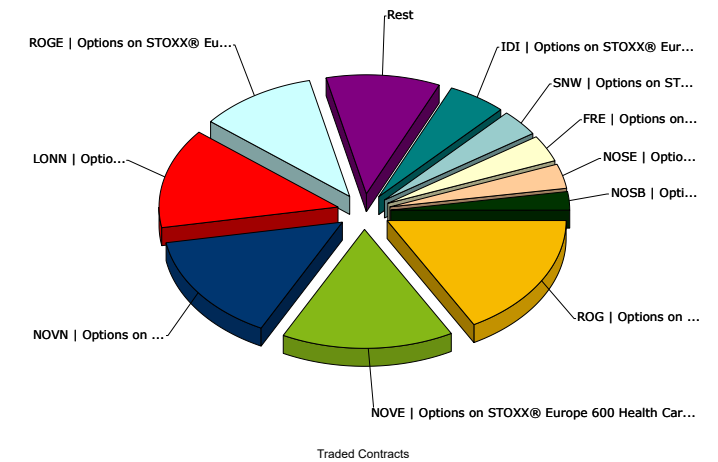
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	721,445	-28.6%	37,971	27.66%	12,142	32.1%	56.5%	11.4%	9,375	2,896,204	42.47%	57.53%
Nov 2023	1,055,154	15.0%	47,962	23.68%	12,829	31.0%	59.7%	9.3%	14,692	3,732,787	36.62%	63.38%
Oct 2023	1,363,115	75.8%	61,960	21.09%	15,959	34.3%	53.9%	11.8%	15,721	3,288,962	34.59%	65.41%
Sep 2023	823,493	-19.7%	39,214	34.20%	14,187	48.0%	39.9%	12.0%	8,418	2,540,044	37.70%	62.30%
Aug 2023	551,807	2.3%	23,992	39.55%	14,141	33.7%	50.7%	15.5%	6,338	2,679,094	38.13%	61.87%
Jul 2023	672,807	59.1%	32,038	36.77%	13,278	31.9%	58.8%	9.2%	7,111	2,560,524	44.27%	55.73%
Jun 2023	839,406	-15.8%	38,155	32.34%	13,356	28.9%	61.0%	10.1%	11,548	2,358,779	41.77%	58.23%
May 2023	661,150	2.8%	30,052	37.65%	12,297	39.6%	48.0%	12.4%	8,266	3,031,466	48.68%	51.32%
Apr 2023	625,843	-0.5%	34,769	40.06%	12,931	36.4%	50.5%	13.1%	7,826	2,899,119	48.33%	51.67%
Mar 2023	1,222,551	2.9%	53,154	37.37%	21,888	30.9%	63.3%	5.9%	14,816	2,771,919	39.95%	60.05%
Feb 2023	931,944	0.3%	46,597	42.46%	19,187	32.7%	60.3%	6.9%	12,223	3,826,887	40.40%	59.60%
Jan 2023	1,382,650	-13.8%	62,848	45.80%	70,575	26.8%	65.4%	7.8%	18,985	3,490,241	34.96%	65.04%
Dec 2022	1,010,214	-21.6%	48,105	40.16%	23,155	30.1%	60.6%	9.3%	14,150	2,752,420	39.57%	60.43%

Most Active Products (Traded Contracts)		
Roche Holding	ROG	121,715
NOVARTIS AG	NOVE	112,470
NOVARTIS AG	NOVN	107,331
Lonza Group	LONN	97,147
Roche Holding	ROGE	75,968
Idorsia Ltd	IDI	39,466
Sanofi-Aventis old	SNW	26,264
Fresenius	FRE	24,837
NOVARTIS SANDOZ BASKET	NOSE	24,426
NOVARTIS SANDOZ BASKET	NOSB	18,261

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	10,851,365	1.6%	42,554	34.47%	232,770	33.2%	56.8%	10.0%	135,318	2,896,497	39.68%	60.32%
2022	10,681,683	-16.3%	41,563	41.38%	222,453	31.0%	61.0%	8.0%	141,340	2,755,470	40.58%	59.42%
2021	12,761,531	19.5%	49,850	35.18%	195,263	42.4%	50.7%	6.9%	143,700	3,020,334	41.62%	58.38%
2020	10,682,520	6.2%	41,892	39.48%	206,825	28.5%	61.1%	10.3%	141,149	2,537,913	44.14%	55.86%
2019	10,057,261	4.7%	39,752	45.92%	228,798	26.9%	62.3%	10.9%	116,522	2,453,868	45.34%	54.66%

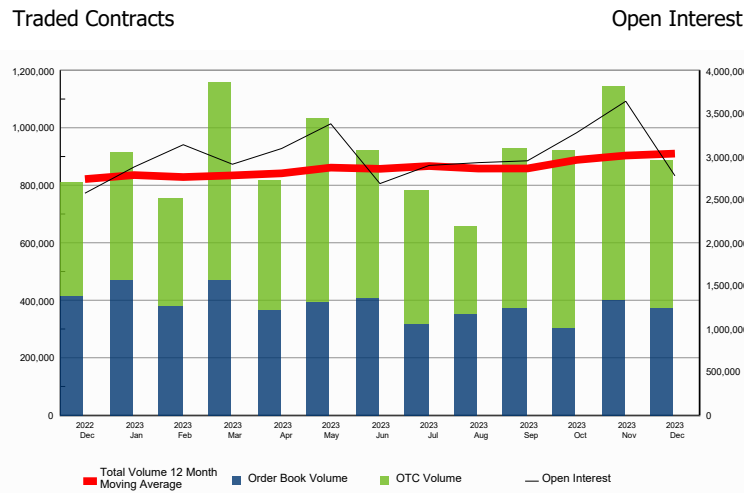
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Industrial Goods & Services Components

Number of Products 68  
 Number of Series 43,974  
 Launched Products per Month 0

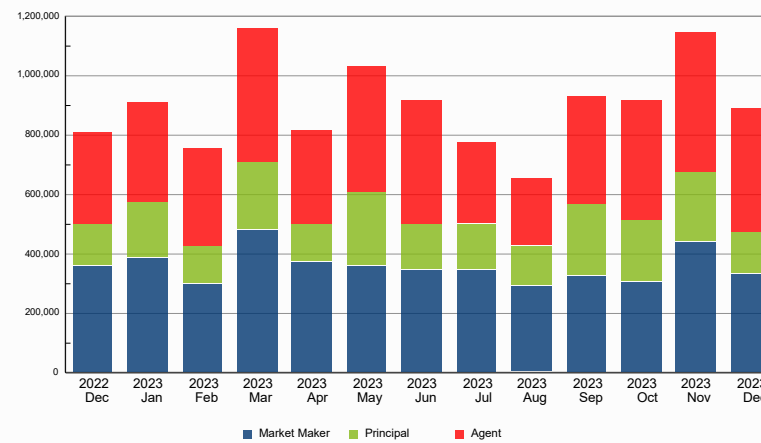
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

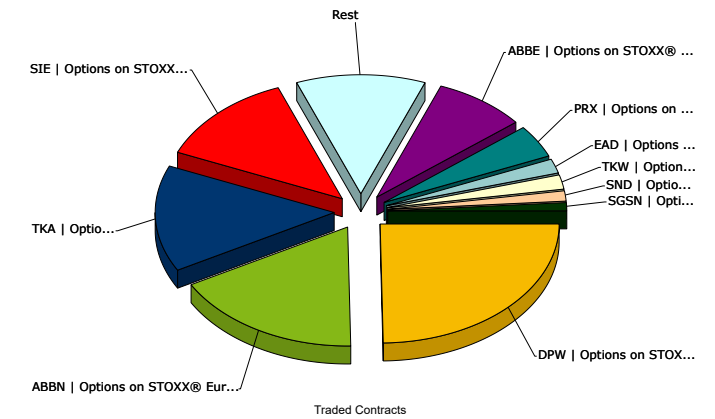
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	889,242	9.9%	46,802	41.57%	16,521	46.6%	37.6%	15.8%	5,340	2,776,149	46.32%	53.68%
Nov 2023	1,144,305	19.1%	52,014	35.05%	17,811	40.8%	38.3%	20.9%	7,321	3,641,031	48.28%	51.72%
Oct 2023	921,294	63.2%	41,877	33.03%	13,982	43.8%	33.2%	23.0%	5,017	3,275,875	43.49%	56.51%
Sep 2023	928,533	0.5%	44,216	40.11%	17,707	38.7%	35.2%	26.1%	5,414	2,950,406	41.53%	58.47%
Aug 2023	658,632	-13.8%	28,636	52.92%	18,058	34.9%	43.9%	21.2%	4,844	2,929,194	37.18%	62.82%
Jul 2023	779,955	17.7%	37,141	40.70%	14,603	35.8%	44.0%	20.2%	4,901	2,896,802	41.57%	58.43%
Jun 2023	919,073	-5.2%	41,776	44.27%	16,710	45.3%	37.6%	17.1%	5,362	2,686,108	47.05%	52.95%
May 2023	1,032,163	30.0%	46,917	38.39%	15,612	41.0%	34.7%	24.3%	4,960	3,379,578	35.93%	64.07%
Apr 2023	820,213	11.7%	45,567	44.22%	12,986	39.2%	45.6%	15.2%	4,023	3,092,770	43.67%	56.33%
Mar 2023	1,160,322	6.4%	50,449	40.33%	19,538	38.8%	41.6%	19.6%	5,824	2,910,620	40.64%	59.36%
Feb 2023	755,879	-9.8%	37,794	50.39%	17,859	43.2%	39.4%	17.4%	4,518	3,136,962	42.02%	57.98%
Jan 2023	912,821	22.3%	41,492	51.53%	20,688	37.2%	42.0%	20.8%	4,799	2,878,758	42.65%	57.35%
Dec 2022	809,303	26.0%	38,538	51.48%	16,698	37.8%	44.5%	17.7%	4,133	2,574,715	46.83%	53.17%

Most Active Products (Traded Contracts)		
Deutsche Post	DPW	219,211
ABB	ABBN	153,542
Thyssen Krupp	TKA	128,578
Siemens	SIE	113,146
ABB	ABBE	76,108
Prosus NV	PRX	38,797
Airbus Group N.V.	EAD	18,049
Just Eat Takeaway.com N.V.	TKW	14,850
Schneider Electric	SND	12,549
SGS	SGSN	10,898

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	10,922,432	10.8%	42,833	42.10%	202,075	40.6%	39.2%	20.2%	62,324	2,776,546	42.66%	57.34%
2022	9,858,488	-6.0%	38,360	55.28%	237,919	40.2%	43.7%	16.1%	51,310	2,581,573	42.29%	57.71%
2021	10,488,675	-36.0%	40,971	45.72%	221,554	42.1%	41.3%	16.6%	57,910	2,472,093	50.83%	49.17%
2020	16,380,081	-13.0%	64,236	48.43%	412,687	35.2%	46.9%	17.9%	82,216	3,415,858	45.74%	54.26%
2019	18,831,608	11.1%	74,433	46.90%	418,633	35.4%	47.2%	17.4%	90,581	3,866,579	47.47%	52.53%

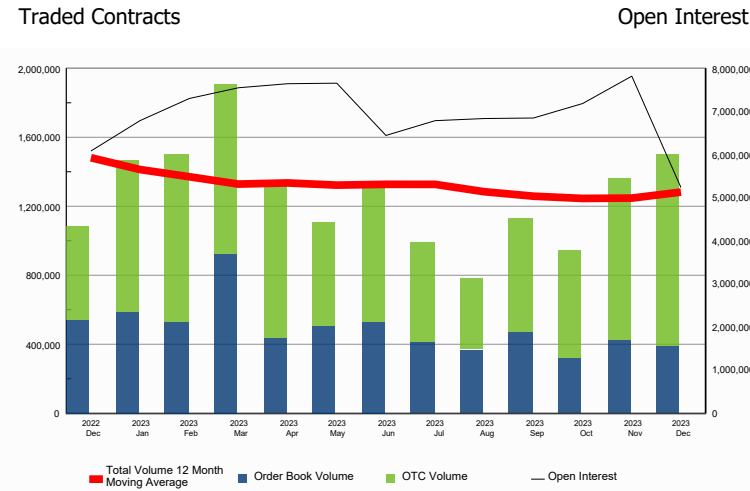
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Insurance Components

Number of Products 34  
 Number of Series 24,261  
 Launched Products per Month 0

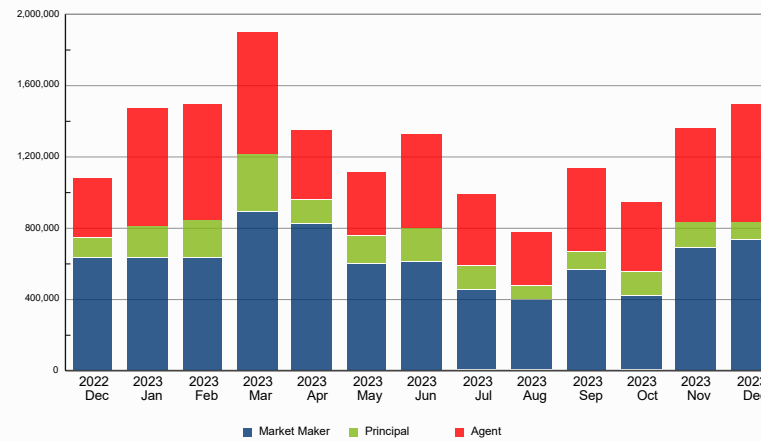
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

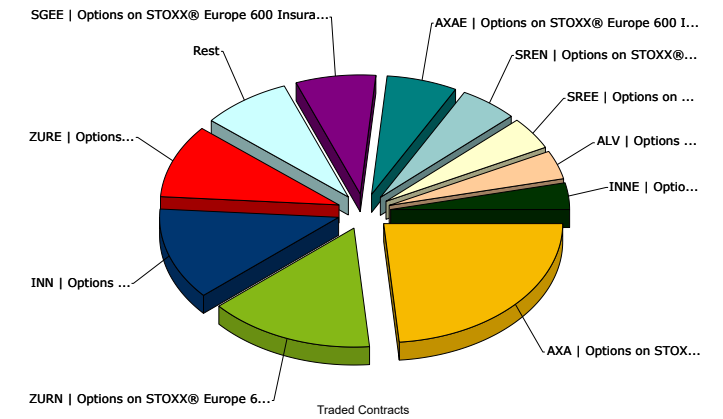
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,498,844	38.8%	78,887	25.85%	13,013	44.6%	48.9%	6.5%	8,058	5,235,374	44.87%	55.13%
Nov 2023	1,366,137	1.6%	62,097	30.76%	14,525	38.9%	50.0%	11.0%	6,508	7,817,325	37.61%	62.39%
Oct 2023	950,796	-14.1%	43,218	33.78%	11,344	41.9%	43.8%	14.3%	4,700	7,182,384	36.34%	63.66%
Sep 2023	1,132,069	-21.5%	53,908	41.31%	14,845	41.4%	49.7%	8.9%	5,660	6,846,933	30.65%	69.35%
Aug 2023	783,701	-39.5%	34,074	46.39%	14,005	39.2%	50.0%	10.8%	4,501	6,834,870	31.12%	68.88%
Jul 2023	988,902	-0.2%	47,091	42.23%	12,941	40.8%	45.8%	13.5%	4,543	6,785,454	30.35%	69.65%
Jun 2023	1,331,734	4.4%	60,533	39.69%	14,568	39.8%	45.8%	14.4%	5,866	6,442,325	32.45%	67.55%
May 2023	1,113,061	-12.0%	50,594	45.38%	16,184	31.9%	53.6%	14.6%	6,344	7,654,728	37.16%	62.84%
Apr 2023	1,345,547	6.3%	74,753	32.59%	15,762	29.2%	60.8%	10.0%	6,829	7,642,286	44.92%	55.08%
Mar 2023	1,904,222	-21.2%	82,792	48.36%	27,525	36.1%	46.7%	17.2%	9,313	7,548,063	34.03%	65.97%
Feb 2023	1,500,969	-25.0%	75,048	35.20%	15,575	43.5%	42.0%	14.5%	7,219	7,299,623	31.54%	68.46%
Jan 2023	1,469,809	-35.9%	66,810	39.97%	19,184	45.1%	42.9%	12.0%	8,305	6,786,715	36.88%	63.12%
Dec 2022	1,080,158	11.8%	51,436	49.56%	15,050	31.1%	58.5%	10.3%	5,748	6,081,910	41.12%	58.88%

Most Active Products (Traded Contracts)		
AXA	AXA	355,239
Zurich Insurance Group	ZURN	221,610
ING	INN	187,518
Zurich Insurance Group	ZURE	151,449
SOCIETE GENERALE	SGEE	108,444
AXA	AXAE	94,538
Swiss Re	SREN	81,619
Swiss Re	SREE	64,557
Allianz	ALV	58,879
ING GROEP NV CVA	INNE	54,130

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	15,385,791	-13.5%	60,336	38.26%	189,471	39.4%	48.2%	12.4%	77,846	5,238,199	35.98%	64.02%
2022	17,776,793	-6.1%	69,170	36.48%	197,432	42.1%	46.4%	11.5%	86,854	6,085,863	35.53%	64.47%
2021	18,930,800	-15.9%	73,948	32.39%	182,240	43.6%	44.0%	12.4%	81,683	7,092,185	39.78%	60.22%
2020	22,520,235	8.1%	88,315	35.95%	254,391	35.5%	51.2%	13.3%	91,370	8,796,233	42.00%	58.00%
2019	20,828,815	-1.3%	82,327	40.55%	245,952	33.2%	54.0%	12.8%	94,355	7,321,207	40.41%	59.59%

## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Media Components

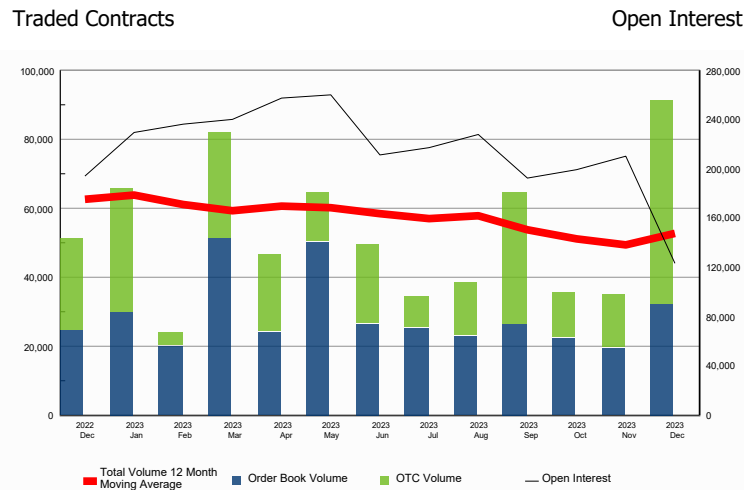
Number of Products	13
Number of Series	9,350
Launched Products per Month	0

### Volume Development Trend

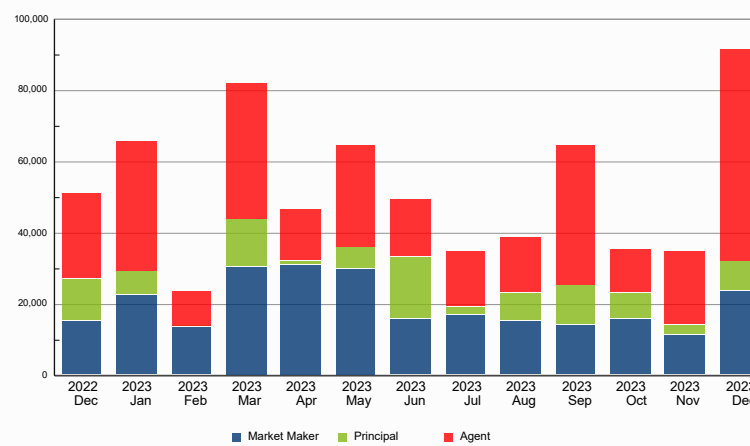
MoM Change ↑ YTM/YTM prev. Year ←

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

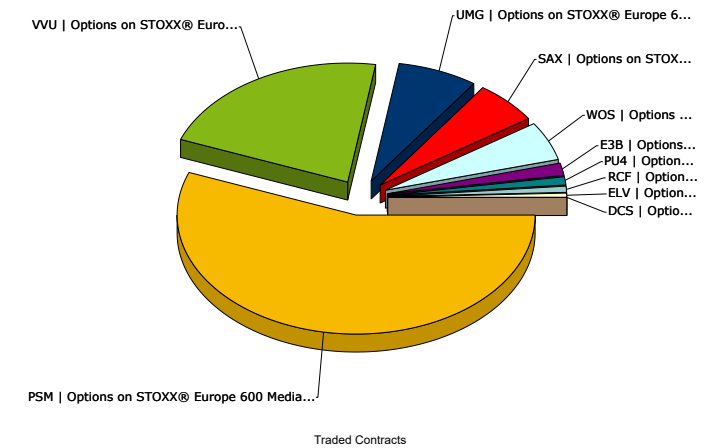
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	91,468	77.8%	4,814	35.39%	890	64.9%	26.2%	8.9%	185	123,318	84.43%	15.57%
Nov 2023	34,906	-37.4%	1,587	55.59%	686	59.6%	32.9%	7.5%	53	210,278	61.34%	38.66%
Oct 2023	35,705	-46.9%	1,623	63.38%	846	35.6%	44.3%	20.1%	65	199,333	32.05%	67.95%
Sep 2023	64,692	-43.0%	3,081	40.90%	746	60.7%	21.6%	17.6%	116	192,499	51.23%	48.77%
Aug 2023	38,855	34.1%	1,689	59.61%	930	39.6%	39.5%	20.9%	80	227,900	55.81%	44.19%
Jul 2023	34,797	-33.0%	1,657	73.13%	1,221	44.3%	48.5%	7.2%	67	217,209	40.93%	59.07%
Jun 2023	49,378	-29.6%	2,244	53.05%	805	32.5%	32.4%	35.1%	128	211,296	25.35%	74.65%
May 2023	64,573	-7.8%	2,935	77.99%	1,200	43.9%	46.5%	9.6%	116	260,071	26.99%	73.01%
Apr 2023	46,688	51.9%	2,594	51.53%	864	31.6%	67.0%	1.4%	86	257,439	31.15%	68.85%
Mar 2023	81,933	-20.8%	3,562	62.72%	1,275	46.6%	37.3%	16.1%	178	240,142	41.57%	58.43%
Feb 2023	23,944	-57.9%	1,197	83.50%	804	43.1%	56.4%	0.5%	75	236,268	39.94%	60.06%
Jan 2023	65,721	28.7%	2,987	45.09%	1,120	55.7%	34.1%	10.2%	174	229,524	49.89%	50.11%
Dec 2022	51,456	-40.0%	2,450	47.90%	1,118	47.4%	30.1%	22.5%	93	194,147	68.48%	31.52%

### Most Active Products (Traded Contracts)

ProSiebenSat.1	PSM	51,055
VIVENDI	VVU	19,957
Universal Music Group	UMG	6,508
Stroer SE Co. KGaA o.N.	SAX	5,310
Wolters Kluwer	WOS	4,897
EUTELSAT GROUP	E3B	1,369
Publicis Groupe	PU4	1,081
Téléperformance	RCF	853
RELX PLC	ELV	397
JCDECAUX	DCS	41

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	632,660	-15.8%	2,481	55.50%	11,387	48.6%	38.1%	13.3%	1,324	123,538	47.43%	52.57%
2022	751,270	-10.9%	2,923	50.21%	13,472	53.7%	33.9%	12.3%	1,711	194,395	49.03%	50.97%
2021	843,626	-16.6%	3,295	40.96%	14,488	49.5%	34.9%	15.6%	2,360	119,912	60.08%	39.92%
2020	1,011,265	-13.9%	3,966	41.31%	15,236	38.1%	43.2%	18.8%	2,322	178,672	52.98%	47.02%
2019	1,174,501	-0.4%	4,642	55.63%	20,987	31.7%	54.8%	13.5%	2,956	216,362	42.51%	57.49%



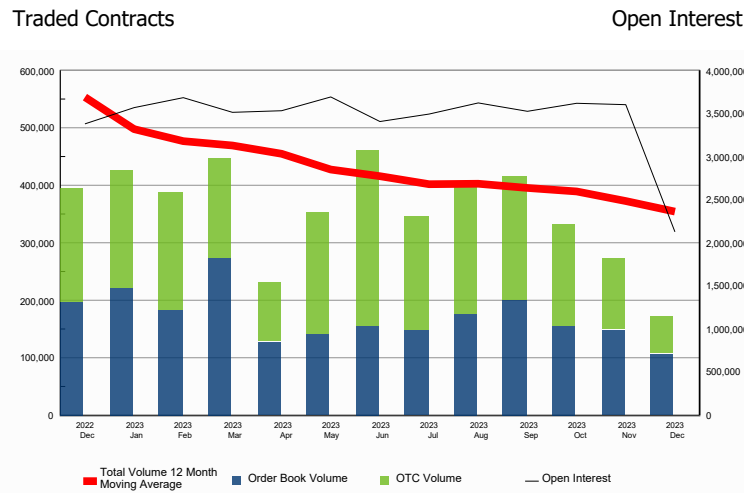
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Oil & Gas Components

Number of Products 14  
 Number of Series 9,799  
 Launched Products per Month 0

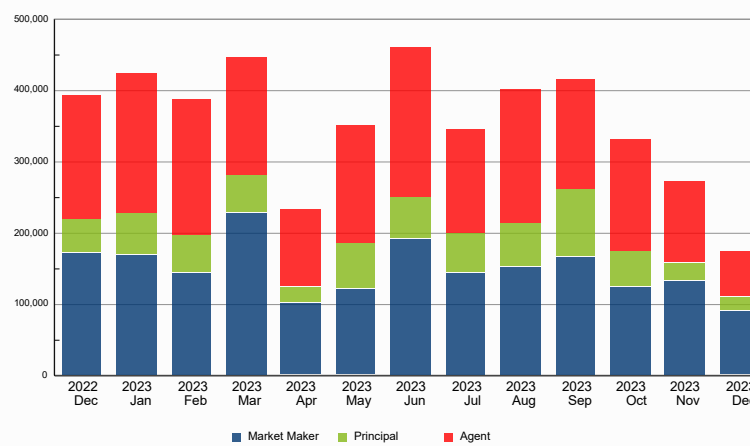
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ↓  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

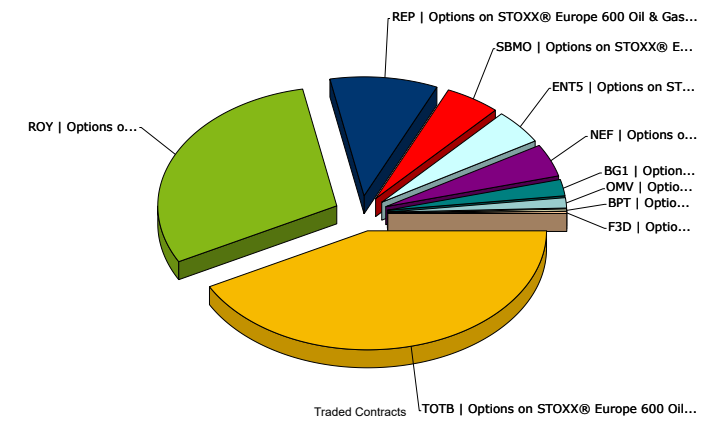
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	173,885	-55.9%	9,152	61.87%	3,513	36.8%	51.5%	11.7%	737	2,126,309	46.43%	53.57%
Nov 2023	273,763	-42.3%	12,444	54.62%	3,981	42.0%	48.8%	9.2%	1,162	3,601,442	42.73%	57.27%
Oct 2023	332,265	-18.0%	15,103	46.22%	3,589	47.1%	37.4%	15.5%	1,378	3,617,357	41.29%	58.71%
Sep 2023	416,971	-17.3%	19,856	47.70%	4,944	37.1%	40.2%	22.6%	1,645	3,524,301	53.01%	46.99%
Aug 2023	403,579	2.4%	17,547	43.89%	4,588	46.8%	38.1%	15.2%	1,414	3,621,483	43.36%	56.64%
Jul 2023	345,449	-32.6%	16,450	42.53%	6,041	42.0%	41.4%	16.6%	1,303	3,492,524	49.43%	50.57%
Jun 2023	460,744	-23.1%	20,943	33.82%	6,265	45.3%	41.5%	13.1%	1,799	3,405,789	43.08%	56.92%
May 2023	352,192	-48.3%	16,009	39.85%	5,342	47.5%	34.7%	17.8%	1,340	3,690,900	47.00%	53.00%
Apr 2023	232,641	-42.6%	12,925	54.99%	4,073	46.3%	43.8%	9.9%	884	3,530,916	52.05%	47.95%
Mar 2023	446,326	-16.9%	19,405	61.28%	7,206	36.6%	51.3%	12.1%	1,739	3,512,661	40.06%	59.94%
Feb 2023	387,603	-39.3%	19,380	47.54%	5,871	49.1%	37.1%	13.8%	1,460	3,682,533	52.00%	48.00%
Jan 2023	425,256	-61.1%	19,330	52.05%	4,926	46.1%	40.0%	13.8%	1,579	3,567,026	46.53%	53.47%
Dec 2022	393,854	-57.8%	18,755	49.75%	4,203	44.2%	43.6%	12.2%	1,673	3,378,704	52.56%	47.44%

### Most Active Products (Traded Contracts)

TotalEnergies SE	TOTB	73,316
Shell Plc	ROY	51,989
Repsol YPF	REP	16,682
SBM Offshore	SBMO	8,806
ENI (ITA exec. type)	ENT5	8,190
Neste Oil Corporation	NEF	7,866
BAWAG Group AG	BG1	3,783
OMV	OMV	2,250
BP	BPT	729
Fugro	F3D	274

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	4,250,674	-36.0%	16,669	47.92%	60,339	43.7%	41.6%	14.6%	16,440	2,126,718	46.23%	53.77%
2022	6,639,566	-47.6%	25,835	47.08%	68,947	46.4%	40.3%	13.4%	24,020	3,378,749	49.96%	50.04%
2021	12,673,351	24.6%	49,505	29.71%	80,669	55.0%	32.8%	12.2%	37,884	4,600,688	45.49%	54.51%
2020	10,170,527	57.4%	39,884	34.55%	88,331	52.8%	36.2%	10.9%	27,144	3,661,154	45.48%	54.52%
2019	6,459,584	11.5%	25,532	45.59%	74,720	37.7%	47.3%	14.9%	22,715	2,500,840	40.32%	59.68%

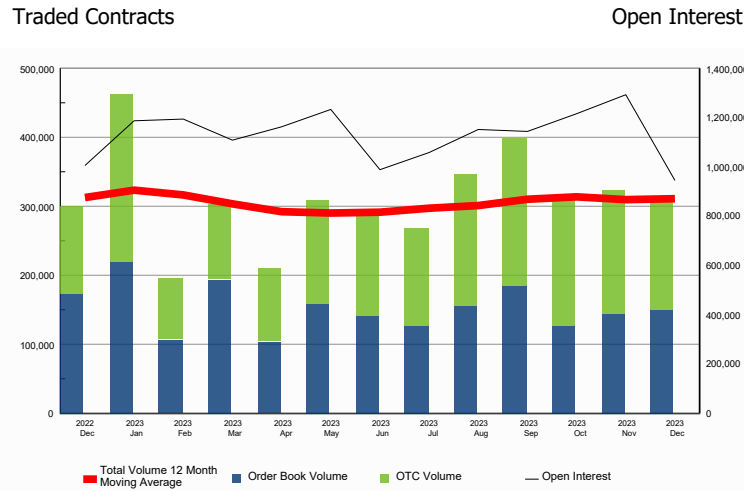
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Personal & Household Goods Components

Number of Products 52  
 Number of Series 40,470  
 Launched Products per Month 0

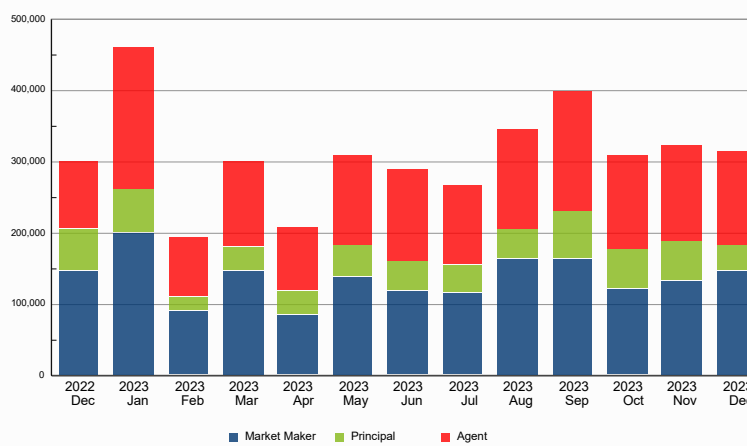
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

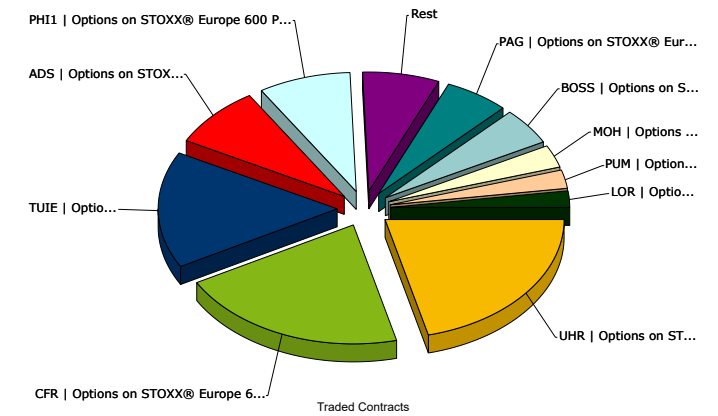
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	315,770	5.2%	16,619	46.89%	10,216	41.9%	46.9%	11.2%	3,368	944,963	47.11%	52.89%
Nov 2023	322,862	-13.0%	14,676	44.86%	11,579	41.5%	41.4%	17.1%	4,291	1,292,668	38.51%	61.49%
Oct 2023	310,715	15.6%	14,123	40.64%	10,860	43.2%	39.4%	17.3%	4,477	1,215,659	31.74%	68.26%
Sep 2023	398,757	37.8%	18,988	46.03%	13,832	42.3%	41.3%	16.4%	5,802	1,143,711	34.92%	65.08%
Aug 2023	345,196	15.4%	15,009	44.90%	13,204	40.2%	47.8%	12.0%	4,898	1,151,667	36.92%	63.08%
Jul 2023	268,902	34.7%	12,805	47.37%	10,742	42.7%	43.5%	13.8%	4,119	1,058,122	46.07%	53.93%
Jun 2023	291,069	5.2%	13,230	48.11%	10,256	45.0%	40.9%	14.1%	3,495	988,520	38.70%	61.30%
May 2023	308,877	-6.9%	14,040	51.47%	10,767	40.5%	44.5%	15.0%	4,311	1,232,933	45.12%	54.88%
Apr 2023	209,953	-39.4%	11,664	49.69%	9,881	43.1%	40.7%	16.2%	3,191	1,162,450	45.75%	54.25%
Mar 2023	301,991	-34.0%	13,130	63.78%	14,195	40.3%	48.6%	11.1%	4,111	1,108,340	45.72%	54.28%
Feb 2023	195,157	-29.8%	9,758	54.51%	10,719	42.9%	46.8%	10.3%	2,700	1,193,911	46.90%	53.10%
Jan 2023	461,996	38.5%	21,000	47.62%	13,509	43.6%	43.6%	12.8%	5,346	1,186,967	49.32%	50.68%
Dec 2022	300,032	42.8%	14,287	57.77%	10,109	31.5%	48.8%	19.7%	3,007	1,005,365	41.63%	58.37%

Most Active Products (Traded Contracts)		
Swatch Group	UHR	66,902
Compagnie Financière Richemont	CFR	65,214
TUI AG [european]	TUIE	50,000
Adidas	ADS	26,762
Philips	PHI1	26,472
Porsche AG pref.	PAG	18,610
Hugo Boss	BOSS	15,773
LVMH	MOH	10,135
Puma	PUM	8,040
L Oréal	LOR	6,614

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	3,731,245	-0.5%	14,632	48.44%	139,760	42.2%	43.7%	14.0%	50,108	945,895	42.02%	57.98%
2022	3,751,760	7.5%	14,598	56.20%	130,359	42.2%	44.0%	13.8%	38,195	1,005,596	37.11%	62.89%
2021	3,491,139	-25.4%	13,637	49.51%	122,396	47.7%	40.5%	11.8%	37,223	847,797	51.30%	48.70%
2020	4,679,611	-19.1%	18,351	41.30%	140,307	40.3%	44.7%	15.0%	39,324	814,374	39.01%	60.99%
2019	5,783,275	34.4%	22,859	45.24%	182,447	37.3%	48.8%	14.0%	49,936	1,053,371	38.67%	61.33%

## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Real Estate Components

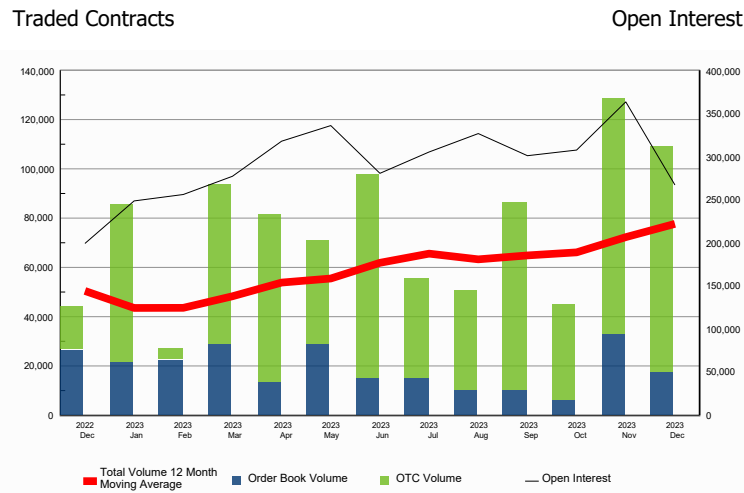
Number of Products	10
Number of Series	6,368
Launched Products per Month	0

### Volume Development Trend

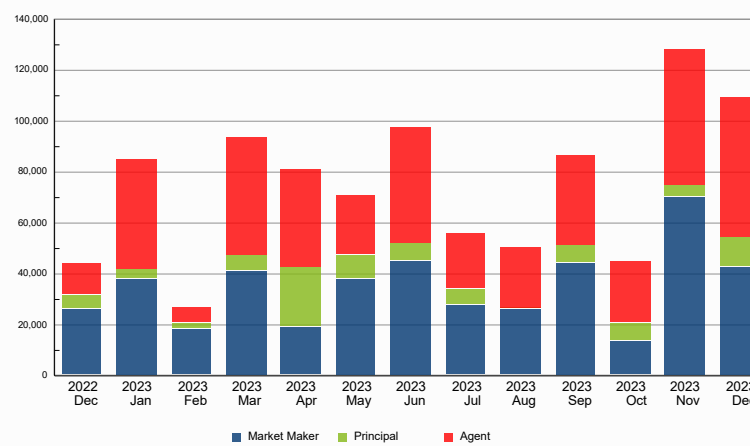
MoM Change ← YTM/YTM prev. Year ↑

↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

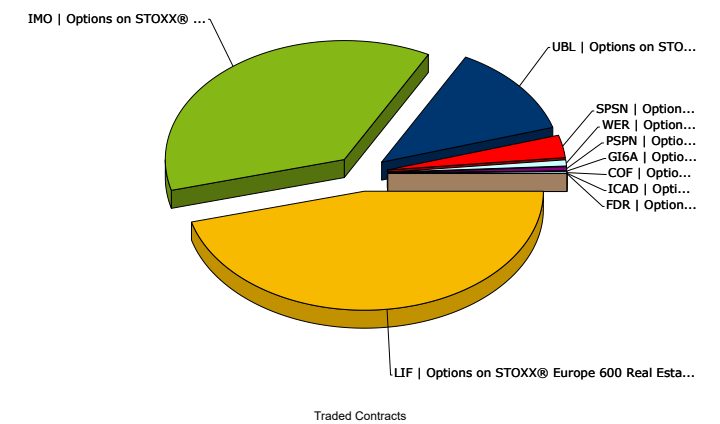
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	109,094	145.3%	5,742	15.71%	1,198	50.4%	38.8%	10.8%	337	267,023	66.08%	33.92%
Nov 2023	128,462	136.4%	5,839	25.87%	1,355	41.9%	54.7%	3.4%	337	363,416	60.04%	39.96%
Oct 2023	44,874	49.7%	2,040	12.87%	802	53.1%	29.5%	17.4%	134	307,507	35.84%	64.16%
Sep 2023	86,864	28.2%	4,136	11.37%	935	40.9%	50.8%	8.3%	232	300,957	55.55%	44.45%
Aug 2023	50,401	-35.5%	2,191	19.45%	1,107	47.3%	51.4%	1.3%	154	326,624	40.89%	59.11%
Jul 2023	55,664	406.7%	2,651	26.76%	1,465	38.4%	49.8%	11.8%	212	305,263	48.59%	51.41%
Jun 2023	97,875	358.5%	4,449	15.50%	1,655	46.5%	46.3%	7.2%	258	280,515	61.20%	38.80%
May 2023	70,940	38.6%	3,225	40.94%	2,513	33.4%	53.8%	12.8%	207	335,910	56.90%	43.10%
Apr 2023	81,492	451.4%	4,527	16.13%	1,249	47.5%	23.9%	28.6%	222	317,769	74.21%	25.79%
Mar 2023	93,617	151.1%	4,070	31.23%	2,016	49.5%	44.1%	6.4%	266	277,075	51.83%	48.17%
Feb 2023	27,181	2.2%	1,359	81.97%	1,776	24.1%	68.7%	7.2%	114	255,951	24.05%	75.95%
Jan 2023	85,502	-49.2%	3,886	25.31%	1,628	51.3%	44.2%	4.5%	261	248,499	54.71%	45.29%
Dec 2022	44,466	-24.7%	2,117	59.30%	1,824	28.3%	58.9%	12.8%	145	199,193	54.45%	45.55%

### Most Active Products (Traded Contracts)

KLEPIERRE	LIF	50,136
IMMOFINANZ	IMO	40,086
Unibail-RODAMCO-Westfield	UBL	13,694
Swiss Prime Site	SPSN	3,373
Wereldhave	WER	1,009
PSP Swiss Property	PSPN	346
Gecina	GI6A	287
Cofinimmo	COF	91
Icade	ICAD	56
Covivio	FDR	16

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	931,966	54.0%	3,655	23.74%	17,699	44.9%	45.5%	9.6%	2,734	267,150	56.20%	43.80%
2022	605,275	-2.7%	2,355	38.88%	19,170	44.1%	49.9%	6.0%	2,004	199,727	65.63%	34.37%
2021	622,102	-14.9%	2,430	35.58%	21,204	51.3%	37.7%	11.0%	2,182	178,698	66.05%	33.95%
2020	730,880	136.2%	2,866	47.23%	27,183	49.9%	41.2%	9.0%	3,283	143,272	45.96%	54.04%
2019	309,489	-13.4%	1,223	78.67%	18,916	34.3%	58.5%	7.2%	2,208	55,257	35.54%	64.46%

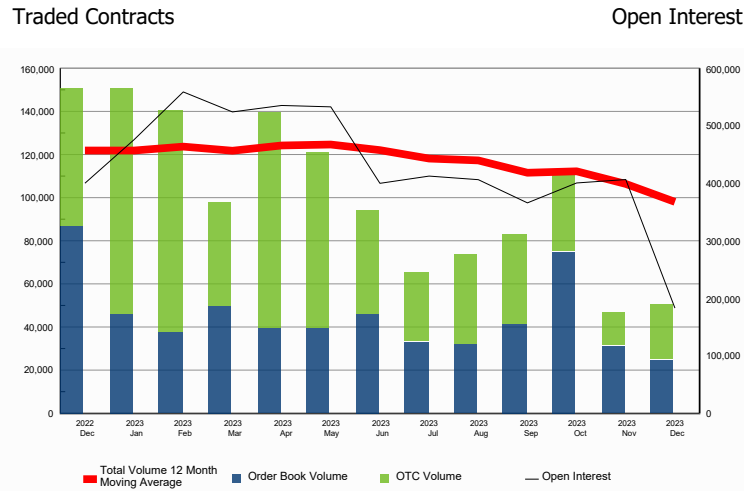
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Retail Components

Number of Products 13  
 Number of Series 8,676  
 Launched Products per Month 0

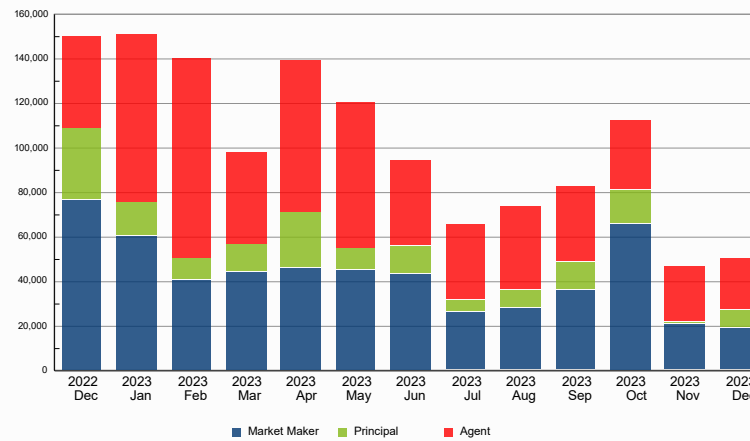
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

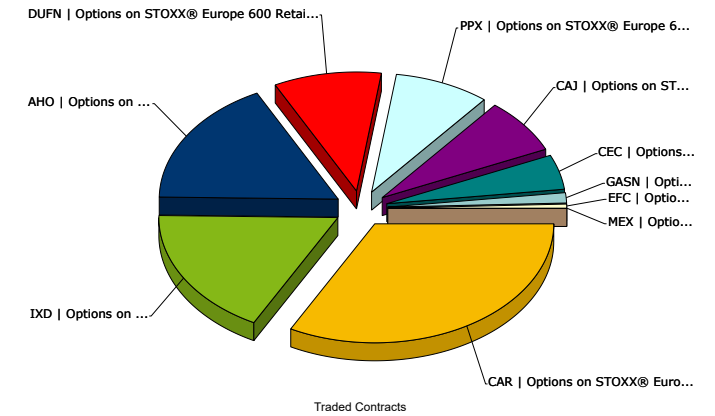
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	50,535	-66.4%	2,660	48.01%	1,614	46.1%	38.4%	15.4%	280	182,869	48.89%	51.11%
Nov 2023	46,784	-60.0%	2,127	66.30%	2,041	53.2%	44.3%	2.5%	363	406,457	44.90%	55.10%
Oct 2023	112,602	7.6%	5,118	66.63%	1,723	27.9%	58.4%	13.7%	720	400,522	14.47%	85.53%
Sep 2023	82,711	-45.3%	3,939	50.17%	1,733	40.5%	43.6%	15.9%	689	365,906	47.93%	52.07%
Aug 2023	74,056	-12.2%	3,220	43.13%	1,401	51.5%	38.6%	9.9%	385	406,278	61.23%	38.77%
Jul 2023	65,578	-41.7%	3,123	50.05%	1,634	51.6%	40.3%	8.1%	461	412,511	51.33%	48.67%
Jun 2023	94,442	-24.8%	4,293	48.24%	1,780	41.1%	45.8%	13.1%	493	399,892	44.19%	55.81%
May 2023	120,986	4.6%	5,499	32.70%	1,676	54.4%	37.5%	8.1%	674	532,939	58.48%	41.52%
Apr 2023	139,221	26.7%	7,735	28.34%	1,316	48.9%	33.2%	17.9%	650	535,335	72.32%	27.68%
Mar 2023	97,830	-19.1%	4,253	50.47%	2,174	41.9%	45.0%	13.0%	594	524,079	50.88%	49.12%
Feb 2023	140,549	18.3%	7,027	26.87%	1,686	63.9%	29.1%	7.0%	537	558,904	57.74%	42.26%
Jan 2023	151,161	-0.1%	6,871	30.23%	1,993	49.7%	40.2%	10.1%	640	475,867	57.29%	42.71%
Dec 2022	150,397	-37.3%	7,162	57.78%	3,536	27.8%	50.7%	21.6%	559	400,060	44.75%	55.25%

Most Active Products (Traded Contracts)		
Carrefour	CAR	16,581
Inditex	IXD	8,804
Ahold	AHO	8,735
Dufry AG	DUFN	4,864
PPR	PPX	4,362
Casino Guichard	CAJ	3,787
Ceconomy AG	CEC	2,380
Galenica AG Namens-Aktien SF	GASN	769
Colruyt Group	EFC	207
Medmix AG	MEX	46

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	1,176,455	-19.6%	4,614	41.99%	20,771	47.9%	40.6%	11.5%	6,486	182,880	51.97%	48.03%
2022	1,462,441	-44.8%	5,690	51.04%	33,411	39.5%	43.2%	17.3%	6,107	480,245	46.53%	53.47%
2021	2,649,855	58.0%	10,351	53.65%	44,765	36.7%	49.2%	14.1%	8,139	728,398	40.06%	59.94%
2020	1,677,214	-37.4%	6,577	54.68%	39,219	32.9%	55.5%	11.6%	6,342	606,894	35.91%	64.09%
2019	2,677,390	-22.7%	10,583	49.10%	52,419	33.0%	50.0%	16.9%	9,811	803,727	42.62%	57.38%

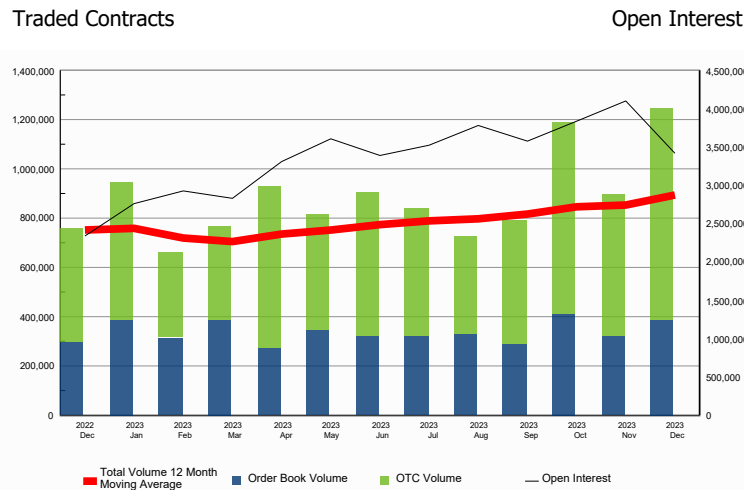
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Technology Components

Number of Products 48  
 Number of Series 32,028  
 Launched Products per Month 0

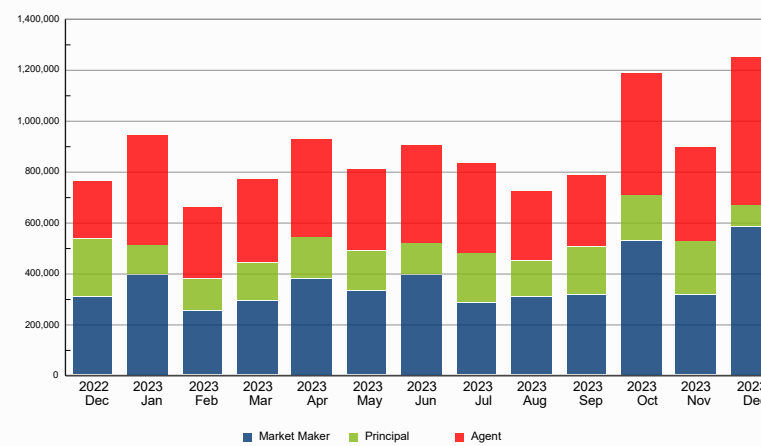
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

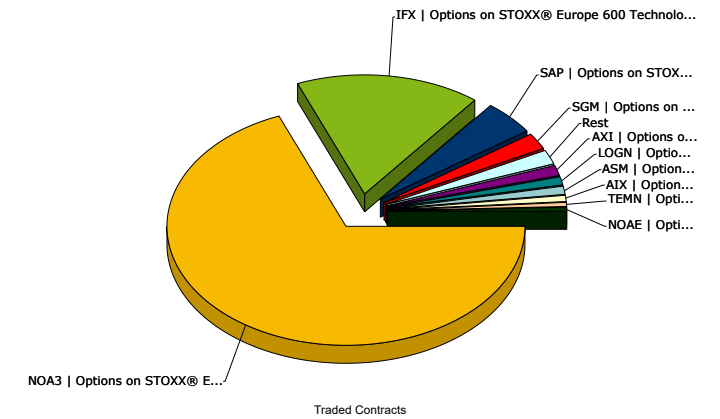
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,248,925	63.9%	65,733	30.91%	11,278	46.5%	46.6%	6.8%	3,190	3,417,129	71.73%	28.27%
Nov 2023	900,202	10.7%	40,918	36.03%	12,326	40.9%	35.5%	23.7%	4,539	4,100,083	40.23%	59.77%
Oct 2023	1,186,690	42.3%	53,940	34.37%	10,668	40.0%	44.8%	15.2%	3,671	3,836,142	28.33%	71.67%
Sep 2023	790,259	41.3%	37,631	36.58%	10,848	36.1%	39.7%	24.3%	4,497	3,575,902	37.19%	62.81%
Aug 2023	725,167	16.1%	31,529	45.26%	12,607	37.5%	42.8%	19.7%	3,760	3,780,150	38.34%	61.66%
Jul 2023	837,917	27.8%	39,901	38.63%	12,127	42.3%	34.3%	23.4%	4,314	3,522,696	32.70%	67.30%
Jun 2023	906,640	41.1%	41,211	35.58%	11,047	42.9%	43.4%	13.7%	3,777	3,388,833	49.78%	50.22%
May 2023	813,855	31.7%	36,993	42.23%	12,277	40.3%	41.2%	18.5%	4,038	3,606,127	40.81%	59.19%
Apr 2023	933,423	64.6%	51,857	29.25%	9,702	41.9%	40.9%	17.2%	2,924	3,308,756	32.78%	67.22%
Mar 2023	770,730	-18.3%	33,510	50.28%	13,787	43.0%	38.5%	18.5%	3,966	2,829,392	40.26%	59.74%
Feb 2023	663,555	-41.5%	33,178	46.54%	13,168	42.8%	38.7%	18.5%	3,582	2,926,510	45.36%	54.64%
Jan 2023	947,071	9.1%	43,049	40.69%	15,522	45.5%	41.4%	13.1%	3,941	2,760,741	41.72%	58.28%
Dec 2022	762,120	8.1%	36,291	39.30%	12,066	29.4%	40.9%	29.6%	2,899	2,338,571	45.49%	54.51%

Most Active Products (Traded Contracts)		
Nokia	NOA3	860,745
Infineon	IFX	206,377
SAP	SAP	59,983
STMicroelectronics	SGM	29,009
AtoS	AXI	16,813
Logitech	LOGN	16,750
ASML Holding	ASM	12,238
Aixtron	AIX	9,345
TEMENOS AG	TEMN	9,098
Nokia	NOAE	5,798

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	10,724,434	18.9%	42,057	38.05%	145,357	41.9%	41.0%	17.1%	46,200	3,428,911	42.29%	57.71%
2022	9,021,954	-34.9%	35,105	46.79%	175,569	39.4%	42.8%	17.7%	42,202	2,339,128	42.83%	57.17%
2021	13,858,578	6.0%	54,135	49.92%	189,519	37.0%	47.5%	15.5%	49,444	3,298,581	59.84%	40.16%
2020	13,075,760	-5.9%	51,277	47.24%	192,258	35.3%	48.0%	16.7%	44,444	2,976,591	57.52%	42.48%
2019	13,899,983	3.2%	54,941	49.23%	175,335	35.2%	52.3%	12.5%	44,301	3,285,042	44.80%	55.20%

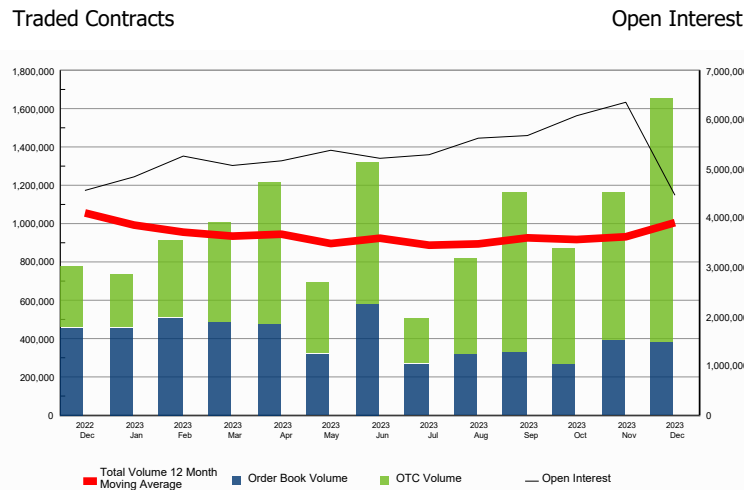
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Telecommunications Components

Number of Products 23  
 Number of Series 11,527  
 Launched Products per Month 0

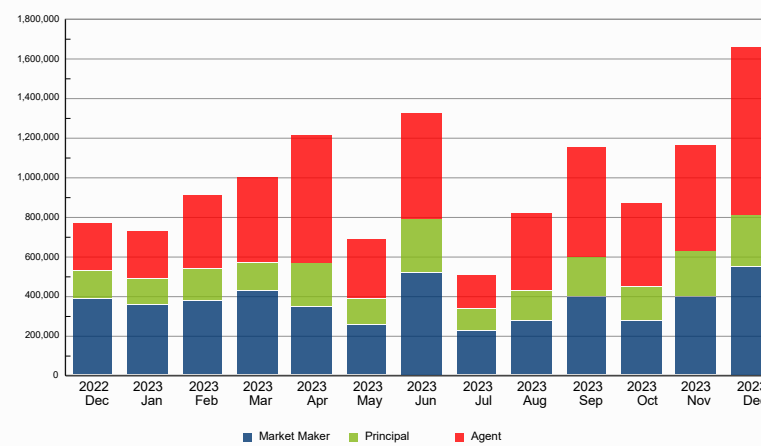
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

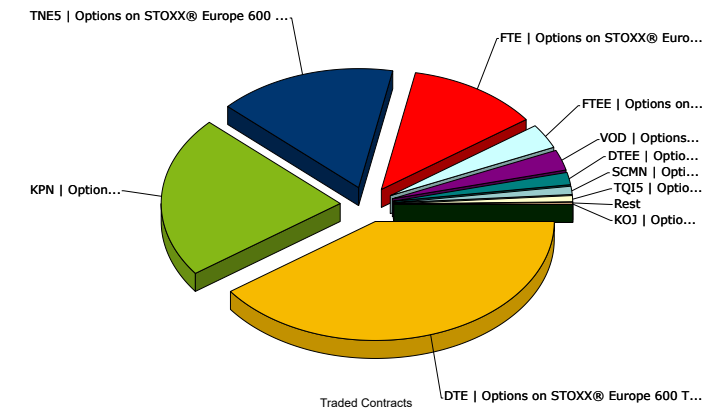
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,659,953	114.3%	87,366	22.85%	4,701	51.2%	33.1%	15.7%	2,176	4,464,474	54.45%	45.55%
Nov 2023	1,163,257	17.4%	52,875	33.97%	4,590	46.2%	34.0%	19.8%	2,051	6,350,931	56.64%	43.36%
Oct 2023	872,276	-10.8%	39,649	30.92%	3,510	48.5%	31.5%	20.0%	1,329	6,077,537	45.05%	54.95%
Sep 2023	1,158,970	48.8%	55,189	28.09%	4,090	48.5%	34.6%	16.9%	1,792	5,675,464	49.03%	50.97%
Aug 2023	818,906	10.9%	35,605	38.94%	5,001	48.2%	34.0%	17.8%	1,551	5,622,159	41.14%	58.86%
Jul 2023	507,871	-46.3%	24,184	51.51%	3,499	32.7%	44.9%	22.4%	846	5,287,187	56.09%	43.91%
Jun 2023	1,323,515	33.9%	60,160	43.77%	9,790	40.2%	39.1%	20.7%	2,056	5,213,408	41.43%	58.57%
May 2023	693,565	-45.7%	31,526	46.62%	4,185	44.4%	36.3%	19.3%	1,161	5,376,876	45.11%	54.89%
Apr 2023	1,215,514	10.9%	67,529	38.90%	7,707	53.1%	28.4%	18.6%	2,342	5,163,253	47.60%	52.40%
Mar 2023	1,003,768	-19.8%	43,642	48.75%	8,350	42.8%	42.5%	14.7%	2,003	5,068,470	46.84%	53.16%
Feb 2023	910,174	-32.8%	45,509	55.67%	7,325	41.2%	41.5%	17.2%	1,638	5,258,933	44.42%	55.58%
Jan 2023	732,636	-50.9%	33,302	61.33%	6,322	33.1%	49.2%	17.7%	1,180	4,837,927	51.60%	48.40%
Dec 2022	774,757	-54.1%	36,893	58.60%	8,302	31.2%	50.5%	18.3%	1,164	4,561,750	38.71%	61.29%

### Most Active Products (Traded Contracts)

Deutsche Telekom	DTE	663,840
KPN	KPN	364,028
Telefonica	TNE5	265,897
Orange	FTE	201,331
Orange	FTEE	54,228
VODAFONE GROUP	VOD	47,102
Deutsche Telekom	DTEE	27,116
Swisscom	SCMN	19,992
Telecom Italia (ITA exec. type)	TQI5	12,273
Kojamo OYJ	KOJ	2,030

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	12,060,405	-4.8%	47,296	39.56%	69,070	45.3%	36.5%	18.2%	20,125	4,465,040	48.41%	51.59%
2022	12,667,373	-18.5%	49,289	43.33%	103,618	43.9%	38.9%	17.2%	21,397	4,561,904	44.80%	55.20%
2021	15,535,687	23.0%	60,686	39.67%	89,922	50.6%	33.6%	15.8%	23,418	4,728,543	52.50%	47.50%
2020	12,629,602	9.1%	49,528	38.92%	91,159	40.8%	37.2%	22.0%	18,938	3,720,830	48.28%	51.72%
2019	11,579,538	-7.9%	45,769	41.35%	85,536	36.8%	42.9%	20.3%	16,693	3,613,772	43.96%	56.04%

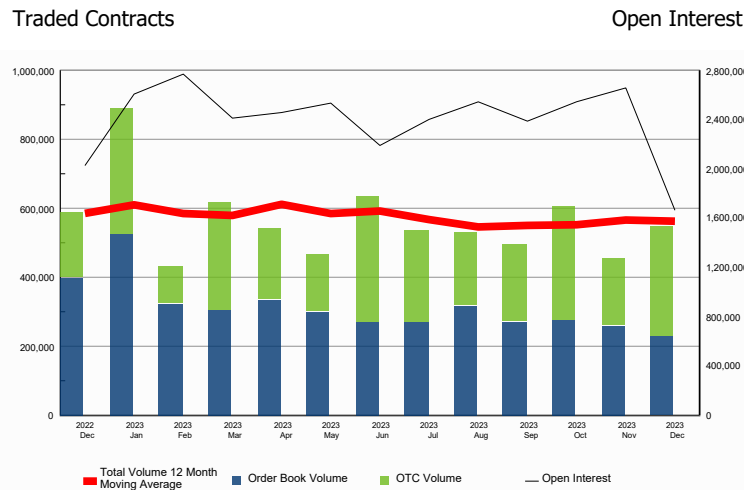
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Travel & Leisure Components

Number of Products 10  
 Number of Series 7,039  
 Launched Products per Month 0

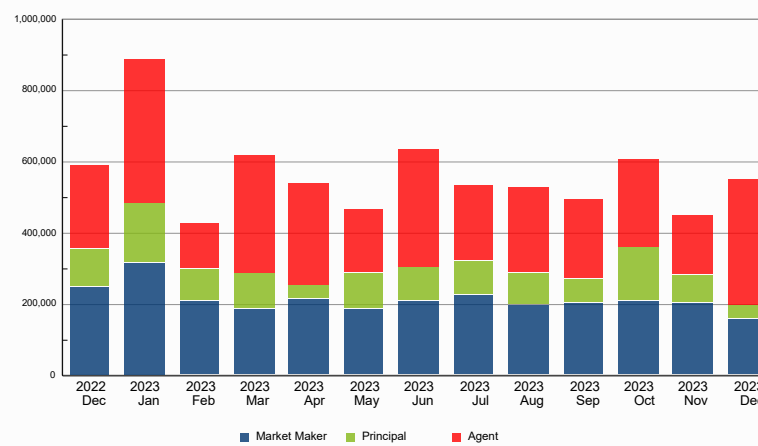
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ←  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

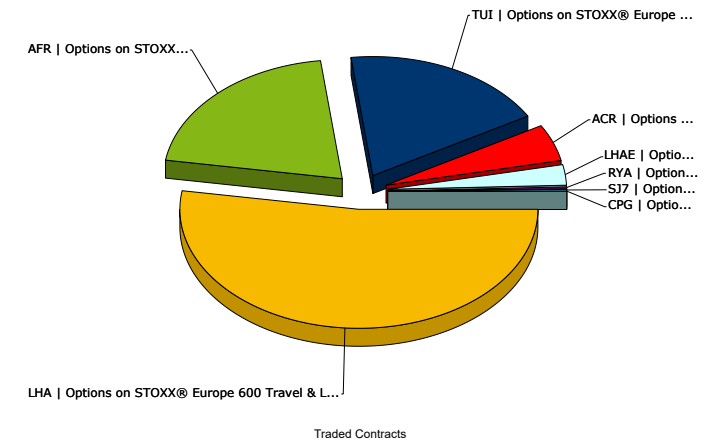
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	549,131	-6.8%	28,902	41.74%	3,382	63.6%	28.7%	7.7%	508	1,663,834	43.83%	56.17%
Nov 2023	453,133	56.8%	20,597	57.11%	3,847	38.0%	45.2%	16.8%	325	2,656,944	41.95%	58.05%
Oct 2023	606,136	3.9%	27,552	45.48%	3,615	40.8%	34.5%	24.7%	454	2,544,620	23.10%	76.90%
Sep 2023	493,282	12.1%	23,490	54.41%	4,483	45.4%	40.9%	13.7%	428	2,387,133	41.51%	58.49%
Aug 2023	530,958	-32.5%	23,085	59.24%	4,586	45.4%	37.9%	16.8%	418	2,543,946	30.38%	69.62%
Jul 2023	535,564	-35.7%	25,503	50.65%	3,525	40.0%	42.3%	17.7%	325	2,401,369	42.36%	57.64%
Jun 2023	634,022	16.1%	28,819	42.34%	3,577	51.6%	32.6%	15.8%	462	2,189,877	32.01%	67.99%
May 2023	465,162	-40.9%	21,144	64.48%	4,469	38.6%	40.4%	21.0%	341	2,533,631	44.89%	55.11%
Apr 2023	543,098	247.8%	30,172	61.39%	8,113	52.8%	39.6%	7.5%	396	2,457,224	59.64%	40.36%
Mar 2023	619,122	-9.7%	26,918	48.84%	4,876	53.6%	29.8%	16.5%	404	2,411,479	26.98%	73.02%
Feb 2023	430,740	-41.3%	21,537	75.09%	3,141	30.7%	48.5%	20.8%	206	2,768,955	33.28%	66.72%
Jan 2023	889,933	50.2%	40,452	59.29%	4,618	45.7%	35.3%	18.9%	477	2,606,912	44.19%	55.81%
Dec 2022	589,137	-8.4%	28,054	67.17%	7,082	39.4%	41.9%	18.6%	394	2,026,656	42.49%	57.51%

Most Active Products (Traded Contracts)		
Lufthansa	LHA	288,251
Air France KLM	AFR	112,602
TUI	TUI	102,179
Accor	ACR	28,092
Deutsche Lufthansa AG	LHAE	14,287
Ryanair	RYA	2,266
Sodexo	SJ7	927
COMPASS GROUP	CPG	527

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	6,750,281	-3.9%	26,472	54.41%	52,232	46.1%	37.3%	16.6%	4,745	1,663,834	38.56%	61.44%
2022	7,021,966	5.6%	27,323	51.61%	60,601	49.6%	35.4%	15.0%	4,039	2,026,820	43.39%	56.61%
2021	6,648,627	32.0%	25,971	54.48%	65,318	47.3%	38.8%	13.9%	5,543	2,821,388	47.66%	52.34%
2020	5,035,157	37.8%	19,746	56.64%	98,553	38.2%	41.1%	20.7%	5,254	1,344,145	40.43%	59.57%
2019	3,653,458	2.0%	14,441	54.71%	61,299	34.1%	50.2%	15.7%	5,955	1,119,244	37.86%	62.14%

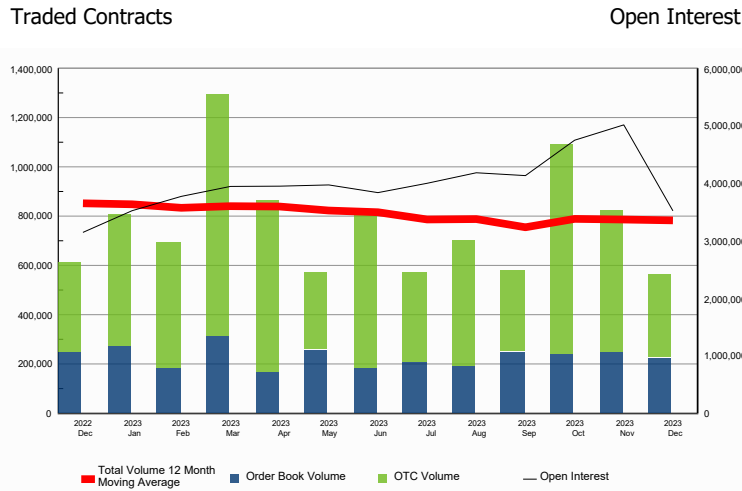
## Equity Derivatives :: Equity Options :: Options on STOXX® Europe 600 Utilities Components

Number of Products 21  
 Number of Series 14,158  
 Launched Products per Month 0

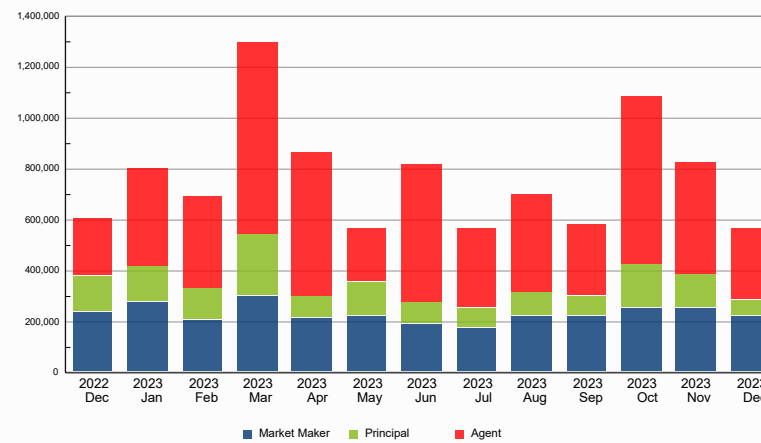
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

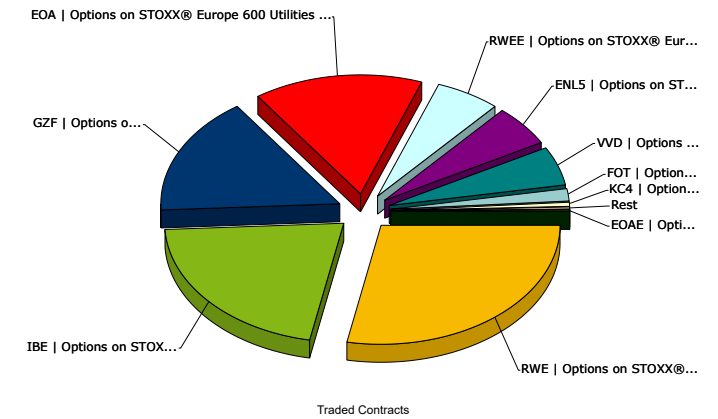
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	568,469	-6.7%	29,919	39.13%	4,690	49.8%	38.9%	11.3%	1,375	3,520,147	61.85%	38.15%
Nov 2023	827,032	-3.6%	37,592	29.60%	5,207	53.1%	30.7%	16.3%	1,940	5,015,795	51.20%	48.80%
Oct 2023	1,088,796	59.9%	49,491	22.01%	6,220	61.0%	23.5%	15.5%	2,030	4,749,029	32.95%	67.05%
Sep 2023	583,376	-40.6%	27,780	42.12%	5,437	48.7%	38.7%	12.6%	1,308	4,133,430	36.54%	63.46%
Aug 2023	701,993	2.8%	30,521	27.78%	5,730	55.1%	31.9%	13.1%	1,409	4,182,757	29.67%	70.33%
Jul 2023	571,588	-38.1%	27,218	36.47%	5,016	55.5%	30.3%	14.2%	1,136	3,999,770	33.11%	66.89%
Jun 2023	819,608	-9.2%	37,255	22.54%	6,475	66.1%	23.3%	10.6%	1,381	3,837,395	27.60%	72.40%
May 2023	569,008	-25.6%	25,864	45.45%	7,039	37.4%	38.6%	24.0%	1,128	3,971,087	40.28%	59.72%
Apr 2023	864,672	-1.9%	48,037	18.85%	4,083	65.3%	24.5%	10.2%	1,379	3,949,492	47.71%	52.29%
Mar 2023	1,295,219	6.6%	56,314	24.27%	8,715	57.8%	23.4%	18.7%	2,215	3,945,099	48.47%	51.53%
Feb 2023	697,200	-19.8%	34,860	26.36%	5,716	52.8%	30.0%	17.2%	1,450	3,771,959	35.87%	64.13%
Jan 2023	805,902	-5.5%	36,632	33.95%	8,793	47.7%	34.7%	17.5%	1,753	3,523,071	44.73%	55.27%
Dec 2022	609,330	-35.5%	29,016	40.86%	9,588	38.0%	38.9%	23.1%	978	3,145,289	55.32%	44.68%

Most Active Products (Traded Contracts)		
RWE	RWE	159,550
Iberdrola	IBE	119,527
GDF Suez	GZF	92,057
E.ON SE	EOA	87,018
RWE	RWEE	32,304
Enel (ITA exec. type)	ENL5	31,590
Veolia Environnement	VVD	30,142
Fortum Corporation	FOT	9,381
KONE	KC4	3,221
E.ON	EOAE	1,100

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	9,392,863	-8.1%	36,835	29.11%	73,121	55.3%	29.5%	15.2%	18,505	3,525,566	41.00%	59.00%
2022	10,223,673	-38.2%	39,781	34.69%	110,741	51.3%	32.9%	15.8%	17,868	3,180,610	45.51%	54.49%
2021	16,555,563	45.0%	64,670	24.77%	114,782	62.9%	23.0%	14.2%	26,537	3,741,203	54.38%	45.62%
2020	11,417,330	18.8%	44,774	29.81%	112,992	49.7%	27.1%	23.2%	19,990	3,201,206	54.90%	45.10%
2019	9,611,658	-30.9%	37,991	37.09%	98,416	41.6%	39.4%	19.0%	13,942	3,446,884	42.12%	57.88%



Equity Derivatives :: Equity Options :: Options on S&P 500 Components

### Volume Development Trend

MoM Change

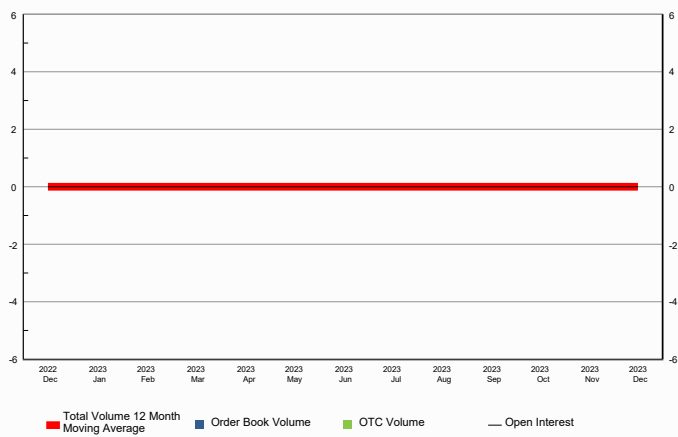
YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

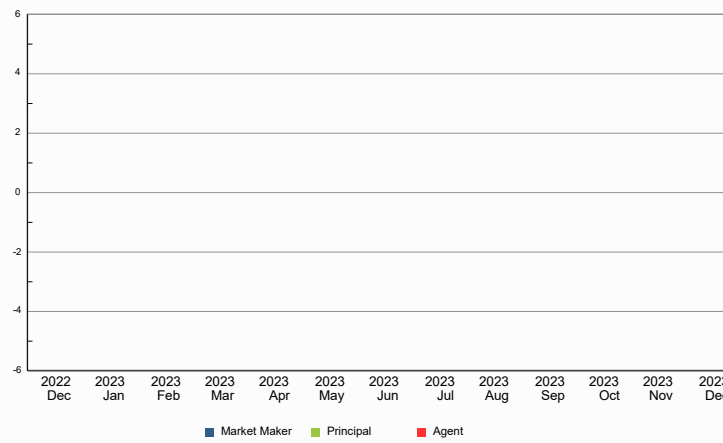
### Traded Contracts & Open Interest

Traded Contracts

Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts



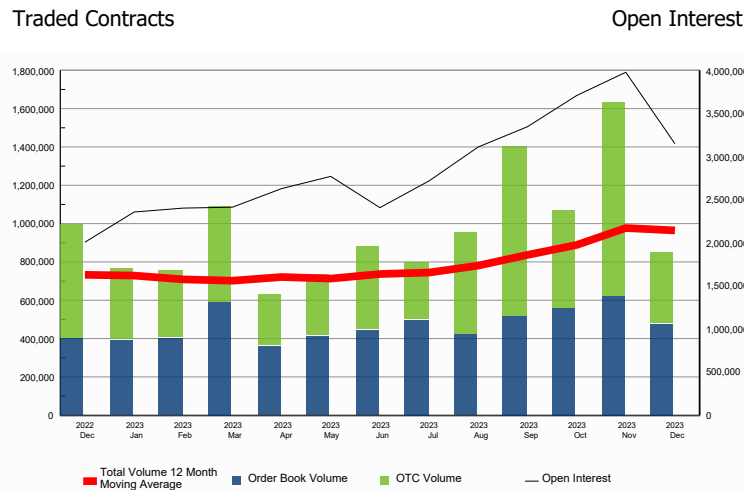
## Equity Derivatives :: Equity Options :: Options on Other Stocks

Number of Products	137
Number of Series	84,381
Launched Products per Month	0

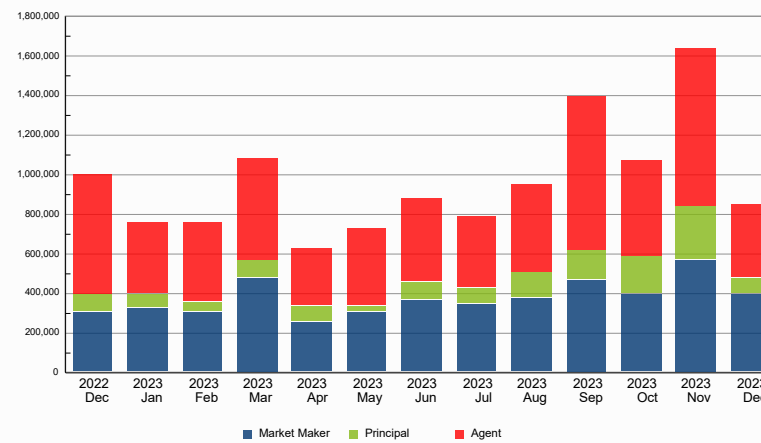
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

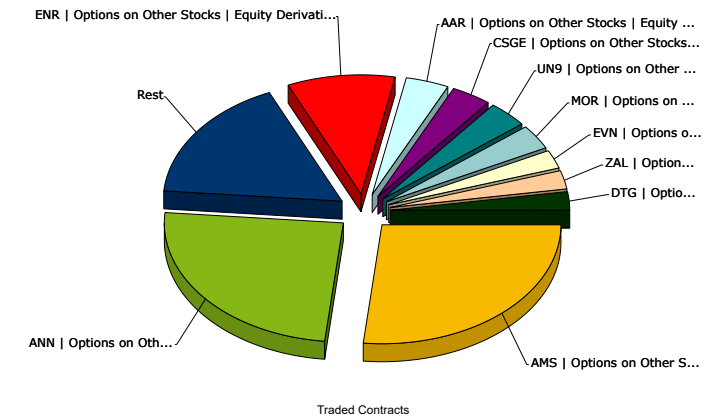
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	850,663	-15.0%	44,772	56.45%	15,581	43.6%	46.3%	10.0%	1,616	3,148,197	50.46%	49.54%
Nov 2023	1,637,842	184.1%	74,447	38.23%	19,742	48.7%	34.5%	16.8%	3,022	3,977,138	46.05%	53.95%
Oct 2023	1,071,415	138.4%	48,701	51.83%	20,919	44.5%	37.5%	17.9%	1,934	3,706,846	28.35%	71.65%
Sep 2023	1,400,410	91.4%	66,686	37.07%	19,028	55.7%	33.4%	10.9%	2,394	3,345,263	44.52%	55.48%
Aug 2023	952,390	84.3%	41,408	43.97%	19,848	46.5%	39.4%	14.1%	1,894	3,111,339	35.54%	64.46%
Jul 2023	795,571	13.2%	37,884	62.04%	19,883	45.8%	44.2%	9.9%	1,594	2,717,754	36.23%	63.77%
Jun 2023	882,937	48.0%	40,134	49.73%	19,813	48.3%	41.8%	9.9%	1,735	2,407,013	29.08%	70.92%
May 2023	734,514	-11.9%	33,387	55.54%	18,802	53.9%	41.3%	4.9%	1,286	2,769,572	38.60%	61.40%
Apr 2023	634,779	56.9%	35,266	56.25%	15,113	47.7%	41.0%	11.3%	1,384	2,628,115	44.57%	55.43%
Mar 2023	1,087,027	-7.1%	47,262	54.59%	25,067	47.2%	43.7%	9.1%	2,338	2,412,484	36.70%	63.30%
Feb 2023	761,050	-23.9%	38,053	52.21%	16,764	53.4%	40.3%	6.3%	1,322	2,401,843	48.97%	51.03%
Jan 2023	764,000	-5.5%	34,727	51.94%	19,728	47.6%	43.3%	9.1%	1,699	2,356,225	48.12%	51.88%
Dec 2022	1,000,864	20.5%	47,660	40.13%	16,135	60.1%	30.7%	9.2%	1,553	2,006,541	52.65%	47.35%

### Most Active Products (Traded Contracts)

ams AG Inhaber-Aktien o.N.	AMS	226,503
Dt. Annington Immobilien SE	ANN	210,076
Siemens Energy	ENR	82,608
ABN AMRO Bank	AAR	31,978
UBS GROUP AG	CSGE	31,951
UNIQA Insurance Group AG	UN9	30,342
MorphoSys AG	MOR	27,566
EVN AG	EVN	23,005
Zalando SE Inhaber-Aktien o.N.	ZAL	21,130
Daimler Truck Holding AG	DTG	20,650

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	11,572,598	31.7%	45,383	49.12%	230,288	48.7%	39.8%	11.5%	22,218	3,334,987	40.61%	59.39%
2022	8,789,921	5.4%	34,202	55.19%	220,577	52.5%	38.2%	9.4%	19,662	2,009,451	45.45%	54.55%
2021	8,342,590	71.4%	32,588	46.82%	194,448	50.1%	39.1%	10.9%	24,256	1,884,255	47.40%	52.60%
2020	4,867,395	0.1%	19,088	58.21%	171,502	44.2%	42.0%	13.9%	14,904	1,049,860	50.84%	49.16%
2019	4,864,242	17.3%	19,226	59.33%	153,596	46.6%	42.8%	10.5%	14,612	1,045,205	43.76%	56.24%

## Equity Index Derivatives

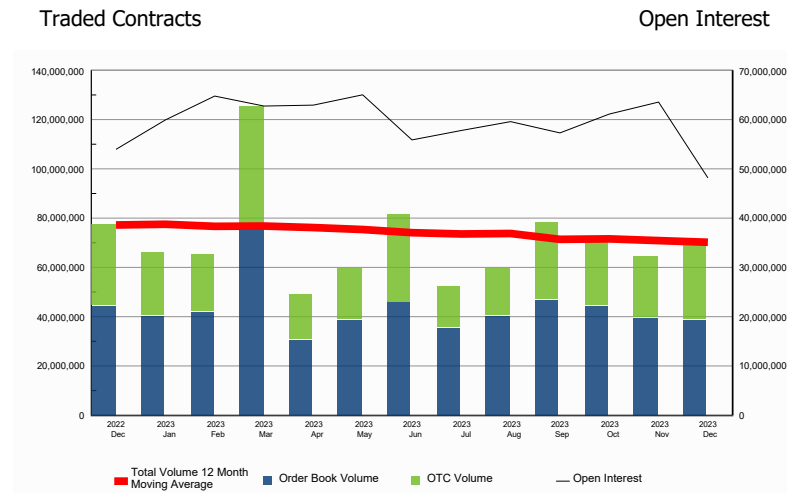
Number of Products	388
Number of Series	90,127
Launched Products per Month	0

## Volume Development Trend

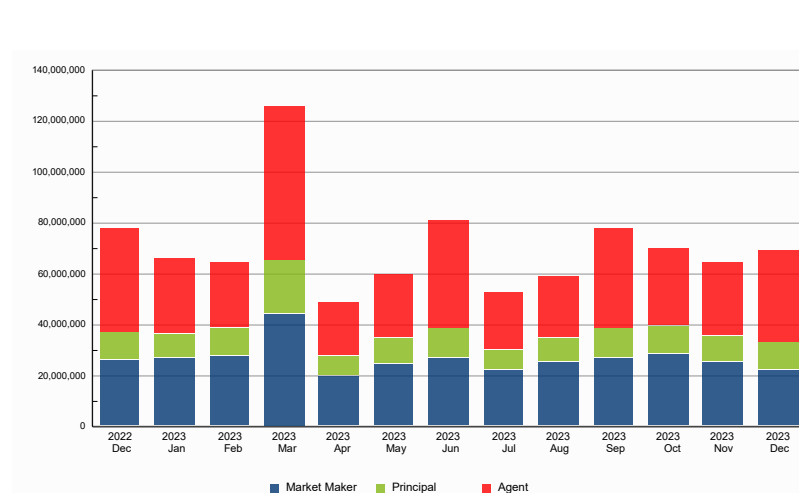
YoY Change ← YTM/YTM prev. Year ←

↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

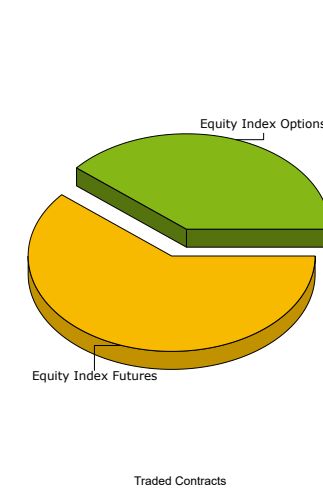
## Traded Contracts & Open Interest



## Traded Contracts by Account Type



## Traded Contracts by Product Type



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Options	Futures
Dec 2023	69,578,211	-10.5%	3,662,011	55.11%	5,299,051	52.5%	31.9%	15.6%	3,328,712	48,162,408	38.78%	61.22%
Nov 2023	64,501,252	-11.5%	2,931,875	61.15%	6,565,078	45.0%	39.6%	15.4%	2,979,358	63,551,790	56.65%	43.35%
Oct 2023	70,522,813	3.4%	3,205,582	63.18%	7,643,616	43.7%	40.0%	16.2%	3,248,253	61,112,759	55.16%	44.84%
Sep 2023	78,382,529	-26.7%	3,732,501	59.22%	6,620,675	50.2%	34.2%	15.6%	3,614,292	57,293,874	38.01%	61.99%
Aug 2023	59,365,075	4.1%	2,581,090	67.97%	6,658,129	41.4%	43.2%	15.5%	2,884,829	59,581,018	50.59%	49.41%
Jul 2023	52,570,457	-10.7%	2,503,355	67.45%	5,456,929	42.5%	42.4%	15.1%	2,580,723	57,784,973	51.72%	48.28%
Jun 2023	81,508,168	-15.9%	3,704,917	56.80%	6,187,911	52.2%	33.2%	14.6%	3,675,393	55,872,511	37.57%	62.43%
May 2023	59,897,790	-13.7%	2,722,627	64.41%	6,018,197	42.2%	41.4%	16.4%	2,743,271	65,026,884	51.13%	48.87%
Apr 2023	49,047,908	-13.0%	2,724,884	62.68%	4,823,016	42.7%	40.9%	16.4%	2,179,533	62,930,281	53.82%	46.18%
Mar 2023	125,739,413	1.1%	5,466,931	60.99%	11,033,963	48.2%	35.3%	16.5%	4,887,439	62,743,622	39.68%	60.32%
Feb 2023	65,047,285	-13.5%	3,252,364	64.41%	7,117,037	40.6%	42.8%	16.6%	2,998,451	64,769,204	50.67%	49.33%
Jan 2023	66,241,475	5.8%	3,010,976	60.46%	6,957,224	44.9%	40.3%	14.9%	2,855,112	59,920,245	52.89%	47.11%
Dec 2022	77,725,772	6.8%	3,701,227	57.25%	6,673,733	52.0%	33.8%	14.2%	3,216,739	53,961,356	34.48%	65.52%

## Most Active Products (Traded Contracts)

EURO STOXX 50® Index Futures	Future	FESX	21,929,606
EURO STOXX 50® Index Options	Option	OESX	19,183,298
EURO STOXX® Banks Futures	Future	FESB	5,768,164
STOXX® Europe 600 Options	Future	FXXP	2,950,074
EURO STOXX® Banks Options	Option	OESB	2,241,313
KOSPI 200	Option	OXS2	1,565,203
DAX® Futures	Future	FDAX	1,244,690
DAX® Options	Option	ODAX	1,225,444
SMI® Futures	Future	FSMI	967,035
TRF ON EUROSTOXX50	Future	TESX	897,963

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Options	Futures
2023	842,402,376	-9.1%	3,303,539	61.59%	80,380,826	46.1%	38.2%	15.8%	37,975,364	48,552,194	46.89%	53.11%
2022	926,526,748	21.3%	3,605,162	61.56%	104,256,893	46.9%	37.5%	15.6%	37,140,171	54,017,682	44.54%	55.46%
2021	763,587,671	-25.1%	2,982,764	59.60%	73,582,753	44.0%	39.8%	16.2%	32,811,209	51,332,114	46.52%	53.48%
2020	1,019,059,736	10.8%	3,996,313	64.03%	99,141,341	37.8%	42.7%	19.5%	36,971,209	53,847,270	43.31%	56.69%
2019	920,074,621	0.4%	3,636,659	61.16%	72,300,278	38.4%	41.3%	20.3%	36,421,794	53,648,340	46.91%	53.09%

## Equity Index Derivatives :: Equity Index Futures

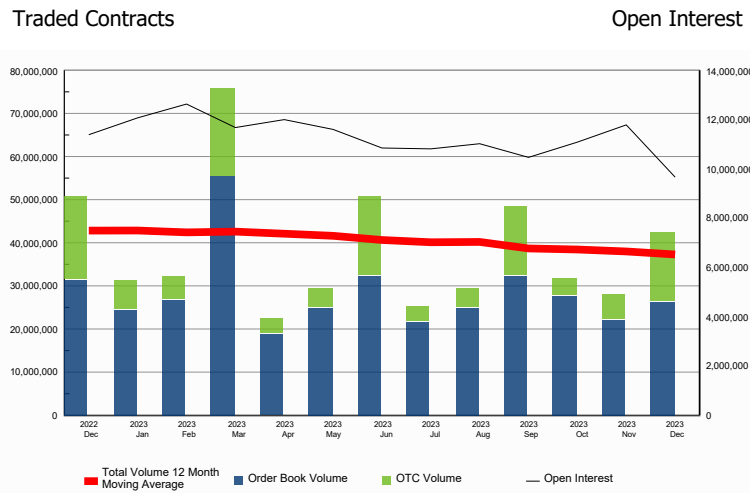
Number of Products	270
Number of Series	4,601
Launched Products per Month	0

### Volume Development Trend

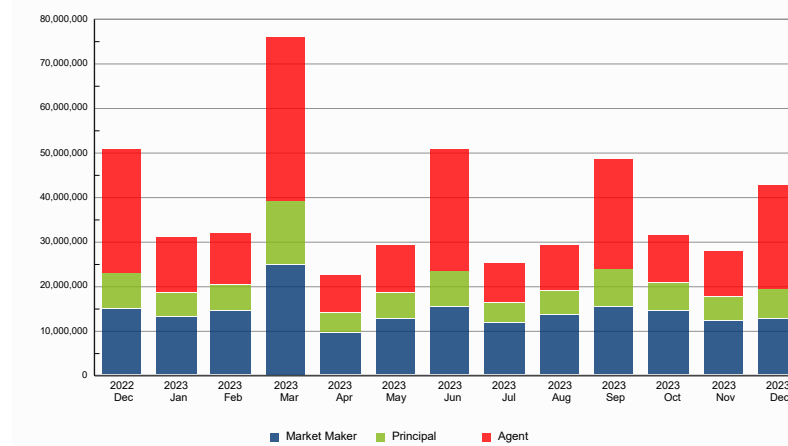
YoY Change ← YTM/YTM prev. Year ←

↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ > 25%

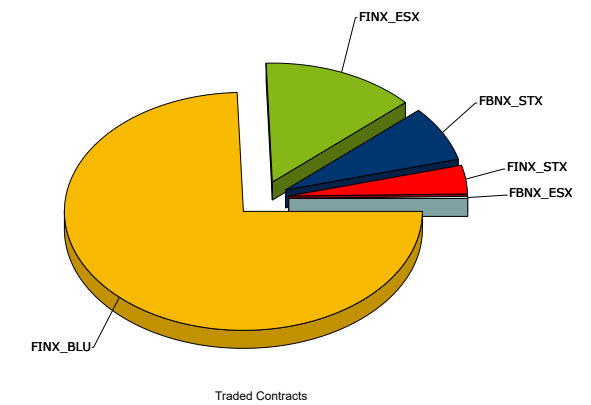
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	42,592,337	-16.4%	2,241,702	61.98%	4,023,904	54.4%	29.9%	15.6%	2,159,145	9,663,966		
Nov 2023	27,960,957	-16.3%	1,270,953	79.68%	4,690,431	37.5%	44.7%	17.8%	1,492,811	11,784,033		
Oct 2023	31,619,681	-8.5%	1,437,258	86.73%	5,924,794	34.0%	45.9%	20.1%	1,688,966	11,084,134		
Sep 2023	48,586,801	-27.2%	2,313,657	66.56%	5,401,617	51.1%	32.1%	16.7%	2,375,905	10,465,558		
Aug 2023	29,331,354	3.2%	1,275,276	83.99%	5,031,162	35.2%	46.8%	18.0%	1,597,799	11,019,985		
Jul 2023	25,379,878	-20.0%	1,208,566	84.32%	4,114,024	36.0%	45.8%	18.2%	1,420,013	10,811,524		
Jun 2023	50,882,715	-18.6%	2,312,851	63.72%	4,903,980	54.2%	30.1%	15.6%	2,434,870	10,846,324		
May 2023	29,270,180	-16.7%	1,330,463	84.33%	4,764,265	36.5%	44.0%	19.5%	1,558,257	11,600,911		
Apr 2023	22,651,522	-20.4%	1,258,418	83.19%	3,724,012	37.6%	42.9%	19.6%	1,160,517	11,998,765		
Mar 2023	75,840,897	2.7%	3,297,430	73.13%	9,242,018	48.5%	32.9%	18.6%	3,218,488	11,676,136		
Feb 2023	32,087,840	-13.7%	1,604,392	83.31%	5,597,606	36.0%	44.8%	19.2%	1,724,499	12,630,202		
Jan 2023	31,203,248	0.6%	1,418,329	77.66%	5,313,729	40.7%	42.1%	17.2%	1,549,067	12,069,849		
Dec 2022	50,928,545	14.7%	2,425,169	61.59%	5,235,778	54.8%	29.7%	15.5%	2,233,842	11,385,215		

Most Active Products (Traded Contracts)		
EURO STOXX 50® Index Futures	FESX	21,929,606
EURO STOXX® Banks Futures	FESB	5,768,164
STOXX® Europe 600 DAX® Futures	FXXP	2,950,074
SMI® Futures	FDAX	1,244,690
TRF ON EUROSTOXX50	FSMI	967,035
MSCI Emerging Markets Asia	TESX	897,963
MSCI Emerging Markets Asia	FMEA	848,013
Mini-DAX Futures	FDXM	637,225
EURO STOXX® Select Dividend 30 Index Futures	FEDV	413,619
MSCI World	FMWO	400,608

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	447,407,410	-12.9%	1,754,539	75.29%	62,731,542	43.9%	38.3%	17.8%	22,380,336	9,674,556		
2022	513,859,611	25.8%	1,999,454	74.61%	85,332,639	45.9%	36.1%	18.1%	22,735,875	11,423,188		
2021	408,351,654	-29.3%	1,595,124	74.42%	63,118,387	44.2%	37.0%	18.9%	20,050,380	9,186,944		
2020	577,663,382	18.3%	2,265,347	79.92%	84,645,662	37.9%	40.5%	21.6%	23,291,745	9,474,641		
2019	488,498,763	-1.7%	1,930,825	74.06%	58,089,112	38.2%	39.1%	22.6%	22,180,915	10,055,245		

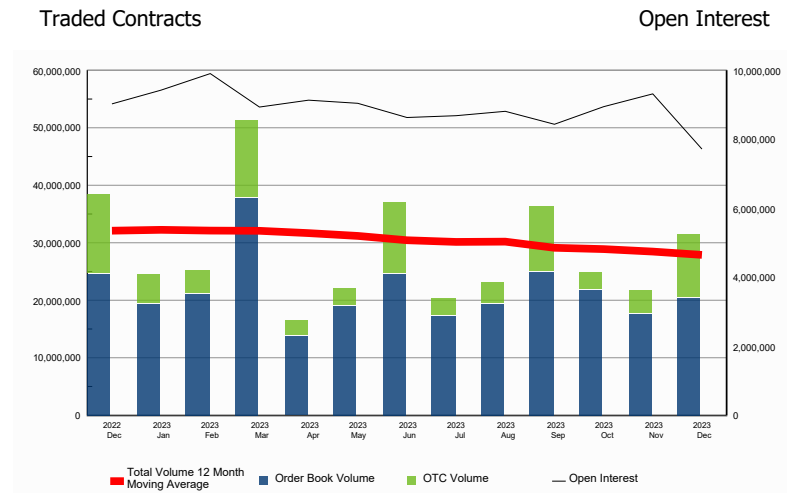
## Equity Index Derivatives :: Equity Index Futures :: Equity Index Futures

Number of Products: 213  
 Number of Series: 4,348  
 Launched Products per Month: 0

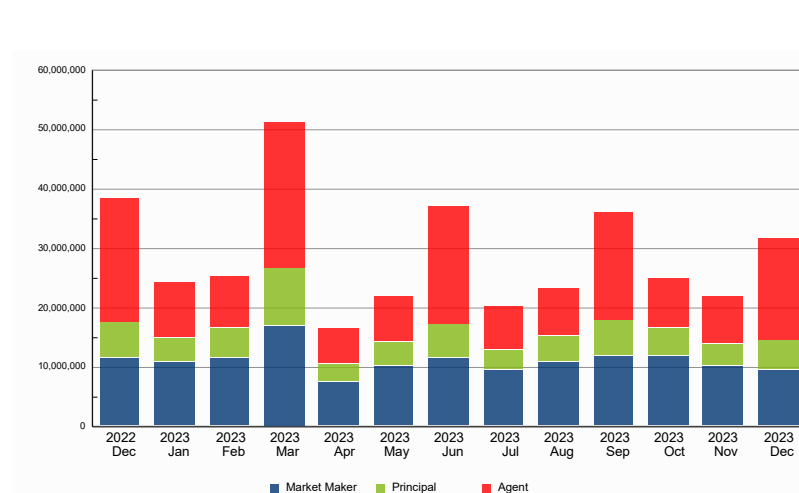
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

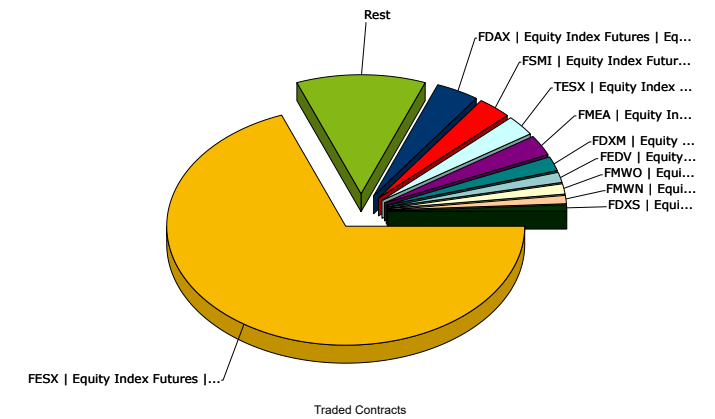
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	31,671,984	-17.9%	1,666,947	64.24%	3,481,895	54.1%	30.6%	15.3%	2,012,809	7,717,076		
Nov 2023	21,835,796	-19.1%	992,536	80.92%	4,116,154	36.1%	46.2%	17.6%	1,421,691	9,316,507		
Oct 2023	24,908,369	-9.9%	1,132,199	87.00%	5,224,972	33.2%	47.4%	19.4%	1,607,860	8,945,096		
Sep 2023	36,214,661	-26.2%	1,724,508	68.75%	4,683,383	50.6%	32.6%	16.7%	2,217,676	8,435,103		
Aug 2023	23,311,613	2.5%	1,013,548	83.45%	4,453,723	35.2%	47.4%	17.4%	1,523,300	8,811,000		
Jul 2023	20,231,147	-14.9%	963,388	84.48%	3,632,812	36.0%	46.6%	17.4%	1,357,108	8,683,652		
Jun 2023	37,056,663	-19.5%	1,684,394	66.02%	4,277,611	53.0%	30.9%	16.1%	2,270,918	8,631,152		
May 2023	22,031,458	-21.0%	1,001,430	85.47%	4,175,490	35.1%	45.9%	19.0%	1,486,450	9,042,938		
Apr 2023	16,537,453	-22.4%	918,747	83.71%	3,252,916	36.0%	45.1%	18.9%	1,103,516	9,133,883		
Mar 2023	51,242,203	-0.9%	2,227,922	73.87%	7,639,462	48.0%	33.1%	18.9%	2,995,768	8,934,252		
Feb 2023	25,226,369	-5.9%	1,261,318	83.93%	4,956,043	34.6%	46.5%	18.9%	1,650,507	9,904,619		
Jan 2023	24,434,147	7.9%	1,110,643	78.65%	4,697,337	39.2%	43.9%	16.9%	1,480,783	9,424,943		
Dec 2022	38,564,348	19.0%	1,836,398	63.95%	4,651,923	54.2%	30.2%	15.5%	2,096,975	9,026,275		

Most Active Products (Traded Contracts)		
EURO STOXX 50® Index Futures	FESX	21,929,606
DAX® Futures	FDAX	1,244,690
SMI® Futures	FSMI	967,035
TRF ON EUROSTOXX50	TESX	897,963
MSCI Emerging Markets Asia	FMEA	848,013
Mini-DAX Futures	FDXM	637,225
EURO STOXX® Select Dividend 30 Index Futures	FEDV	413,619
MSCI World	FMWO	400,608
MSCI World	FMWN	385,156
Micro-DAX Futures	FDXS	271,978

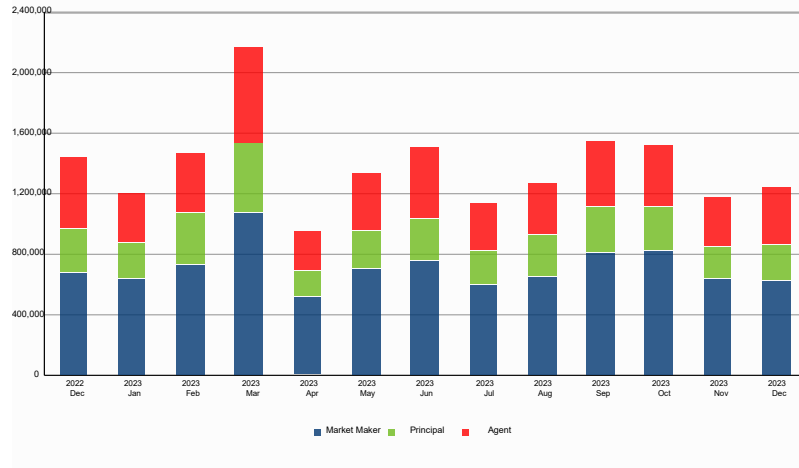
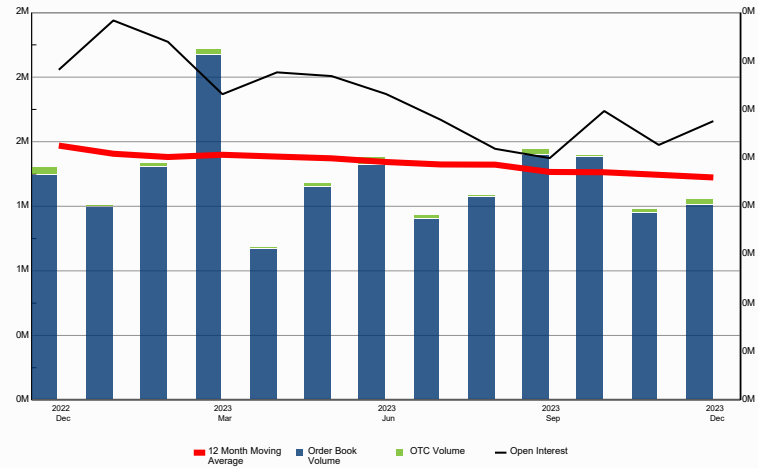
Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	334,701,863	-13.1%	1,312,556	76.64%	54,591,798	42.8%	39.5%	17.6%	21,128,386	7,727,277		
2022	385,174,707	28.2%	1,498,734	75.34%	75,636,848	45.2%	36.6%	18.2%	21,474,521	9,064,111		
2021	300,452,746	-32.2%	1,173,644	76.01%	55,758,247	43.2%	38.4%	18.4%	18,953,106	6,584,724		
2020	443,370,513	19.5%	1,738,708	81.29%	76,607,055	37.0%	42.0%	21.0%	22,310,000	6,710,075		
2019	370,912,872	-4.7%	1,466,059	75.73%	52,689,727	37.2%	40.9%	21.9%	21,160,310	6,818,561		

# Eurex Monthly Statistics December 2023

Equity Index Derivatives :: Equity Index Futures :: Equity Index Futures :: DAX® Futures

Number of Series

13



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,244,690	-13.6%	65,510	96.90%	761,262	31.1%	49.5%	19.4%	522,654	57,587		
Nov 2023	1,180,915	-13.9%	53,678	98.31%	841,741	28.2%	53.8%	18.0%	462,177	52,666		
Oct 2023	1,517,917	-1.5%	68,996	98.83%	1,072,903	26.6%	54.3%	19.1%	575,009	59,672		
Sep 2023	1,552,077	-25.9%	73,908	97.99%	1,019,822	28.4%	52.1%	19.5%	610,547	49,945		
Aug 2023	1,270,130	-1.2%	55,223	98.84%	921,193	27.4%	51.0%	21.5%	504,393	51,863		
Jul 2023	1,142,274	-13.8%	54,394	98.54%	817,042	28.2%	52.6%	19.2%	461,048	57,866		
Jun 2023	1,502,667	-15.4%	68,303	97.21%	962,030	31.4%	50.0%	18.5%	606,582	63,174		
May 2023	1,338,171	-8.7%	60,826	98.68%	956,574	29.0%	52.6%	18.3%	534,348	66,885		
Apr 2023	950,933	-12.5%	52,830	98.38%	695,690	27.3%	53.9%	18.8%	377,941	67,653		
Mar 2023	2,170,429	8.3%	94,366	98.23%	1,524,659	29.4%	49.3%	21.3%	827,986	63,143		
Feb 2023	1,462,146	-14.2%	73,107	98.44%	1,057,284	26.3%	50.2%	23.5%	564,428	73,958		
Jan 2023	1,210,020	-33.4%	55,001	98.40%	891,056	27.9%	52.1%	20.0%	452,384	78,368		
Dec 2022	1,440,295	-5.8%	68,585	96.47%	944,233	33.4%	47.3%	19.4%	513,340	68,185		

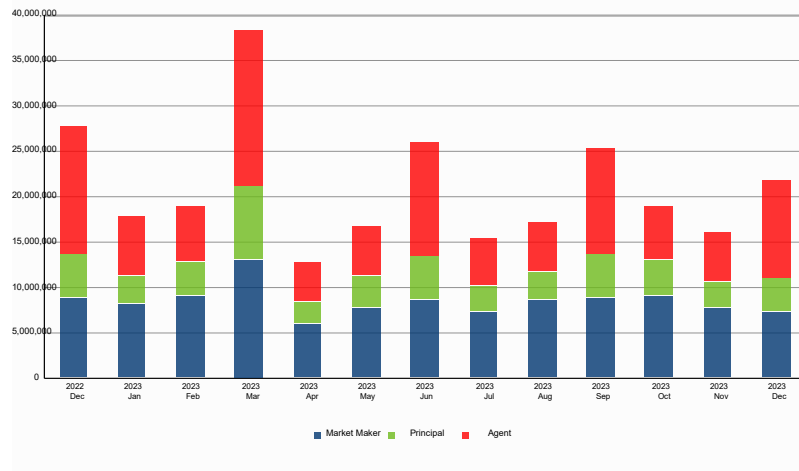
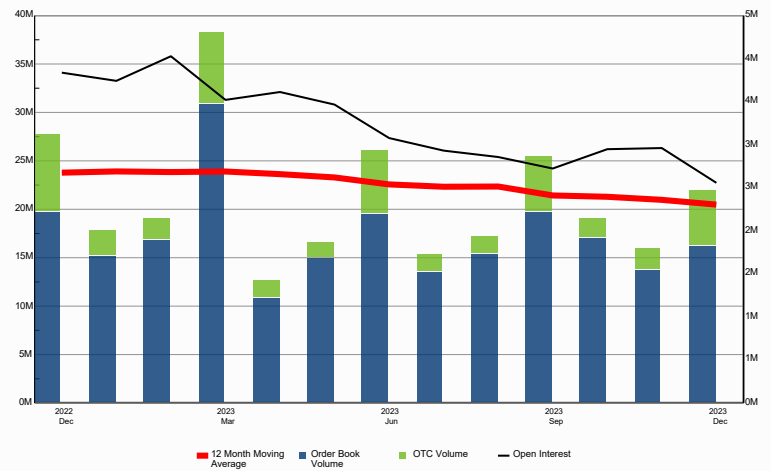
Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	16,542,369	0.0%	64,872	98.22%	11,521,256	28.5%	51.6%	19.9%	6,499,496	57,587		
2022	18,911,803	0.0%	73,587	97.78%	13,869,958	28.9%	50.1%	21.0%	6,555,530	68,185		
2021	16,937,445	0.0%	66,162	98.36%	11,981,327	29.7%	48.1%	22.2%	6,440,912	57,549		
2020	25,039,383	0.0%	98,194	98.30%	19,706,678	28.9%	41.3%	29.8%	7,613,409	53,576		
2019	27,798,116	0.0%	109,874	97.86%	20,463,115	32.5%	43.4%	24.1%	8,400,655	83,965		

# Eurex Monthly Statistics December 2023

Equity Index Derivatives :: Equity Index Futures :: Equity Index Futures :: EURO STOXX 50® Index Futures

Number of Series

13



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	21,929,606	-21.3%	1,154,190	73.82%	1,448,637	49.3%	33.4%	17.3%	995,336	2,557,226		
Nov 2023	16,001,009	-19.1%	727,319	85.68%	1,644,728	33.2%	48.0%	18.8%	684,048	2,961,083		
Oct 2023	18,990,873	-7.9%	863,222	89.37%	2,231,572	31.8%	48.2%	20.0%	782,338	2,947,798		
Sep 2023	25,453,808	-30.3%	1,212,086	77.22%	1,940,375	46.6%	34.6%	18.8%	1,081,787	2,723,258		
Aug 2023	17,311,304	1.6%	752,665	88.50%	1,771,396	32.2%	49.4%	18.4%	746,551	2,856,865		
Jul 2023	15,358,844	-15.9%	731,374	88.57%	1,398,957	34.4%	47.6%	18.1%	672,951	2,931,274		
Jun 2023	26,040,444	-24.9%	1,183,657	75.27%	1,740,248	48.5%	33.2%	18.3%	1,132,603	3,077,337		
May 2023	16,698,358	-19.7%	759,016	89.49%	1,667,648	32.8%	46.9%	20.3%	718,572	3,465,938		
Apr 2023	12,730,632	-20.3%	707,257	85.75%	1,318,297	34.2%	46.1%	19.7%	548,267	3,611,787		
Mar 2023	38,256,616	1.8%	1,663,331	80.70%	3,647,681	44.9%	33.8%	21.3%	1,582,267	3,520,565		
Feb 2023	19,074,075	-4.0%	953,704	87.90%	2,004,353	32.4%	47.8%	19.7%	809,531	4,027,466		
Jan 2023	17,913,698	9.3%	814,259	84.26%	1,918,926	36.8%	45.1%	18.1%	734,660	3,741,489		
Dec 2022	27,859,238	20.9%	1,326,630	70.84%	1,988,484	50.8%	31.9%	17.3%	1,091,687	3,836,722		

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	245,759,267	0.0%	963,762	82.86%	22,732,818	39.6%	41.2%	19.2%	10,488,909	2,557,226		
2022	285,374,104	0.0%	1,110,405	80.22%	36,313,495	43.4%	36.6%	20.0%	10,594,955	3,836,722		
2021	223,870,918	0.0%	874,496	80.54%	25,524,859	40.9%	39.6%	19.5%	8,937,058	2,677,946		
2020	352,195,151	0.0%	1,381,157	85.14%	35,464,499	35.2%	43.4%	21.4%	11,170,573	2,917,794		
2019	292,360,338	0.0%	1,155,574	77.57%	18,296,471	35.4%	42.3%	22.3%	9,992,267	3,392,722		

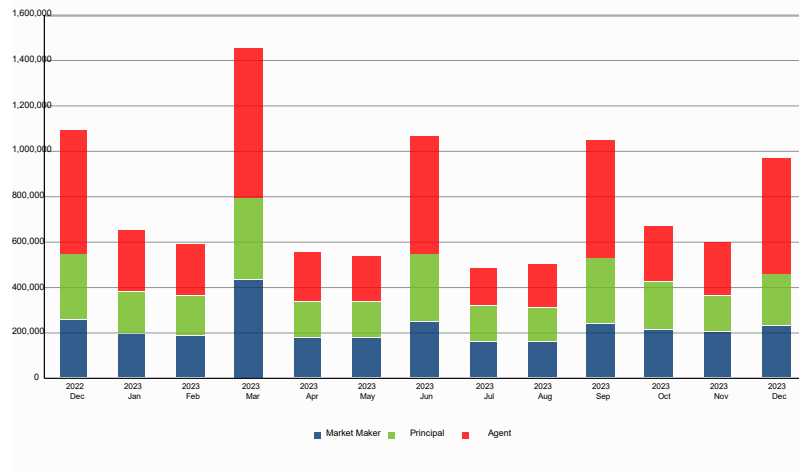
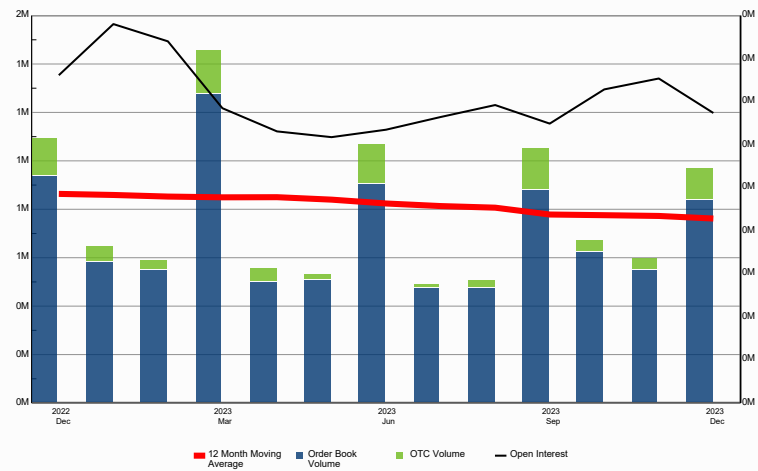


# Eurex Monthly Statistics December 2023

Equity Index Derivatives :: Equity Index Futures :: Equity Index Futures :: SMI® Futures

Number of Series

13



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	967,035	-11.6%	50,897	87.06%	339,507	52.7%	24.0%	23.3%	113,602	134,729		
Nov 2023	598,854	-5.9%	27,221	91.11%	355,763	39.5%	34.7%	25.7%	66,596	150,756		
Oct 2023	674,125	-4.7%	30,642	93.01%	423,210	37.0%	31.9%	31.1%	75,345	145,695		
Sep 2023	1,051,839	-24.4%	50,088	83.41%	385,821	49.6%	22.6%	27.8%	121,075	129,797		
Aug 2023	504,127	-13.6%	21,919	94.15%	328,188	37.8%	31.6%	30.5%	58,090	138,423		
Jul 2023	489,538	-20.7%	23,311	96.61%	316,717	35.6%	32.0%	32.4%	56,475	132,865		
Jun 2023	1,069,479	-15.1%	48,613	84.29%	385,746	49.0%	23.2%	27.8%	124,087	126,979		
May 2023	535,575	-18.6%	24,344	94.46%	318,993	36.9%	33.5%	29.7%	62,910	123,504		
Apr 2023	554,276	1.2%	30,793	90.43%	326,055	39.4%	32.5%	28.1%	63,405	126,189		
Mar 2023	1,457,834	-2.4%	63,384	87.29%	598,110	45.6%	29.8%	24.6%	157,890	136,953		
Feb 2023	588,802	-12.0%	29,440	93.73%	383,960	37.8%	31.4%	30.8%	66,166	168,023		
Jan 2023	650,247	-7.5%	29,557	88.94%	394,942	41.6%	29.4%	29.0%	72,971	176,050		
Dec 2022	1,094,439	-0.9%	52,116	85.27%	389,684	49.9%	23.5%	26.6%	121,828	152,276		

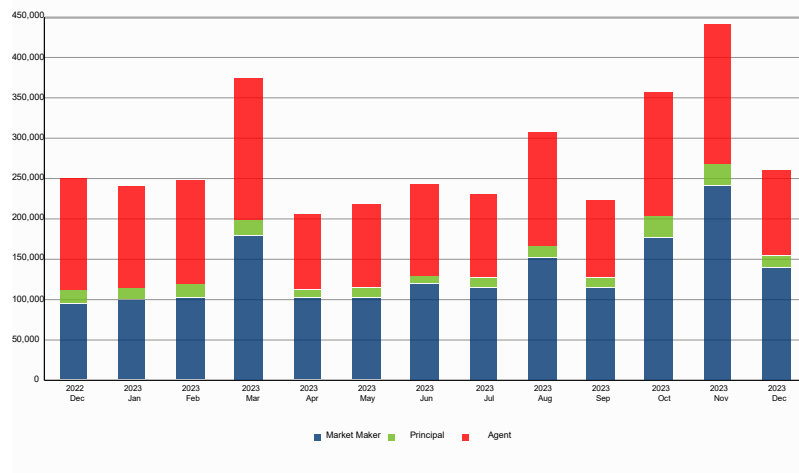
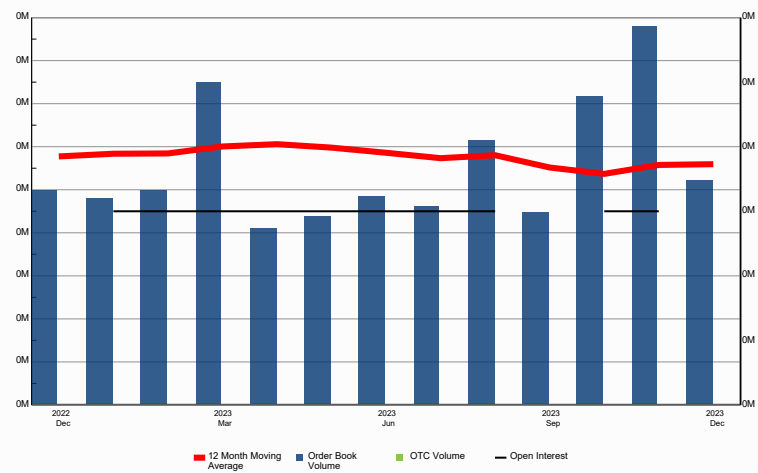
Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	9,141,731	0.0%	35,850	89.16%	4,557,012	43.5%	28.7%	27.7%	1,038,612	134,729		
2022	10,362,584	0.0%	40,321	89.87%	5,573,208	40.7%	31.5%	27.8%	1,158,770	152,276		
2021	9,716,056	0.0%	37,953	91.55%	4,843,525	38.4%	30.1%	31.5%	1,044,223	144,500		
2020	13,449,542	0.0%	52,743	93.68%	6,960,333	33.9%	29.0%	37.1%	1,246,124	145,711		
2019	12,482,456	0.0%	49,338	89.84%	5,504,235	35.4%	25.0%	39.6%	1,094,440	181,592		

# Eurex Monthly Statistics December 2023

Equity Index Derivatives :: Equity Index Futures :: Equity Index Futures :: Eurex Daily Futures on KOSPI 200 Futures

Number of Series

8



Month	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	260,448	4.2%	13,708	100.00%	155,331	41.1%	53.4%	5.5%	15,644			
Nov 2023	440,752	39.2%	20,034	100.00%	259,582	39.3%	54.6%	6.1%	25,712	0		
Oct 2023	357,934	-19.8%	16,270	100.00%	199,017	43.4%	49.0%	7.7%	20,007	0		
Sep 2023	224,363	-43.2%	10,684	100.00%	127,372	43.8%	51.1%	5.1%	13,292			
Aug 2023	308,186	15.4%	13,399	100.00%	174,675	45.7%	48.8%	5.5%	18,010	0		
Jul 2023	230,354	-24.7%	10,969	100.00%	122,809	45.1%	49.8%	5.1%	13,903	0		
Jun 2023	243,622	-22.8%	11,074	100.00%	138,506	46.8%	48.6%	4.5%	14,891	0		
May 2023	219,312	-17.9%	9,969	100.00%	127,787	48.2%	46.9%	4.9%	12,604	0		
Apr 2023	206,265	18.3%	11,459	100.00%	123,276	46.3%	49.0%	4.8%	11,708	0		
Mar 2023	375,590	34.8%	16,330	100.00%	235,237	47.0%	47.8%	5.2%	21,090	0		
Feb 2023	248,873	1.7%	12,444	100.00%	160,135	52.4%	40.5%	7.0%	14,645	0		
Jan 2023	240,677	18.4%	10,940	100.00%	154,513	52.2%	41.0%	6.8%	13,948	0		
Dec 2022	249,892	65.7%	11,900	100.00%	162,866	55.6%	38.0%	6.4%	13,969			

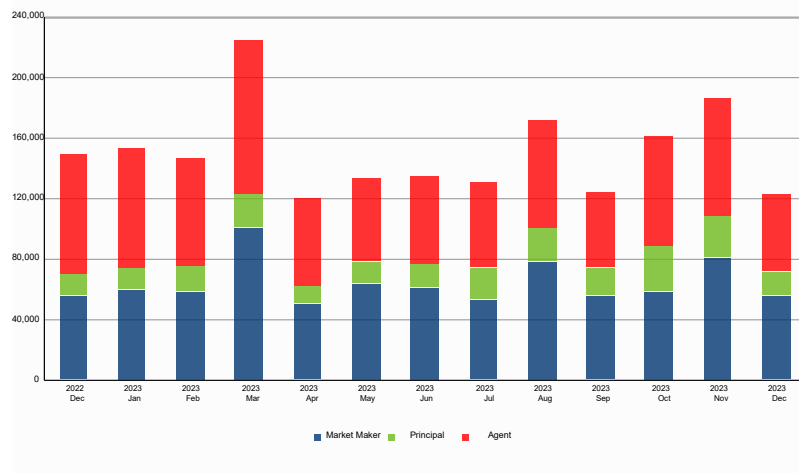
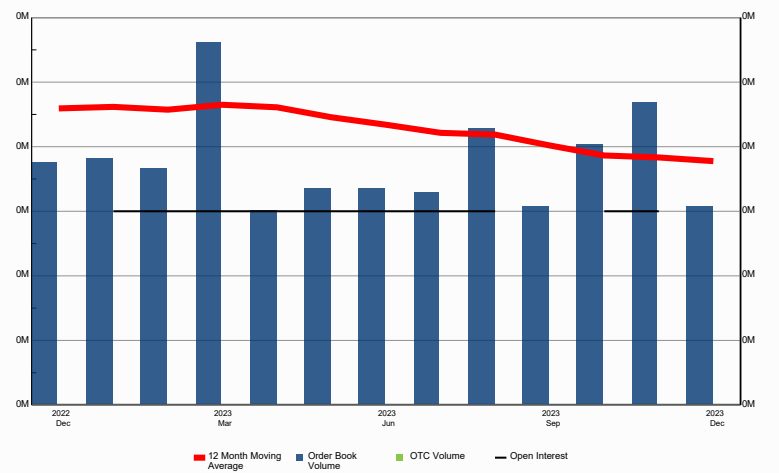
Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	3,356,376	0.0%	13,162	100.00%	1,978,240	45.5%	48.7%	5.8%	195,453	0		
2022	3,464,692	0.0%	13,481	100.00%	2,265,109	54.8%	37.4%	7.8%	207,506	0		
2021	962,343	0.0%	3,759	100.00%	649,114	66.0%	32.2%	1.8%	72,319	0		

# Eurex Monthly Statistics December 2023

Equity Index Derivatives :: Equity Index Futures :: Equity Index Futures :: Eurex Daily Futures on Mini KOSPI 200 Futures

Number of Series

7



Month	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	122,621	-18.2%	6,454	100.00%	70,525	41.9%	45.9%	12.2%	1,470			
Nov 2023	187,060	-7.3%	8,503	100.00%	104,557	42.3%	42.9%	14.8%	2,184	0		
Oct 2023	161,584	-31.6%	7,345	100.00%	93,367	45.2%	36.3%	18.5%	1,805	0		
Sep 2023	123,790	-39.5%	5,895	100.00%	63,221	40.2%	44.5%	15.2%	1,460			
Aug 2023	171,678	-7.1%	7,464	100.00%	97,461	41.5%	45.3%	13.2%	2,004	0		
Jul 2023	131,274	-31.5%	6,251	100.00%	72,987	43.4%	40.8%	15.8%	1,576	0		
Jun 2023	134,877	-29.1%	6,131	100.00%	81,171	42.9%	45.6%	11.5%	1,641	0		
May 2023	134,185	-35.6%	6,099	100.00%	83,264	41.8%	47.1%	11.1%	1,543	0		
Apr 2023	121,029	-13.5%	6,724	100.00%	83,605	48.6%	41.3%	10.2%	1,371	0		
Mar 2023	225,330	19.3%	9,797	100.00%	159,336	45.6%	44.7%	9.6%	2,520	0		
Feb 2023	146,334	-12.4%	7,317	100.00%	99,916	48.1%	39.9%	12.0%	1,723	0		
Jan 2023	152,992	7.9%	6,954	100.00%	103,502	51.2%	38.9%	9.9%	1,769	0		
Dec 2022	149,920	17.5%	7,139	100.00%	100,767	53.1%	37.4%	9.5%	1,669			

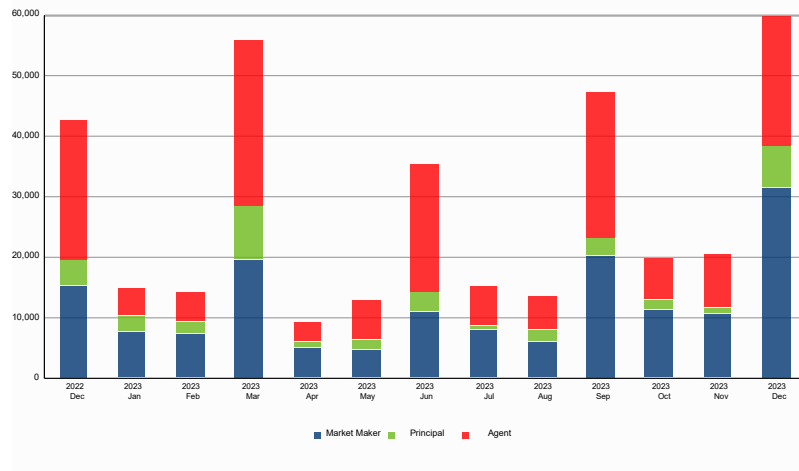
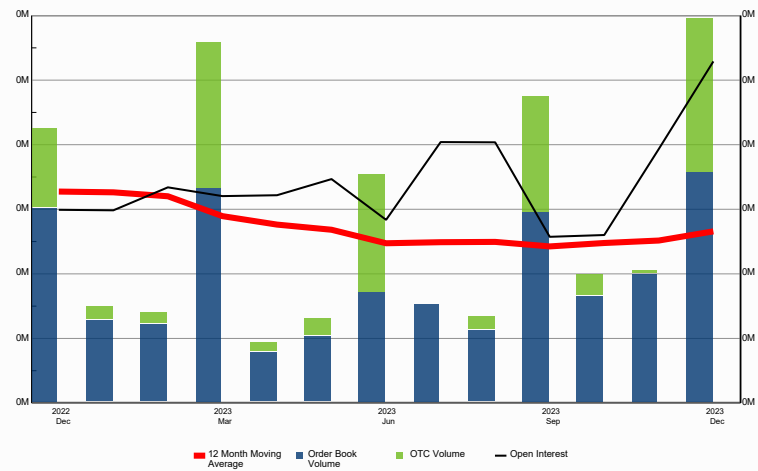
Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	1,812,754	0.0%	7,109	100.00%	1,112,912	44.4%	42.7%	12.8%	21,066	0		
2022	2,204,737	0.0%	8,579	100.00%	1,484,776	55.8%	35.8%	8.5%	26,688	0		
2021	1,636,064	0.0%	6,391	100.00%	1,007,757	68.0%	27.9%	4.1%	24,941	0		
2020	937,059	0.0%	3,675	100.00%	516,316	82.6%	15.7%	1.7%	10,707	0		
2019	79,748	0.0%	315	100.00%	55,022	55.6%	44.4%	0.0%	838	0		

# Eurex Monthly Statistics December 2023

Equity Index Derivatives :: Equity Index Futures :: Equity Index Futures :: STOXX® Europe 50 Index Futures

Number of Series

4



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	59,703	40.0%	3,142	60.07%	3,334	35.8%	52.6%	11.6%	2,437	21,159		
Nov 2023	20,548	28.3%	934	96.92%	5,694	43.1%	52.4%	4.5%	809	15,735		
Oct 2023	19,981	46.7%	908	82.48%	4,742	34.9%	57.2%	7.9%	781	10,406		
Sep 2023	47,432	-15.1%	2,259	62.15%	4,703	51.5%	42.4%	6.2%	1,888	10,294		
Aug 2023	13,492	4.5%	587	84.06%	3,487	41.2%	45.5%	13.3%	535	16,148		
Jul 2023	15,331	14.5%	730	100.00%	4,156	43.3%	51.0%	5.6%	606	16,163		
Jun 2023	35,301	-41.5%	1,605	48.81%	2,885	59.5%	30.6%	9.8%	1,414	11,346		
May 2023	12,993	-42.4%	591	78.83%	3,394	50.2%	35.1%	14.7%	522	13,871		
Apr 2023	9,387	-62.7%	522	84.02%	2,382	36.6%	52.2%	11.2%	376	12,871		
Mar 2023	55,823	-39.8%	2,427	59.59%	5,059	49.1%	35.2%	15.6%	2,118	12,816		
Feb 2023	14,085	-34.3%	704	87.33%	4,294	33.8%	51.3%	14.9%	548	13,359		
Jan 2023	14,877	-8.5%	676	86.27%	5,133	32.0%	51.0%	17.0%	570	11,936		
Dec 2022	42,647	-46.4%	2,031	71.03%	3,587	54.1%	35.7%	10.2%	1,610	11,968		

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	318,953	0.0%	1,251	69.66%	49,263	44.4%	44.7%	10.9%	12,604	21,159		
2022	392,903	0.0%	1,529	70.57%	61,190	44.3%	46.7%	9.1%	14,023	11,968		
2021	341,056	0.0%	1,332	62.94%	37,857	53.4%	39.8%	6.8%	11,945	17,249		
2020	577,573	0.0%	2,265	76.56%	128,665	44.8%	43.7%	11.5%	16,707	10,351		
2019	509,092	0.0%	2,012	78.43%	111,619	41.4%	43.0%	15.7%	16,012	15,339		

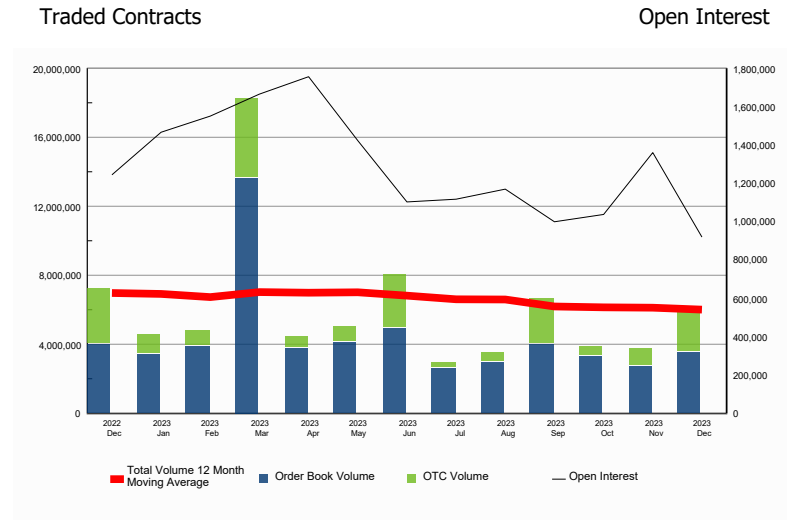
## Equity Index Derivatives :: Equity Index Futures :: EURO STOXX® Sector Index Futures

Number of Products 23  
 Number of Series 92  
 Launched Products per Month 0

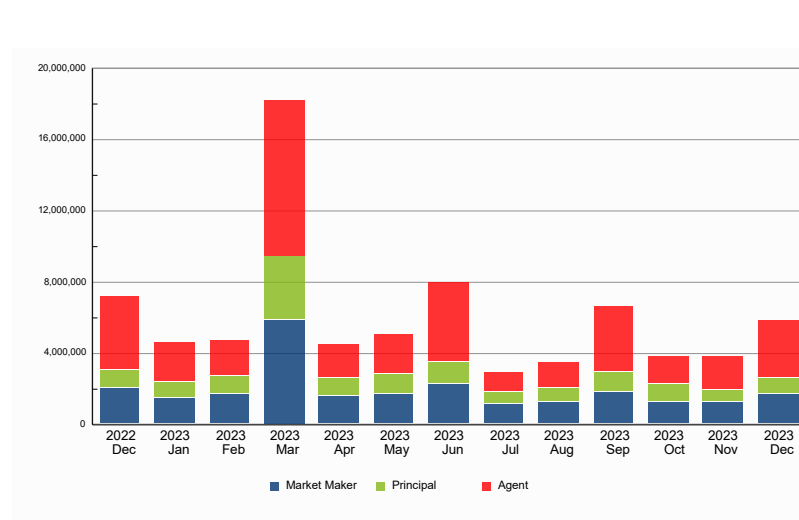
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

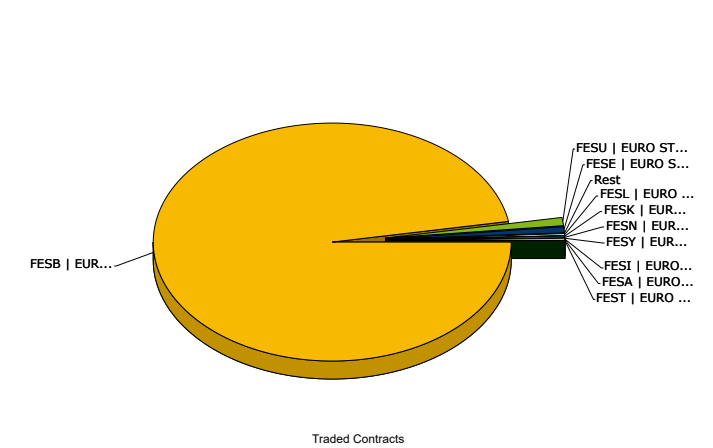
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	5,930,157	-18.4%	312,114	59.03%	194,105	55.0%	28.9%	16.0%	37,837	919,320		
Nov 2023	3,814,226	-6.0%	173,374	70.05%	210,567	48.4%	33.2%	18.4%	22,223	1,359,993		
Oct 2023	3,839,915	-13.2%	174,542	84.78%	247,737	41.8%	33.5%	24.7%	21,613	1,037,307		
Sep 2023	6,646,104	-42.3%	316,481	60.59%	260,480	55.3%	28.0%	16.7%	38,308	999,030		
Aug 2023	3,543,448	-3.5%	154,063	82.44%	222,072	41.6%	36.8%	21.7%	20,210	1,169,422		
Jul 2023	2,998,322	-45.9%	142,777	86.49%	196,117	37.7%	38.7%	23.6%	17,014	1,116,953		
Jun 2023	8,060,500	-22.5%	366,386	60.67%	276,485	56.4%	28.2%	15.4%	43,557	1,102,654		
May 2023	5,086,005	6.1%	231,182	80.79%	280,471	43.7%	34.2%	22.1%	26,249	1,422,702		
Apr 2023	4,512,643	-8.6%	250,702	84.30%	241,759	42.0%	34.5%	23.5%	23,735	1,756,080		
Mar 2023	18,271,050	23.5%	794,393	74.66%	962,890	48.3%	32.5%	19.3%	95,964	1,665,346		
Feb 2023	4,771,688	-31.5%	238,584	82.15%	306,645	42.1%	36.9%	20.9%	28,112	1,550,567		
Jan 2023	4,621,559	-12.3%	210,071	74.39%	285,061	48.6%	32.4%	19.0%	24,995	1,466,375		
Dec 2022	7,263,647	6.0%	345,888	54.77%	237,551	57.4%	27.8%	14.8%	36,188	1,244,135		

Most Active Products (Traded Contracts)		
EURO STOXX® Banks Futures	FESB	5,768,164
EURO STOXX® Utilities Futures	FESU	61,932
EURO STOXX® Oil & Gas Futures	FESE	42,811
EURO STOXX® Real Estate Futures	FESL	10,422
EURO STOXX® Consumer Products & Services Futures	FESK	9,170
EURO STOXX® Construction & Materials Futures	FESN	6,986
EURO STOXX® Technology Futures	FESY	5,809
EURO STOXX® Insurance Futures	FESI	5,033
EURO STOXX® Automobiles & Parts Futures	FESA	4,538
EURO STOXX® Telecommunications Futures	FEST	3,181

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	72,095,617	-13.8%	282,728	73.20%	3,684,389	48.2%	32.4%	19.4%	399,815	919,383		
2022	83,644,429	22.9%	325,465	73.34%	4,233,946	50.3%	32.2%	17.5%	385,518	1,244,272		
2021	68,085,862	-27.7%	265,960	71.54%	2,842,202	47.6%	30.4%	22.0%	328,265	1,560,575		
2020	94,127,482	13.2%	369,127	75.76%	2,676,128	41.1%	33.7%	25.2%	334,978	1,674,500		
2019	83,175,525	10.9%	328,757	68.93%	2,156,288	41.9%	31.2%	27.0%	398,974	2,258,686		

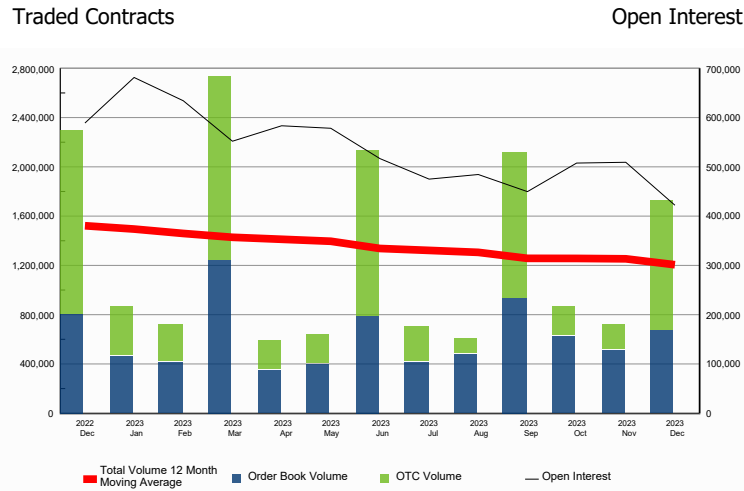
## Equity Index Derivatives :: Equity Index Futures :: STOXX® Europe 600 Sector Index Futures

Number of Products 23  
 Number of Series 92  
 Launched Products per Month 0

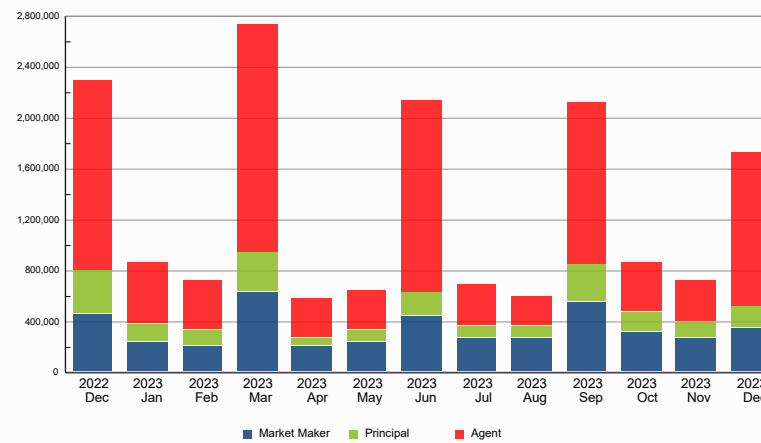
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

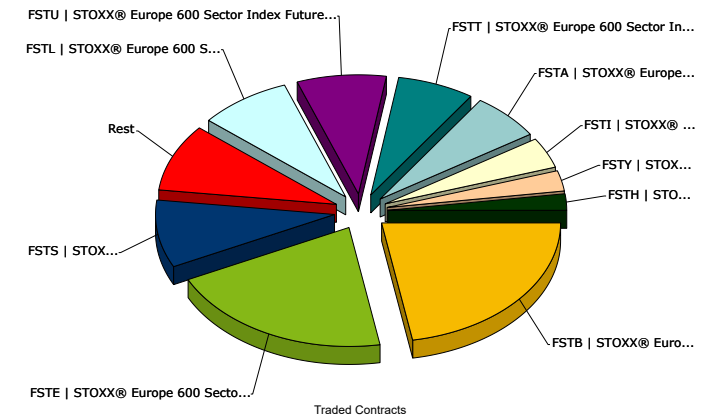
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,728,533	-25.0%	90,975	39.28%	134,769	69.3%	20.2%	10.5%	32,216	422,062		
Nov 2023	721,598	-5.2%	32,800	71.88%	153,592	45.1%	38.6%	16.3%	13,274	509,279		
Oct 2023	873,684	-1.1%	39,713	71.31%	182,438	46.2%	35.8%	18.0%	15,415	507,661		
Sep 2023	2,123,053	-21.5%	101,098	43.68%	174,377	59.5%	26.0%	14.5%	38,843	449,700		
Aug 2023	603,007	-23.9%	26,218	80.17%	124,579	38.0%	45.2%	16.7%	11,561	484,477		
Jul 2023	702,584	-21.0%	33,456	58.84%	113,007	47.4%	38.2%	14.3%	12,579	475,076		
Jun 2023	2,143,460	-24.8%	97,430	36.52%	123,689	70.5%	20.6%	8.8%	38,061	516,748		
May 2023	642,654	-23.0%	29,212	61.87%	105,115	48.6%	37.7%	13.7%	10,901	578,278		
Apr 2023	593,852	-24.3%	32,992	57.71%	83,455	54.3%	34.2%	11.5%	10,262	583,347		
Mar 2023	2,733,709	-12.1%	118,857	45.40%	241,554	65.4%	23.2%	11.3%	47,983	552,043		
Feb 2023	725,854	-37.1%	36,293	57.47%	130,466	54.3%	28.6%	17.1%	14,672	634,117		
Jan 2023	870,842	-27.1%	39,584	53.80%	148,862	56.4%	28.6%	15.0%	14,873	681,354		
Dec 2022	2,304,853	-4.4%	109,755	34.71%	137,136	65.1%	19.8%	15.0%	40,803	588,922		

### Most Active Products (Traded Contracts)

STOXX® Europe 600 Banks Futures	FSTB	381,728
STOXX® Europe 600 Oil & Gas Futures	FSTE	356,173
STOXX® Europe 600 Basic Resources Futures	FSTS	160,993
STOXX® Europe 600 Real Estate Futures	FSTL	143,315
STOXX® Europe 600 Utilities Futures	FSTU	136,982
STOXX® Europe 600 Telecommunications Futures	FSTT	120,728
STOXX® Europe 600 Automobiles & Parts Futures	FSTA	111,791
STOXX® Europe 600 Insurance Futures	FSTI	69,363
STOXX® Europe 600 Technology Futures	FSTY	49,984
STOXX® Europe 600 Health Care Futures	FSTH	38,005

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	14,462,830	-20.8%	56,717	50.44%	1,715,903	59.3%	27.8%	13.0%	260,640	422,388		
2022	18,262,640	0.0%	71,061	55.37%	2,187,470	55.3%	29.4%	15.3%	304,595	588,922		
2021	18,257,991	22.5%	71,320	53.56%	2,031,474	55.5%	27.4%	17.2%	287,701	614,395		
2020	14,907,732	9.5%	58,462	65.15%	1,866,005	48.9%	32.7%	18.4%	197,077	596,498		
2019	13,611,823	-2.3%	53,802	61.89%	1,479,209	49.0%	34.4%	16.6%	226,202	418,369		

Equity Index Derivatives :: Equity Index Futures :: Dow Jones Sector Titans Index Futures (SM)

### Volume Development Trend

MoM Change

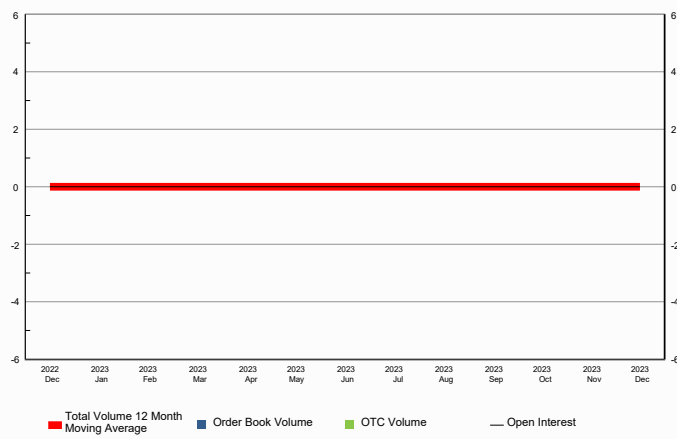
YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

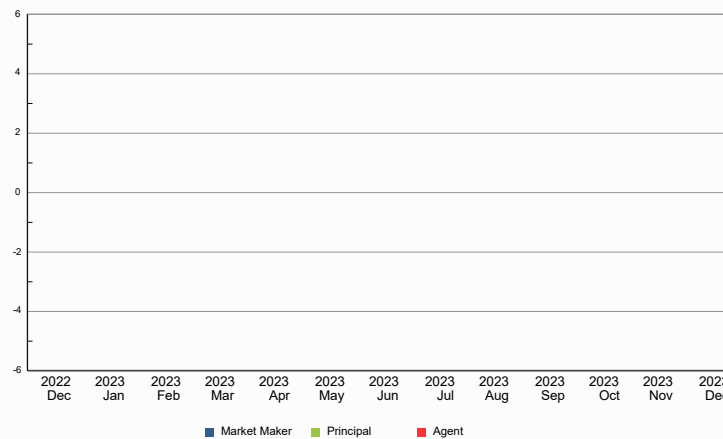
### Traded Contracts & Open Interest

Traded Contracts

Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

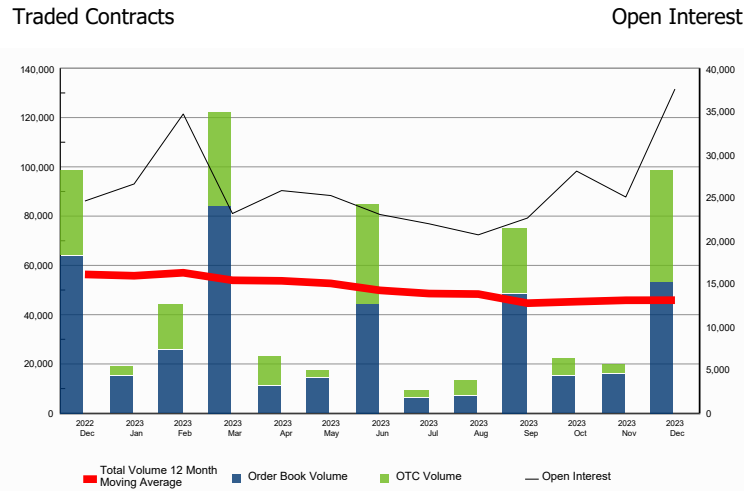
## Equity Index Derivatives :: Equity Index Futures :: EURO STOXX® Broadbased and Size Index Futures

Number of Products 4  
 Number of Series 25  
 Launched Products per Month 0

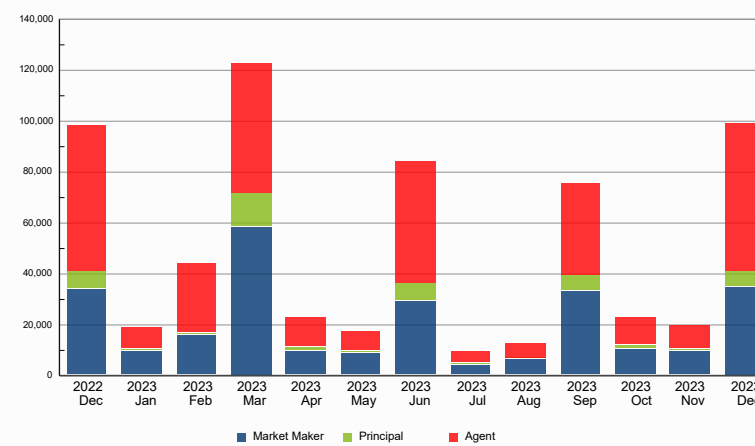
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

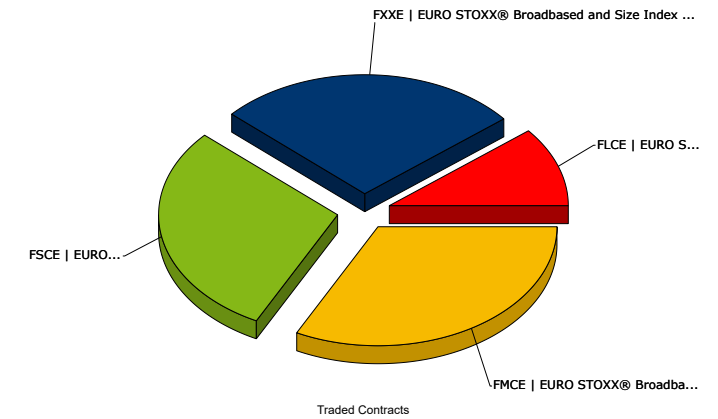
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	98,947	0.4%	5,208	53.69%	3,931	58.8%	34.9%	6.3%	2,146	37,592		
Nov 2023	19,747	52.3%	898	80.97%	1,522	45.7%	47.7%	6.6%	384	25,071		
Oct 2023	22,739	47.6%	1,034	65.33%	1,360	48.1%	44.7%	7.2%	425	28,076		
Sep 2023	75,407	-37.0%	3,591	63.60%	1,867	47.5%	44.1%	8.3%	1,558	22,633		
Aug 2023	13,103	-16.2%	570	51.73%	778	47.0%	49.3%	3.7%	284	20,688		
Jul 2023	9,322	-62.6%	444	67.41%	1,022	48.4%	47.2%	4.5%	192	21,965		
Jun 2023	84,483	-28.5%	3,840	52.80%	2,267	56.8%	34.7%	8.5%	1,734	23,045		
May 2023	17,188	-42.4%	781	82.05%	1,921	43.7%	53.4%	2.8%	326	25,242		
Apr 2023	23,286	-10.3%	1,294	48.73%	1,549	50.0%	42.3%	7.7%	488	25,818		
Mar 2023	122,615	-23.0%	5,331	68.36%	3,439	41.6%	47.9%	10.5%	2,568	23,157		
Feb 2023	44,232	49.1%	2,212	58.01%	2,722	61.4%	35.4%	3.2%	964	34,706		
Jan 2023	19,462	-24.7%	885	79.23%	2,500	45.0%	51.0%	4.0%	386	26,586		
Dec 2022	98,596	-21.5%	4,695	64.36%	4,336	58.1%	34.4%	7.5%	1,901	24,609		

Most Active Products (Traded Contracts)		
Euro STOXX® Mid	FMCE	32,181
Euro STOXX® Small	FSCE	28,779
Euro STOXX®	FXXE	27,381
Euro STOXX® Large	FLCE	10,606

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	550,531	-18.6%	2,159	61.75%	24,878	50.6%	42.0%	7.4%	11,456	37,592		
2022	676,017	-6.5%	2,630	68.84%	33,763	46.0%	46.4%	7.6%	13,184	24,609		
2021	722,983	-20.2%	2,824	52.64%	40,382	50.8%	39.1%	10.1%	16,342	31,118		
2020	906,082	3.2%	3,553	52.08%	41,840	55.1%	37.4%	7.5%	15,306	39,094		
2019	877,768	-19.6%	3,469	55.48%	32,459	52.5%	41.4%	6.0%	16,006	41,582		



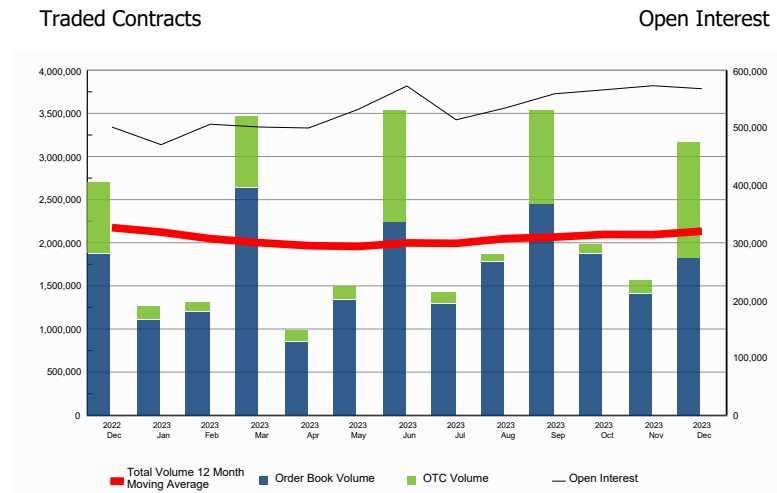
## Equity Index Derivatives :: Equity Index Futures :: STOXX® Europe 600 Broadbased and Size Index Futures

Number of Products 7  
 Number of Series 44  
 Launched Products per Month 0

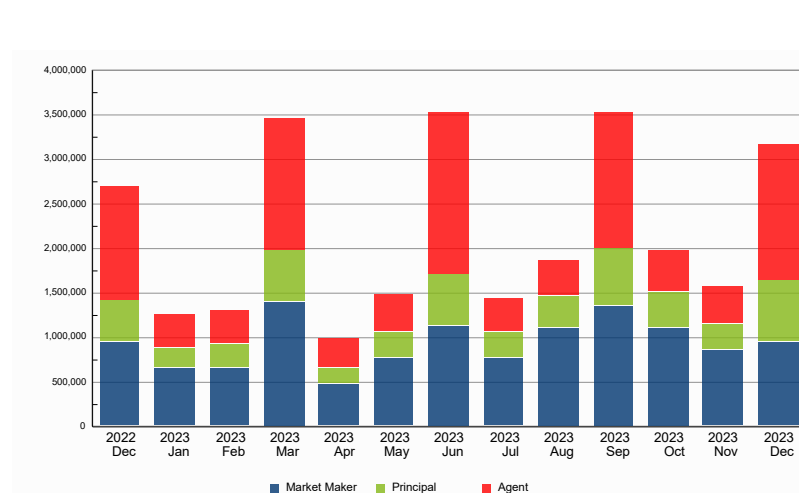
### Volume Development Trend

MoM Change ↑ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

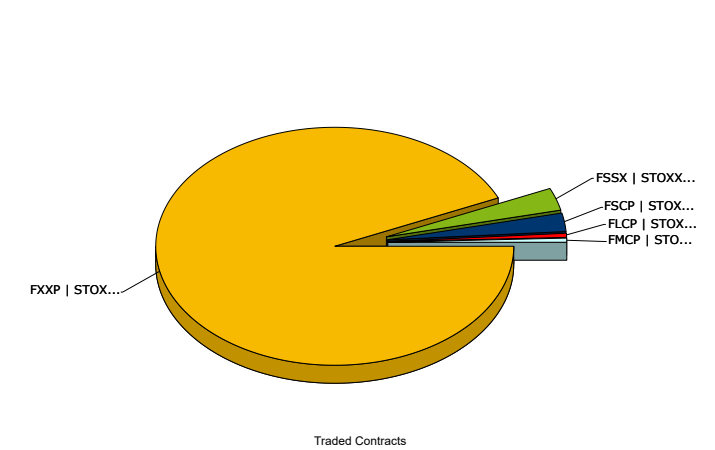
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	3,162,716	17.3%	166,459	57.56%	209,204	48.1%	30.4%	21.5%	74,137	567,916		
Nov 2023	1,569,590	-1.5%	71,345	89.37%	208,596	26.2%	54.4%	19.4%	35,239	573,183		
Oct 2023	1,974,974	23.0%	89,772	94.21%	268,287	23.1%	55.9%	21.0%	43,653	565,994		
Sep 2023	3,527,576	6.1%	167,980	69.08%	281,510	43.4%	38.3%	18.2%	79,521	559,092		
Aug 2023	1,860,183	55.6%	80,878	95.24%	230,010	21.7%	59.0%	19.3%	42,444	534,398		
Jul 2023	1,438,503	-3.6%	68,500	90.08%	171,066	26.2%	53.0%	20.8%	33,120	513,878		
Jun 2023	3,537,609	16.3%	160,800	63.32%	223,928	51.8%	32.1%	16.0%	80,600	572,725		
May 2023	1,492,875	-7.2%	67,858	89.13%	201,268	28.4%	51.7%	19.9%	34,331	531,751		
Apr 2023	984,288	-29.6%	54,683	85.43%	144,333	33.6%	49.3%	17.1%	22,516	499,637		
Mar 2023	3,471,320	-13.9%	150,927	76.10%	394,673	43.1%	40.1%	16.8%	76,204	501,338		
Feb 2023	1,319,697	-41.0%	65,985	90.63%	201,730	29.7%	49.8%	20.5%	30,244	506,193		
Jan 2023	1,257,238	-32.8%	57,147	86.82%	179,969	30.0%	52.1%	17.9%	28,031	470,591		
Dec 2022	2,697,101	3.6%	128,433	68.99%	204,832	47.6%	35.1%	17.3%	57,976	501,274		

Most Active Products (Traded Contracts)		
STOXX® Europe 600	FXXP	2,950,074
EURO STOXX 50 ESG	FSSX	97,621
STOXX® Europe Small 200	FSCP	75,695
STOXX® Europe Large 200	FLCP	22,631
STOXX® Europe Mid 200	FMCP	16,695

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	25,596,569	-1.9%	100,379	77.86%	2,714,574	37.3%	43.9%	18.8%	580,038	567,916		
2022	26,101,818	25.3%	101,563	81.53%	3,240,612	34.6%	45.3%	20.1%	558,057	501,274		
2021	20,832,072	-14.5%	81,375	79.99%	2,446,082	36.1%	46.5%	17.4%	464,966	396,132		
2020	24,351,573	22.2%	95,496	81.08%	3,454,634	34.4%	44.6%	21.0%	434,385	454,474		
2019	19,920,775	13.2%	78,738	73.35%	1,731,429	35.1%	42.3%	22.6%	379,422	518,047		

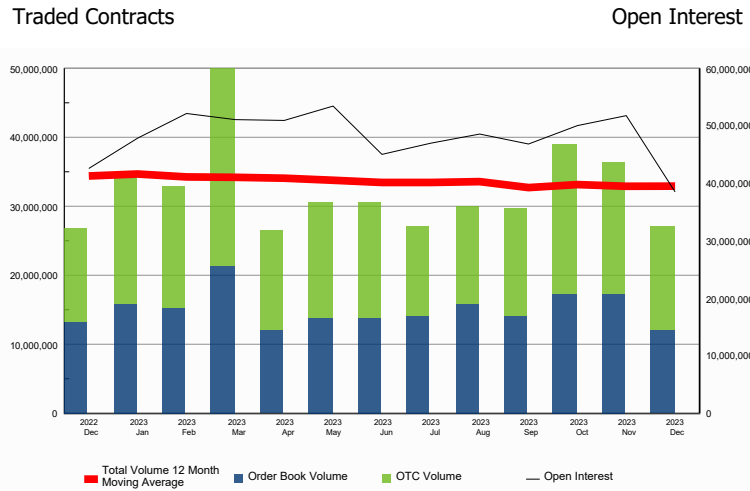
## Equity Index Derivatives :: Equity Index Options

Number of Products 118  
 Number of Series 85,526  
 Launched Products per Month 0

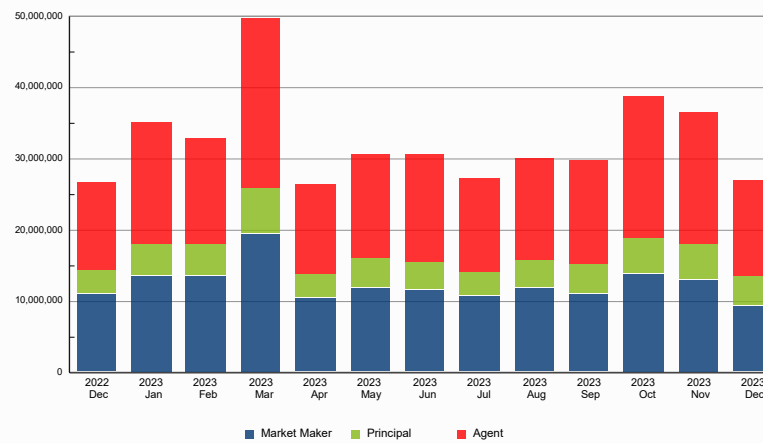
### Volume Development Trend

YoY Change → YTM/YTM prev. Year ←  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ > 25%

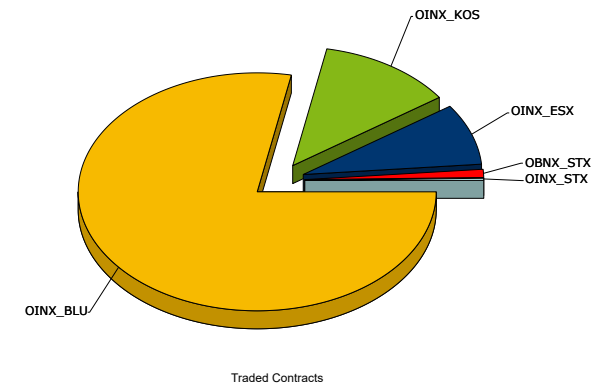
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	26,985,874	0.7%	1,420,309	44.26%	1,275,147	49.4%	35.0%	15.6%	1,169,567	38,498,442	37.66%	62.34%
Nov 2023	36,540,295	-7.4%	1,660,923	46.97%	1,874,647	50.7%	35.7%	13.6%	1,486,547	51,767,757	40.11%	59.89%
Oct 2023	38,903,132	15.6%	1,768,324	44.05%	1,718,822	51.6%	35.2%	13.1%	1,559,286	50,028,625	37.44%	62.56%
Sep 2023	29,795,728	-25.8%	1,418,844	47.26%	1,219,058	48.7%	37.4%	13.8%	1,238,388	46,828,316	36.16%	63.84%
Aug 2023	30,033,721	5.0%	1,305,814	52.32%	1,626,967	47.4%	39.6%	13.0%	1,287,030	48,561,033	38.35%	61.65%
Jul 2023	27,190,579	0.1%	1,294,789	51.70%	1,342,905	48.5%	39.2%	12.3%	1,160,710	46,973,449	39.63%	60.37%
Jun 2023	30,625,453	-11.1%	1,392,066	45.31%	1,283,931	48.9%	38.2%	12.9%	1,240,523	45,026,187	36.24%	63.76%
May 2023	30,627,610	-10.5%	1,392,164	45.37%	1,253,932	47.7%	38.8%	13.4%	1,185,014	53,425,973	34.93%	65.07%
Apr 2023	26,396,386	-5.4%	1,466,466	45.09%	1,099,004	47.1%	39.2%	13.7%	1,019,016	50,931,516	37.51%	62.49%
Mar 2023	49,898,516	-1.4%	2,169,501	42.55%	1,791,945	47.8%	38.8%	13.4%	1,668,951	51,067,486	40.50%	59.50%
Feb 2023	32,959,445	-13.3%	1,647,972	46.02%	1,519,431	45.1%	40.8%	14.1%	1,273,952	52,139,002	35.40%	64.60%
Jan 2023	35,038,227	10.8%	1,592,647	45.15%	1,643,495	48.6%	38.6%	12.8%	1,306,044	47,850,396	40.93%	59.07%
Dec 2022	26,797,227	-5.6%	1,276,058	49.00%	1,437,955	46.5%	41.6%	11.9%	982,897	42,576,141	38.12%	61.88%

### Most Active Products (Traded Contracts)

EURO STOXX 50® Index Options	OESX	19,183,298
EURO STOXX® Banks Options	OESB	2,241,313
KOSPI 200	OKS2	1,565,203
DAX® Options	ODAX	1,225,444
DAILY FUT. ON KOSPI 200 WEEK 1 OPTION	OKW1	401,878
DAILY FUT. ON KOSPI 200 WEEK 3 OPTION	OKW3	332,464
KOSPI 200 MONDAY WEEK 2 OPTION	OKM2	254,876
SMI® Options	OSMI	239,622
EURO STOXX 50 EOD OPTIONS	OEXP	224,117
KOSPI 200 MONDAY WEEK 3 OPTION	OKM3	208,739

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	394,994,966	-4.3%	1,549,000	46.07%	17,649,284	48.5%	38.0%	13.4%	15,595,028	38,877,638	38.07%	61.93%
2022	412,667,137	16.2%	1,605,709	45.32%	18,924,254	48.2%	39.3%	12.6%	14,404,296	42,594,494	42.29%	57.71%
2021	355,236,017	-19.5%	1,387,641	42.57%	10,464,366	43.8%	43.0%	13.2%	12,760,830	42,145,170	41.75%	58.25%
2020	441,396,354	2.3%	1,730,966	43.24%	14,495,679	37.8%	45.6%	16.7%	13,679,464	44,372,629	44.87%	55.13%
2019	431,575,858	3.0%	1,705,833	46.56%	14,211,166	38.7%	43.8%	17.6%	14,240,879	43,593,095	46.12%	53.88%

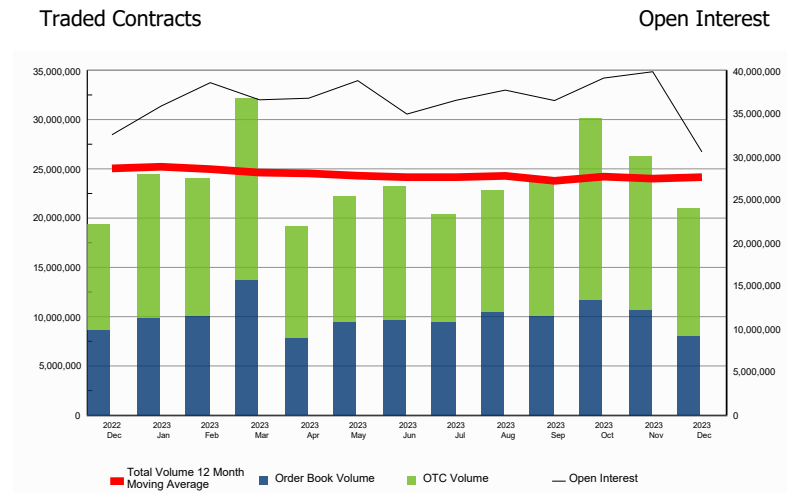
## Equity Index Derivatives :: Equity Index Options :: Equity Index Options

Number of Products 50  
 Number of Series 52,698  
 Launched Products per Month 0

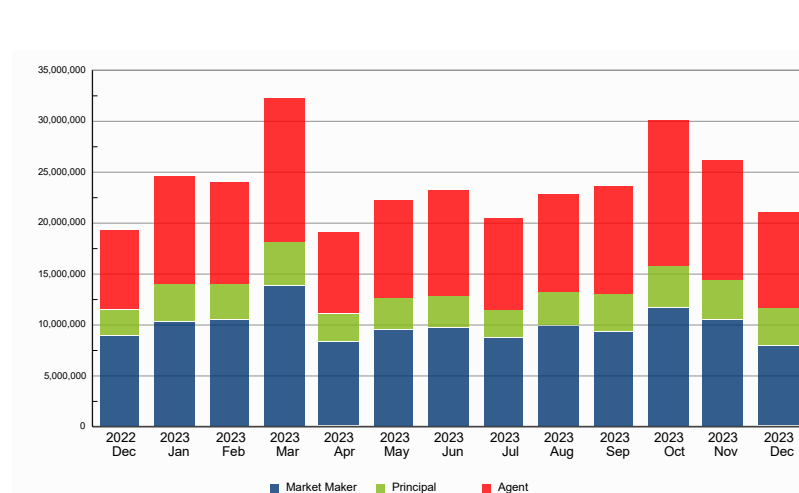
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year ←  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

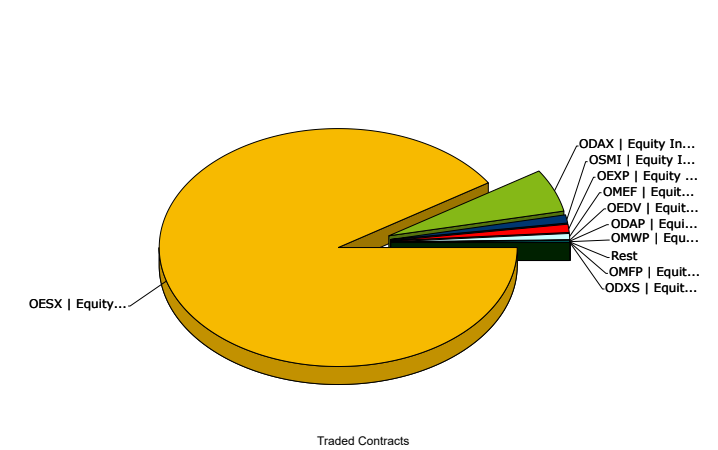
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	21,098,200	9.2%	1,110,432	38.13%	277,501	45.1%	37.9%	17.0%	954,035	30,534,314	34.63%	65.37%
Nov 2023	26,202,250	-8.4%	1,191,011	40.43%	327,100	45.0%	39.8%	15.2%	1,134,405	39,833,698	37.37%	62.63%
Oct 2023	30,188,509	20.3%	1,372,205	38.52%	342,993	47.7%	38.3%	14.0%	1,272,128	39,094,897	35.57%	64.43%
Sep 2023	23,652,775	-20.3%	1,126,323	42.38%	299,969	45.1%	39.7%	15.2%	1,035,840	36,492,381	34.56%	65.44%
Aug 2023	22,767,614	7.3%	989,896	46.14%	314,906	42.2%	43.5%	14.3%	1,008,154	37,703,348	35.78%	64.22%
Jul 2023	20,424,366	0.2%	972,589	45.80%	306,305	44.0%	43.1%	12.8%	907,241	36,521,907	37.54%	62.46%
Jun 2023	23,288,282	-7.2%	1,058,558	41.50%	322,357	45.2%	41.3%	13.5%	1,020,701	34,919,832	31.39%	68.61%
May 2023	22,269,612	-11.3%	1,012,255	42.29%	321,135	43.0%	42.7%	14.4%	972,809	38,800,054	29.83%	70.17%
Apr 2023	19,161,565	-4.9%	1,064,531	41.30%	242,012	42.1%	43.1%	14.7%	836,472	36,760,678	30.90%	69.10%
Mar 2023	32,195,834	-11.6%	1,399,819	42.88%	421,566	43.4%	42.9%	13.7%	1,357,112	36,576,735	32.40%	67.60%
Feb 2023	24,058,515	-10.7%	1,202,926	41.95%	298,328	41.4%	43.9%	14.7%	1,020,968	38,563,818	30.02%	69.98%
Jan 2023	24,562,224	8.7%	1,116,465	40.49%	307,322	43.3%	42.1%	14.5%	1,018,242	35,847,871	35.41%	64.59%
Dec 2022	19,323,030	-13.4%	920,144	44.98%	277,026	40.6%	45.9%	13.4%	762,535	32,520,277	34.36%	65.64%

Most Active Products (Traded Contracts)		
EURO STOXX 50® Index Options	OESX	19,183,298
DAX® Options	ODAX	1,225,444
SMI® Options	OSMI	239,622
EURO STOXX 50 EOD OPTIONS	OEXP	224,117
MSCI EM	OMEF	156,647
EURO STOXX® Select Dividend 30 Index Options	OEDV	27,500
DAX EOD Options	ODAP	16,607
MSCI World	OMWP	7,500
Options on MSCI EAFE (USD, Price)	OMFP	5,450
DEUTSCHER AKTIENINDEX	ODXS	4,702

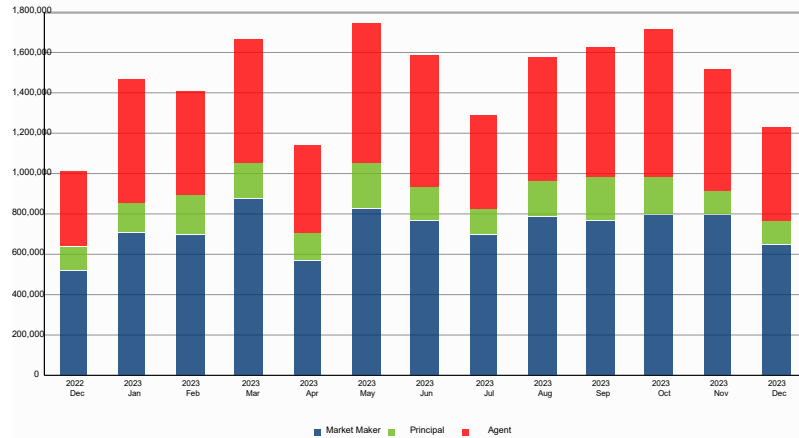
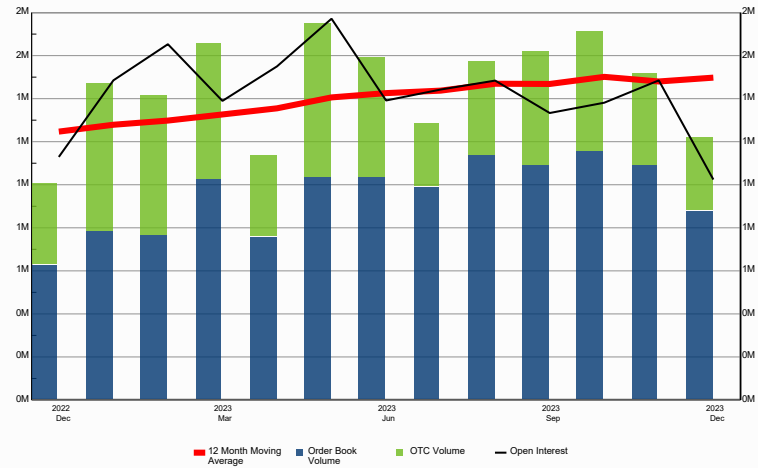
Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	289,869,746	-3.6%	1,136,744	41.74%	3,781,494	44.1%	41.5%	14.5%	12,538,107	30,911,675	33.83%	66.17%
2022	300,557,020	8.8%	1,169,483	41.10%	3,757,386	43.1%	42.8%	14.1%	11,501,216	32,531,843	36.91%	63.09%
2021	276,306,365	-21.6%	1,079,322	43.17%	3,220,986	38.7%	46.9%	14.4%	11,141,914	32,121,879	34.86%	65.14%
2020	352,336,594	5.0%	1,381,712	43.44%	3,714,433	33.3%	49.5%	17.1%	11,997,726	33,701,658	39.73%	60.27%
2019	335,423,564	1.1%	1,325,785	44.96%	3,231,622	34.2%	48.4%	17.4%	12,077,341	35,446,905	41.45%	58.55%

# Eurex Monthly Statistics December 2023

Equity Index Derivatives :: Equity Index Options :: Equity Index Options :: DAX® Options

Number of Series

3,134



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,225,444	21.3%	64,497	71.31%	71,631	37.9%	52.9%	9.2%	98,978	1,024,160	44.08%	55.92%
Nov 2023	1,518,484	-14.5%	69,022	72.05%	90,061	39.9%	52.1%	8.0%	115,829	1,484,926	44.74%	55.26%
Oct 2023	1,715,076	30.0%	77,958	67.40%	91,027	42.7%	46.3%	11.1%	127,666	1,381,233	35.57%	64.43%
Sep 2023	1,622,485	-0.8%	77,261	67.26%	81,004	39.3%	47.0%	13.7%	124,228	1,333,267	38.92%	61.08%
Aug 2023	1,575,045	32.3%	68,480	72.25%	84,254	38.6%	49.8%	11.6%	122,821	1,483,938	39.23%	60.77%
Jul 2023	1,290,913	12.2%	61,472	76.67%	77,881	36.6%	53.6%	9.9%	101,563	1,442,354	43.53%	56.47%
Jun 2023	1,591,887	17.6%	72,359	65.20%	83,207	41.5%	47.9%	10.5%	122,957	1,391,477	37.11%	62.89%
May 2023	1,748,189	53.5%	79,463	59.40%	78,413	40.1%	46.9%	13.1%	133,261	1,771,388	33.55%	66.45%
Apr 2023	1,140,292	42.7%	63,350	66.49%	49,786	38.0%	50.0%	11.9%	86,119	1,549,931	35.21%	64.79%
Mar 2023	1,662,002	25.9%	72,261	61.78%	72,170	36.6%	52.8%	10.6%	121,614	1,389,525	34.14%	65.86%
Feb 2023	1,412,484	19.7%	70,624	54.37%	51,108	36.7%	49.5%	13.8%	104,136	1,652,955	35.53%	64.47%
Jan 2023	1,469,511	35.2%	66,796	53.09%	55,594	41.6%	48.0%	10.4%	104,511	1,485,001	36.63%	63.37%
Dec 2022	1,010,550	18.7%	48,121	61.77%	45,672	37.2%	51.2%	11.7%	68,382	1,129,335	31.71%	68.29%

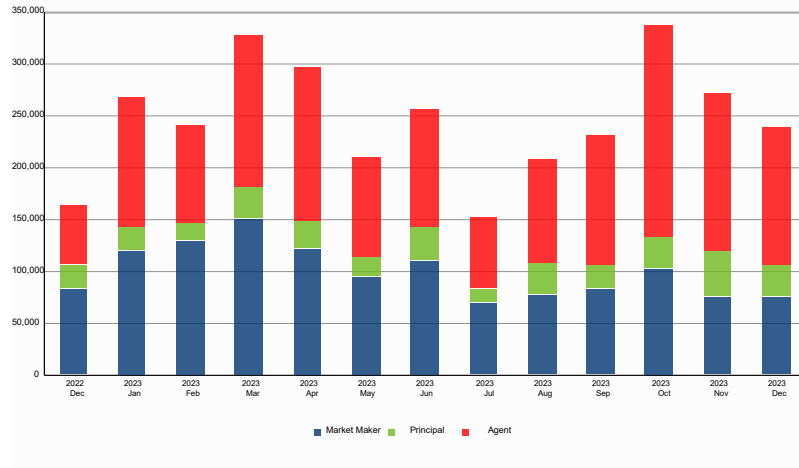
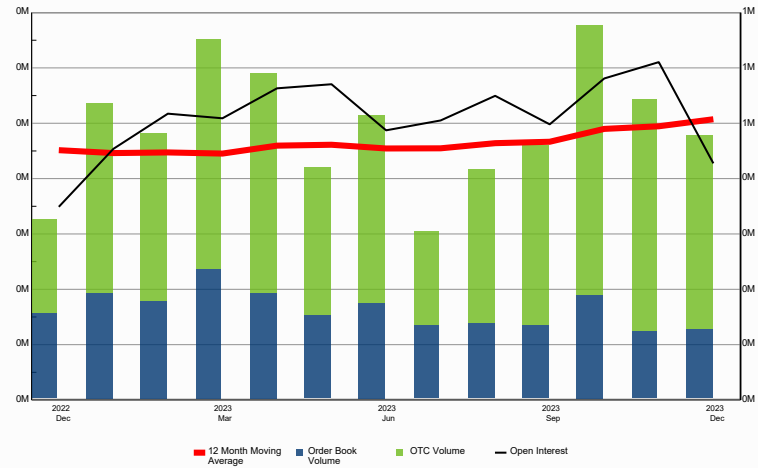
Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	17,971,812	0.0%	70,478	65.39%	886,136	39.2%	49.6%	11.2%	1,363,683	1,024,160	37.99%	62.01%
2022	14,962,767	0.0%	58,221	64.12%	674,199	41.7%	47.3%	11.0%	1,001,927	1,129,335	36.46%	63.54%
2021	13,639,935	0.0%	53,281	67.18%	597,625	37.3%	51.3%	11.4%	980,267	796,096	35.70%	64.30%
2020	23,731,926	0.0%	93,066	72.39%	854,540	29.8%	58.7%	11.6%	1,409,654	1,255,914	42.09%	57.91%
2019	29,386,511	0.0%	116,152	68.17%	894,876	33.5%	56.0%	10.5%	1,750,844	2,267,970	46.98%	53.02%

# Eurex Monthly Statistics December 2023

Equity Index Derivatives :: Equity Index Options :: Equity Index Options :: SMI® Options

Number of Series

2,120



Month	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	239,622	46.4%	12,612	26.50%	3,287	55.3%	31.2%	13.5%	27,012	427,545	41.25%	58.75%
Nov 2023	272,638	11.6%	12,393	22.86%	4,097	56.1%	27.7%	16.2%	29,778	610,457	48.05%	51.95%
Oct 2023	338,375	70.1%	15,381	27.91%	4,626	60.5%	30.3%	9.2%	37,258	580,959	48.82%	51.18%
Sep 2023	230,712	7.2%	10,986	29.05%	3,470	54.2%	35.7%	10.1%	25,999	498,065	42.79%	57.21%
Aug 2023	208,134	36.4%	9,049	33.08%	3,739	47.9%	37.4%	14.7%	23,296	549,555	44.82%	55.18%
Jul 2023	153,340	1.2%	7,302	43.83%	3,994	45.6%	45.4%	9.0%	17,604	505,045	56.02%	43.98%
Jun 2023	257,447	-13.5%	11,702	34.05%	4,815	44.3%	42.8%	12.9%	29,228	487,206	45.33%	54.67%
May 2023	209,767	4.7%	9,535	36.71%	5,046	45.5%	45.4%	9.1%	23,903	570,495	42.86%	57.14%
Apr 2023	296,151	41.0%	16,453	32.32%	5,558	49.7%	41.1%	9.2%	33,132	563,093	47.58%	52.42%
Mar 2023	326,955	-3.7%	14,215	36.28%	7,330	44.7%	46.3%	9.0%	34,793	508,982	41.67%	58.33%
Feb 2023	241,263	2.9%	12,063	36.65%	4,707	39.0%	53.3%	7.7%	26,750	517,322	52.24%	47.76%
Jan 2023	268,883	-10.4%	12,222	35.69%	5,780	46.8%	44.7%	8.5%	29,077	453,745	43.82%	56.18%
Dec 2022	163,647	-33.5%	7,793	48.02%	4,779	34.8%	51.2%	13.9%	17,511	349,026	36.34%	63.66%

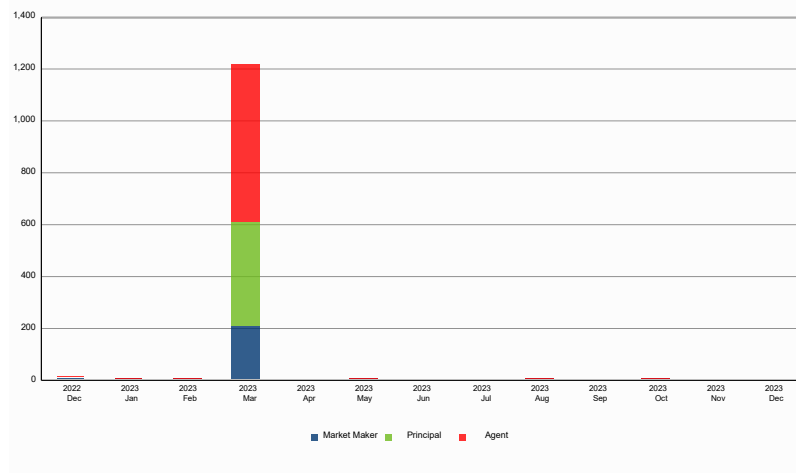
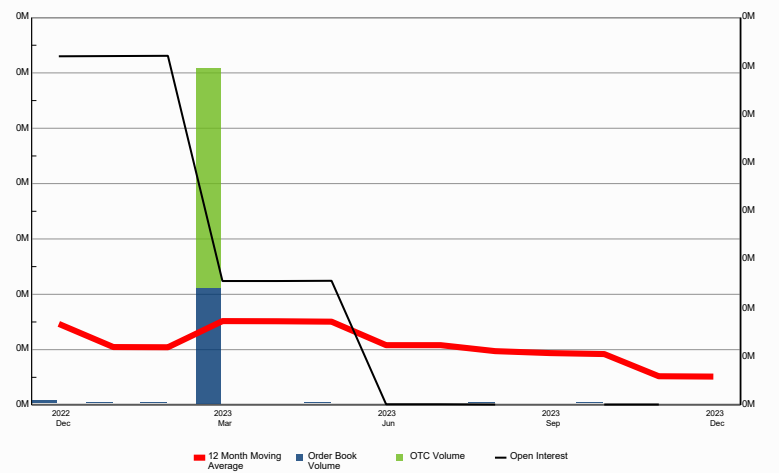
Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	3,043,287	0.0%	11,934	32.42%	56,449	49.5%	39.7%	10.7%	337,828	427,545	46.02%	53.98%
2022	2,708,077	0.0%	10,537	50.97%	81,702	39.8%	51.5%	8.6%	295,353	349,026	39.58%	60.42%
2021	3,265,270	0.0%	12,755	54.71%	95,478	38.4%	53.3%	8.3%	334,113	391,985	37.21%	62.79%
2020	4,435,551	0.0%	17,394	68.53%	145,712	32.6%	57.7%	9.7%	401,512	461,080	36.66%	63.34%
2019	4,249,292	0.0%	16,796	75.24%	148,067	32.9%	61.1%	6.0%	355,175	601,679	35.18%	64.82%

# Eurex Monthly Statistics December 2023

Equity Index Derivatives :: Equity Index Options :: Equity Index Options :: STOXX® Europe 50 Index Options

Number of Series

522



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023		-100.0%										
Nov 2023		-100.0%								2		
Oct 2023	2	-95.6%	0	100.00%	1	50.0%	50.0%	0.0%	0	2	100.00%	
Sep 2023		-100.0%										
Aug 2023	1	-99.6%	0	100.00%	1	50.0%	50.0%	0.0%	0	2	100.00%	
Jul 2023										3		
Jun 2023		-100.0%								3		
May 2023	3	-85.7%	0	100.00%	3	50.0%	50.0%	0.0%	0	513	66.67% 33.33%	
Apr 2023		-100.0%								512		
Mar 2023	1,221	1303.4%	53	34.48%	8	50.0%	17.2%	32.8%	41	512	18.02% 81.98%	
Feb 2023	4	-66.7%	0	100.00%	4	50.0%	50.0%	0.0%	0	1,442	50.00% 50.00%	
Jan 2023	1	-99.9%	0	100.00%	1	50.0%	50.0%	0.0%	0	1,441	100.00%	
Dec 2022	15	-65.1%	1	100.00%	1	50.0%	50.0%	0.0%	1	1,440	100.00%	

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	1,232	0.0%	5	35.06%	18	50.0%	17.5%	32.5%	41	2	18.18% 81.82%	
2022	3,517	0.0%	14	36.03%	99	63.9%	36.1%	0.0%	117	1,440	8.50% 91.50%	
2021	2,090	0.0%	8	100.00%	53	50.0%	50.0%	0.0%	68	522	1.29% 98.71%	
2020	1,364	0.0%	5	63.34%	99	68.3%	31.7%	0.0%	39	564	5.06% 94.94%	
2019	5,734	0.0%	23	48.55%	93	49.8%	50.2%	0.0%	159	4,966	1.05% 98.95%	

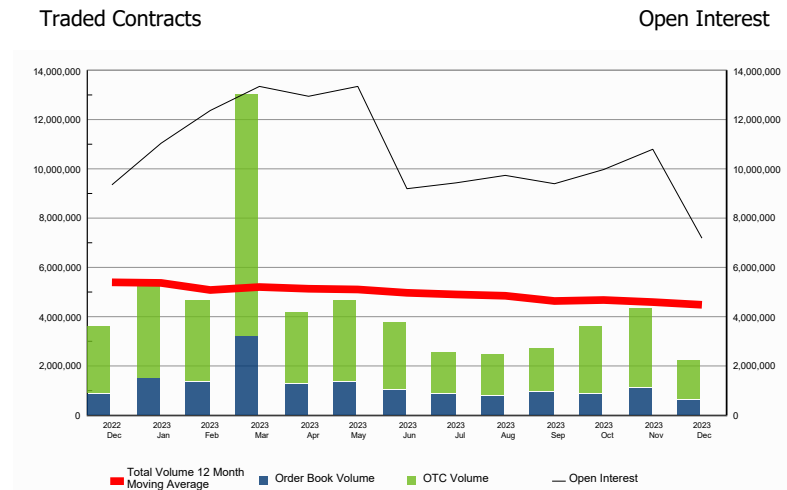
## Equity Index Derivatives :: Equity Index Options :: EURO STOXX® Sector Index Options

Number of Products 23  
 Number of Series 12,323  
 Launched Products per Month 0

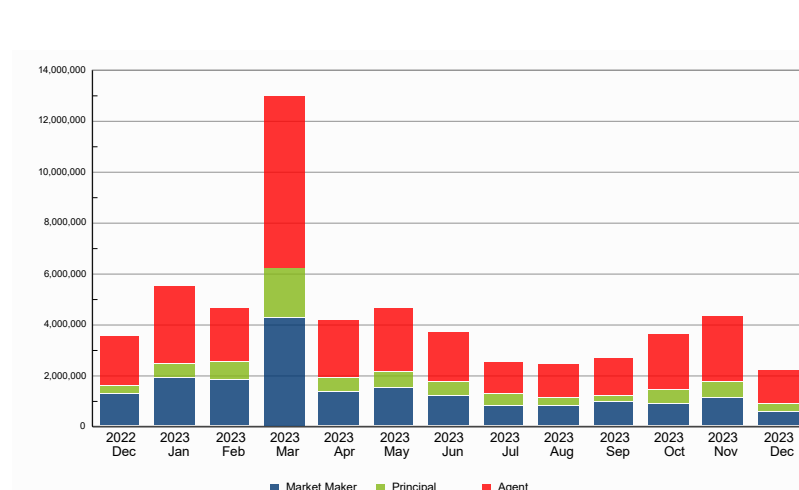
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

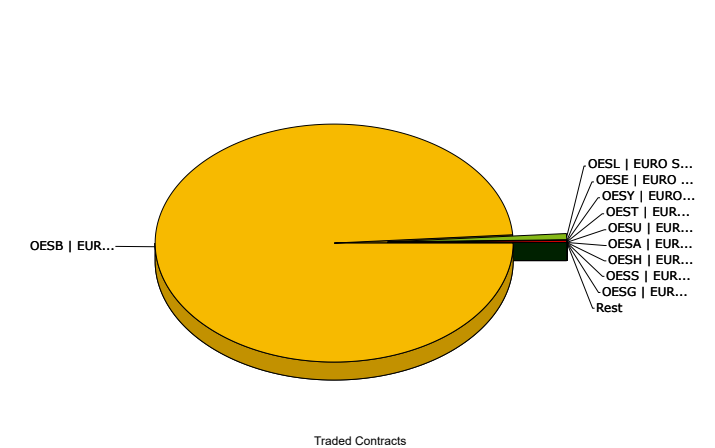
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	2,263,553	-36.8%	119,134	25.81%	1,701	59.0%	25.7%	15.3%	12,935	7,186,893	48.38%	51.62%
Nov 2023	4,345,762	-18.9%	197,535	25.32%	2,354	60.2%	26.2%	13.6%	23,785	10,794,788	44.61%	55.39%
Oct 2023	3,637,515	15.5%	165,342	22.40%	1,907	60.4%	24.1%	15.4%	18,922	9,971,711	36.57%	63.43%
Sep 2023	2,704,414	-48.6%	128,782	35.94%	2,728	54.3%	34.8%	10.9%	14,375	9,395,434	34.35%	65.65%
Aug 2023	2,441,141	-20.8%	106,137	32.87%	2,511	52.8%	32.8%	14.4%	13,527	9,734,810	44.78%	55.22%
Jul 2023	2,530,055	-24.0%	120,479	32.51%	3,085	50.0%	33.0%	17.0%	13,320	9,432,248	45.46%	54.54%
Jun 2023	3,753,980	-30.4%	170,635	27.61%	4,760	53.5%	32.6%	13.9%	19,635	9,193,468	54.20%	45.80%
May 2023	4,678,423	-7.0%	212,656	29.49%	3,426	54.1%	32.8%	13.1%	24,348	13,346,339	51.20%	48.80%
Apr 2023	4,223,254	-16.5%	234,625	29.36%	3,765	53.8%	32.8%	13.3%	22,290	12,945,505	60.23%	39.77%
Mar 2023	13,010,851	12.6%	565,689	24.78%	11,353	52.2%	32.8%	15.0%	68,092	13,345,985	58.24%	41.76%
Feb 2023	4,683,548	-42.5%	234,177	28.74%	4,290	44.9%	39.1%	15.9%	26,100	12,367,834	51.55%	48.45%
Jan 2023	5,512,400	-5.1%	250,564	27.71%	3,391	55.7%	34.5%	9.8%	28,469	11,039,673	55.63%	44.37%
Dec 2022	3,580,977	-0.1%	170,523	24.22%	1,757	54.5%	35.8%	9.7%	16,444	9,351,258	42.65%	57.35%

### Most Active Products (Traded Contracts)

EURO STOXX® Banks Options	OESB	2,241,313
EURO STOXX® Real Estate Options	OESL	16,300
EURO STOXX® Oil & Gas Options	OESE	2,165
EURO STOXX® Technology Options	OESY	1,610
EURO STOXX® Telecommunications Options	OEST	1,285
EURO STOXX® Utilities Options	OESU	645
EURO STOXX® Automobiles & Parts Options	OESA	110
EURO STOXX® Health Care Options	OESH	63
EURO STOXX® Basic Resources Options	OESS	23
EURO STOXX® Industrial Goods & Services Options	OESG	22

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	53,784,896	-16.9%	210,921	27.61%	45,271	53.8%	32.2%	14.0%	285,797	7,187,032	51.26%	48.74%
2022	64,731,558	14.3%	251,874	32.24%	58,834	58.7%	31.9%	9.5%	306,157	9,352,002	61.38%	38.62%
2021	56,627,723	-5.5%	221,202	26.65%	48,607	58.7%	30.5%	10.8%	270,097	9,141,638	69.90%	30.10%
2020	59,925,110	1.8%	235,000	19.18%	48,134	50.8%	30.7%	18.5%	221,057	9,969,816	71.01%	28.99%
2019	58,877,212	24.6%	232,716	24.96%	57,362	49.8%	26.6%	23.6%	280,490	7,629,309	68.53%	31.47%

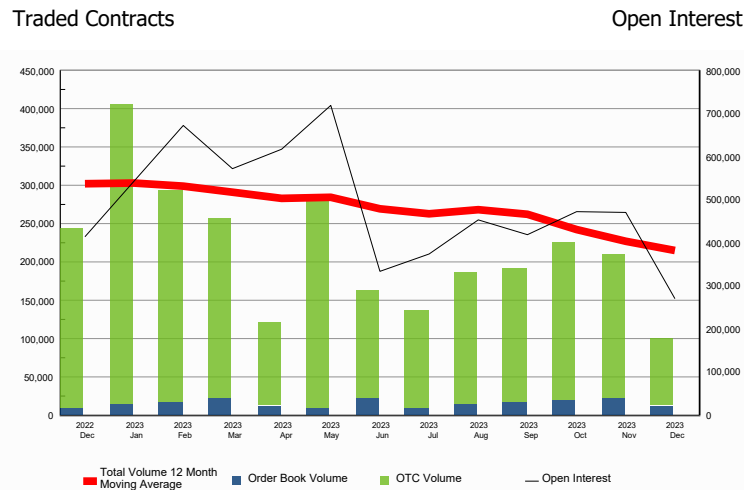
## Equity Index Derivatives :: Equity Index Options :: STOXX® Europe 600 Sector Index Options

Number of Products 23  
 Number of Series 9,119  
 Launched Products per Month 0

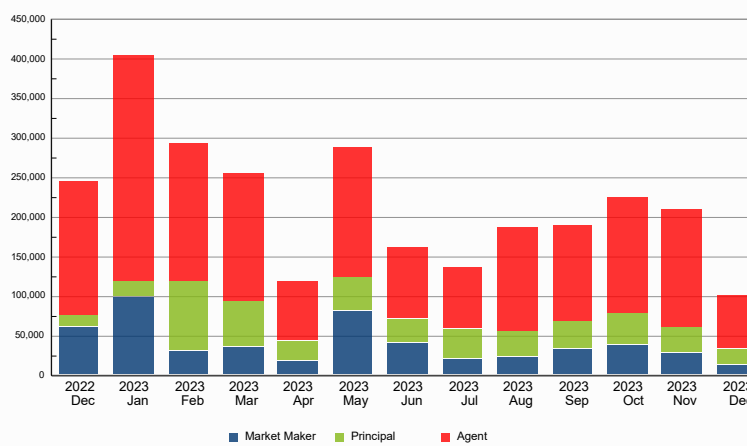
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

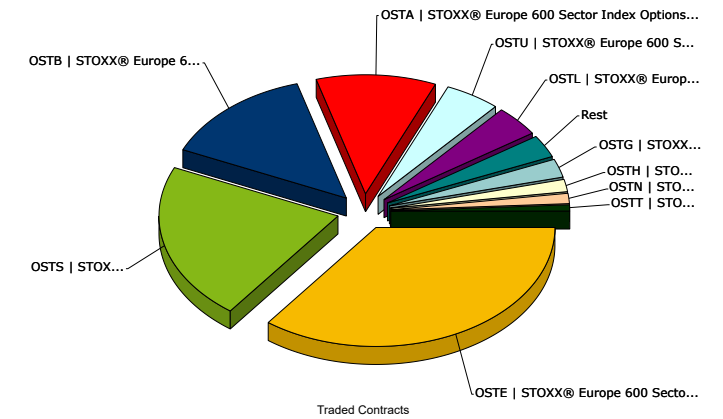
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	100,659	-58.9%	5,298	12.30%	634	65.4%	14.0%	20.7%	2,116	270,330	44.12%	55.88%
Nov 2023	209,431	-46.7%	9,520	11.18%	968	70.8%	13.8%	15.4%	4,969	470,339	48.42%	51.58%
Oct 2023	225,539	-51.5%	10,252	8.25%	965	65.0%	17.7%	17.2%	4,686	472,122	46.74%	53.26%
Sep 2023	191,351	-27.2%	9,112	8.74%	786	64.3%	17.9%	17.9%	4,312	418,741	52.19%	47.81%
Aug 2023	187,272	52.1%	8,142	7.27%	689	69.8%	12.2%	18.0%	4,960	453,099	44.66%	55.34%
Jul 2023	137,933	-36.2%	6,568	7.10%	389	56.7%	15.6%	27.7%	4,251	373,949	35.41%	64.59%
Jun 2023	163,395	-52.4%	7,427	13.29%	763	56.3%	25.2%	18.5%	3,682	333,673	56.06%	43.94%
May 2023	287,685	6.2%	13,077	3.01%	506	56.3%	28.6%	15.1%	4,903	718,585	54.76%	45.24%
Apr 2023	120,760	-44.5%	6,709	10.30%	555	64.6%	15.7%	19.7%	3,107	616,939	40.55%	59.45%
Mar 2023	256,068	-27.0%	11,133	9.00%	982	63.0%	14.3%	22.7%	6,501	571,849	42.17%	57.83%
Feb 2023	294,100	-14.0%	14,705	5.43%	807	59.5%	10.6%	29.8%	5,187	672,044	66.77%	33.23%
Jan 2023	404,797	2.6%	18,400	3.76%	752	70.4%	24.7%	4.9%	6,120	543,025	67.75%	32.25%
Dec 2022	244,998	30.6%	11,667	3.50%	372	68.5%	25.2%	6.3%	3,346	413,911	65.43%	34.57%

### Most Active Products (Traded Contracts)

STOXX® Europe 600 Oil & Gas Options	OSTE	35,530
STOXX® Europe 600 Basic Resources Options	OSTS	21,544
STOXX® Europe 600 Banks Options	OSTB	13,899
STOXX® Europe 600 Automobiles & Parts Options	OSTA	10,909
STOXX® Europe 600 Utilities Options	OSTU	4,972
STOXX® Europe 600 Real Estate Options	OSTL	4,252
STOXX® Europe 600 Industrial Goods & Services Options	OSTG	2,616
STOXX® Europe 600 Health Care Options	OSTH	1,752
STOXX® Europe 600 Construction & Materials Options	OSTN	1,269
STOXX® Europe 600 Telecommunications Options	OSTT	913

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	2,578,990	-28.8%	10,114	7.43%	8,796	63.8%	18.3%	17.9%	54,793	271,826	52.75%	47.25%
2022	3,624,037	17.1%	14,101	8.50%	9,484	64.9%	22.0%	13.1%	53,844	416,704	54.93%	45.07%
2021	3,093,868	89.8%	12,085	11.67%	12,552	71.3%	14.5%	14.2%	51,999	432,496	71.73%	28.27%
2020	1,630,218	6.3%	6,393	10.97%	7,115	62.9%	14.9%	22.2%	21,575	336,890	54.75%	45.25%
2019	1,533,438	6.8%	6,061	10.65%	6,548	56.7%	17.6%	25.8%	23,459	373,100	52.77%	47.23%



## Equity Index Derivatives :: Equity Index Options :: Eurex KOSPI Product

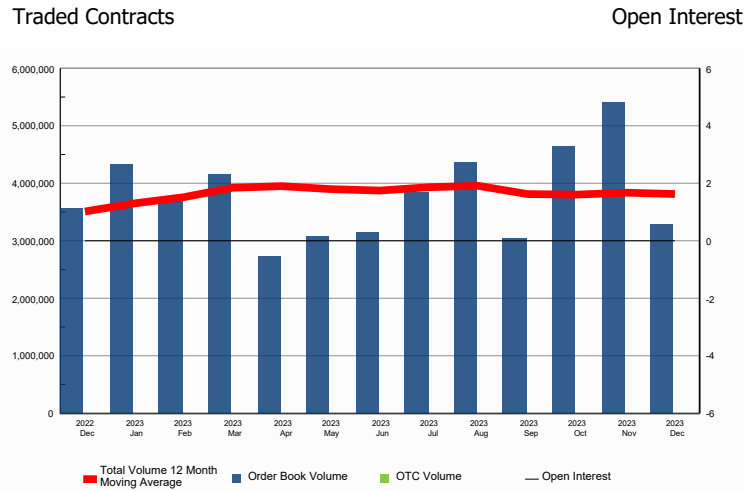
Number of Products	10
Number of Series	2,284
Launched Products per Month	0

### Volume Development Trend

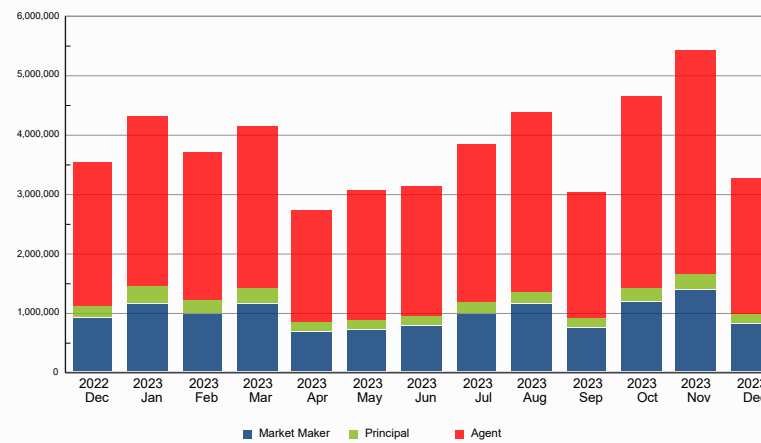
MoM Change ↓ YTM/YTM prev. Year →

↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

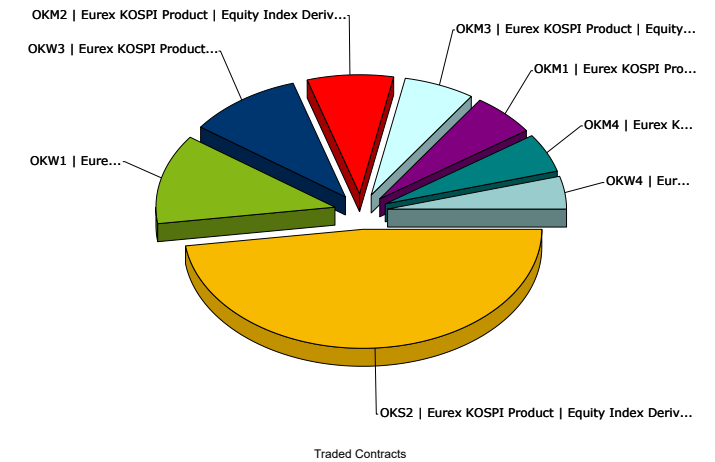
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts			No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	3,273,398	-8.0%	172,284	994,844	69.4%	25.3%	5.3%	195,332	0	48.36%	51.64%
Nov 2023	5,425,373	8.2%	246,608	1,543,804	69.1%	25.8%	5.1%	315,760	0	49.70%	50.30%
Oct 2023	4,652,058	-2.4%	211,457	1,372,412	69.5%	25.6%	4.9%	259,442	0	50.09%	49.91%
Sep 2023	3,056,525	-36.0%	145,549	915,314	70.0%	25.1%	4.9%	179,923	0	47.85%	52.15%
Aug 2023	4,379,410	6.9%	190,409	1,308,291	68.7%	26.4%	4.9%	254,856	0	48.08%	51.92%
Jul 2023	3,857,931	22.1%	183,711	1,032,640	69.3%	25.3%	5.4%	230,656	0	46.97%	53.03%
Jun 2023	3,133,450	-8.6%	142,430	955,600	69.2%	24.9%	5.9%	190,493	0	49.17%	50.83%
May 2023	3,073,571	-16.9%	139,708	928,539	71.0%	23.2%	5.9%	176,361	0	47.28%	52.72%
Apr 2023	2,726,180	14.1%	151,454	852,495	68.8%	24.9%	6.3%	153,925	0	48.47%	51.53%
Mar 2023	4,152,593	91.7%	180,548	1,357,630	65.9%	28.1%	6.0%	231,606	0	48.20%	51.80%
Feb 2023	3,703,452	53.3%	185,173	1,215,645	66.5%	27.0%	6.5%	217,103	0	48.64%	51.36%
Jan 2023	4,320,955	63.7%	196,407	1,331,737	66.5%	26.8%	6.7%	248,794	0	51.21%	48.79%
Dec 2022	3,558,924	73.0%	169,473	1,158,588	68.5%	25.4%	6.1%	199,132	0	51.57%	48.43%

Most Active Products (Traded Contracts)		
KOSPI 200	OKS2	1,565,203
DAILY FUT. ON KOSPI 200 WEEK 1 OPTION	OKW1	401,878
DAILY FUT. ON KOSPI 200 WEEK 3 OPTION	OKW3	332,464
KOSPI 200 MONDAY WEEK 2 OPTION	OKM2	254,876
KOSPI 200 MONDAY WEEK 3 OPTION	OKM3	208,739
KOSPI 200 MONDAY WEEK 1 OPTION	OKM1	191,465
KOSPI 200 MONDAY WEEK 4 OPTION	OKM4	174,208
DAILY FUT. ON KOSPI 200 WEEK 4 OPTION	OKW4	144,565

Year	Traded Contracts			No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average		Agent	Market Maker	Principal			Calls	Puts
2023	45,754,896	8.7%	179,431	13,808,951	68.6%	25.8%	5.6%	2,654,251	0	48.78%	51.22%
2022	42,110,152	156.3%	163,853	15,094,957	66.6%	27.4%	6.0%	2,509,952	0	50.12%	49.88%
2021	16,429,015	-36.9%	64,176	7,179,947	70.2%	29.3%	0.5%	1,238,279	0	50.85%	49.15%
2020	26,046,645	-26.1%	102,144	10,723,765	65.0%	30.2%	4.9%	1,413,598	0	53.80%	46.20%
2019	35,236,582	-8.7%	139,275	10,914,560	62.0%	29.2%	8.9%	1,850,474	0	53.14%	46.86%

## Equity Index Derivatives :: Equity Index Options :: EURO STOXX® Broadbased and Size Index Options

Number of Products	4
Number of Series	1,786
Launched Products per Month	0

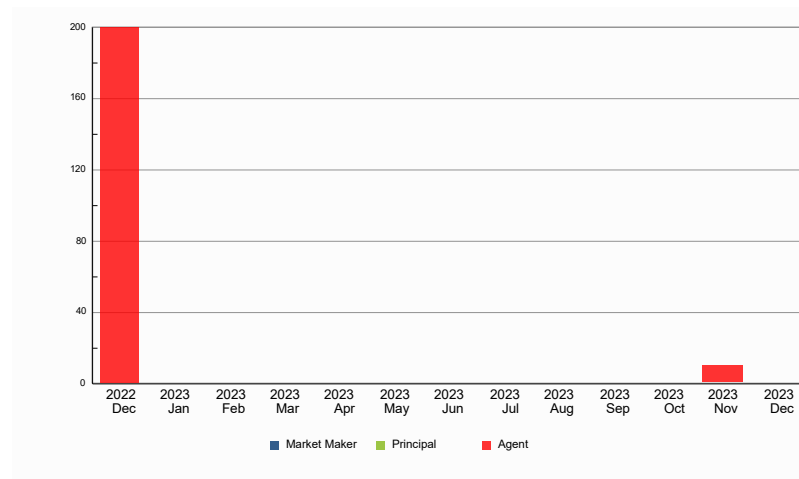
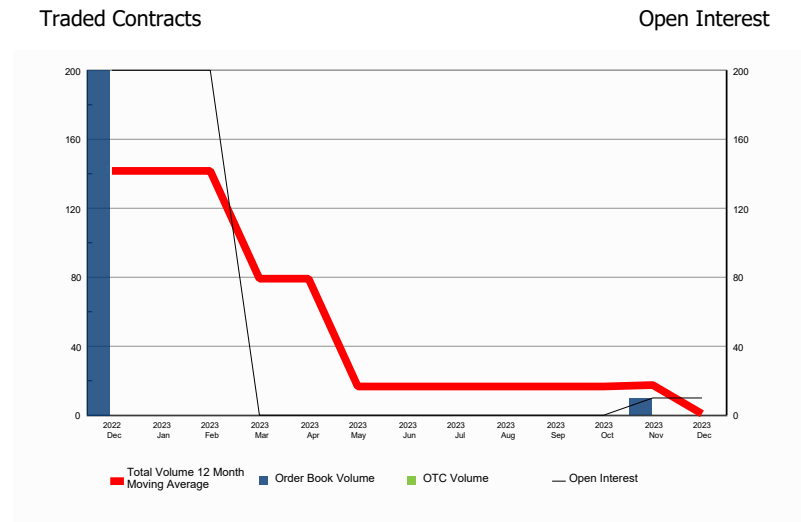
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

### Traded Contracts & Open Interest

### Traded Contracts by Account Type

### Traded Contracts by Product



No contract volume for reporting period

Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	0	-100.0%			0				<1	10		
Nov 2023	10		0	100.00%	1	100.0%	0.0%	0.0%	<1	10		100.00%
May 2023	0	-100.0%			0				<1	0		
Mar 2023	0	-100.0%			0				<1	0		
Feb 2023	0				0				<1	200		
Jan 2023	0				0				<1	200		
Dec 2022	200		10	100.00%	2	100.0%	0.0%	0.0%	3	200		100.00%

### Most Active Products (Traded Contracts)

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	10	-99.4%	0	100.00%	1	100.0%	0.0%	0.0%	<1	210		100.00%
2022	1,700		7	11.76%	9	77.9%	0.0%	22.1%	33	950		100.00%

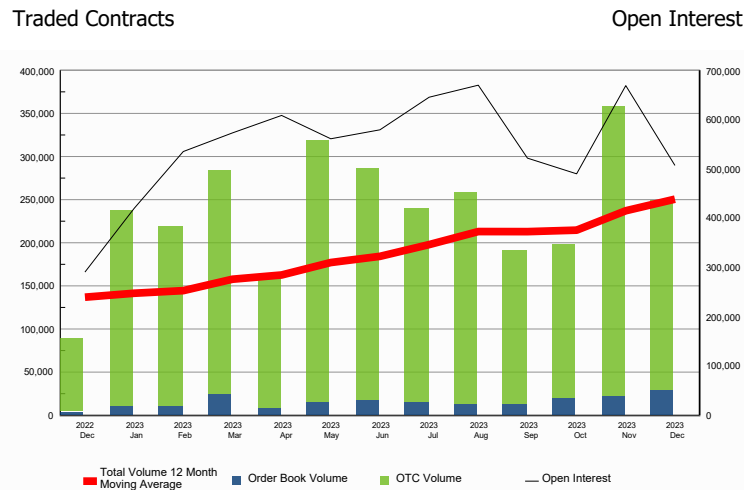
## Equity Index Derivatives :: Equity Index Options :: STOXX® Europe 600 Broadbased and Size Index Options

Number of Products 8  
 Number of Series 7,316  
 Launched Products per Month 0

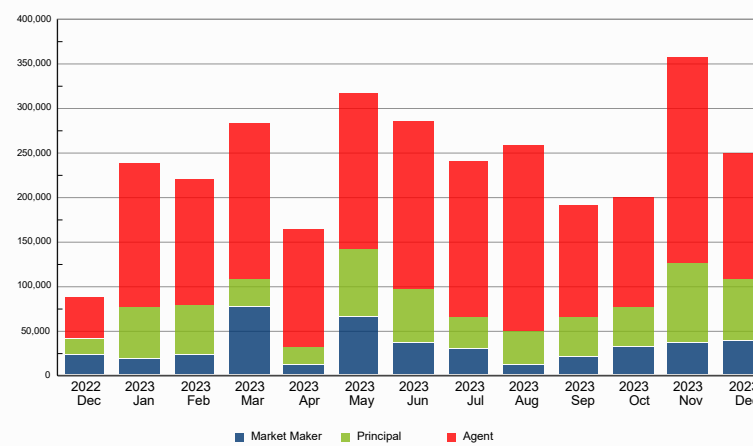
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

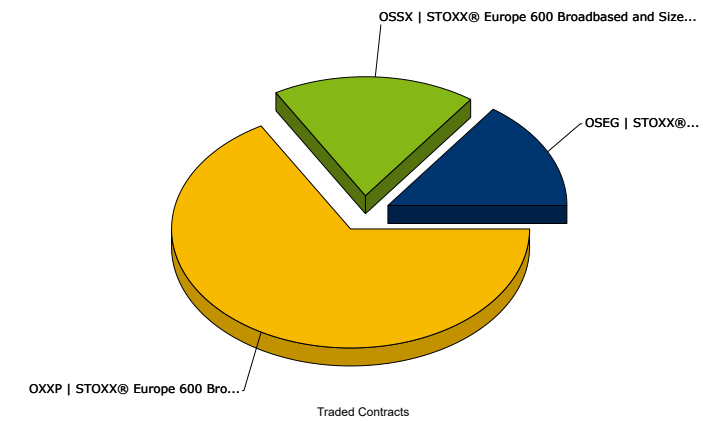
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	250,064	180.7%	13,161	11.35%	467	56.9%	15.9%	27.2%	5,148	506,895	53.79%	46.21%
Nov 2023	357,469	308.5%	16,249	6.05%	420	64.7%	10.4%	24.9%	7,629	668,922	35.86%	64.14%
Oct 2023	199,511	11.7%	9,069	10.26%	545	61.6%	16.4%	22.0%	4,109	489,895	31.85%	68.15%
Sep 2023	190,663	-0.7%	9,079	6.66%	261	65.2%	11.3%	23.4%	3,938	521,760	56.52%	43.48%
Aug 2023	258,284	236.2%	11,230	4.94%	570	80.6%	5.0%	14.5%	5,534	669,776	34.33%	65.67%
Jul 2023	240,294	212.2%	11,443	5.90%	486	72.4%	12.0%	15.6%	5,240	645,345	40.49%	59.51%
Jun 2023	286,346	43.1%	13,016	6.43%	451	65.9%	12.8%	21.3%	6,013	579,214	42.27%	57.73%
May 2023	318,319	119.6%	14,469	5.10%	326	55.1%	21.0%	23.9%	6,592	560,995	15.29%	84.71%
Apr 2023	164,627	55.8%	9,146	5.01%	177	80.4%	6.7%	12.8%	3,222	608,394	41.12%	58.88%
Mar 2023	283,170	127.8%	12,312	8.56%	414	62.0%	27.6%	10.4%	5,640	572,917	31.65%	68.35%
Feb 2023	219,830	19.7%	10,992	4.71%	361	63.4%	10.8%	25.7%	4,595	535,106	15.06%	84.94%
Jan 2023	237,851	30.0%	10,811	4.55%	293	68.0%	7.6%	24.4%	4,420	419,627	37.35%	62.65%
Dec 2022	89,098	-64.6%	4,243	4.41%	210	53.4%	27.1%	19.5%	1,438	290,495	59.68%	40.32%

Most Active Products (Traded Contracts)		
STOXX® Europe 600	OXXP	166,679
EURO STOXX 50 ESG	OSSX	46,110
STXE 600 ESG-X	OSEG	37,275

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	3,006,428	83.0%	11,790	6.60%	4,771	65.7%	13.5%	20.7%	62,080	506,895	35.56%	64.44%
2022	1,642,670	-40.9%	6,392	10.71%	3,584	58.2%	21.1%	20.7%	33,094	292,995	43.92%	56.08%
2021	2,779,046	90.6%	10,856	2.92%	2,274	60.8%	19.6%	19.6%	58,541	449,157	65.88%	34.12%
2020	1,457,787	188.6%	5,717	7.13%	2,232	55.8%	17.0%	27.2%	25,508	364,265	43.79%	56.21%
2019	505,062	153.9%	1,996	8.48%	1,074	61.0%	23.5%	15.5%	9,114	143,781	30.09%	69.91%

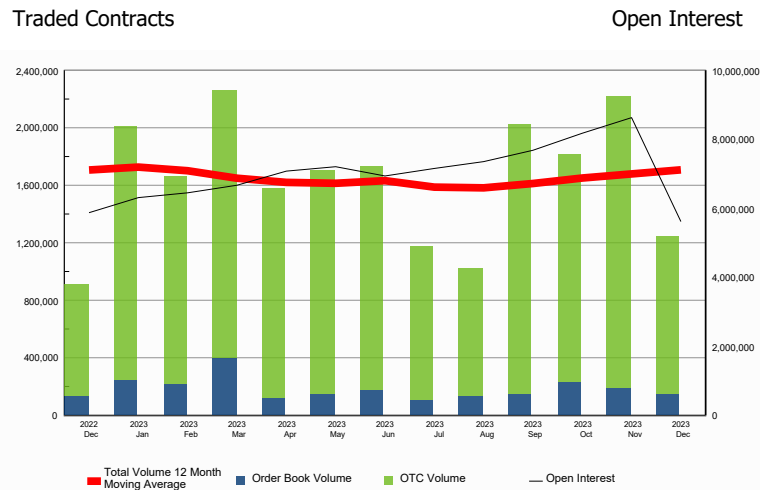
## Dividend Derivatives

Number of Products	344
Number of Series	3,688
Launched Products per Month	0

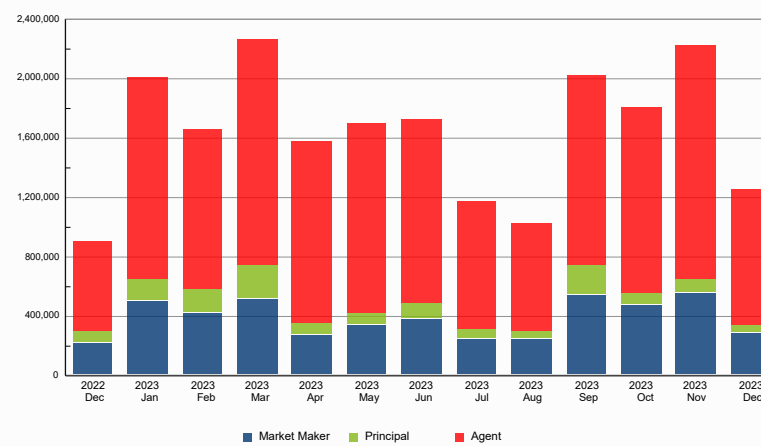
## Volume Development Trend

YoY Change ↑ YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

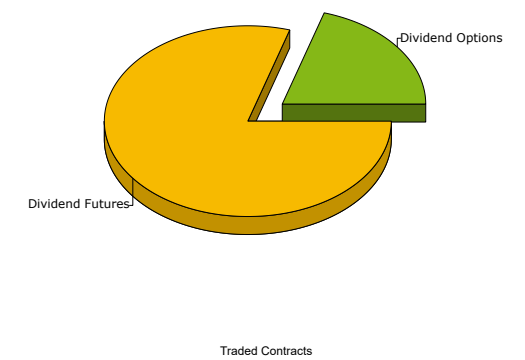
## Traded Contracts & Open Interest



## Traded Contracts by Account Type



## Traded Contracts by Product Type



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Options	Futures
Dec 2023	1,250,588	37.4%	65,820	12.07%	11,806	72.4%	23.0%	4.6%	10,388	5,615,046	20.41%	79.59%
Nov 2023	2,226,533	18.1%	101,206	8.69%	19,927	70.9%	25.2%	3.9%	15,395	8,627,160	18.86%	81.14%
Oct 2023	1,813,350	33.8%	82,425	12.39%	25,637	69.1%	26.1%	4.8%	12,461	8,175,585	18.38%	81.62%
Sep 2023	2,030,578	21.7%	96,694	7.12%	16,385	63.6%	26.7%	9.7%	12,294	7,680,820	24.57%	75.43%
Aug 2023	1,029,760	-5.6%	44,772	13.43%	11,865	71.2%	24.1%	4.7%	7,563	7,352,242	20.88%	79.12%
Jul 2023	1,176,569	-31.4%	56,027	9.31%	9,345	72.9%	21.5%	5.7%	7,153	7,153,958	13.55%	86.45%
Jun 2023	1,730,384	14.5%	78,654	10.26%	14,883	71.7%	22.4%	6.0%	11,652	6,936,298	17.56%	82.44%
May 2023	1,702,933	-4.2%	77,406	8.74%	14,075	75.0%	19.8%	5.1%	10,074	7,204,765	15.89%	84.11%
Apr 2023	1,575,917	-18.1%	87,551	7.67%	11,718	77.1%	17.1%	5.7%	8,164	7,076,719	17.17%	82.83%
Mar 2023	2,266,939	-21.6%	98,563	17.80%	21,956	67.2%	22.7%	10.0%	17,308	6,667,694	18.24%	81.76%
Feb 2023	1,666,363	-15.4%	83,318	12.73%	14,329	65.2%	25.4%	9.4%	12,101	6,448,326	22.14%	77.86%
Jan 2023	2,017,958	13.6%	91,725	12.27%	21,528	67.4%	25.1%	7.5%	14,603	6,308,874	21.86%	78.14%
Dec 2022	909,975	26.2%	43,332	14.74%	14,740	66.4%	24.5%	9.1%	6,628	5,871,992	18.83%	81.17%

## Most Active Products (Traded Contracts)

EURO STOXX 50@ Index	Future	FEXD	367,559
Dividend Futures			
EURO STOXX 50 Index	Option	OEXD	255,263
Dividend Options			
EURO STOXX@ Banks	Future	FEBD	114,092
Index Dividend Futures			
Intesa Sanpaolo	Future	I3ES	96,317
Vodafone Group DIV EUR	Future	V2OE	55,500
Orange	Future	F3TE	44,812
Nokia Corp. Oyj Div.	Future	N4OA	25,895
Banco Santander S.A.	Future	S3SD	24,600
DIVIDENDS			
TOTALENERGIES SE	Future	T3OT	23,445
DIVIDENDS			
Crédit Agricole	Future	X2CA	23,368

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Options	Futures
2023	20,487,872	0.1%	80,345	11.09%	193,454	69.9%	23.5%	6.6%	139,158	5,679,150	19.28%	80.72%
2022	20,474,551	19.8%	79,668	16.10%	235,263	64.7%	26.1%	9.2%	126,178	5,978,728	16.99%	83.01%
2021	17,095,139	-10.4%	66,778	11.89%	136,227	65.0%	27.6%	7.4%	76,283	5,853,154	14.72%	85.28%
2020	19,078,867	15.8%	74,819	23.84%	294,313	56.6%	31.7%	11.8%	105,620	5,981,972	13.56%	86.44%
2019	16,475,056	0.2%	65,119	18.97%	146,637	54.5%	36.3%	9.2%	110,089	5,850,897	14.58%	85.42%

## Dividend Derivatives :: Dividend Futures

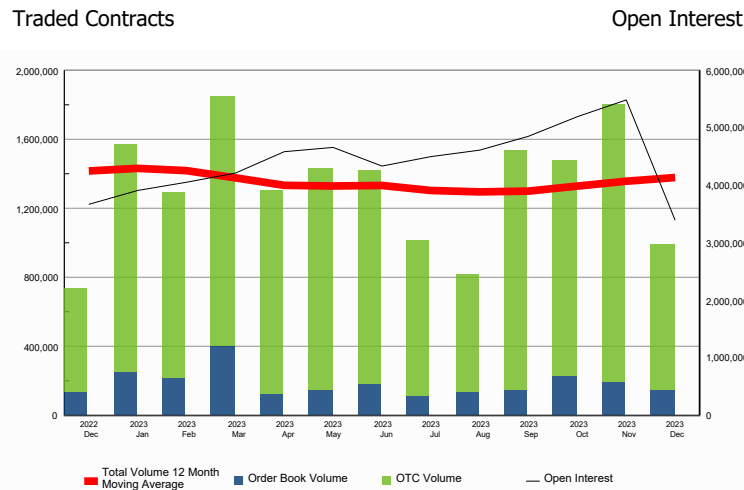
Number of Products	342
Number of Series	2,822
Launched Products per Month	0

### Volume Development Trend

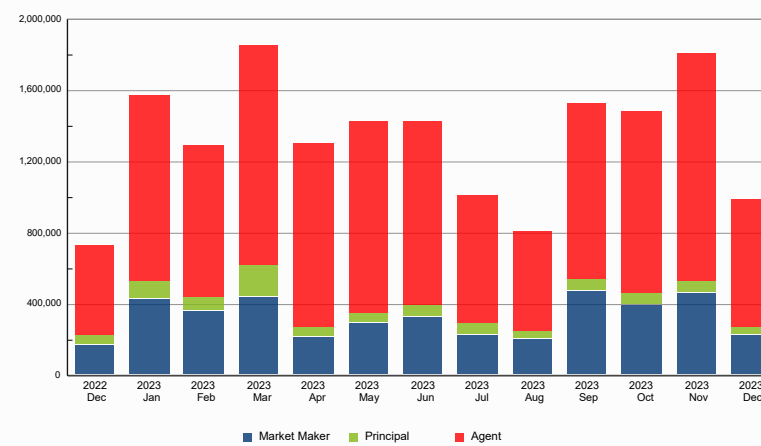
YoY Change ↑ YTM/YTM prev. Year ←

↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

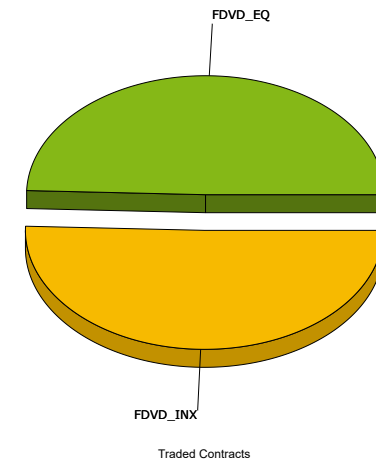
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	995,325	34.8%	52,386	14.89%	11,592	72.3%	23.0%	4.7%	6,648	3,392,847		
Nov 2023	1,806,638	23.0%	82,120	10.70%	19,621	70.3%	25.6%	4.1%	9,259	5,484,650		
Oct 2023	1,480,020	30.8%	67,274	15.04%	25,397	68.3%	27.0%	4.6%	8,007	5,193,120		
Sep 2023	1,531,614	3.6%	72,934	9.44%	16,153	64.3%	30.7%	4.9%	6,644	4,852,647		
Aug 2023	814,784	-10.6%	35,425	16.97%	11,704	69.3%	25.6%	5.0%	4,575	4,611,231		
Jul 2023	1,017,107	-25.6%	48,434	10.76%	9,246	71.2%	22.7%	6.1%	5,041	4,497,838		
Jun 2023	1,426,524	2.6%	64,842	12.43%	14,713	71.9%	22.8%	5.3%	7,603	4,334,025		
May 2023	1,432,359	-3.1%	65,107	10.39%	13,900	75.6%	20.3%	4.1%	6,452	4,658,564		
Apr 2023	1,305,393	-28.5%	72,522	9.26%	11,547	78.9%	16.4%	4.7%	4,677	4,584,106		
Mar 2023	1,853,360	-21.3%	80,581	21.72%	21,716	66.5%	24.1%	9.4%	12,201	4,211,485		
Feb 2023	1,297,445	-11.0%	64,872	16.30%	14,140	65.9%	27.8%	6.2%	7,518	4,052,775		
Jan 2023	1,576,843	12.9%	71,675	15.70%	21,280	66.2%	27.1%	6.7%	9,133	3,909,546		
Dec 2022	738,613	12.2%	35,172	18.15%	14,611	68.5%	24.1%	7.4%	4,569	3,668,029		

### Most Active Products (Traded Contracts)

EURO STOXX 50@ Index Dividend Futures	FEXD	367,559
EURO STOXX@ Banks Index Dividend Futures	FEBD	114,092
Intesa Sanpaolo	I3ES	96,317
Vodafone Group DIV EUR	V2OE	55,500
Orange	F3TE	44,812
Nokia Corp. Oyj Div.	N4OA	25,895
Banco Santander S.A. DIVIDENDS	S3SD	24,600
TOTALENERGIES SE DIVIDENDS	T3OT	23,445
Crédit Agricole	X2CA	23,368
EURO STOXX@ Select Dividend 30 Index Dividend Futures	FD3D	22,635

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	16,537,412	-2.7%	64,853	13.70%	191,009	69.8%	24.6%	5.6%	87,756	3,456,951		
2022	16,995,902	16.6%	66,132	19.35%	233,347	65.1%	27.0%	8.0%	86,579	3,774,765		
2021	14,579,500	-11.6%	56,951	13.81%	134,683	66.7%	28.5%	4.8%	52,013	4,001,416		
2020	16,490,920	17.2%	64,670	27.46%	292,640	56.5%	33.2%	10.4%	80,977	3,952,415		
2019	14,072,708	0.1%	55,623	22.11%	145,014	53.2%	39.0%	7.8%	82,478	4,116,734		

## Dividend Derivatives :: Dividend Futures :: Equity Index Dividend Futures

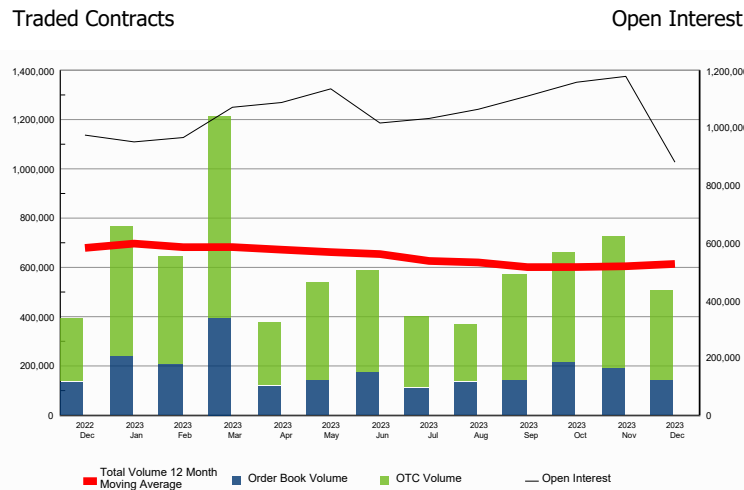
Number of Products	21
Number of Series	146
Launched Products per Month	0

### Volume Development Trend

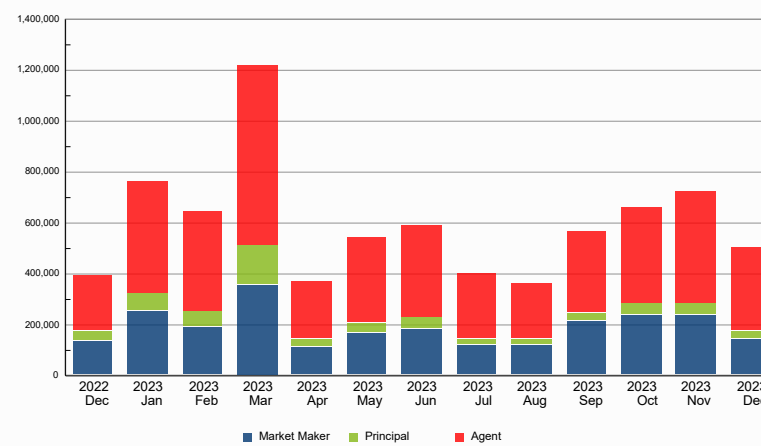
MoM Change ↓ YTM/YTM prev. Year ←

↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

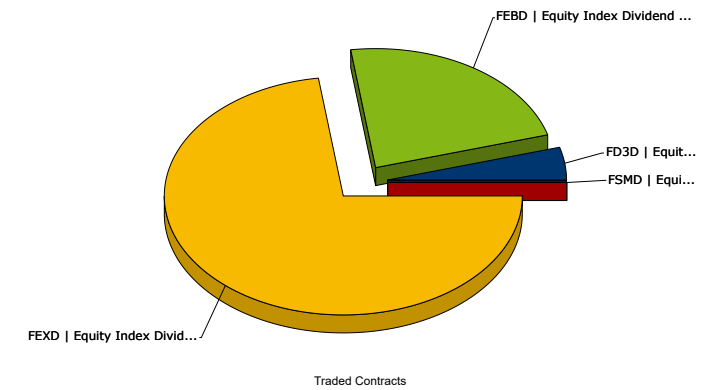
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	504,326	28.4%	26,543	28.77%	10,817	65.3%	27.8%	6.8%	6,147	880,420		
Nov 2023	725,614	5.7%	32,982	25.88%	18,291	60.9%	32.6%	6.5%	8,394	1,178,884		
Oct 2023	663,655	0.5%	30,166	32.93%	24,082	57.4%	36.5%	6.1%	7,189	1,158,408		
Sep 2023	570,029	-28.5%	27,144	24.86%	15,071	57.4%	37.1%	5.5%	5,888	1,110,245		
Aug 2023	365,955	-16.5%	15,911	37.54%	11,151	60.8%	32.8%	6.3%	4,211	1,064,397		
Jul 2023	401,342	-45.5%	19,112	26.83%	8,508	64.2%	29.1%	6.6%	4,587	1,032,474		
Jun 2023	590,032	-13.9%	26,820	29.42%	13,645	61.0%	31.8%	7.2%	6,751	1,016,614		
May 2023	543,435	-17.9%	24,702	26.88%	12,907	62.6%	31.5%	5.9%	5,544	1,135,510		
Apr 2023	375,685	-25.0%	20,871	30.99%	10,529	61.4%	29.7%	8.8%	3,841	1,087,958		
Mar 2023	1,217,298	0.3%	52,926	32.68%	20,758	57.6%	29.6%	12.8%	11,622	1,071,360		
Feb 2023	644,690	-21.3%	32,235	32.03%	13,030	60.6%	29.9%	9.5%	6,842	966,075		
Jan 2023	766,216	37.9%	34,828	31.48%	19,818	58.1%	32.7%	9.2%	8,355	950,849		
Dec 2022	392,699	30.3%	18,700	33.37%	13,980	56.0%	33.8%	10.2%	4,185	974,590		

Most Active Products (Traded Contracts)		
EURO STOXX 50® Index Dividend Futures	FEED	367,559
EURO STOXX® Banks Index Dividend Futures	FEBD	114,092
EURO STOXX® Select Dividend 30 Index Dividend Futures	FD3D	22,635
SMI® Index Dividend	FSMD	40

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	7,368,277	-9.6%	28,895	30.13%	178,607	60.1%	31.8%	8.1%	79,371	880,520		
2022	8,148,735	64.3%	31,707	39.44%	221,065	51.5%	35.6%	12.9%	78,756	974,680		
2021	4,960,373	-47.8%	19,376	39.09%	122,023	52.2%	39.9%	7.8%	43,886	884,009		
2020	9,500,895	32.5%	37,258	46.88%	282,313	48.2%	38.2%	13.6%	76,163	1,074,132		
2019	7,169,955	-0.6%	28,340	42.68%	136,258	48.7%	39.9%	11.4%	76,856	992,636		

## Dividend Derivatives :: Dividend Futures :: Single Stock Dividend Futures

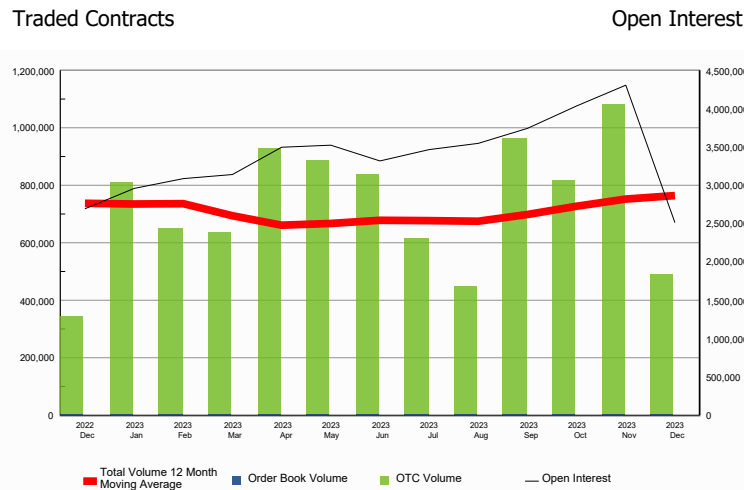
Number of Products	321
Number of Series	2,676
Launched Products per Month	0

### Volume Development Trend

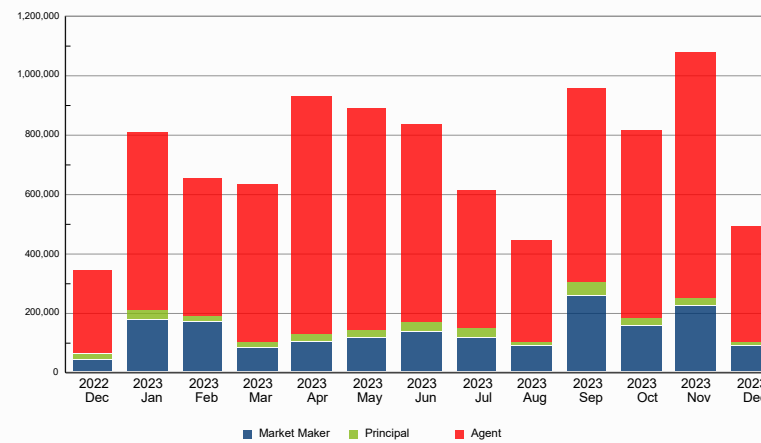
MoM Change ↓ YTM/YTM prev. Year →

↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

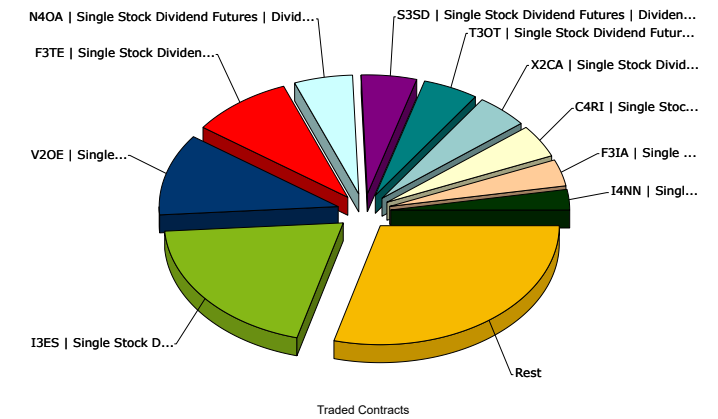
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	490,999	41.9%	25,842	0.64%	775	79.4%	18.0%	2.5%	501	2,512,427		
Nov 2023	1,081,024	38.2%	49,137	0.52%	1,330	76.6%	21.0%	2.5%	865	4,305,766		
Oct 2023	816,365	73.3%	37,108	0.48%	1,315	77.2%	19.3%	3.4%	817	4,034,712		
Sep 2023	961,585	41.2%	45,790	0.30%	1,082	68.5%	27.0%	4.6%	756	3,742,402		
Aug 2023	448,829	-5.1%	19,514	0.19%	553	76.3%	19.8%	3.9%	363	3,546,834		
Jul 2023	615,765	-2.3%	29,322	0.29%	738	75.7%	18.5%	5.8%	454	3,465,364		
Jun 2023	836,492	18.8%	38,022	0.44%	1,068	79.6%	16.5%	4.0%	852	3,317,411		
May 2023	888,924	8.9%	40,406	0.30%	993	83.5%	13.5%	3.0%	908	3,523,054		
Apr 2023	929,708	-29.8%	51,650	0.48%	1,018	86.0%	11.1%	3.0%	836	3,496,148		
Mar 2023	636,062	-44.2%	27,655	0.75%	958	83.6%	13.5%	2.9%	579	3,140,125		
Feb 2023	652,755	2.3%	32,638	0.76%	1,110	71.3%	25.7%	3.0%	676	3,086,700		
Jan 2023	810,627	-3.5%	36,847	0.78%	1,462	73.9%	21.7%	4.3%	779	2,958,697		
Dec 2022	345,914	-3.1%	16,472	0.87%	631	82.6%	13.1%	4.3%	384	2,693,439		

Most Active Products (Traded Contracts)		
Intesa Sanpaolo	I3ES	96,317
Vodafone Group DIV EUR	V2OE	55,500
Orange	F3TE	44,812
Nokia Corp. Oyj Div.	N4OA	25,895
Banco Santander S.A. DIVIDENDS	S3SD	24,600
TOTALENERGIES SE DIVIDENDS	T3OT	23,445
Crédit Agricole	X2CA	23,368
UniCredit	C4RI	21,636
STELLANTIS N.V.	F3IA	18,394
ING GROEP DIVIDENDS	I4NN	13,565

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	9,169,135	3.6%	35,957	0.49%	12,402	77.6%	18.8%	3.5%	8,385	2,576,431		
2022	8,847,167	-8.0%	34,425	0.84%	12,282	77.6%	19.0%	3.5%	7,823	2,800,085		
2021	9,619,127	37.6%	37,575	0.77%	12,660	74.2%	22.6%	3.2%	8,127	3,117,407		
2020	6,990,025	1.3%	27,412	1.06%	10,327	67.7%	26.3%	6.0%	4,814	2,878,283		
2019	6,902,753	0.7%	27,284	0.73%	8,756	57.8%	38.0%	4.2%	5,622	3,124,098		

## Dividend Derivatives :: Dividend Options

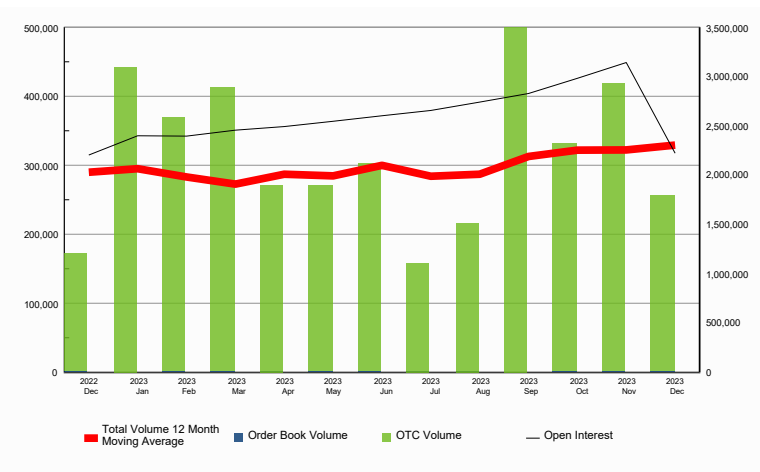
Number of Products	2
Number of Series	866
Launched Products per Month	0

### Volume Development Trend

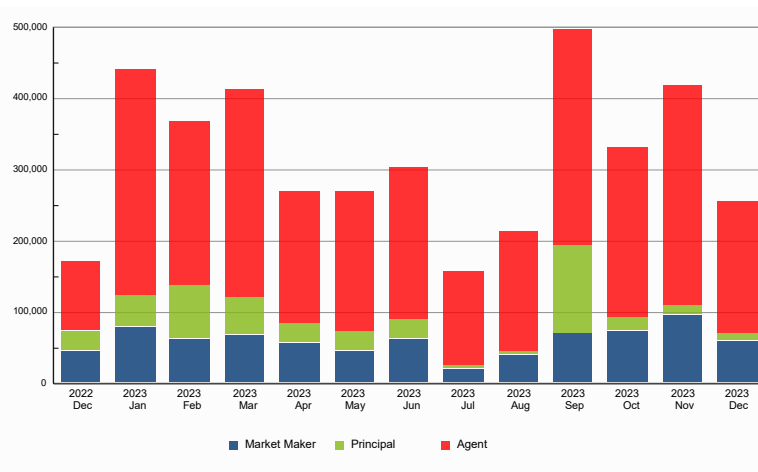
YoY Change ↑ YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ > 25%

### Traded Contracts & Open Interest

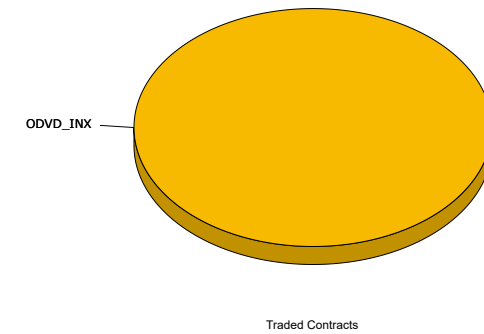
Traded Contracts      Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	255,263	49.0%	13,435	1.08%	214	72.6%	23.0%	4.3%	3,740	2,222,199	78.36%	21.64%
Nov 2023	419,895	0.9%	19,086	0.03%	306	73.5%	23.2%	3.3%	6,137	3,142,510	77.66%	22.34%
Oct 2023	333,330	49.2%	15,151	0.62%	240	72.3%	22.2%	5.5%	4,455	2,982,465	67.83%	32.17%
Sep 2023	498,964	162.4%	23,760	0.00%	232	61.2%	14.3%	24.5%	5,650	2,828,173	54.42%	45.58%
Aug 2023	214,976	19.4%	9,347	0.01%	161	78.2%	18.4%	3.5%	2,988	2,741,011	85.69%	14.31%
Jul 2023	159,462	-54.3%	7,593	0.04%	99	83.6%	13.7%	2.7%	2,112	2,656,120	66.81%	33.19%
Jun 2023	303,860	151.5%	13,812	0.07%	170	70.6%	20.5%	9.0%	4,049	2,602,273	75.37%	24.63%
May 2023	270,574	-9.5%	12,299	0.04%	175	72.4%	17.0%	10.6%	3,622	2,546,201	79.78%	20.22%
Apr 2023	270,524	174.6%	15,029	0.01%	171	68.5%	20.6%	10.9%	3,488	2,492,613	69.37%	30.63%
Mar 2023	413,579	-23.1%	17,982	0.24%	240	70.3%	16.8%	12.8%	5,108	2,456,209	69.56%	30.44%
Feb 2023	368,918	-28.0%	18,446	0.17%	189	62.8%	16.7%	20.5%	4,584	2,395,551	72.30%	27.70%
Jan 2023	441,115	16.2%	20,051	0.00%	248	71.6%	18.3%	10.1%	5,470	2,399,328	77.93%	22.07%
Dec 2022	171,362	173.6%	8,160	0.07%	129	57.4%	26.4%	16.2%	2,058	2,203,963	65.11%	34.89%

### Most Active Products (Traded Contracts)

EURO STOXX 50 Index	OEXD	255,263
Dividend Options		

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	3,950,460	13.6%	15,492	0.18%	2,445	70.3%	18.7%	11.0%	51,401	2,222,199	72.02%	27.98%
2022	3,478,649	38.3%	13,536	0.21%	1,916	63.0%	21.7%	15.3%	39,599	2,203,963	68.72%	31.28%
2021	2,515,639	-2.8%	9,827	0.75%	1,544	55.3%	22.3%	22.4%	24,270	1,851,738	64.98%	35.02%
2020	2,587,947	7.7%	10,149	0.77%	1,673	57.1%	22.3%	20.5%	24,643	2,029,557	68.63%	31.37%
2019	2,402,348	1.3%	9,495	0.62%	1,623	62.0%	20.7%	17.3%	27,611	1,734,163	52.71%	47.29%



## Dividend Derivatives :: Dividend Options :: Options on Equity Index Dividend Futures

Number of Products	2
Number of Series	866
Launched Products per Month	0

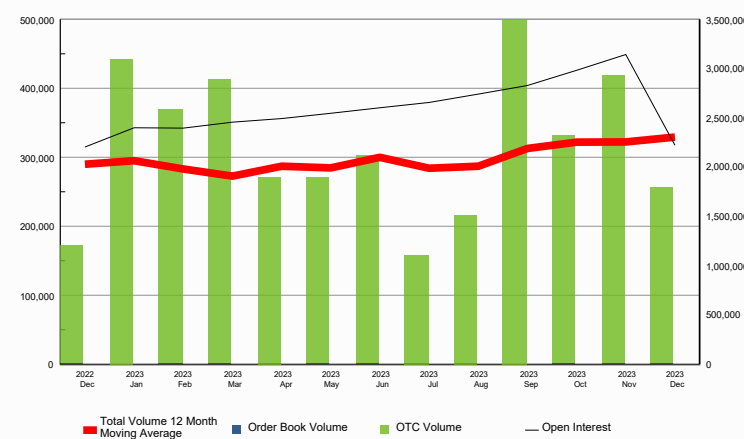
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year →

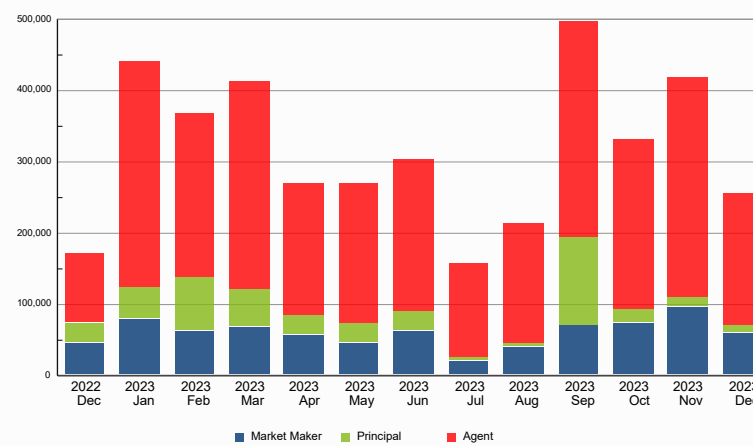
↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

### Traded Contracts & Open Interest

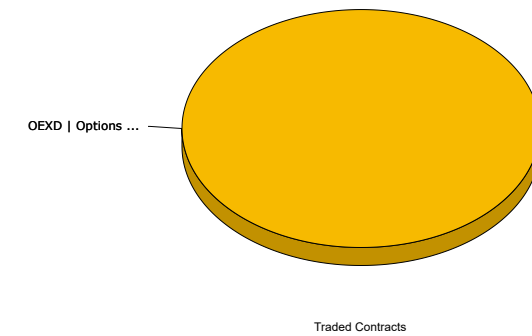
Traded Contracts      Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	255,263	49.0%	13,435	1.08%	214	72.6%	23.0%	4.3%	3,740	2,222,199	78.36%	21.64%
Nov 2023	419,895	0.9%	19,086	0.03%	306	73.5%	23.2%	3.3%	6,137	3,142,510	77.66%	22.34%
Oct 2023	333,330	49.2%	15,151	0.62%	240	72.3%	22.2%	5.5%	4,455	2,982,465	67.83%	32.17%
Sep 2023	498,964	162.4%	23,760	0.00%	232	61.2%	14.3%	24.5%	5,650	2,828,173	54.42%	45.58%
Aug 2023	214,976	19.4%	9,347	0.01%	161	78.2%	18.4%	3.5%	2,988	2,741,011	85.69%	14.31%
Jul 2023	159,462	-54.3%	7,593	0.04%	99	83.6%	13.7%	2.7%	2,112	2,656,120	66.81%	33.19%
Jun 2023	303,860	151.5%	13,812	0.07%	170	70.6%	20.5%	9.0%	4,049	2,602,273	75.37%	24.63%
May 2023	270,574	-9.5%	12,299	0.04%	175	72.4%	17.0%	10.6%	3,622	2,546,201	79.78%	20.22%
Apr 2023	270,524	174.6%	15,029	0.01%	171	68.5%	20.6%	10.9%	3,488	2,492,613	69.37%	30.63%
Mar 2023	413,579	-23.1%	17,982	0.24%	240	70.3%	16.8%	12.8%	5,108	2,456,209	69.56%	30.44%
Feb 2023	368,918	-28.0%	18,446	0.17%	189	62.8%	16.7%	20.5%	4,584	2,395,551	72.30%	27.70%
Jan 2023	441,115	16.2%	20,051	0.00%	248	71.6%	18.3%	10.1%	5,470	2,399,328	77.93%	22.07%
Dec 2022	171,362	173.6%	8,160	0.07%	129	57.4%	26.4%	16.2%	2,058	2,203,963	65.11%	34.89%

### Most Active Products (Traded Contracts)

EURO STOXX 50 Index	OEXD	255,263
Dividend Options		

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	3,950,460	13.6%	15,492	0.18%	2,445	70.3%	18.7%	11.0%	51,401	2,222,199	72.02%	27.98%
2022	3,478,649	38.3%	13,536	0.21%	1,916	63.0%	21.7%	15.3%	39,599	2,203,963	68.72%	31.28%
2021	2,515,639	-2.8%	9,827	0.75%	1,544	55.3%	22.3%	22.4%	24,270	1,851,738	64.98%	35.02%
2020	2,587,947	7.7%	10,149	0.77%	1,673	57.1%	22.3%	20.5%	24,643	2,029,557	68.63%	31.37%
2019	2,402,348	1.3%	9,495	0.62%	1,623	62.0%	20.7%	17.3%	27,611	1,734,163	52.71%	47.29%

## Volatility Index Derivatives

Number of Products	3
Number of Series	1,086
Launched Products per Month	0

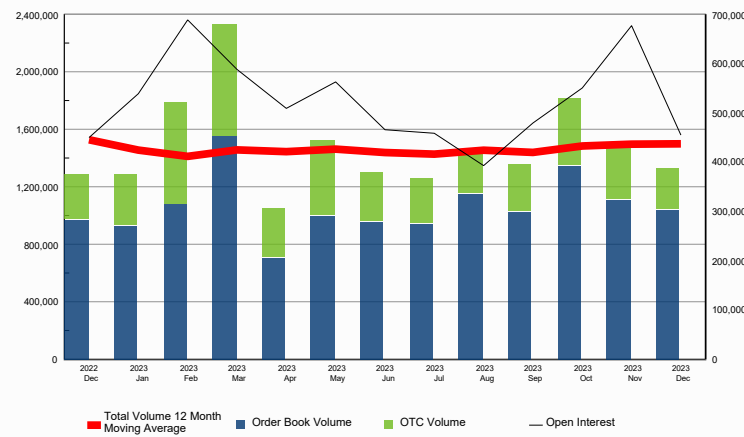
## Volume Development Trend

YoY Change → YTM/YTM prev. Year ←

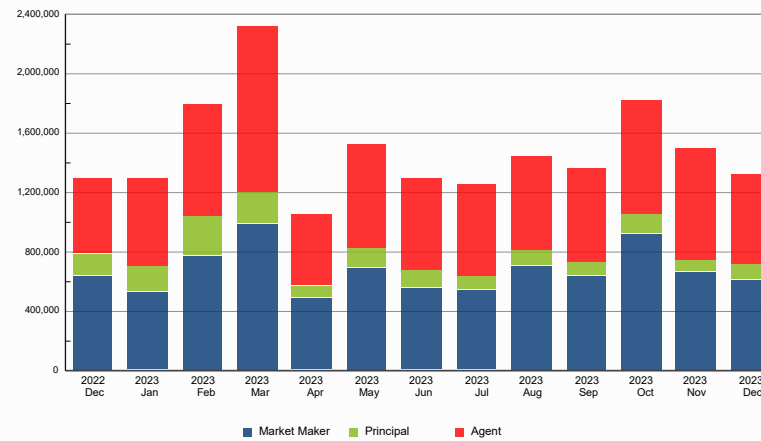
↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

## Traded Contracts & Open Interest

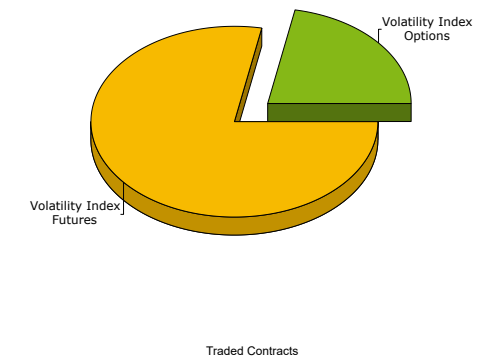
Traded Contracts      Open Interest



## Traded Contracts by Account Type



## Traded Contracts by Product Type



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Options	Futures
Dec 2023	1,324,628	2.4%	69,717	77.82%	118,909	46.3%	46.4%	7.3%	2,158	454,914	21.89%	78.11%
Nov 2023	1,502,016	11.2%	68,273	73.96%	154,699	50.1%	44.5%	5.3%	2,860	676,937	25.77%	74.23%
Oct 2023	1,822,160	41.7%	82,825	73.85%	231,625	42.2%	50.6%	7.2%	3,769	550,448	23.98%	76.02%
Sep 2023	1,358,892	-11.9%	64,709	75.00%	157,615	45.9%	47.1%	7.1%	2,461	479,380	24.52%	75.48%
Aug 2023	1,441,122	29.4%	62,657	80.15%	191,745	43.5%	48.7%	7.8%	2,877	392,890	16.67%	83.33%
Jul 2023	1,255,835	-9.7%	59,802	74.51%	153,763	49.0%	43.3%	7.7%	2,340	458,542	20.69%	79.31%
Jun 2023	1,298,113	-18.0%	59,005	73.16%	151,775	47.9%	43.2%	8.9%	2,361	465,734	21.55%	78.45%
May 2023	1,520,189	16.1%	69,100	65.59%	177,120	45.8%	45.8%	8.4%	3,339	562,760	30.86%	69.14%
Apr 2023	1,056,559	-12.2%	58,698	67.10%	124,428	46.5%	46.3%	7.2%	2,397	509,068	32.90%	67.10%
Mar 2023	2,325,193	30.4%	101,095	67.04%	334,114	48.2%	42.2%	9.6%	5,689	588,122	30.43%	69.57%
Feb 2023	1,789,821	-22.6%	89,491	60.67%	184,778	42.0%	43.1%	14.9%	3,908	688,629	37.73%	62.27%
Jan 2023	1,292,066	-40.1%	58,730	71.39%	165,182	45.6%	40.8%	13.6%	2,788	538,906	26.50%	73.50%
Dec 2022	1,293,254	-22.3%	61,584	75.16%	172,067	39.1%	48.9%	11.9%	3,148	449,841	22.30%	77.70%

### Most Active Products (Traded Contracts)

Futures on VSTOXX®	Future	FVS	1,034,725
Option on VSTOXX Future	Option	OVS2	289,903

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Options	Futures
2023	17,986,594	-1.8%	70,536	71.28%	2,145,753	46.0%	45.1%	8.9%	36,947	455,158	26.51%	73.49%
2022	18,324,074	-16.3%	71,300	74.82%	3,064,219	37.8%	50.5%	11.7%	54,488	449,841	23.78%	76.22%
2021	21,889,784	11.7%	85,507	66.56%	2,158,832	35.6%	52.2%	12.2%	52,135	503,393	33.48%	66.52%
2020	19,594,641	-16.0%	76,842	67.98%	1,587,505	34.6%	48.6%	16.9%	54,647	519,916	35.23%	64.77%
2019	23,322,746	-3.5%	92,185	70.58%	962,562	35.8%	47.8%	16.3%	40,345	487,201	31.69%	68.31%

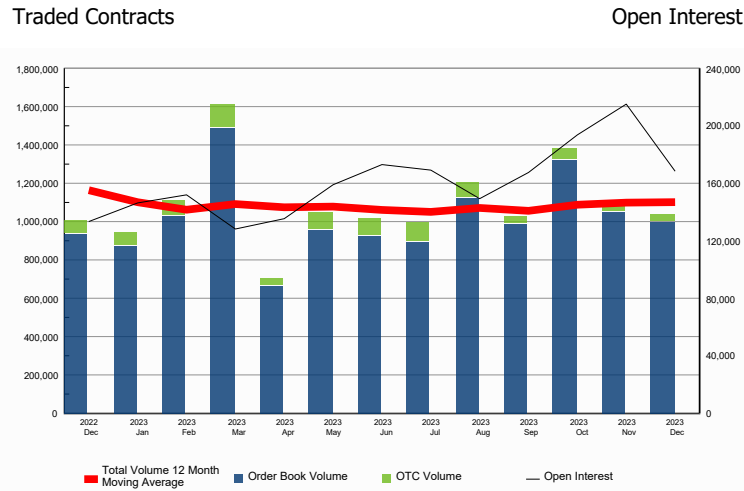
## Volatility Index Derivatives :: Volatility Index Futures

Number of Products 2  
 Number of Series 18  
 Launched Products per Month 0

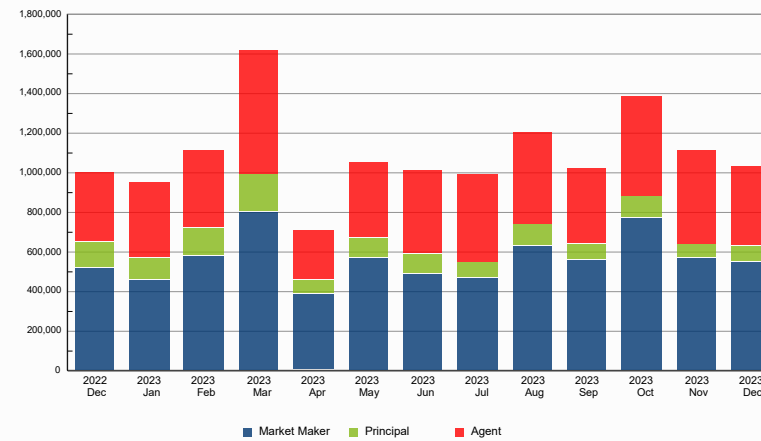
### Volume Development Trend

YoY Change → YTM/YTM prev. Year ←  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ 25%

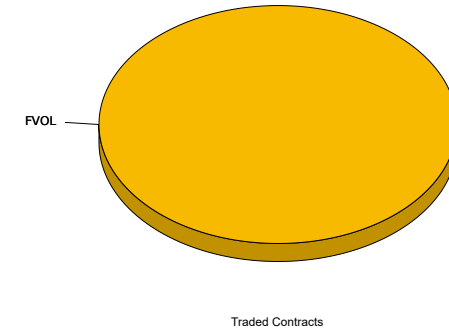
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,034,725	3.0%	54,459	96.78%	118,477	39.0%	52.8%	8.2%	1,546	168,390		
Nov 2023	1,114,945	13.4%	50,679	93.81%	154,066	42.2%	51.0%	6.8%	1,831	215,084		
Oct 2023	1,385,234	38.1%	62,965	94.99%	231,017	36.2%	55.4%	8.3%	2,701	193,667		
Sep 2023	1,025,700	-14.9%	48,843	96.05%	156,977	37.6%	54.6%	7.9%	1,745	167,524		
Aug 2023	1,200,932	25.8%	52,214	93.80%	191,154	38.6%	52.4%	8.9%	2,237	149,288		
Jul 2023	996,020	-11.0%	47,430	89.86%	153,075	44.4%	46.7%	8.9%	1,664	169,158		
Jun 2023	1,018,407	-16.9%	46,291	90.45%	151,252	42.0%	47.5%	10.5%	1,686	173,011		
May 2023	1,051,096	4.3%	47,777	91.18%	176,423	35.8%	53.7%	10.5%	2,089	158,975		
Apr 2023	708,976	-22.1%	39,388	94.06%	123,869	35.9%	54.6%	9.5%	1,433	135,369		
Mar 2023	1,617,545	28.0%	70,328	91.77%	332,971	38.6%	49.8%	11.6%	3,802	128,174		
Feb 2023	1,114,492	-29.8%	55,725	92.64%	183,913	34.9%	52.2%	12.8%	2,183	151,946		
Jan 2023	949,716	-44.2%	43,169	91.93%	164,432	39.5%	48.1%	12.4%	1,890	146,328		
Dec 2022	1,004,905	-16.3%	47,853	92.65%	171,367	35.6%	51.5%	12.9%	2,216	133,356		

Most Active Products (Traded Contracts)		
Futures on VSTOXX®	FVS	1,034,725

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	13,217,788	-5.4%	51,834	93.10%	2,137,626	38.7%	51.6%	9.7%	24,807	168,634		
2022	13,966,853	-4.1%	54,346	94.98%	3,056,363	33.2%	55.4%	11.5%	38,264	133,356		
2021	14,561,665	14.7%	56,882	94.49%	2,148,791	32.3%	53.7%	14.0%	31,285	151,706		
2020	12,692,395	-20.3%	49,774	92.70%	1,574,623	33.2%	45.2%	21.6%	33,340	105,678		
2019	15,932,474	2.3%	62,974	91.75%	949,290	35.0%	47.3%	17.7%	25,418	189,145		

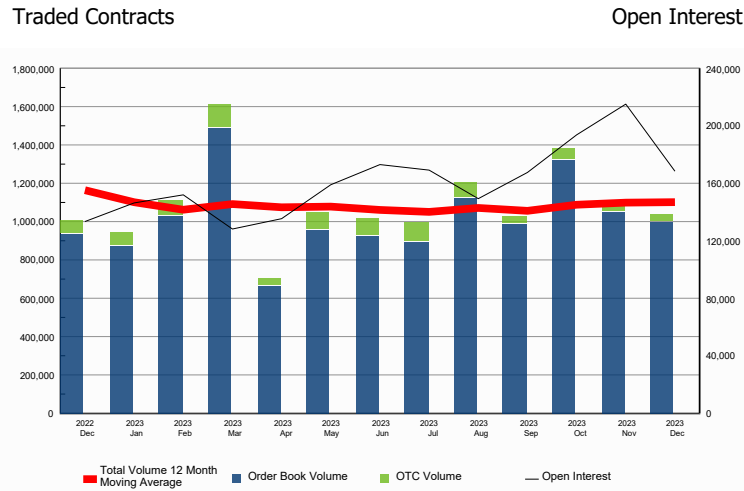
## Volatility Index Derivatives :: Volatility Index Futures :: VSTOXX® Futures

Number of Products 2  
 Number of Series 18  
 Launched Products per Month 0

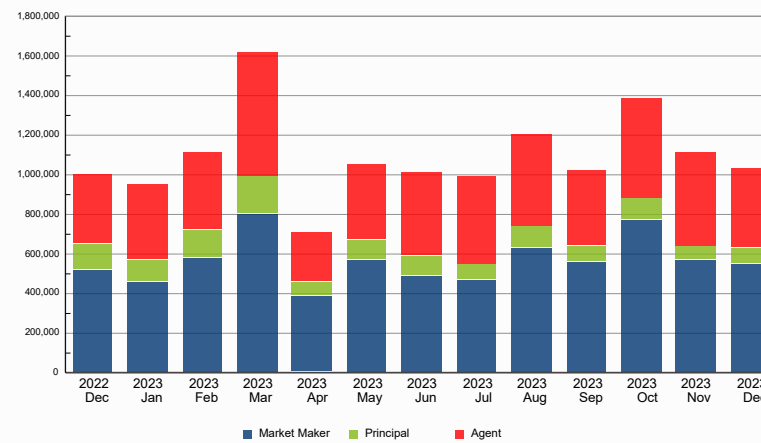
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

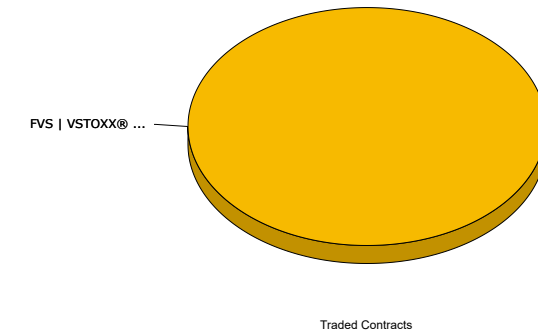
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	1,034,725	3.0%	54,459	96.78%	118,477	39.0%	52.8%	8.2%	1,546	168,390		
Nov 2023	1,114,945	13.4%	50,679	93.81%	154,066	42.2%	51.0%	6.8%	1,831	215,084		
Oct 2023	1,385,234	38.1%	62,965	94.99%	231,017	36.2%	55.4%	8.3%	2,701	193,667		
Sep 2023	1,025,700	-14.9%	48,843	96.05%	156,977	37.6%	54.6%	7.9%	1,745	167,524		
Aug 2023	1,200,932	25.8%	52,214	93.80%	191,154	38.6%	52.4%	8.9%	2,237	149,288		
Jul 2023	996,020	-11.0%	47,430	89.86%	153,075	44.4%	46.7%	8.9%	1,664	169,158		
Jun 2023	1,018,407	-16.9%	46,291	90.45%	151,252	42.0%	47.5%	10.5%	1,686	173,011		
May 2023	1,051,096	4.3%	47,777	91.18%	176,423	35.8%	53.7%	10.5%	2,089	158,975		
Apr 2023	708,976	-22.1%	39,388	94.06%	123,869	35.9%	54.6%	9.5%	1,433	135,369		
Mar 2023	1,617,545	28.0%	70,328	91.77%	332,971	38.6%	49.8%	11.6%	3,802	128,174		
Feb 2023	1,114,492	-29.8%	55,725	92.64%	183,913	34.9%	52.2%	12.8%	2,183	151,946		
Jan 2023	949,716	-44.2%	43,169	91.93%	164,432	39.5%	48.1%	12.4%	1,890	146,328		
Dec 2022	1,004,905	-16.3%	47,853	92.65%	171,367	35.6%	51.5%	12.9%	2,216	133,356		

Most Active Products (Traded Contracts)		
Futures on VSTOXX®	FVS	1,034,725

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	13,217,788	-5.4%	51,834	93.10%	2,137,626	38.7%	51.6%	9.7%	24,807	168,634		
2022	13,966,853	-4.1%	54,346	94.98%	3,056,363	33.2%	55.4%	11.5%	38,264	133,356		
2021	14,561,665	14.7%	56,882	94.49%	2,148,791	32.3%	53.7%	14.0%	31,285	151,706		
2020	12,692,395	-20.3%	49,774	92.70%	1,574,623	33.2%	45.2%	21.6%	33,340	105,678		
2019	15,932,474	2.3%	62,974	91.75%	949,290	35.0%	47.3%	17.7%	25,418	189,145		

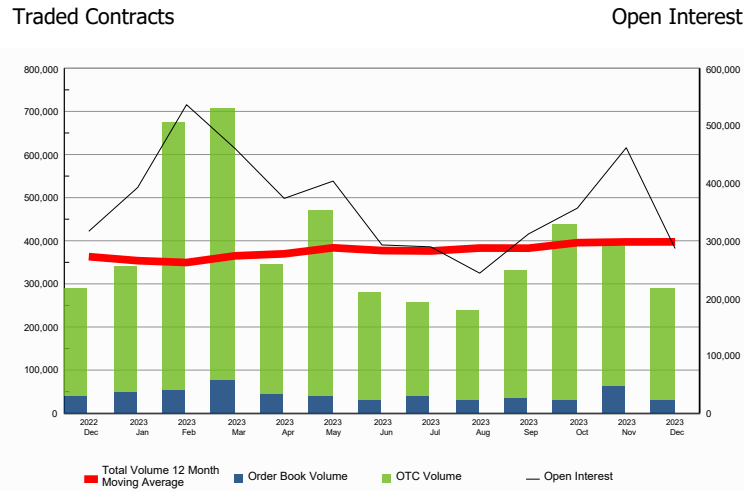
## Volatility Index Derivatives :: Volatility Index Options

Number of Products 1  
 Number of Series 1,068  
 Launched Products per Month 0

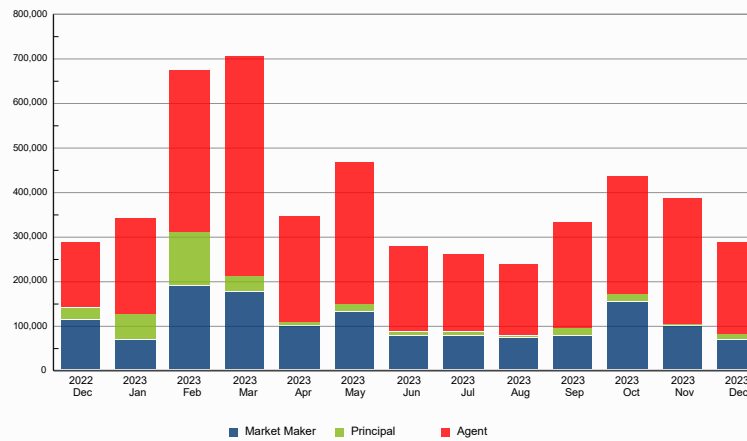
### Volume Development Trend

YoY Change → YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ 25%

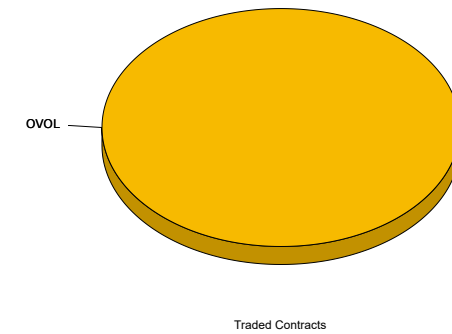
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	289,903	0.5%	15,258	10.16%	432	72.1%	23.5%	4.3%	612	286,524	66.38%	33.62%
Nov 2023	387,071	5.6%	17,594	16.79%	633	72.9%	26.1%	1.1%	1,029	461,853	68.28%	31.72%
Oct 2023	436,926	54.1%	19,860	6.83%	608	61.0%	35.4%	3.5%	1,068	356,781	55.14%	44.86%
Sep 2023	333,192	-1.2%	15,866	10.21%	638	71.4%	24.0%	4.6%	716	311,856	46.54%	53.46%
Aug 2023	240,190	51.4%	10,443	11.87%	591	67.8%	30.3%	1.9%	640	243,602	69.58%	30.42%
Jul 2023	259,815	-4.1%	12,372	15.68%	688	66.6%	30.4%	3.0%	676	289,384	67.70%	32.30%
Jun 2023	279,706	-21.6%	12,714	10.19%	523	69.3%	27.3%	3.4%	675	292,723	73.20%	26.80%
May 2023	469,093	55.6%	21,322	8.26%	697	68.1%	28.1%	3.7%	1,250	403,785	65.24%	34.76%
Apr 2023	347,583	18.7%	19,310	12.11%	559	68.2%	29.3%	2.5%	964	373,699	67.29%	32.71%
Mar 2023	707,648	36.0%	30,767	10.51%	1,143	70.0%	24.8%	5.2%	1,887	459,948	62.02%	37.98%
Feb 2023	675,329	-7.1%	33,766	7.93%	865	53.7%	28.0%	18.3%	1,726	536,683	69.88%	30.12%
Jan 2023	342,350	-24.5%	15,561	14.42%	750	62.6%	20.7%	16.7%	898	392,578	68.90%	31.10%
Dec 2022	288,349	-37.8%	13,731	14.19%	700	51.5%	40.2%	8.4%	932	316,485	84.13%	15.87%

### Most Active Products (Traded Contracts)

Option on VSTOXX Future	OVS2	289,903
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Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	4,768,806	9.4%	18,701	10.78%	8,127	66.1%	27.3%	6.6%	12,140	286,524	64.73%	35.27%
2022	4,357,221	-40.5%	16,954	10.22%	7,856	52.7%	34.7%	12.6%	16,224	316,485	64.02%	35.98%
2021	7,328,119	6.2%	28,625	11.08%	10,041	42.2%	49.2%	8.6%	20,850	351,687	50.68%	49.32%
2020	6,902,246	-6.6%	27,068	22.52%	12,882	37.1%	54.7%	8.2%	21,307	414,238	55.29%	44.71%
2019	7,390,272	-13.9%	29,211	24.94%	13,272	37.6%	49.1%	13.4%	14,927	298,056	59.11%	40.89%

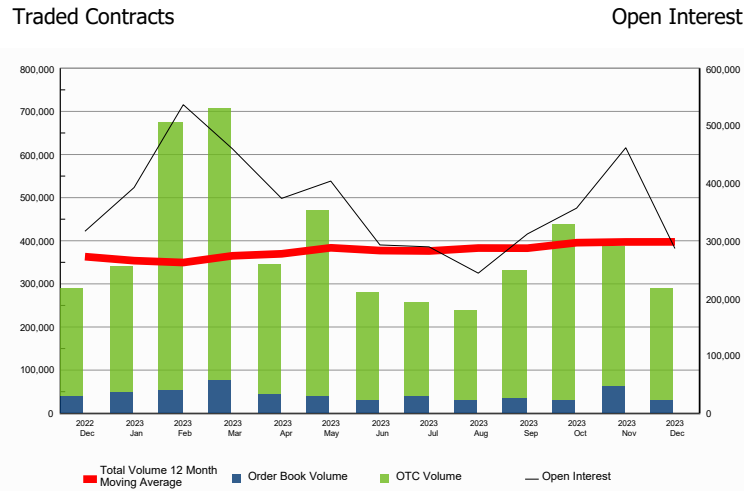
## Volatility Index Derivatives :: Volatility Index Options :: VSTOXX® Options

Number of Products: 1  
 Number of Series: 1,068  
 Launched Products per Month: 0

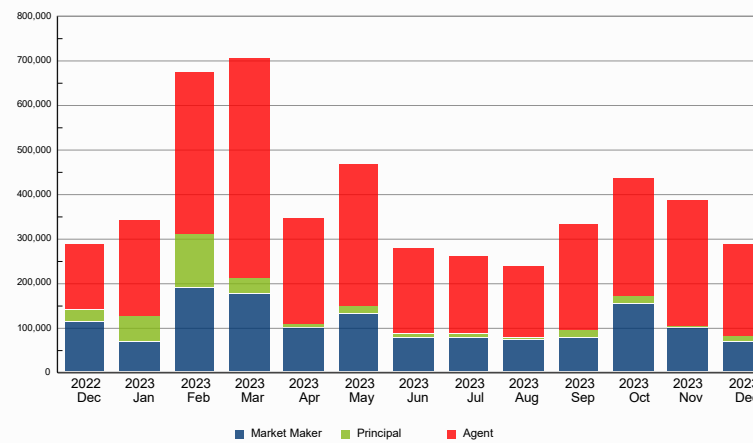
### Volume Development Trend

MoM Change ↓ YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

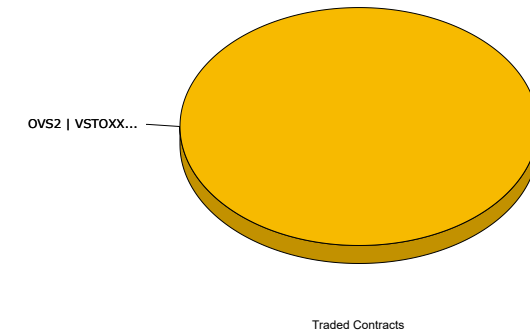
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	289,903	0.5%	15,258	10.16%	432	72.1%	23.5%	4.3%	612	286,524	66.38%	33.62%
Nov 2023	387,071	5.6%	17,594	16.79%	633	72.9%	26.1%	1.1%	1,029	461,853	68.28%	31.72%
Oct 2023	436,926	54.1%	19,860	6.83%	608	61.0%	35.4%	3.5%	1,068	356,781	55.14%	44.86%
Sep 2023	333,192	-1.2%	15,866	10.21%	638	71.4%	24.0%	4.6%	716	311,856	46.54%	53.46%
Aug 2023	240,190	51.4%	10,443	11.87%	591	67.8%	30.3%	1.9%	640	243,602	69.58%	30.42%
Jul 2023	259,815	-4.1%	12,372	15.68%	688	66.6%	30.4%	3.0%	676	289,384	67.70%	32.30%
Jun 2023	279,706	-21.6%	12,714	10.19%	523	69.3%	27.3%	3.4%	675	292,723	73.20%	26.80%
May 2023	469,093	55.6%	21,322	8.26%	697	68.1%	28.1%	3.7%	1,250	403,785	65.24%	34.76%
Apr 2023	347,583	18.7%	19,310	12.11%	559	68.2%	29.3%	2.5%	964	373,699	67.29%	32.71%
Mar 2023	707,648	36.0%	30,767	10.51%	1,143	70.0%	24.8%	5.2%	1,887	459,948	62.02%	37.98%
Feb 2023	675,329	-7.1%	33,766	7.93%	865	53.7%	28.0%	18.3%	1,726	536,683	69.88%	30.12%
Jan 2023	342,350	-24.5%	15,561	14.42%	750	62.6%	20.7%	16.7%	898	392,578	68.90%	31.10%
Dec 2022	288,349	-37.8%	13,731	14.19%	700	51.5%	40.2%	8.4%	932	316,485	84.13%	15.87%

### Most Active Products (Traded Contracts)

Option on VSTOXX Future	OVS2	289,903
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Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	4,768,806	9.4%	18,701	10.78%	8,127	66.1%	27.3%	6.6%	12,140	286,524	64.73%	35.27%
2022	4,357,221	-40.5%	16,954	10.22%	7,856	52.7%	34.7%	12.6%	16,224	316,485	64.02%	35.98%
2021	7,328,119	6.2%	28,625	11.08%	10,041	42.2%	49.2%	8.6%	20,850	351,687	50.68%	49.32%
2020	6,902,246	-6.6%	27,068	22.52%	12,882	37.1%	54.7%	8.2%	21,307	414,238	55.29%	44.71%
2019	7,390,272	-13.9%	29,211	24.94%	13,272	37.6%	49.1%	13.4%	14,927	298,056	59.11%	40.89%

## ETF & ETC Derivatives

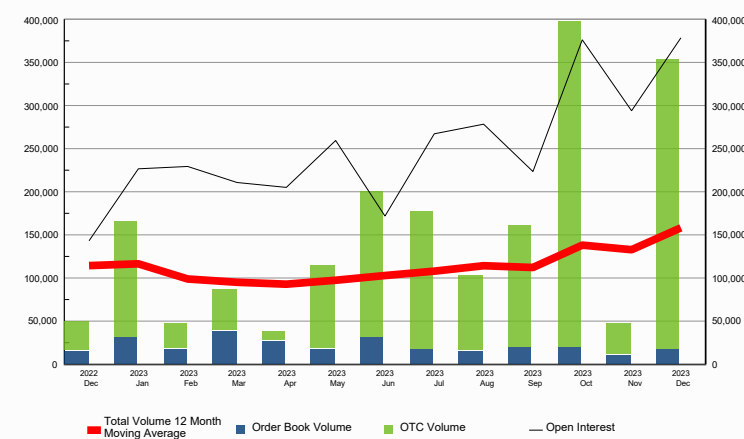
Number of Products	56
Number of Series	29,697
Launched Products per Month	0

### Volume Development Trend

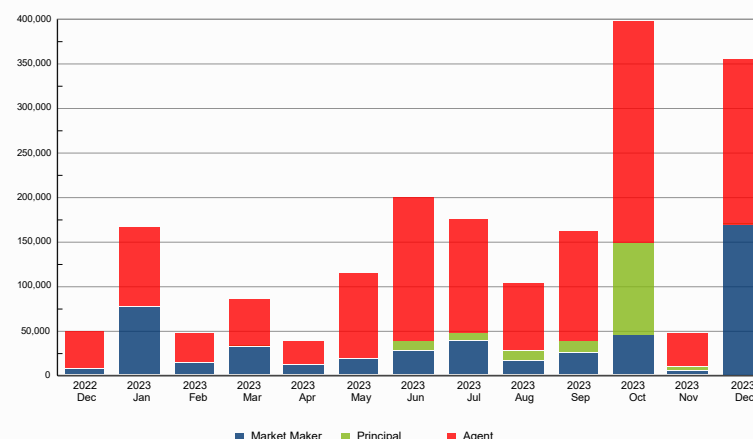
YoY Change ↑ YTM/YTM prev. Year ↑  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

## Traded Contracts & Open Interest

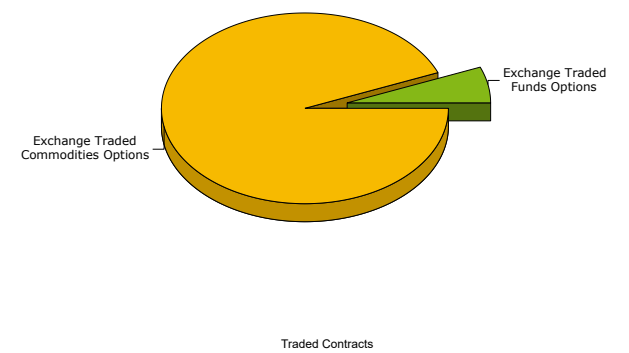
Traded Contracts Open Interest



## Traded Contracts by Account Type



## Traded Contracts by Product Type



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Options	Futures
Dec 2023	354,744	606.8%	18,671	5.10%	659	52.2%	47.5%	0.3%	1,422	378,509	100.00%	0.00%
Nov 2023	47,349	-57.4%	2,152	22.48%	957	79.3%	13.3%	7.4%	254	293,895	100.00%	0.00%
Oct 2023	398,872	354.6%	18,131	5.14%	990	62.4%	11.5%	26.0%	1,469	376,238	100.00%	0.00%
Sep 2023	161,984	-13.2%	7,714	12.31%	1,029	75.3%	15.4%	9.3%	604	223,464	100.00%	0.00%
Aug 2023	104,016	271.2%	4,522	13.47%	913	73.7%	16.7%	9.6%	371	278,354	99.97%	0.03%
Jul 2023	176,906	52.1%	8,424	9.56%	671	72.6%	21.7%	5.7%	639	267,202	99.98%	0.02%
Jun 2023	200,829	48.7%	9,129	15.44%	985	81.0%	14.0%	5.0%	990	171,829	99.96%	0.04%
May 2023	114,855	90.8%	5,221	15.64%	1,293	83.0%	17.0%	0.0%	425	259,421	99.97%	0.03%
Apr 2023	38,445	-41.0%	2,136	68.56%	609	65.9%	34.1%	0.0%	225	205,061	99.94%	0.06%
Mar 2023	85,934	-34.8%	3,736	45.94%	1,760	61.5%	38.0%	0.5%	404	210,750	99.96%	0.04%
Feb 2023	48,384	-81.3%	2,419	34.77%	1,084	72.1%	27.9%	0.0%	217	229,360	99.95%	0.05%
Jan 2023	165,814	17.7%	7,537	19.54%	1,648	54.0%	46.0%	0.0%	782	226,620	99.97%	0.03%
Dec 2022	50,190	-41.9%	2,390	29.20%	710	85.4%	14.6%	0.0%	353	143,116	99.82%	0.18%

### Most Active Products (Traded Contracts)

ISHARES PHYSICAL GOLD Option	IGLN	332,968
Options on iShares Core FTSE 100 UCITS (Dist)	ISF	10,602
Options on iShares STOXX Europe 600 UCITS ETF (DE)	EXSA	5,394
iShares EUR Corp ETF	OEAC	3,700
iShares Core EURO STOXX50® UCITS ETF (Dist)	EUN2	1,193
Options on iShares Core S & P 500 UCITS ETF	CSPX	400
iShares DAX® UCITS ETF (DE)	EXS1	329
Options on iShares EURO STOXX Banks 30-15 UCITS ETF (DE)	EXX1	157
Options on iShares Core MSCI World UCITS ETF	IWDA	1

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Options	Futures
2023	1,898,132	38.3%	7,444	13.91%	12,598	66.4%	25.5%	8.1%	7,801	382,217	99.98%	0.02%
2022	1,372,280	-26.1%	5,340	17.41%	20,767	71.3%	25.7%	3.0%	7,213	192,758	99.71%	0.29%
2021	1,857,120	-77.4%	7,254	10.76%	15,998	68.5%	26.4%	5.2%	6,580	204,849	99.98%	0.02%
2020	8,202,151	-3.0%	32,165	2.20%	16,970	55.3%	38.9%	5.8%	25,571	298,577	100.00%	0.00%
2019	8,456,800	482.2%	33,426	1.13%	2,737	58.5%	30.3%	11.2%	22,470	502,883	100.00%	0.00%

## ETF & ETC Derivatives :: Exchange Traded Funds Futures

Number of Products	4
Number of Series	16
Launched Products per Month	0

### Volume Development Trend

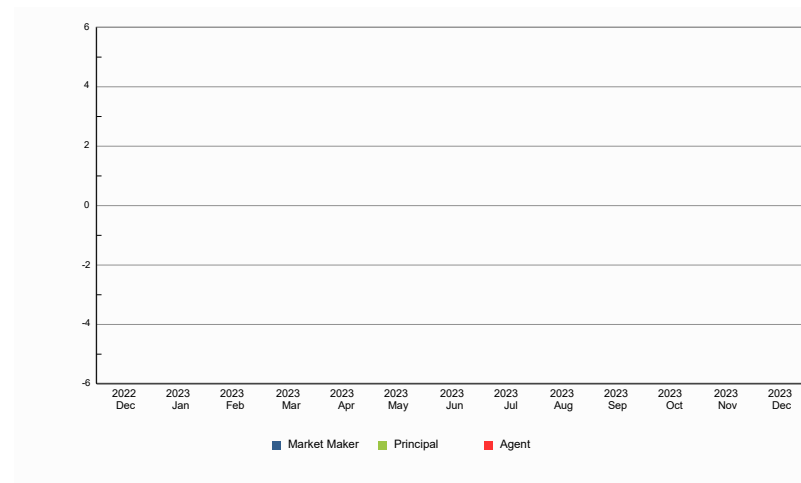
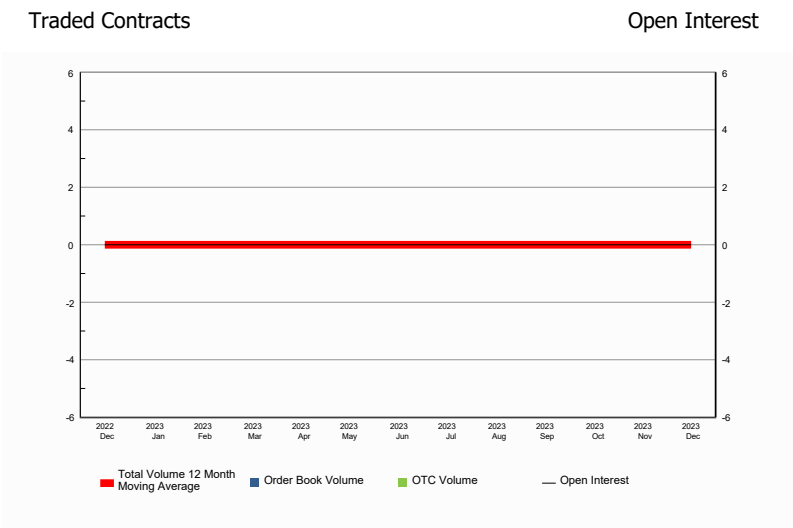
YoY Change      YTM/YTM prev. Year

↘ < -25%   
 ↔ >=-25% and < 0%   
 ↗ >=0% and =25%   
 ↗ > 25%

### Traded Contracts & Open Interest

### Traded Contracts by Account Type

### Traded Contracts by Product Class



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2019	0	-100.0%			0				<1	0		



ETF & ETC Derivatives :: Exchange Traded Funds Futures :: CS ETF (CH) Futures

Number of Products	1
Number of Series	4
Launched Products per Month	0

**Volume Development Trend**

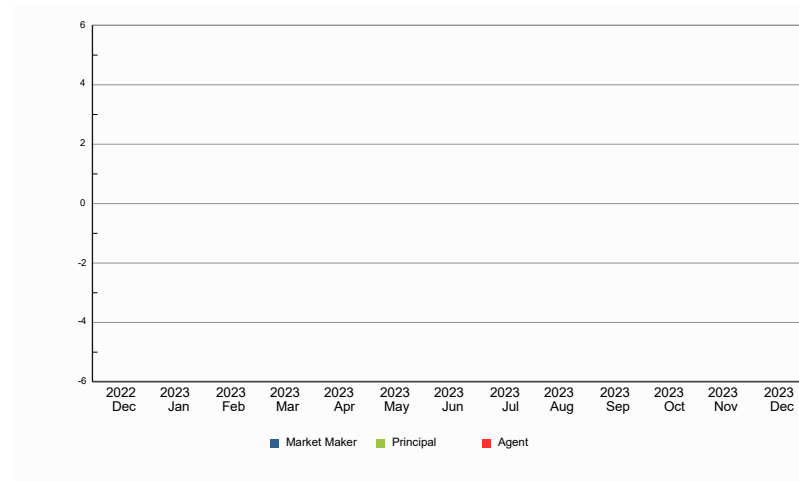
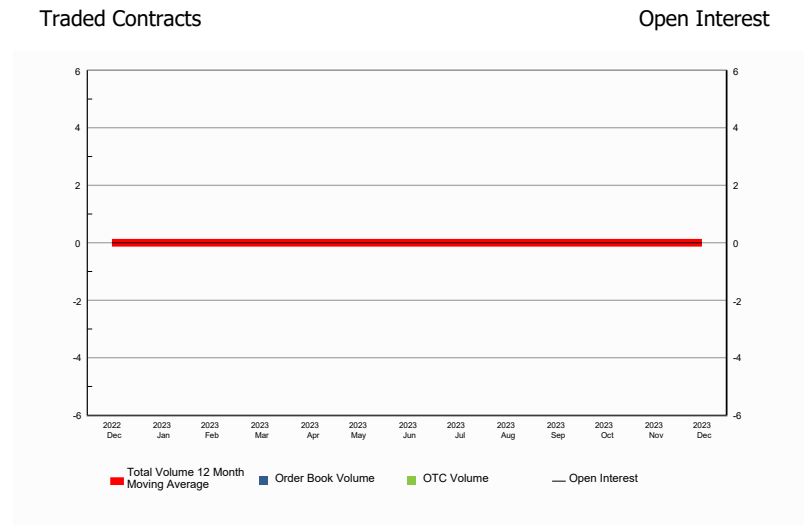
MoM Change      YTM/YTM prev. Year

↓ < -25%   
 ← >=-25% and < 0%   
 → >=0% and <=25%   
 ↑ > 25%

**Traded Contracts & Open Interest**

**Traded Contracts by Account Type**

**Traded Contracts by Product**



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

**Most Active Products (Traded Contracts)**

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

ETF & ETC Derivatives :: Exchange Traded Funds Futures :: db x-trackers ETF Futures

Number of Products	1
Number of Series	4
Launched Products per Month	0

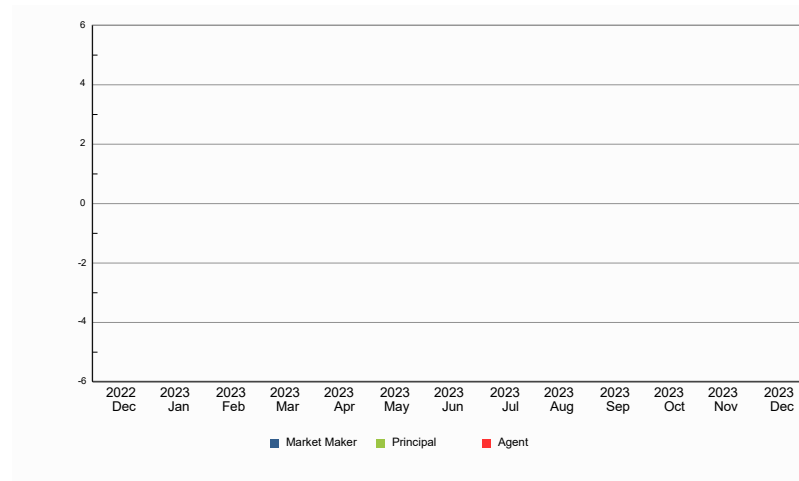
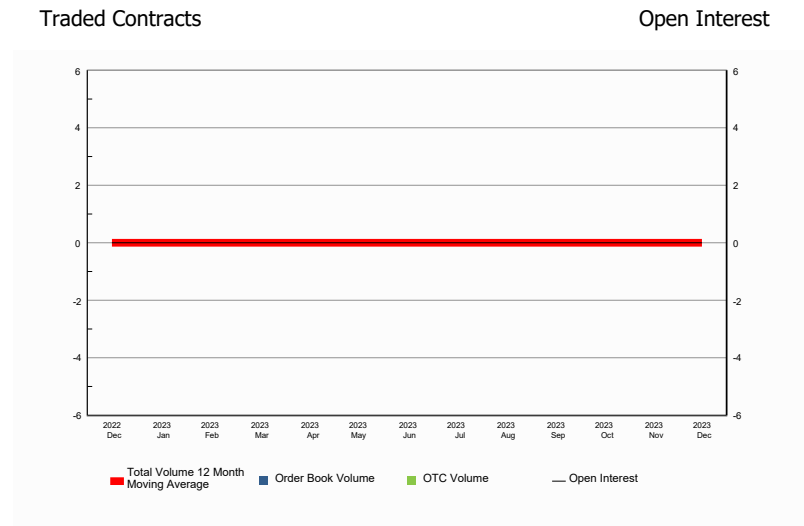
**Volume Development Trend**

MoM Change	YTM/YTM prev. Year
<span style="color: red;">↓</span> < -25% <span style="color: red;">←</span> >=-25% and < 0% <span style="color: green;">→</span> >=0% and <=25% <span style="color: green;">↑</span> > 25%	

**Traded Contracts & Open Interest**

**Traded Contracts by Account Type**

**Traded Contracts by Product**



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

**Most Active Products (Traded Contracts)**

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

ETF & ETC Derivatives :: Exchange Traded Funds Futures :: iShares ETF Futures

Number of Products	2
Number of Series	8
Launched Products per Month	0

**Volume Development Trend**

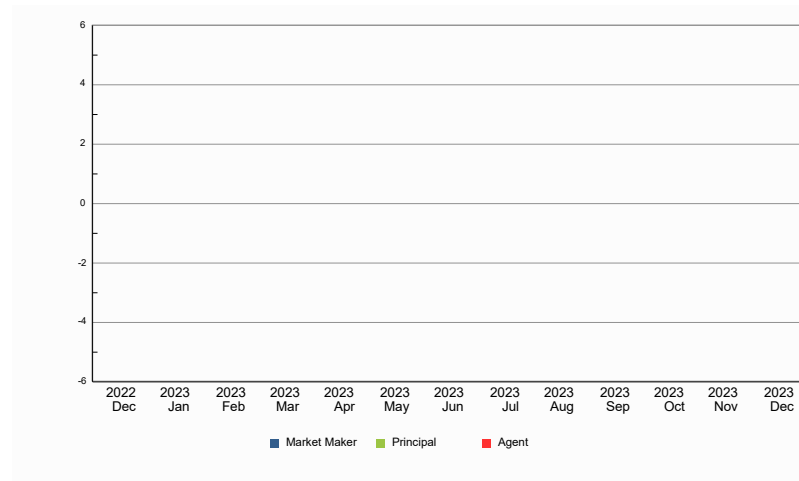
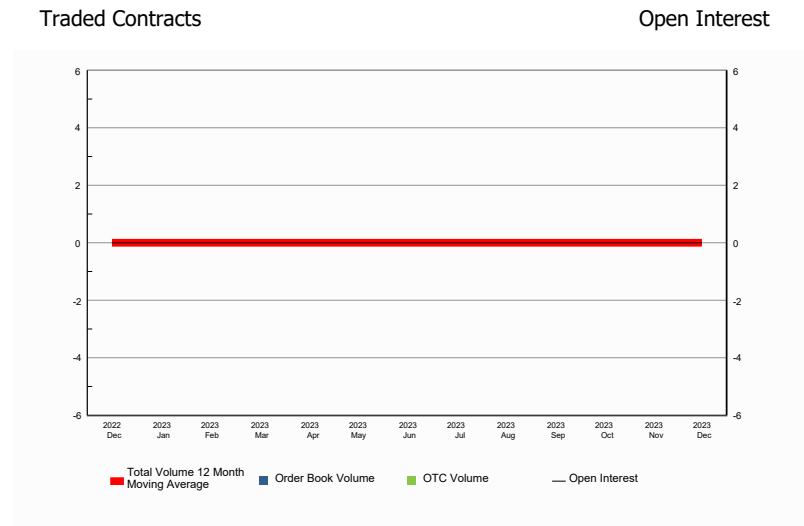
MoM Change      YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

**Traded Contracts & Open Interest**

**Traded Contracts by Account Type**

**Traded Contracts by Product**



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

**Most Active Products (Traded Contracts)**

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2019	0	-100.0%			0				<1	0		

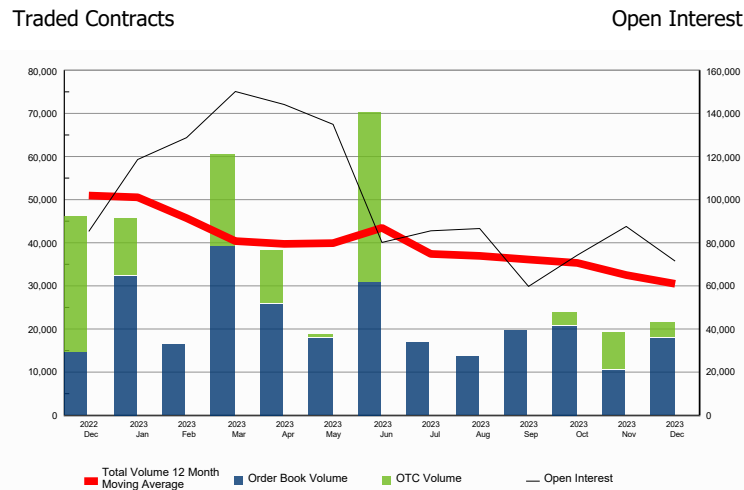
## ETF & ETC Derivatives :: Exchange Traded Funds Options

Number of Products 41  
 Number of Series 20,586  
 Launched Products per Month 0

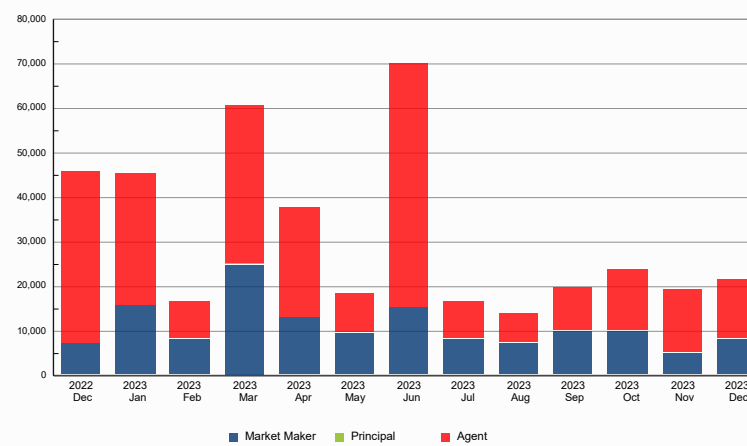
### Volume Development Trend

YoY Change ↓ YTM/YTM prev. Year ↓  
 ↓ < -25% ← >=-25% and < 0% → >=0% and =25% ↑ > 25%

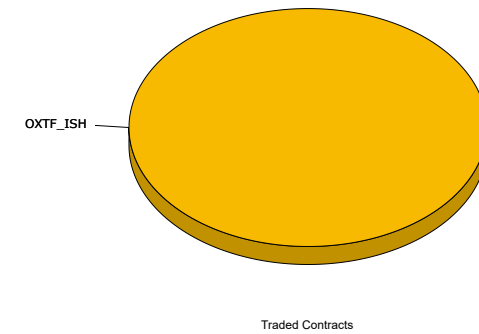
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts			No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	21,776	-52.8%	1,146	647	61.8%	38.2%	0.0%	172	71,486	54.35%	45.65%
Nov 2023	19,344	-63.6%	879	950	72.7%	27.3%	0.0%	154	87,562	26.33%	73.67%
Oct 2023	24,019	-28.4%	1,092	935	57.5%	42.5%	0.0%	155	74,265	3.06%	96.94%
Sep 2023	19,926	-33.7%	949	1,019	50.1%	49.9%	0.0%	122	59,747	41.33%	58.67%
Aug 2023	13,882	-27.9%	604	896	47.5%	52.5%	0.0%	70	86,595	15.40%	84.60%
Jul 2023	16,877	-81.1%	804	650	50.1%	49.9%	0.0%	120	85,535	48.95%	51.05%
Jun 2023	70,315	152.7%	3,196	948	77.8%	22.2%	0.0%	521	80,150	8.93%	91.07%
May 2023	18,734	12.7%	852	1,269	49.9%	50.1%	0.0%	92	134,910	11.83%	88.17%
Apr 2023	38,070	-17.1%	2,115	590	65.9%	34.1%	0.0%	224	144,121	22.32%	77.68%
Mar 2023	60,596	-51.4%	2,635	1,738	58.1%	41.2%	0.7%	316	150,163	26.82%	73.18%
Feb 2023	16,600	-77.7%	830	1,064	49.6%	50.4%	0.0%	105	128,750	49.21%	50.79%
Jan 2023	45,621	-9.7%	2,074	1,625	64.8%	35.2%	0.0%	372	118,615	47.11%	52.89%
Dec 2022	46,100	75.7%	2,195	688	84.3%	15.7%	0.0%	337	85,258	33.97%	66.03%

### Most Active Products (Traded Contracts)

Options on iShares Core FTSE 100 UCITS (Dist)	ISF	10,602
Options on iShares STOXX Europe 600 UCITS ETF (DE)	EXSA	5,394
iShares EUR Corp ETF	OEAC	3,700
iShares Core EURO STOXX50® UCITS ETF (Dist)	EUN2	1,193
Options on iShares Core S & P 500 UCITS ETF	CSPX	400
iShares DAX® UCITS ETF (DE)	EXS1	329
Options on iShares EURO STOXX Banks 30-15 UCITS ETF (DE)	EXX1	157
Options on iShares Core MSCI World UCITS ETF	IWDA	1

Year	Traded Contracts			No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average		Agent	Market Maker	Principal			Calls	Puts
2023	365,760	-40.2%	1,434	12,331	62.5%	37.4%	0.1%	2,422	75,184	27.12%	72.88%
2022	611,386	51.6%	2,379	17,830	74.5%	20.5%	5.0%	4,392	134,882	13.90%	86.10%
2021	403,219	-14.3%	1,575	15,678	55.7%	25.7%	18.6%	2,333	144,712	22.13%	77.87%
2020	470,433	22.2%	1,845	16,546	61.8%	16.8%	21.4%	3,203	134,377	22.34%	77.66%
2019	385,112	532.4%	1,522	2,500	65.8%	10.8%	23.4%	2,464	72,370	20.33%	79.67%

## ETF & ETC Derivatives :: Exchange Traded Funds Options :: CS ETF (CH) Options

Number of Products	1
Number of Series	416
Launched Products per Month	0

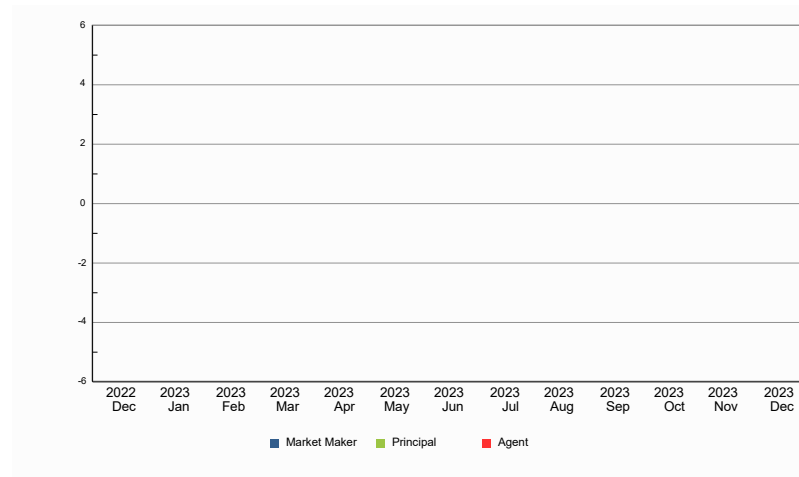
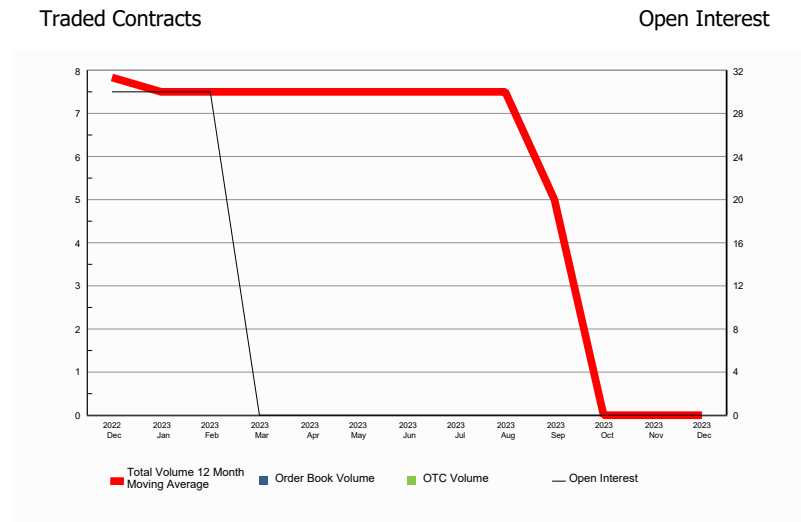
### Volume Development Trend

MoM Change	YTM/YTM prev. Year
↓ < -25%	↓
← >=-25% and < 0%	
→ >=0% and <=25%	
↑ > 25%	

### Traded Contracts & Open Interest

### Traded Contracts by Account Type

### Traded Contracts by Product



No contract volume for reporting period

Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Oct 2023	0	-100.0%			0				<1	0		
Sep 2023	0	-100.0%			0				<1	0		
Mar 2023	0				0				<1	0		
Feb 2023	0				0				<1	30		
Jan 2023	0	-100.0%			0				<1	30		
Dec 2022	0				0				<1	30		

### Most Active Products (Traded Contracts)

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	0	-100.0%			0				<1	30		
2022	94		0	100.00%	4	50.0%	50.0%	0.0%	1	30	95.74%	4.26%
2019	0	-100.0%			0				<1	32		

## ETF & ETC Derivatives :: Exchange Traded Funds Options :: db x-trackers ETF Options

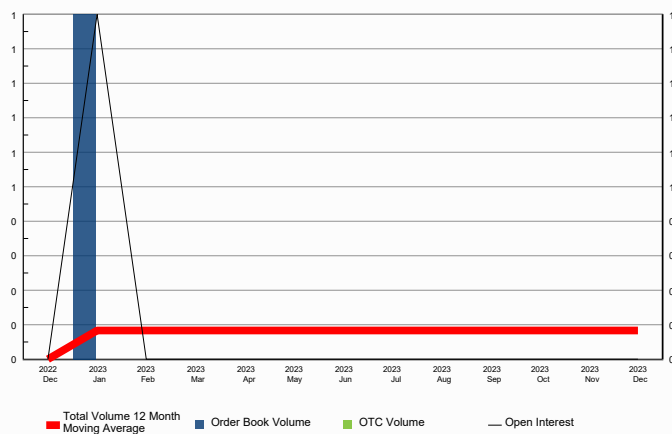
Number of Products	3
Number of Series	736
Launched Products per Month	0

### Volume Development Trend

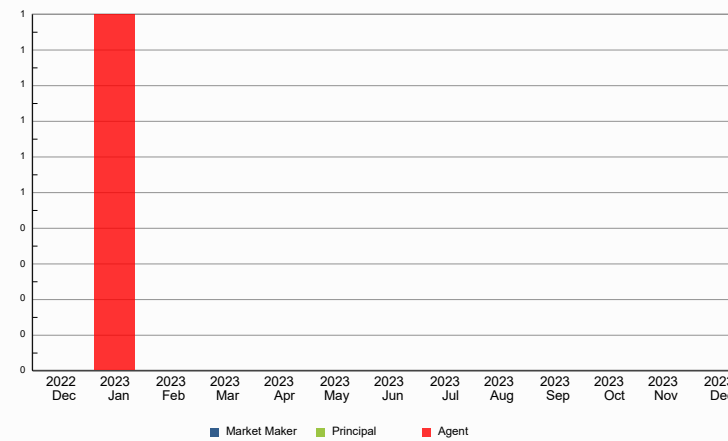
MoM Change	YTM/YTM prev. Year
<span style="color: red;">↓</span> < -25% <span style="color: red;">←</span> >=-25% and < 0% <span style="color: green;">→</span> >=0% and <=25% <span style="color: green;">↑</span> > 25%	

### Traded Contracts & Open Interest

Traded Contracts      Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product

No contract volume for reporting period

Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Feb 2023	0				0				<1	0		
Jan 2023	1		0	100.00%	1	100.0%	0.0%	0.0%	<1	1	100.00%	

### Most Active Products (Traded Contracts)

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	1	-100.0%	0	100.00%	1	100.0%	0.0%	0.0%	<1	1	100.00%	
2022	0	-77.8%			0				<1	0		
2021	8	>1000%	0	100.00%	2	50.0%	50.0%	0.0%	<1	8		100.00%
2020	36	-95.0%	0	100.00%	9	51.4%	48.6%	0.0%	<1	25	61.11%	38.89%
2019	1	0.0%	0	100.00%	1	50.0%	50.0%	0.0%	<1	3	100.00%	

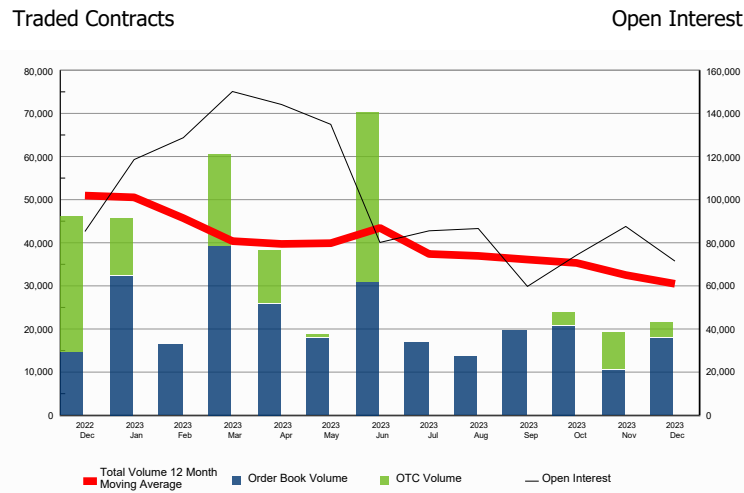
## ETF & ETC Derivatives :: Exchange Traded Funds Options :: iShares ETF Options

Number of Products 37  
 Number of Series 19,434  
 Launched Products per Month 0

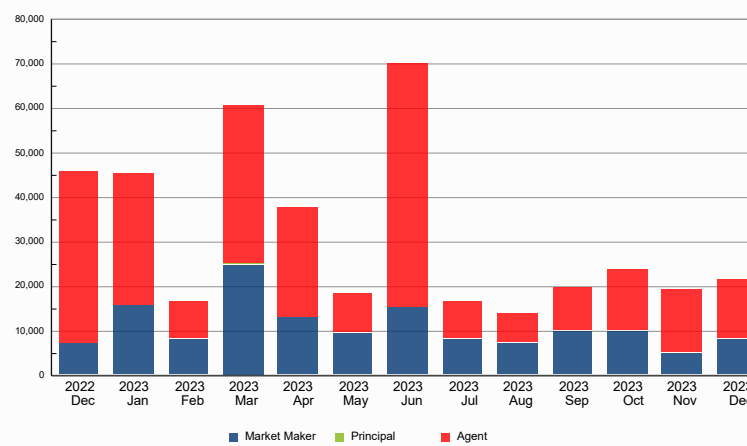
### Volume Development Trend

MoM Change → YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

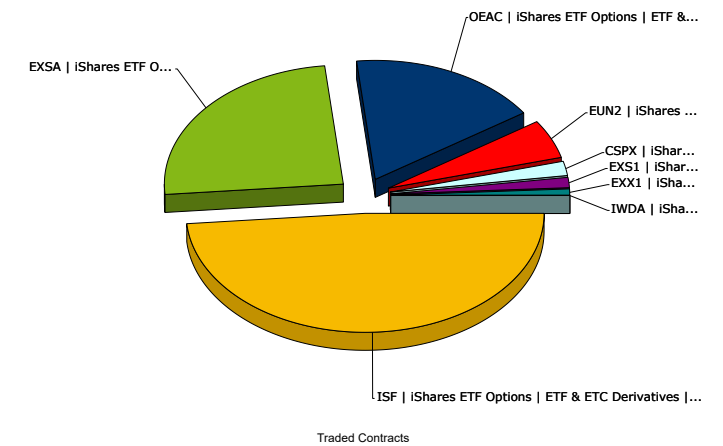
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	21,776	-52.8%	1,146	83.01%	647	61.8%	38.2%	0.0%	172	71,486	54.35%	45.65%
Nov 2023	19,344	-63.6%	879	55.02%	950	72.7%	27.3%	0.0%	154	87,562	26.33%	73.67%
Oct 2023	24,019	-28.3%	1,092	85.29%	935	57.5%	42.5%	0.0%	155	74,265	3.06%	96.94%
Sep 2023	19,926	-33.7%	949	100.00%	1,019	50.1%	49.9%	0.0%	122	59,747	41.33%	58.67%
Aug 2023	13,882	-27.9%	604	100.00%	896	47.5%	52.5%	0.0%	70	86,595	15.40%	84.60%
Jul 2023	16,877	-81.1%	804	100.00%	650	50.1%	49.9%	0.0%	120	85,535	48.95%	51.05%
Jun 2023	70,315	152.7%	3,196	43.99%	948	77.8%	22.2%	0.0%	521	80,150	8.93%	91.07%
May 2023	18,734	12.7%	852	94.66%	1,269	49.9%	50.1%	0.0%	92	134,910	11.83%	88.17%
Apr 2023	38,070	-17.1%	2,115	68.25%	590	65.9%	34.1%	0.0%	224	144,121	22.32%	77.68%
Mar 2023	60,596	-51.4%	2,635	64.59%	1,738	58.1%	41.2%	0.7%	316	150,163	26.82%	73.18%
Feb 2023	16,600	-77.7%	830	100.00%	1,064	49.6%	50.4%	0.0%	105	128,720	49.21%	50.79%
Jan 2023	45,620	-9.7%	2,074	70.58%	1,624	64.8%	35.2%	0.0%	372	118,584	47.11%	52.89%
Dec 2022	46,100	75.7%	2,195	31.59%	688	84.3%	15.7%	0.0%	337	85,228	33.97%	66.03%

### Most Active Products (Traded Contracts)

Options on iShares Core FTSE 100 UCITS (Dist)	ISF	10,602
Options on iShares STOXX Europe 600 UCITS ETF (DE)	EXSA	5,394
iShares EUR Corp ETF	OEAC	3,700
iShares Core EURO STOXX50® UCITS ETF (Dist)	EUN2	1,193
Options on iShares Core S & P 500 UCITS ETF (DE)	CSPX	400
iShares DAX® UCITS ETF (DE)	EXS1	329
Options on iShares EURO STOXX Banks 30-15 UCITS ETF (DE)	EXX1	157
Options on iShares Core MSCI World UCITS ETF	IWDA	1

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	365,759	-40.2%	1,434	71.76%	12,330	62.5%	37.4%	0.1%	2,422	75,153	27.12%	72.88%
2022	611,292	51.6%	2,379	37.57%	17,826	74.5%	20.5%	5.0%	4,391	134,852	13.89%	86.11%
2021	403,211	-14.3%	1,575	47.82%	15,676	55.7%	25.7%	18.6%	2,333	144,704	22.13%	77.87%
2020	470,397	22.1%	1,845	32.24%	16,537	61.8%	16.8%	21.4%	3,203	134,352	22.34%	77.66%
2019	385,111	533.2%	1,522	20.73%	2,499	65.8%	10.8%	23.4%	2,464	72,335	20.33%	79.67%

ETF & ETC Derivatives :: Exchange Traded Funds Options :: Lyxor ETF Options

### Volume Development Trend

MoM Change

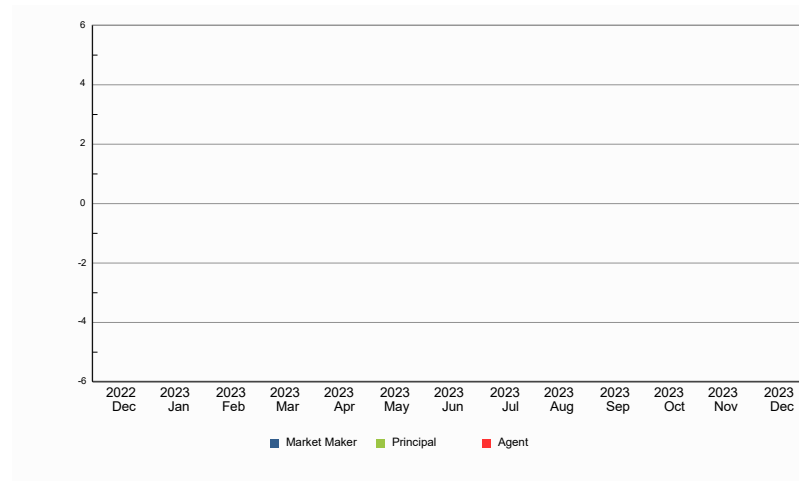
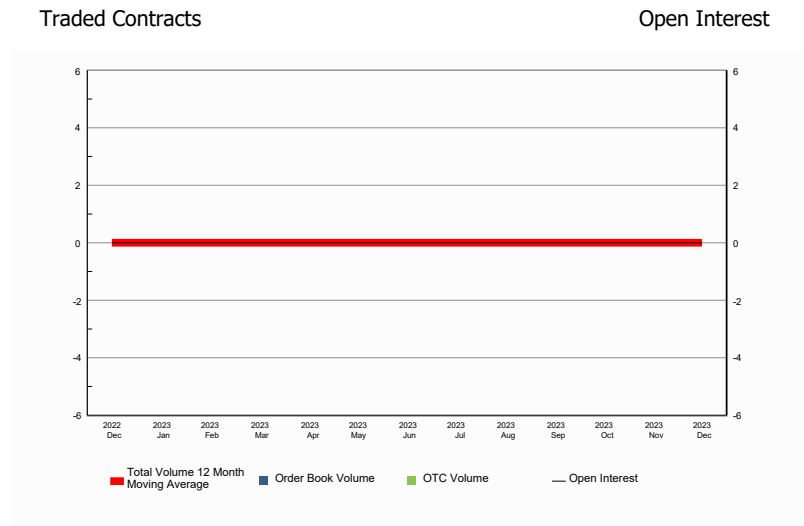
YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

### Traded Contracts & Open Interest

### Traded Contracts by Account Type

### Traded Contracts by Product



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts



ETF & ETC Derivatives :: Exchange Traded Funds Options :: Source ETF Options

### Volume Development Trend

MoM Change

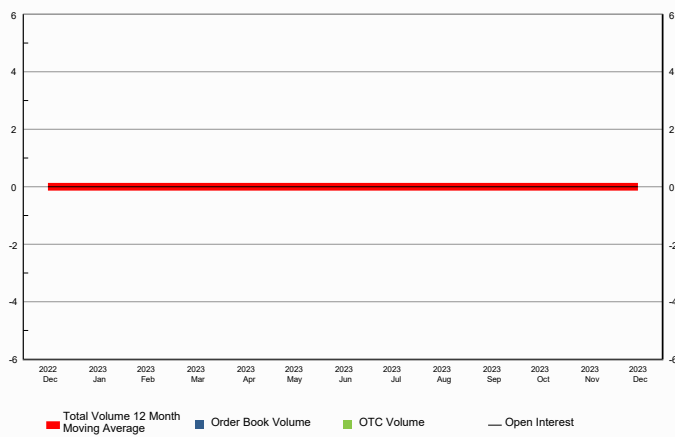
YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

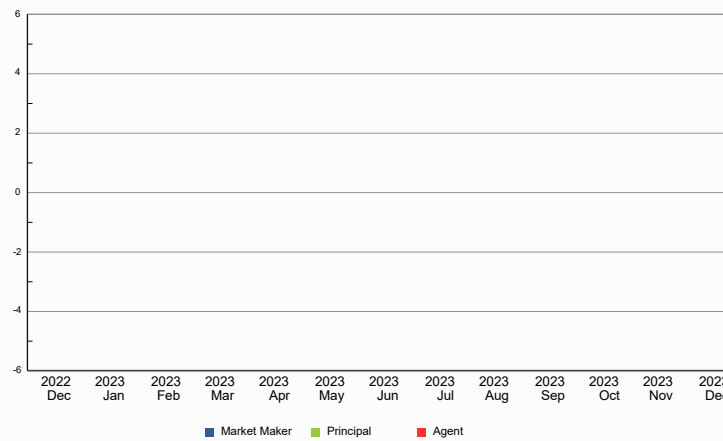
### Traded Contracts & Open Interest

Traded Contracts

Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

## ETF & ETC Derivatives :: Exchange Traded Commodities Futures

Number of Products	3
Number of Series	35
Launched Products per Month	0

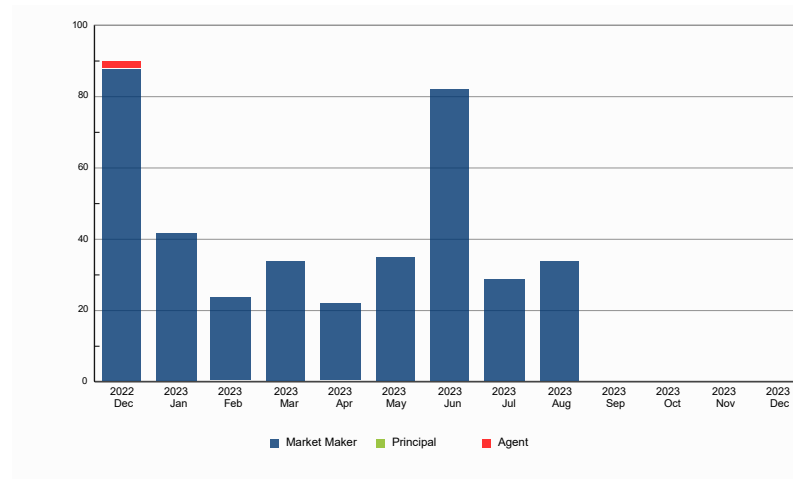
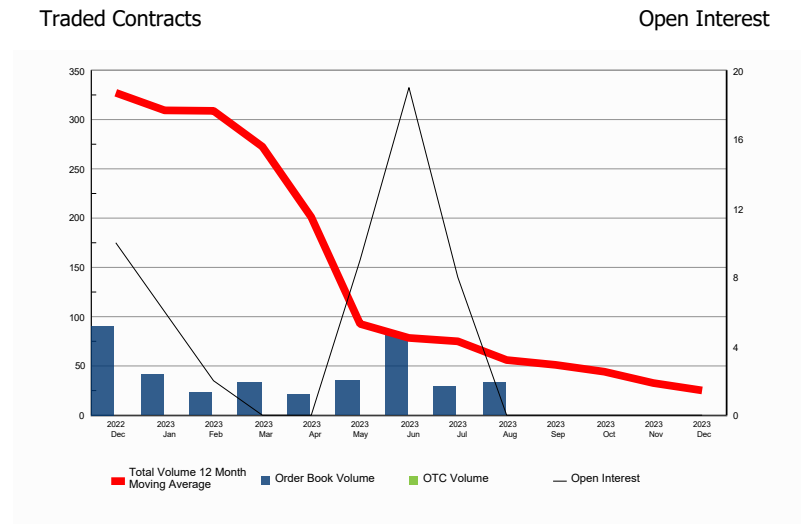
### Volume Development Trend

YoY Change	↓	YTM/YTM prev. Year	↓
	↓ < -25%	← >=-25% and < 0%	→ >=0% and =25%
			↑ > 25%

### Traded Contracts & Open Interest

### Traded Contracts by Account Type

### Traded Contracts by Product Class



No contract volume for reporting period

Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	0	-100.0%			0				<1	0		
Nov 2023	0	-100.0%			0				<1	0		
Oct 2023	0	-100.0%			0				<1	0		
Sep 2023	0	-100.0%			0				<1	0		
Aug 2023	34	-87.0%	1	100.00%	9	0.0%	100.0%	0.0%	<1	0		
Jul 2023	29	-58.6%	1	100.00%	10	0.0%	100.0%	0.0%	<1	8		
Jun 2023	82	-67.6%	4	100.00%	22	0.0%	100.0%	0.0%	2	19		
May 2023	35	-97.4%	2	100.00%	12	0.0%	100.0%	0.0%	<1	9		
Apr 2023	22	-97.5%	1	100.00%	8	0.0%	100.0%	0.0%	<1	0		
Mar 2023	34	-92.8%	1	100.00%	14	0.0%	100.0%	0.0%	<1	0		
Feb 2023	24	-20.0%	1	100.00%	12	0.0%	100.0%	0.0%	<1	2		
Jan 2023	42	-83.6%	2	100.00%	13	0.0%	100.0%	0.0%	<1	6		
Dec 2022	90	-35.3%	4	100.00%	20	2.2%	97.8%	0.0%	1	10		

### Most Active Products (Traded Contracts)

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	302	-92.3%	1	100.00%	100	0.0%	100.0%	0.0%	7	8		
2022	3,926	871.8%	15	100.00%	2,823	30.2%	69.8%	0.0%	119	10		
2021	404		2	100.00%	116	0.1%	98.4%	1.5%	20	24		

ETF & ETC Derivatives :: Exchange Traded Commodities Futures :: Deutsche Borse Commodities Futures

Number of Products: 1  
 Number of Series: 5  
 Launched Products per Month: 0

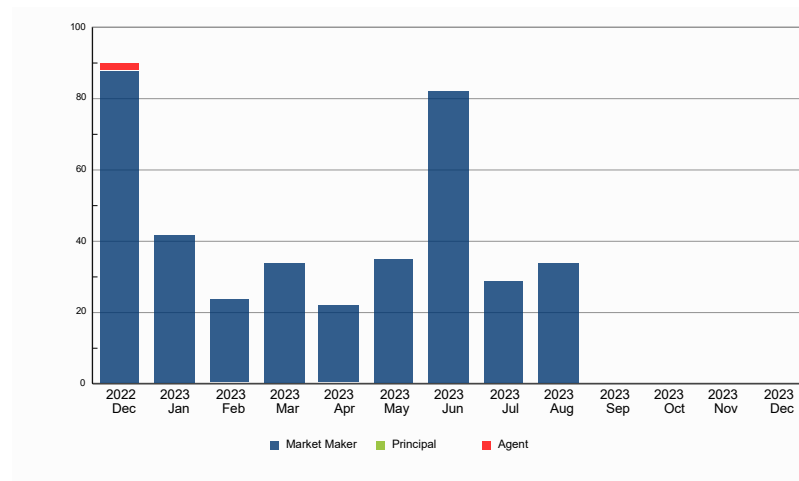
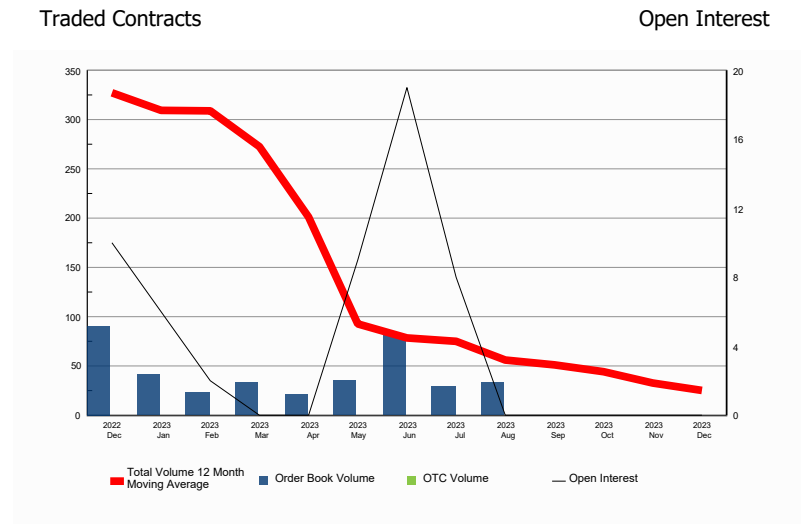
### Volume Development Trend

MoM Change: YTM/YTM prev. Year ↓  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

### Traded Contracts & Open Interest

### Traded Contracts by Account Type

### Traded Contracts by Product



No contract volume for reporting period

Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	0	-100.0%			0				<1	0		
Nov 2023	0	-100.0%			0				<1	0		
Oct 2023	0	-100.0%			0				<1	0		
Sep 2023	0	-100.0%			0				<1	0		
Aug 2023	34	-87.0%	1	100.00%	9	0.0%	100.0%	0.0%	<1	0		
Jul 2023	29	-58.6%	1	100.00%	10	0.0%	100.0%	0.0%	<1	8		
Jun 2023	82	-67.6%	4	100.00%	22	0.0%	100.0%	0.0%	2	19		
May 2023	35	-97.4%	2	100.00%	12	0.0%	100.0%	0.0%	<1	9		
Apr 2023	22	-97.5%	1	100.00%	8	0.0%	100.0%	0.0%	<1	0		
Mar 2023	34	-92.8%	1	100.00%	14	0.0%	100.0%	0.0%	<1	0		
Feb 2023	24	-20.0%	1	100.00%	12	0.0%	100.0%	0.0%	<1	2		
Jan 2023	42	-83.6%	2	100.00%	13	0.0%	100.0%	0.0%	<1	6		
Dec 2022	90	-35.3%	4	100.00%	20	2.2%	97.8%	0.0%	1	10		

### Most Active Products (Traded Contracts)

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	302	-92.3%	1	100.00%	100	0.0%	100.0%	0.0%	7	8		
2022	3,926	871.8%	15	100.00%	2,823	30.2%	69.8%	0.0%	119	10		
2021	404		2	100.00%	116	0.1%	98.4%	1.5%	20	24		

ETF & ETC Derivatives :: Exchange Traded Commodities Futures :: ETF Securities Futures

Number of Products	2
Number of Series	30
Launched Products per Month	0

**Volume Development Trend**

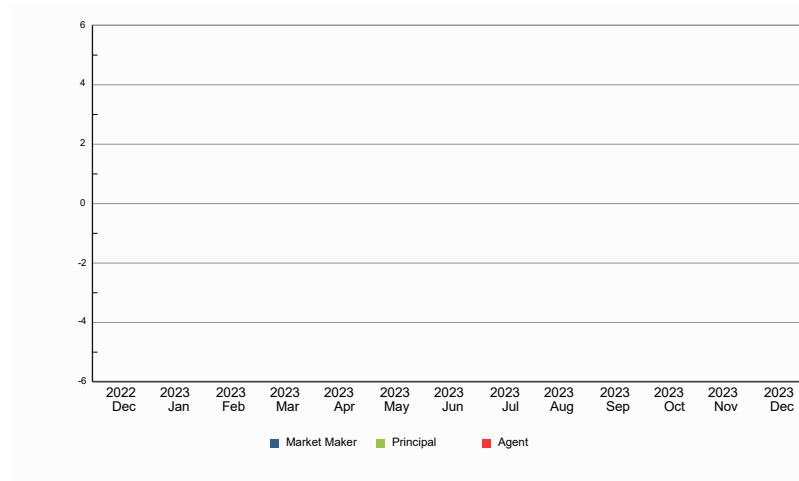
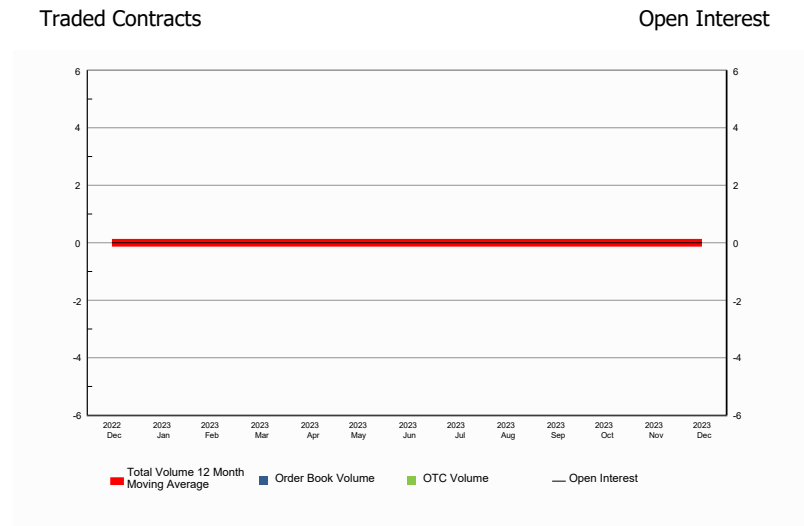
MoM Change      YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

**Traded Contracts & Open Interest**

**Traded Contracts by Account Type**

**Traded Contracts by Product**



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

**Most Active Products (Traded Contracts)**

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

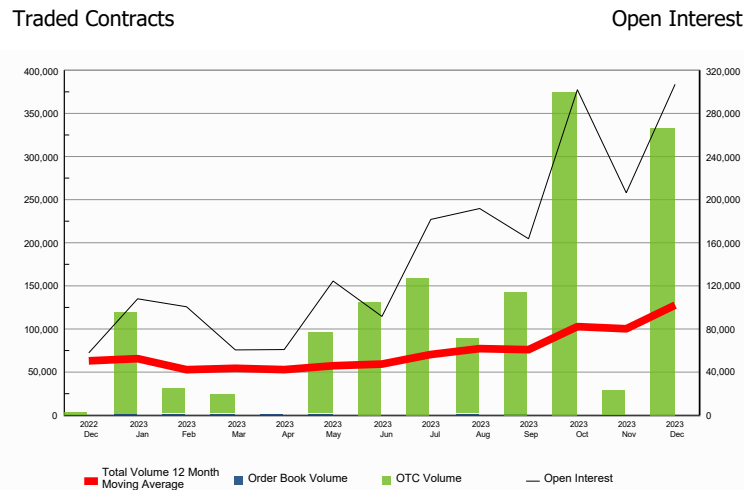
## ETF & ETC Derivatives :: Exchange Traded Commodities Options

Number of Products	8
Number of Series	9,060
Launched Products per Month	0

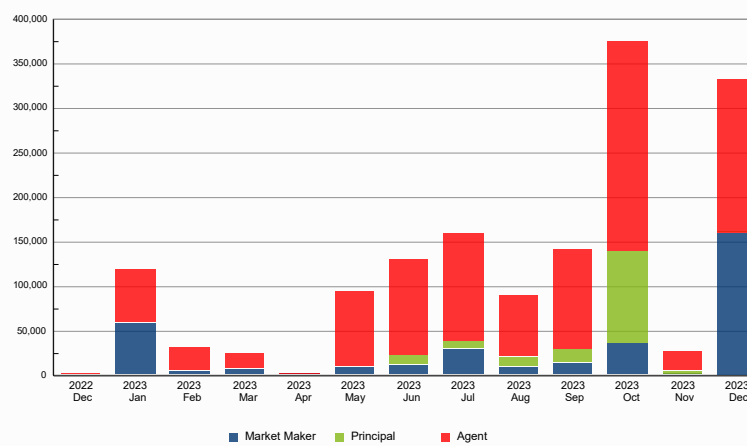
### Volume Development Trend

YoY Change ↑ YTM/YTM prev. Year ↑  
 ↓ < -25% ← >=-25% and < 0% → >=0% and =25% ↑ > 25%

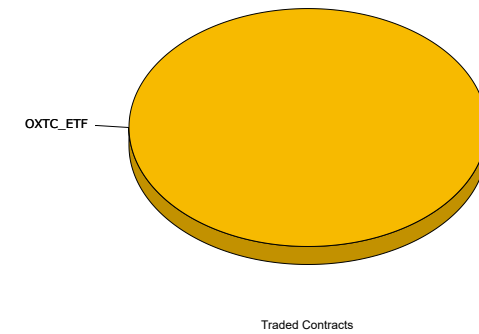
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	332,968	>1000%	17,525	0.00%	12	51.6%	48.1%	0.3%	1,250	307,023	81.95%	18.05%
Nov 2023	28,005	-51.7%	1,273	0.00%	7	83.9%	3.6%	12.5%	100	206,333	48.22%	51.78%
Oct 2023	374,853	592.8%	17,039	0.00%	55	62.8%	9.6%	27.7%	1,313	301,973	18.91%	81.09%
Sep 2023	142,058	-9.3%	6,765	0.01%	10	78.9%	10.6%	10.6%	482	163,717	8.49%	91.51%
Aug 2023	90,100	960.4%	3,917	0.11%	8	77.7%	11.2%	11.1%	301	191,759		100.00%
Jul 2023	160,000	497.0%	7,619	0.00%	11	75.0%	18.8%	6.3%	518	181,659		100.00%
Jun 2023	130,432	21.9%	5,929	0.00%	15	82.7%	9.6%	7.7%	467	91,660	57.83%	42.17%
May 2023	96,086	127.5%	4,368	0.21%	12	89.5%	10.5%	0.0%	332	124,502	6.33%	93.67%
Apr 2023	353	-98.1%	20	100.00%	11	71.2%	28.8%	0.0%	<1	60,940	99.43%	0.57%
Mar 2023	25,304	279.2%	1,100	1.20%	8	69.8%	30.2%	0.0%	87	60,587	1.20%	98.80%
Feb 2023	31,760	-82.8%	1,588	0.63%	8	83.9%	16.1%	0.0%	111	100,608	21.28%	78.72%
Jan 2023	120,151	33.4%	5,461	0.13%	10	49.9%	50.1%	0.0%	410	107,999	0.08%	99.92%
Dec 2022	4,000	-93.3%	190	0.00%	2	100.0%	0.0%	0.0%	15	57,848	100.00%	

### Most Active Products (Traded Contracts)

ISHARES PHYSICAL GOLD	IGLN	332,968
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Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	1,532,070	102.4%	6,008	0.09%	167	67.3%	22.7%	10.0%	5,372	307,025	29.92%	70.08%
2022	756,968	-47.9%	2,945	0.69%	114	68.9%	29.7%	1.3%	2,701	57,866	24.27%	75.73%
2021	1,453,497	-81.2%	5,678	0.45%	204	72.0%	26.5%	1.4%	4,228	60,113	29.57%	70.43%
2020	7,731,718	-4.2%	30,320	0.37%	424	54.9%	40.3%	4.8%	22,368	164,200	25.66%	74.34%
2019	8,071,688	480.0%	31,904	0.20%	237	58.2%	31.2%	10.6%	20,006	430,513	1.26%	98.74%

## ETF & ETC Derivatives :: Exchange Traded Commodities Options :: Deutsche Borse Commodities Options

Number of Products	1
Number of Series	1,992
Launched Products per Month	0

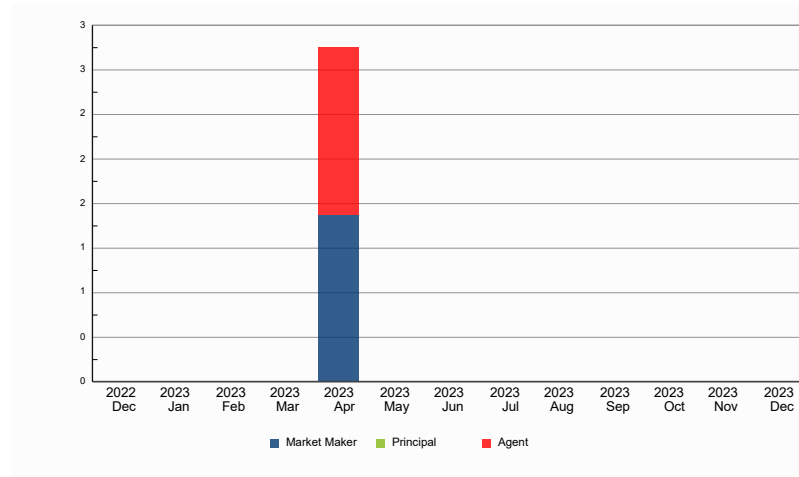
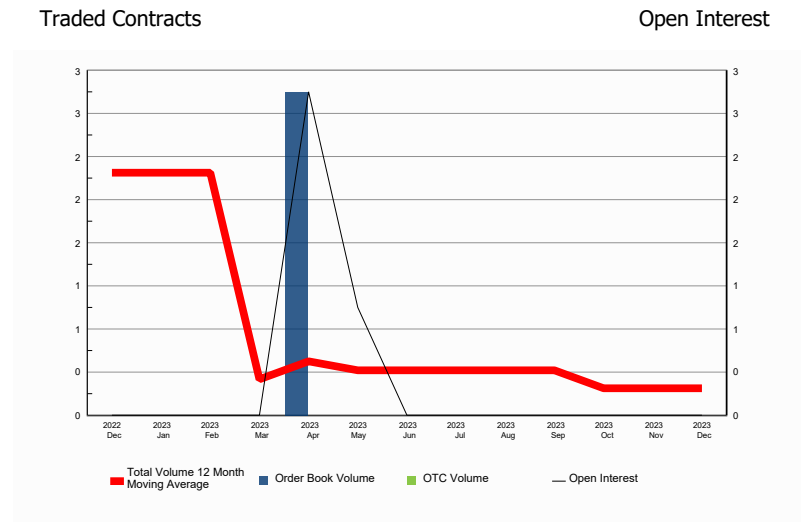
### Volume Development Trend

MoM Change	YTM/YTM prev. Year
↓ < -25%	↔ >=-25% and < 0%
↗ >=0% and <=25%	↑ > 25%

### Traded Contracts & Open Interest

### Traded Contracts by Account Type

### Traded Contracts by Product



No contract volume for reporting period

Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Oct 2023	0	-100.0%			0				<1	0		
Jun 2023	0				0				<1	0		
May 2023	0	-100.0%			0				<1	1		
Apr 2023	3	200.0%	0	100.00%	3	50.0%	50.0%	0.0%	<1	3	33.33%	66.67%
Mar 2023	0	-100.0%			0				<1	0		
Dec 2022	0				0				<1	0		

### Most Active Products (Traded Contracts)

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	3	-88.9%	0	100.00%	3	50.0%	50.0%	0.0%	<1	1	33.33%	66.67%
2022	27	50.0%	0	100.00%	11	50.0%	50.0%	0.0%	<1	2	40.74%	59.26%
2021	18	-88.8%	0	100.00%	15	58.3%	41.7%	0.0%	<1	1	33.33%	66.67%
2020	161	-87.1%	1	100.00%	33	59.0%	41.0%	0.0%	<1	8	31.68%	68.32%
2019	1,252	0.0%	5	100.00%	30	50.2%	44.9%	4.9%	5	2	77.32%	22.68%

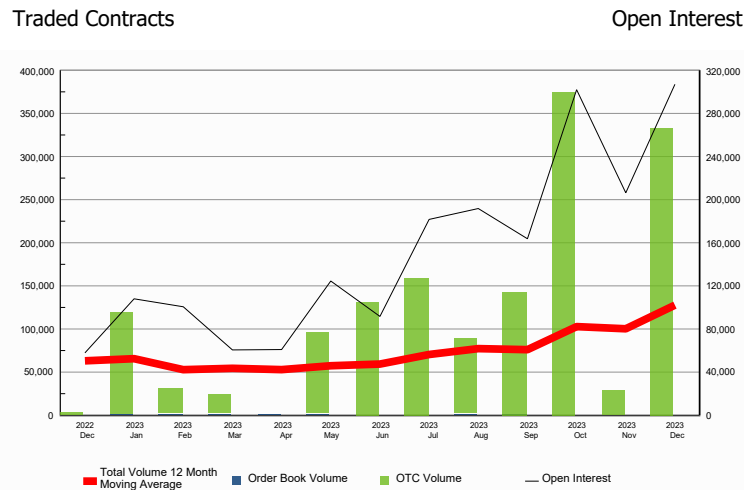
## ETF & ETC Derivatives :: Exchange Traded Commodities Options :: ETF Securities Options

Number of Products	7
Number of Series	7,068
Launched Products per Month	0

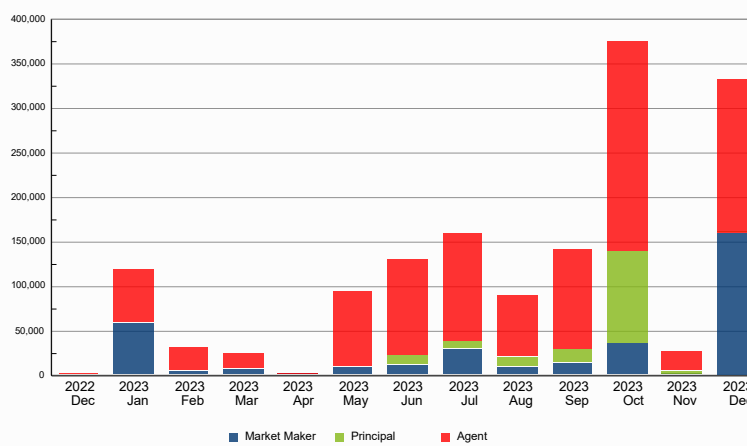
### Volume Development Trend

MoM Change ↑      YTM/YTM prev. Year ↑  
↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

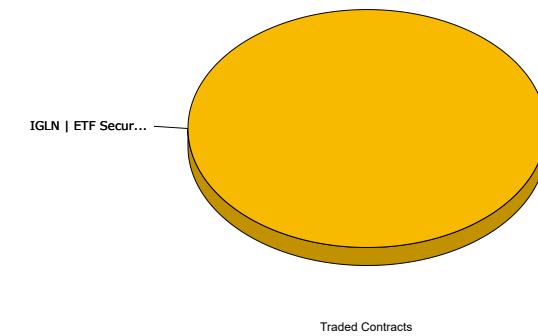
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	332,968	>1000%	17,525	0.00%	12	51.6%	48.1%	0.3%	1,250	307,023	81.95%	18.05%
Nov 2023	28,005	-51.7%	1,273	0.00%	7	83.9%	3.6%	12.5%	100	206,333	48.22%	51.78%
Oct 2023	374,853	592.9%	17,039	0.00%	55	62.8%	9.6%	27.7%	1,313	301,973	18.91%	81.09%
Sep 2023	142,058	-9.3%	6,765	0.01%	10	78.9%	10.6%	10.6%	482	163,717	8.49%	91.51%
Aug 2023	90,100	960.4%	3,917	0.11%	8	77.7%	11.2%	11.1%	301	191,759		100.00%
Jul 2023	160,000	497.0%	7,619	0.00%	11	75.0%	18.8%	6.3%	518	181,659		100.00%
Jun 2023	130,432	21.9%	5,929	0.00%	15	82.7%	9.6%	7.7%	467	91,660	57.83%	42.17%
May 2023	96,086	127.5%	4,368	0.21%	12	89.5%	10.5%	0.0%	332	124,501	6.33%	93.67%
Apr 2023	350	-98.1%	19	100.00%	8	71.4%	28.6%	0.0%	<1	60,937	100.00%	
Mar 2023	25,304	280.5%	1,100	1.20%	8	69.8%	30.2%	0.0%	87	60,587	1.20%	98.80%
Feb 2023	31,760	-82.8%	1,588	0.63%	8	83.9%	16.1%	0.0%	111	100,608	21.28%	78.72%
Jan 2023	120,151	33.4%	5,461	0.13%	10	49.9%	50.1%	0.0%	410	107,999	0.08%	99.92%
Dec 2022	4,000	-93.3%	190	0.00%	2	100.0%	0.0%	0.0%	15	57,848	100.00%	

### Most Active Products (Traded Contracts)

ISHARES PHYSICAL GOLD	IGLN	332,968
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Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	1,532,067	102.4%	6,008	0.09%	164	67.3%	22.7%	10.0%	5,372	307,024	29.92%	70.08%
2022	756,941	-47.9%	2,945	0.68%	103	68.9%	29.7%	1.3%	2,701	57,864	24.27%	75.73%
2021	1,453,479	-81.2%	5,678	0.45%	189	72.0%	26.5%	1.4%	4,228	60,112	29.57%	70.43%
2020	7,731,557	-4.2%	30,320	0.37%	391	54.9%	40.3%	4.8%	22,367	164,192	25.66%	74.34%
2019	8,070,436	479.9%	31,899	0.18%	207	58.2%	31.2%	10.6%	20,001	430,511	1.25%	98.75%

## Commodity Derivatives

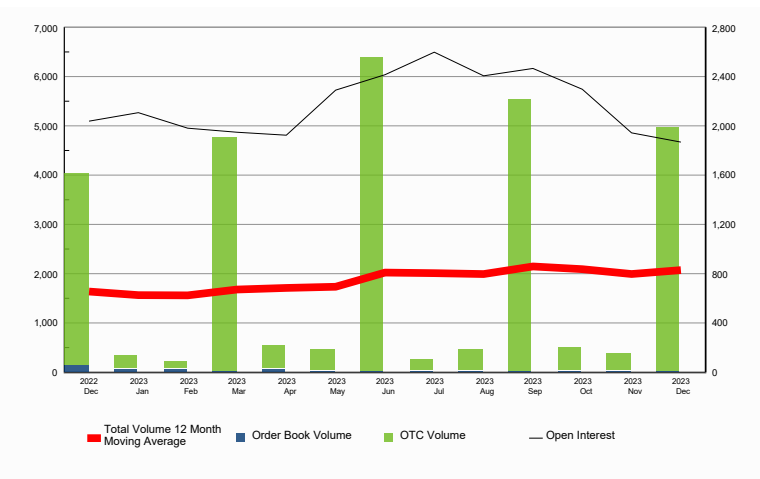
Number of Products	23
Number of Series	606
Launched Products per Month	0

### Volume Development Trend

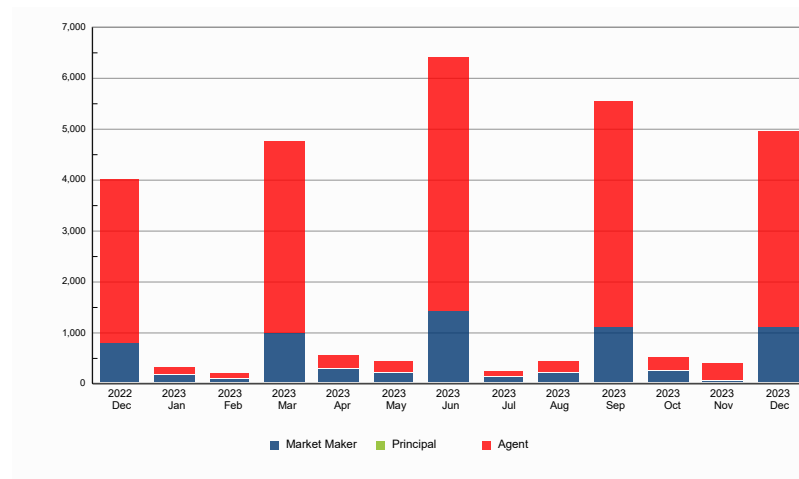
YoY Change → YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

### Traded Contracts & Open Interest

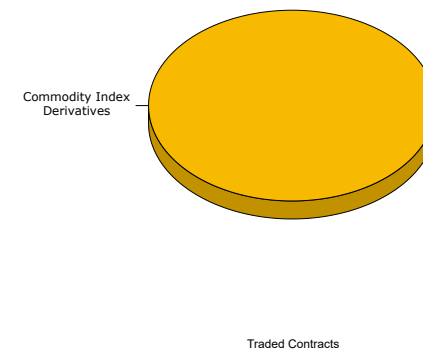
Traded Contracts      Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Type



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Options	Futures
Dec 2023	4,975	23.5%	262	0.74%	52	77.7%	22.3%	0.0%	210	1,868	0.00%	100.00%
Nov 2023	399	-74.7%	18	6.77%	16	87.6%	12.4%	0.0%	19	1,943	0.00%	100.00%
Oct 2023	509	-56.5%	23	1.18%	17	51.1%	48.9%	0.0%	20	2,297	0.00%	100.00%
Sep 2023	5,535	50.2%	264	0.54%	38	79.8%	20.2%	0.0%	247	2,466	0.00%	100.00%
Aug 2023	456	-32.6%	20	3.95%	20	49.8%	50.2%	0.0%	18	2,406	0.00%	100.00%
Jul 2023	267	-34.6%	13	11.61%	16	53.6%	46.4%	0.0%	10	2,598	0.00%	100.00%
Jun 2023	6,409	116.9%	291	0.17%	54	77.6%	22.4%	0.0%	281	2,415	0.00%	100.00%
May 2023	450	176.1%	20	5.33%	19	51.1%	48.9%	0.0%	16	2,290	0.00%	100.00%
Apr 2023	569	214.4%	32	10.54%	32	51.1%	48.9%	0.0%	21	1,924	0.00%	100.00%
Mar 2023	4,757	42.6%	207	0.15%	45	79.1%	20.9%	0.0%	213	1,948	0.00%	100.00%
Feb 2023	212	-20.3%	11	31.60%	24	50.0%	50.0%	0.0%	9	1,981	0.00%	100.00%
Jan 2023	328	-72.8%	15	17.07%	16	50.0%	50.0%	0.0%	13	2,107	0.00%	100.00%
Dec 2022	4,027	-13.2%	192	3.45%	48	80.5%	19.5%	0.0%	189	2,038	0.00%	100.00%

### Most Active Products (Traded Contracts)

Bloomberg Precious Metals Subindex	Future	FCPR	2,761
Bloomberg Industrial Metals Subindex	Future	FCIN	1,435
Bloomberg Petroleum Subindex	Future	FCPE	434
Bloomberg Energy Subindex	Future	XLEN	304
Bloomberg ex-Agriculture & Livestock Subindex	Future	FCXB	41

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Options	Futures
2023	24,866	26.5%	98	1.50%	349	75.5%	24.5%	0.0%	1,076	1,868	0.00%	100.00%
2022	19,651	-40.0%	76	10.44%	364	67.1%	32.9%	0.0%	1,147	2,821	0.00%	100.00%
2021	32,729	1.7%	128	7.31%	336	53.1%	46.9%	0.0%	1,798	2,722	0.00%	100.00%
2020	32,170	-30.5%	126	7.78%	374	49.9%	49.4%	0.6%	1,169	2,023	0.00%	100.00%
2019	46,287	-9.9%	183	5.69%	385	50.6%	49.3%	0.1%	2,276	2,025	0.00%	100.00%



## Commodity Derivatives :: Commodity Index Derivatives

Number of Products 23  
 Number of Series 606  
 Launched Products per Month 0

### Volume Development Trend

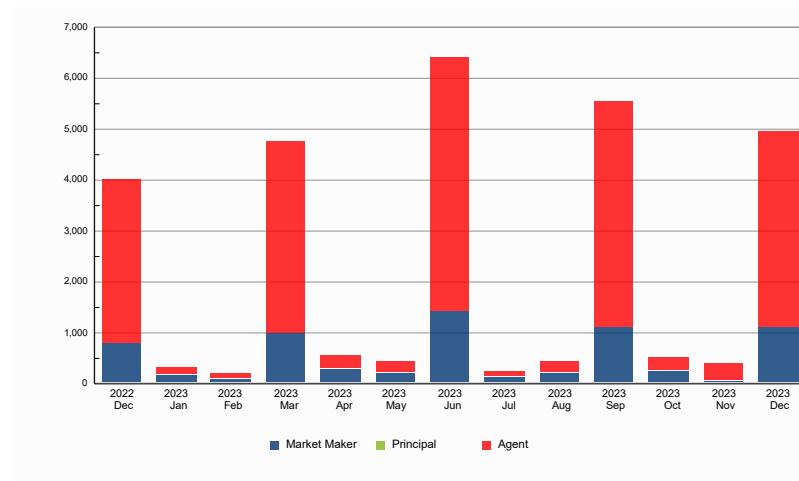
YoY Change → YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ > 25%

### Traded Contracts & Open Interest

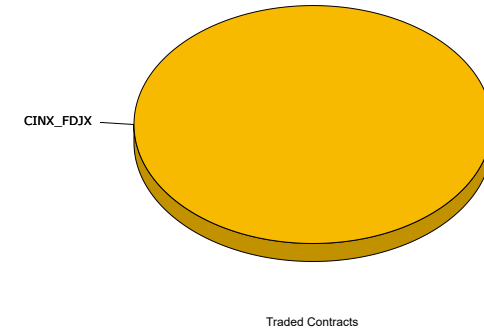
Traded Contracts      Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	4,975	23.5%	262	0.74%	52	77.7%	22.3%	0.0%	210	1,868		
Nov 2023	399	-74.7%	18	6.77%	16	87.6%	12.4%	0.0%	19	1,943		
Oct 2023	509	-56.5%	23	1.18%	17	51.1%	48.9%	0.0%	20	2,297		
Sep 2023	5,535	50.2%	264	0.54%	38	79.8%	20.2%	0.0%	247	2,466		
Aug 2023	456	-32.6%	20	3.95%	20	49.8%	50.2%	0.0%	18	2,406		
Jul 2023	267	-34.6%	13	11.61%	16	53.6%	46.4%	0.0%	10	2,598		
Jun 2023	6,409	116.9%	291	0.17%	54	77.6%	22.4%	0.0%	281	2,415		
May 2023	450	176.1%	20	5.33%	19	51.1%	48.9%	0.0%	16	2,290		
Apr 2023	569	214.4%	32	10.54%	32	51.1%	48.9%	0.0%	21	1,924		
Mar 2023	4,757	42.6%	207	0.15%	45	79.1%	20.9%	0.0%	213	1,948		
Feb 2023	212	-20.3%	11	31.60%	24	50.0%	50.0%	0.0%	9	1,981		
Jan 2023	328	-72.8%	15	17.07%	16	50.0%	50.0%	0.0%	13	2,107		
Dec 2022	4,027	-13.2%	192	3.45%	48	80.5%	19.5%	0.0%	189	2,038		

Most Active Products (Traded Contracts)		
Bloomberg Precious Metals Subindex	FCPR	2,761
Bloomberg Industrial Metals Subindex	FCIN	1,435
Bloomberg Petroleum Subindex	FCPE	434
Bloomberg Energy Subindex	XLEN	304
Bloomberg ex-Agriculture & Livestock Subindex	FCXB	41

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
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2020	32,170	-30.5%	126	7.78%	374	49.9%	49.4%	0.6%	1,169	2,023		
2019	46,287	-9.9%	183	5.69%	385	50.6%	49.3%	0.1%	2,276	2,025		

Commodity Derivatives :: Commodity Index Derivatives :: Commodity Index Futures

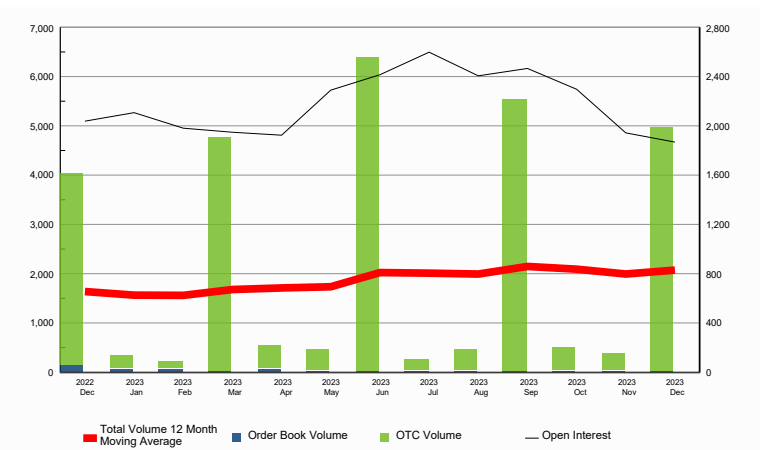
Number of Products 22  
 Number of Series 250  
 Launched Products per Month 0

### Volume Development Trend

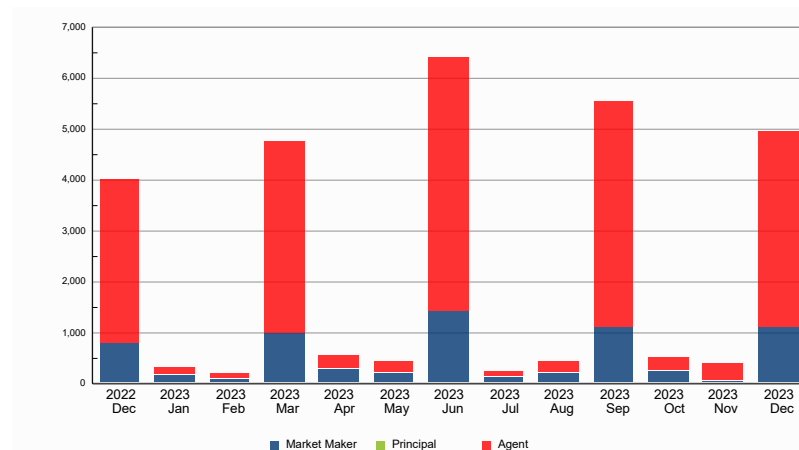
MoM Change ↑ YTM/YTM prev. Year ↑  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

### Traded Contracts & Open Interest

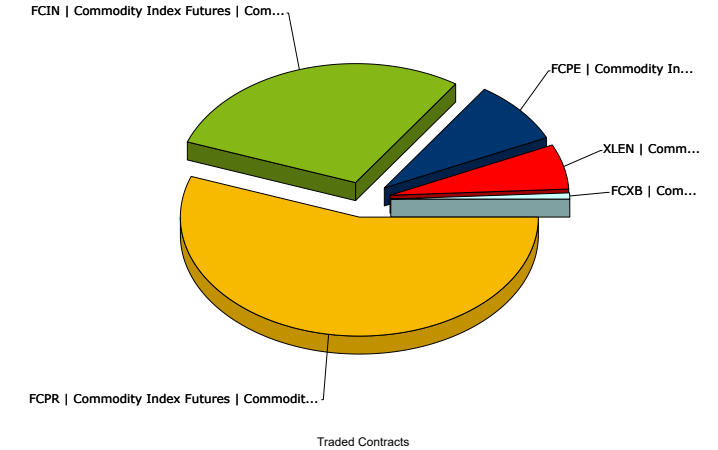
Traded Contracts Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
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Most Active Products (Traded Contracts)		
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Bloomberg Petroleum Subindex	FCPE	434
Bloomberg Energy Subindex	XLEN	304
Bloomberg ex-Agriculture & Livestock Subindex	FCXB	41

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2019	46,287	-9.9%	183	5.69%	385	50.6%	49.3%	0.1%	2,276	2,025		

Commodity Derivatives :: Commodity Index Derivatives :: Commodity Index Options

Number of Products	1
Number of Series	356
Launched Products per Month	0

**Volume Development Trend**

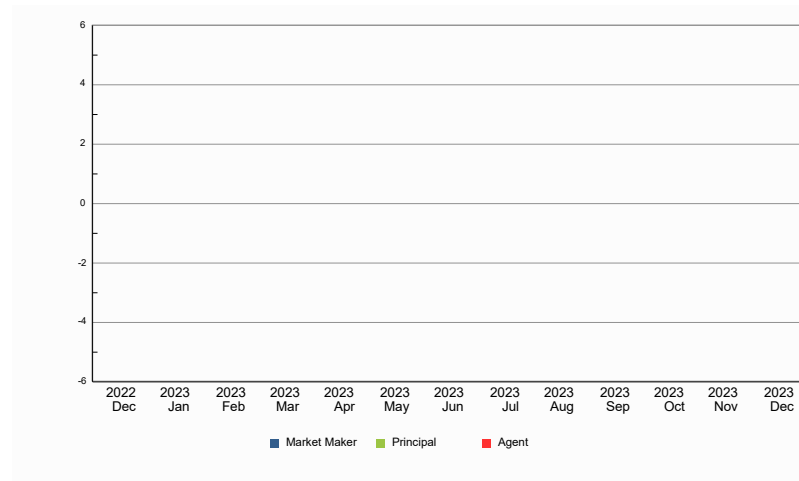
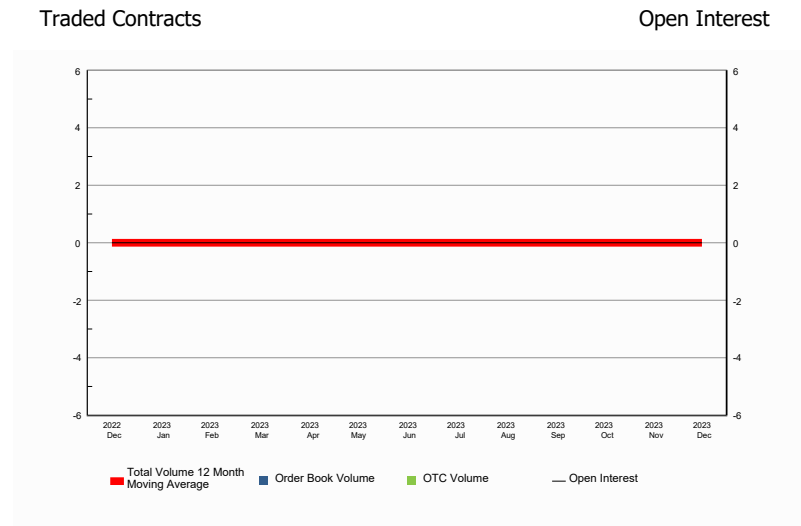
MoM Change      YTM/YTM prev. Year

↓ < -25%   
 ← >=-25% and < 0%   
 → >=0% and <=25%   
 ↑ > 25%

**Traded Contracts & Open Interest**

**Traded Contracts by Account Type**

**Traded Contracts by Product**



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

**Most Active Products (Traded Contracts)**

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

Commodity Derivatives :: Precious Metals Derivatives

**Volume Development Trend**

YoY Change

YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and =25%  
 ↑ > 25%

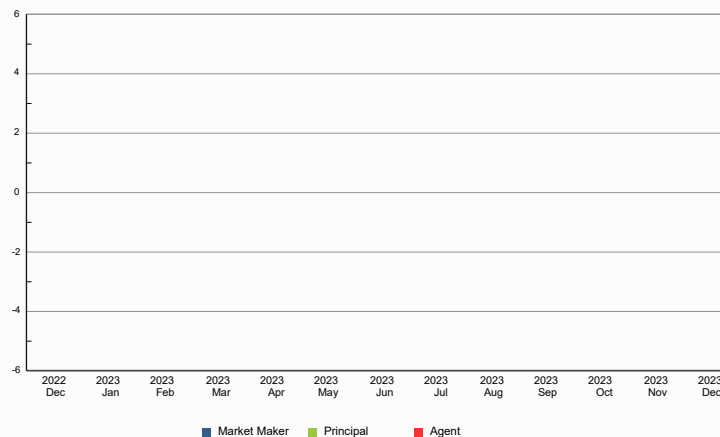
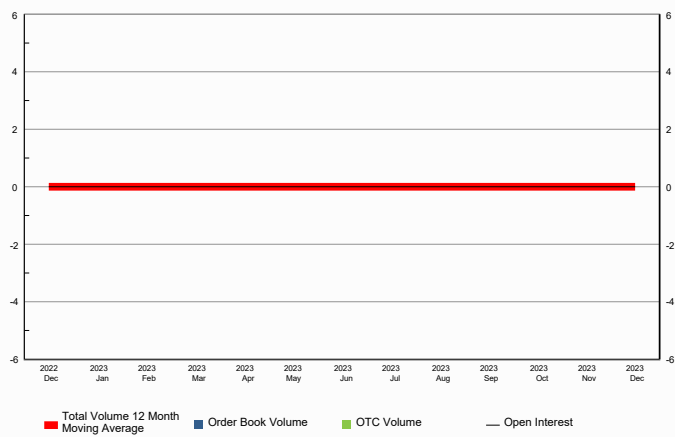
**Traded Contracts & Open Interest**

**Traded Contracts by Account Type**

**Traded Contracts by Product Class**

Traded Contracts

Open Interest



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

**Most Active Products (Traded Contracts)**

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

Commodity Derivatives :: Precious Metals Derivatives :: Precious Metals Futures

### Volume Development Trend

MoM Change

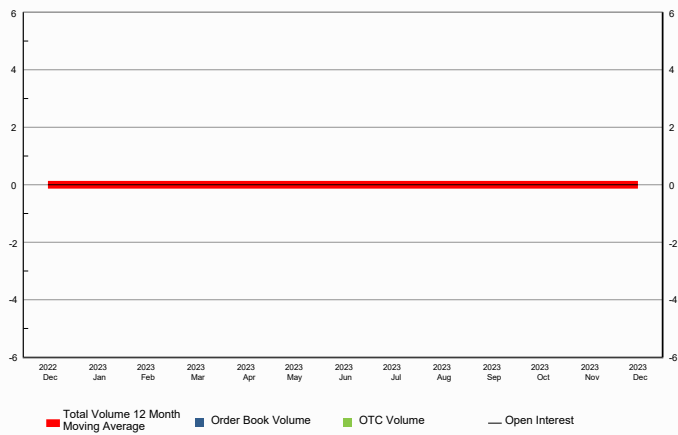
YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

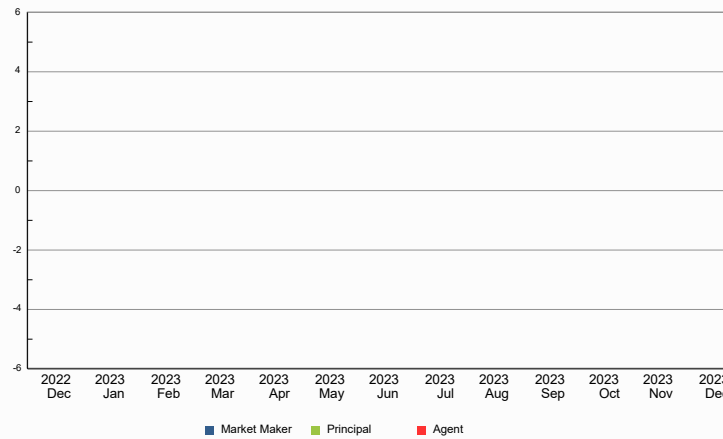
### Traded Contracts & Open Interest

Traded Contracts

Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

Commodity Derivatives :: Precious Metals Derivatives :: Precious Metals Options

### Volume Development Trend

MoM Change

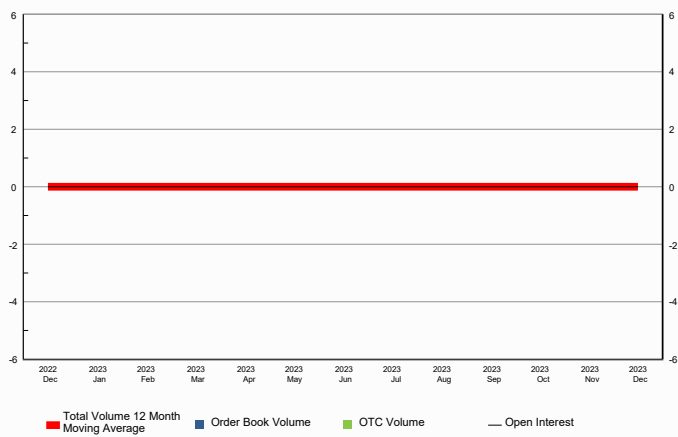
YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

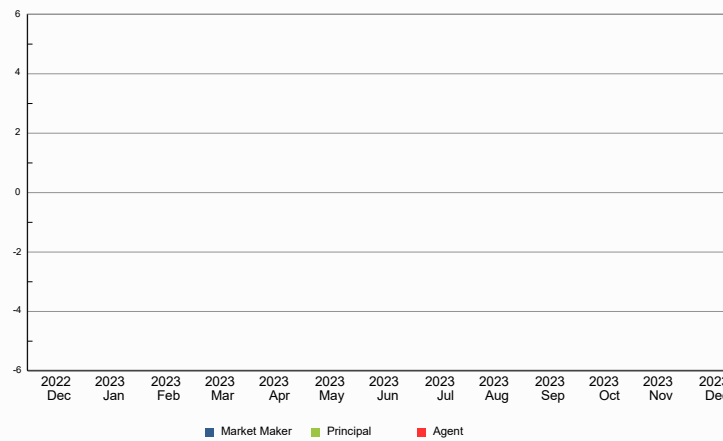
### Traded Contracts & Open Interest

Traded Contracts

Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

## Property Derivatives

### Volume Development Trend

YoY Change

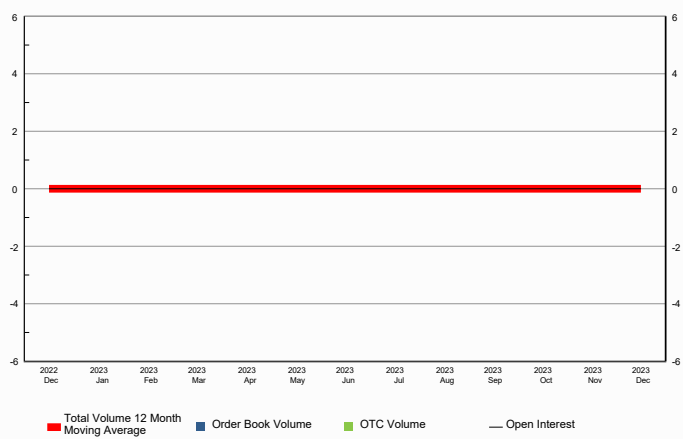
YTM/YTM prev. Year

↘ < -25%  
 ↔ >=-25% and < 0%  
 ↗ >=0% and <=25%  
 ↗ > 25%

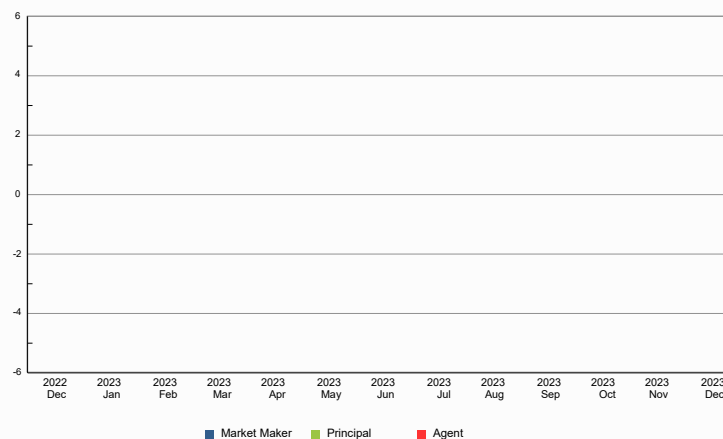
### Traded Contracts & Open Interest

Traded Contracts

Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Type

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Options	Futures

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Options	Futures
2019	0	-100.0%			0				<1	0		

Property Derivatives :: Property Futures

**Volume Development Trend**

YoY Change

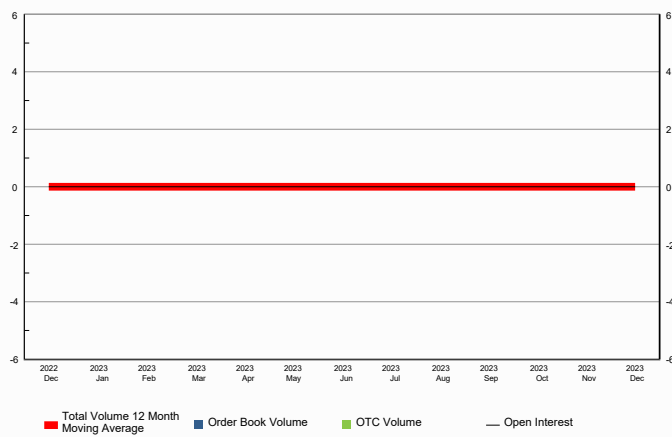
YTM/YTM prev. Year

↘ < -25%  
 ← >=-25% and < 0%  
 → >=0% and =25%  
 ↗ > 25%

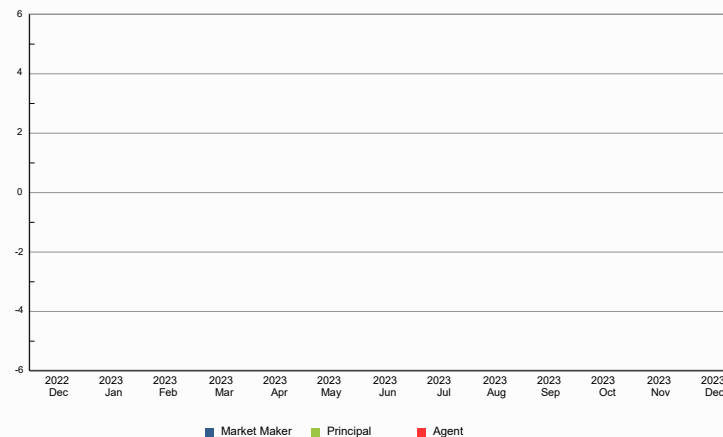
**Traded Contracts & Open Interest**

Traded Contracts

Open Interest



**Traded Contracts by Account Type**



**Traded Contracts by Product Class**

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

**Most Active Products (Traded Contracts)**

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2019	0	-100.0%			0				<1	0		



Property Derivatives :: Property Futures :: Futures on IPD Indexes

### Volume Development Trend

MoM Change

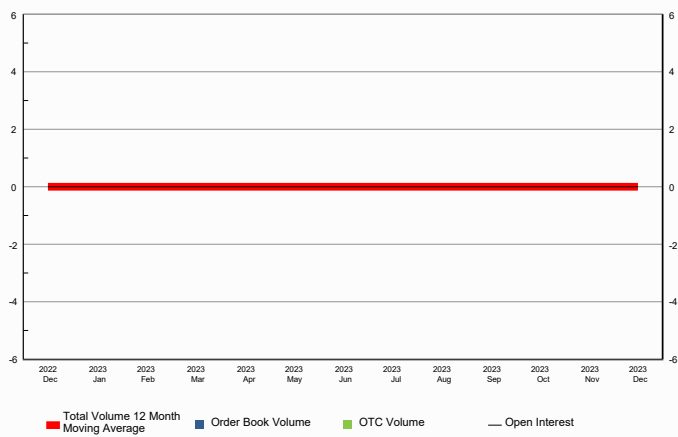
YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

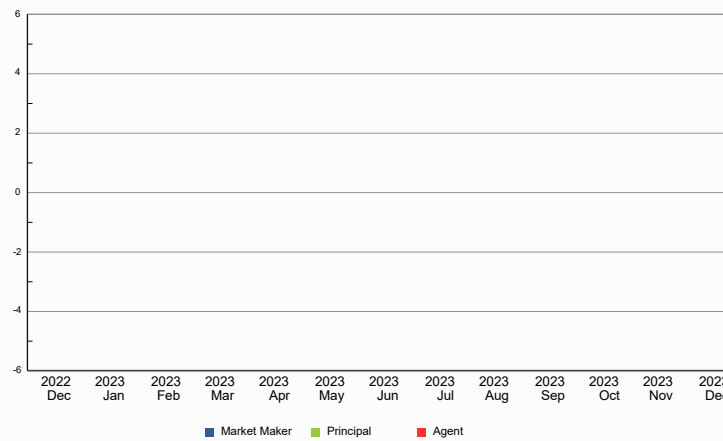
### Traded Contracts & Open Interest

Traded Contracts

Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2019	0	-100.0%			0				<1	0		

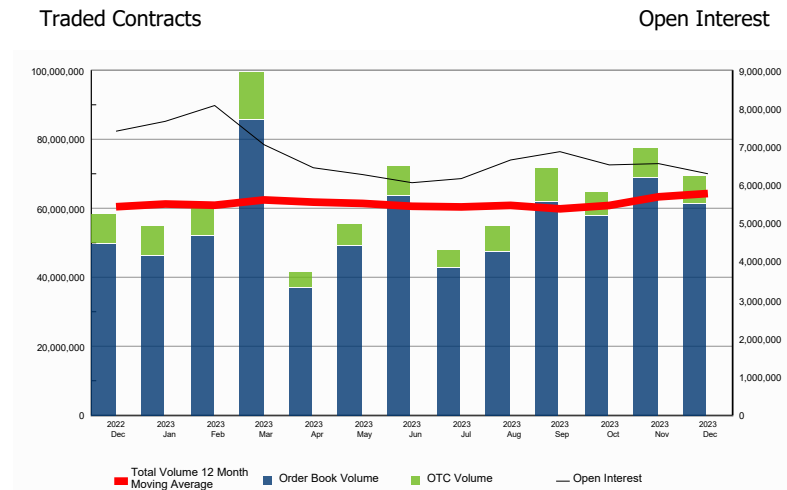
## Interest Rate Derivatives

Number of Products	28
Number of Series	9,632
Launched Products per Month	0

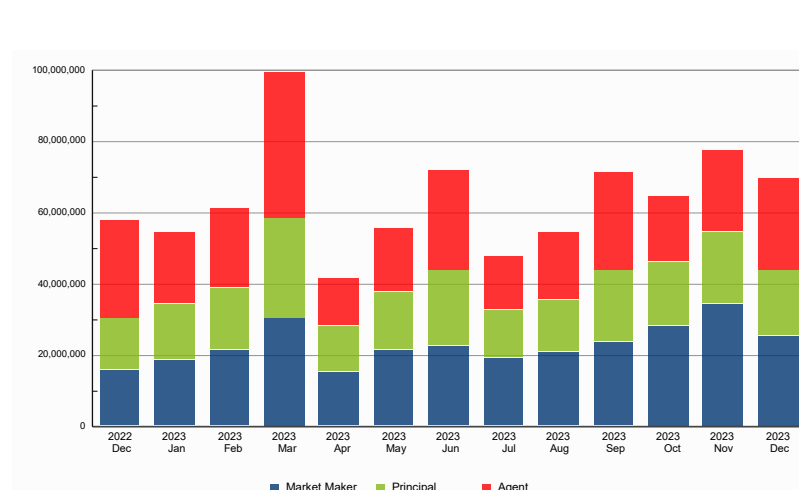
## Volume Development Trend

YoY Change → YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

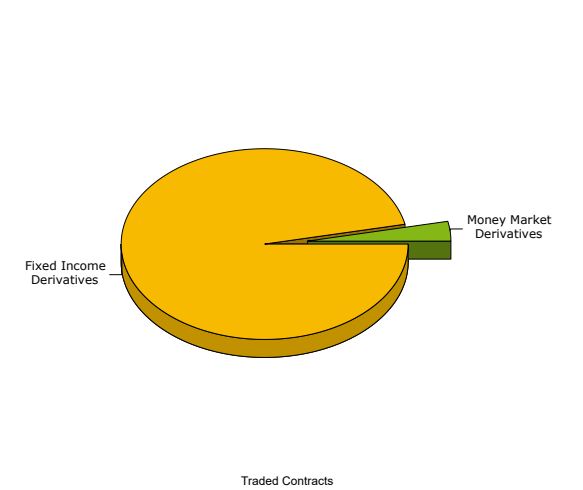
## Traded Contracts & Open Interest



## Traded Contracts by Account Type



## Traded Contracts by Product Type



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Options	Futures
Dec 2023	69,515,922	19.8%	3,658,733	88.09%	7,943,009	36.6%	36.8%	26.6%	8,768,021	6,300,114	5.04%	94.96%
Nov 2023	77,373,799	63.4%	3,516,991	89.04%	9,416,418	29.0%	44.4%	26.5%	9,511,289	6,564,941	4.55%	95.45%
Oct 2023	64,931,975	22.2%	2,951,453	89.03%	9,577,168	28.9%	43.4%	27.7%	7,704,258	6,531,496	6.00%	94.00%
Sep 2023	71,705,568	-14.3%	3,414,551	85.80%	8,112,652	39.0%	32.8%	28.2%	8,506,555	6,876,773	5.74%	94.26%
Aug 2023	54,861,655	10.9%	2,385,289	86.66%	7,808,027	35.5%	38.6%	25.9%	6,550,492	6,659,658	5.33%	94.67%
Jul 2023	48,031,676	-4.6%	2,287,223	88.21%	7,605,546	31.6%	39.6%	28.8%	5,802,310	6,174,497	6.84%	93.16%
Jun 2023	72,088,464	-12.1%	3,276,748	88.41%	8,924,709	39.1%	31.8%	29.1%	8,714,453	6,067,013	4.11%	95.89%
May 2023	55,541,263	-7.5%	2,524,603	88.00%	8,828,817	32.3%	38.7%	29.0%	6,750,709	6,278,819	5.73%	94.27%
Apr 2023	41,482,513	-15.6%	2,304,584	88.41%	7,212,173	31.4%	37.5%	31.2%	5,061,387	6,457,532	6.45%	93.55%
Mar 2023	99,676,513	22.7%	4,333,761	85.80%	16,110,724	41.1%	30.4%	28.4%	11,948,739	7,059,245	7.52%	92.48%
Feb 2023	61,371,067	-6.5%	3,068,553	84.90%	8,748,363	36.6%	34.8%	28.6%	7,438,898	8,080,796	8.95%	91.05%
Jan 2023	54,735,567	21.1%	2,487,980	84.26%	9,205,207	36.9%	34.3%	28.8%	6,804,565	7,668,813	10.66%	89.34%
Dec 2022	58,034,390	24.1%	2,763,542	85.19%	8,046,368	47.5%	27.6%	24.9%	7,257,543	7,410,544	8.48%	91.52%

### Most Active Products (Traded Contracts)

Product	Type	Code	Volume
Euro-Bund Futures	Future	FGBL	19,472,901
Euro-Bobl Futures	Future	FGBM	15,564,978
Euro-Schatz Futures	Future	FGBS	14,716,782
Euro-OAT-Futures	Future	FOAT	4,395,108
Euro-BTP Futures	Future	FBTP	4,371,776
Short Term Euro-BTP-Futures	Future	FBTS	2,641,777
Options on Euro-Bund Futures	Option	OGBL	2,606,214
Euro-Buxl® Futures	Future	FGBX	2,507,236
Three-Month EURIBOR Futures	Future	FEU3	1,470,700
Three-Month Euro STR Futures	Future	FST3	774,889

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Options	Futures
2023	771,315,982	6.3%	3,024,769	87.18%	109,492,813	35.3%	36.6%	28.1%	93,561,676	6,319,624	6.34%	93.66%
2022	725,273,605	20.2%	2,822,076	85.01%	116,494,396	42.1%	30.6%	27.3%	96,910,504	7,411,817	8.65%	91.35%
2021	603,193,315	14.1%	2,356,224	85.94%	68,113,260	39.5%	35.2%	25.2%	91,894,296	7,135,073	8.80%	91.20%
2020	528,515,769	-5.8%	2,072,611	85.90%	66,392,195	41.4%	32.1%	26.5%	79,757,019	6,516,415	8.40%	91.60%
2019	560,774,953	-10.8%	2,216,502	83.19%	56,790,998	42.6%	29.2%	28.2%	83,105,985	6,814,239	11.61%	88.39%

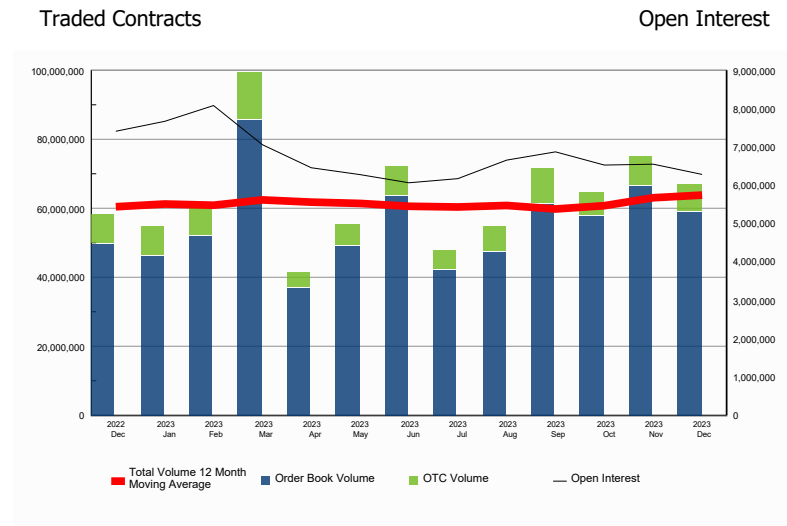
## Interest Rate Derivatives :: Fixed Income Derivatives

Number of Products 20  
 Number of Series 4,305  
 Launched Products per Month 0

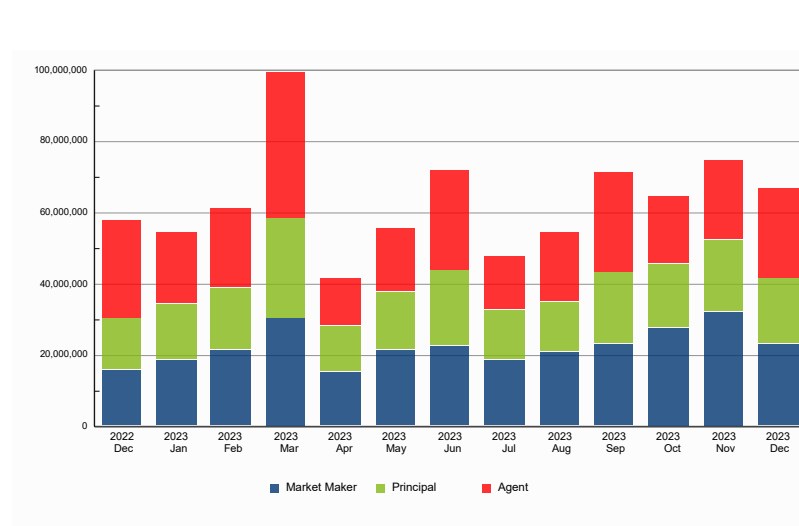
### Volume Development Trend

YoY Change → YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ > 25%

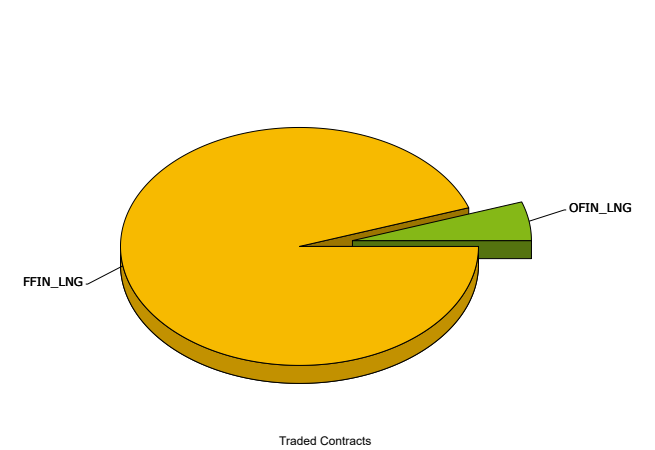
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	67,210,492	15.8%	3,537,394	87.68%	7,834,280	37.8%	34.7%	27.5%	8,204,926	6,283,112	1.45%	3.76%
Nov 2023	75,033,666	58.4%	3,410,621	88.70%	9,300,104	29.9%	42.7%	27.4%	8,944,284	6,550,041	2.63%	2.06%
Oct 2023	64,630,539	21.6%	2,937,752	88.98%	9,549,583	29.0%	43.1%	27.8%	7,631,016	6,527,317	3.46%	2.56%
Sep 2023	71,444,972	-14.6%	3,402,142	85.75%	8,085,838	39.2%	32.5%	28.3%	8,443,232	6,871,999	3.58%	2.18%
Aug 2023	54,713,013	10.6%	2,378,827	86.63%	7,791,021	35.6%	38.5%	26.0%	6,514,262	6,656,188	3.04%	2.31%
Jul 2023	47,947,520	-4.7%	2,283,215	88.19%	7,594,821	31.7%	39.5%	28.9%	5,782,071	6,172,785	4.76%	2.10%
Jun 2023	72,005,495	-12.2%	3,272,977	88.40%	8,908,259	39.1%	31.7%	29.2%	8,694,477	6,064,952	2.55%	1.56%
May 2023	55,537,027	-7.5%	2,524,410	88.00%	8,828,016	32.3%	38.7%	29.0%	6,749,681	6,277,863	3.14%	2.59%
Apr 2023	41,482,161	-15.6%	2,304,565	88.41%	7,212,101	31.4%	37.5%	31.2%	5,061,302	6,457,073	3.01%	3.44%
Mar 2023	99,675,694	22.7%	4,333,726	85.80%	16,110,640	41.1%	30.4%	28.4%	11,948,541	7,058,744	2.85%	4.67%
Feb 2023	61,370,488	-6.5%	3,068,524	84.90%	8,748,306	36.6%	34.8%	28.6%	7,438,758	8,079,959	3.21%	5.74%
Jan 2023	54,735,286	21.1%	2,487,968	84.26%	9,205,166	36.9%	34.3%	28.8%	6,804,496	7,667,807	3.07%	7.59%
Dec 2022	58,034,308	24.1%	2,763,538	85.19%	8,046,359	47.5%	27.6%	24.9%	7,257,523	7,409,455	1.36%	7.12%

Most Active Products (Traded Contracts)		
Euro-Bund Futures	FGBL	19,472,901
Euro-Bobl Futures	FGBM	15,564,978
Euro-Schatz Futures	FGBS	14,716,782
Euro-OAT-Futures	FOAT	4,395,108
Euro-BTP Futures	FBTP	4,371,776
Short Term Euro-BTP-Futures	FBTS	2,641,777
Options on Euro-Bund Futures	OGBL	2,606,214
Euro-Buxl® Futures	FGBX	2,507,236
Options on Euro-Bobl Futures	OGBM	427,831
Options on Euro-Schatz Futures	OGBS	366,810

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	765,786,353	5.6%	3,003,084	87.08%	109,168,135	35.5%	36.1%	28.3%	92,217,046	6,302,622	3.01%	3.38%
2022	725,266,744	20.2%	2,822,050	85.01%	116,493,868	42.1%	30.6%	27.3%	96,908,808	7,410,678	2.97%	5.68%
2021	603,177,377	14.1%	2,356,162	85.94%	68,112,837	39.5%	35.2%	25.2%	91,890,292	7,131,214	3.19%	5.62%
2020	528,479,192	-5.8%	2,072,467	85.90%	66,391,538	41.4%	32.1%	26.5%	79,747,981	6,509,881	3.58%	4.82%
2019	560,736,041	-10.8%	2,216,348	83.19%	56,790,030	42.6%	29.2%	28.2%	83,096,388	6,807,933	4.91%	6.70%

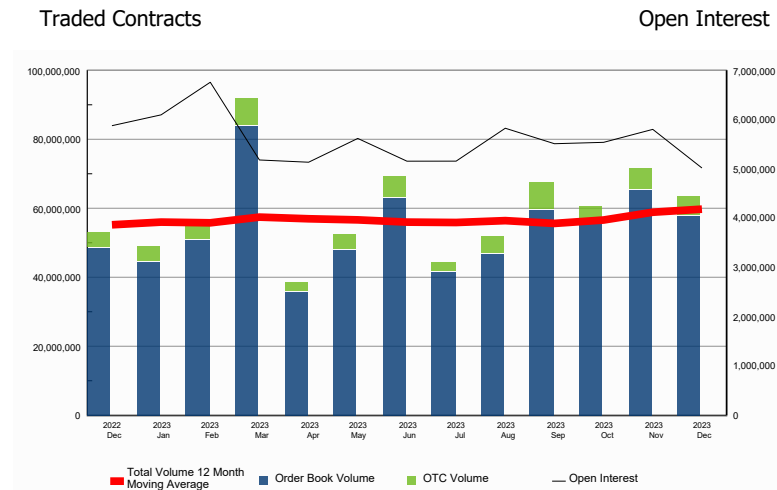
## Interest Rate Derivatives :: Fixed Income Derivatives :: Fixed Income Futures

Number of Products	14
Number of Series	45
Launched Products per Month	0

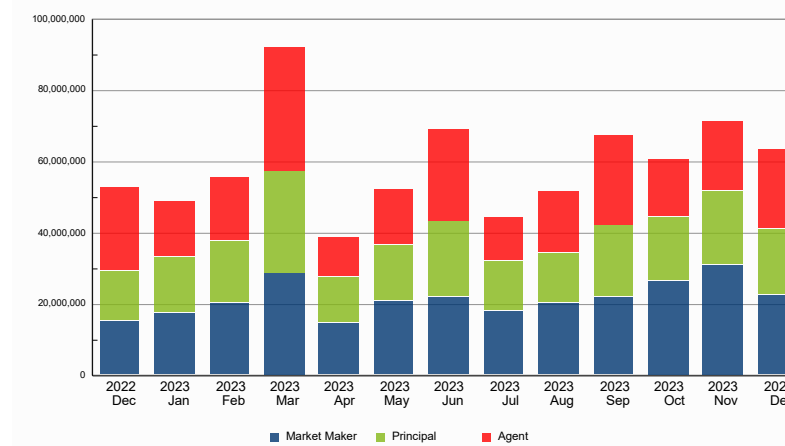
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

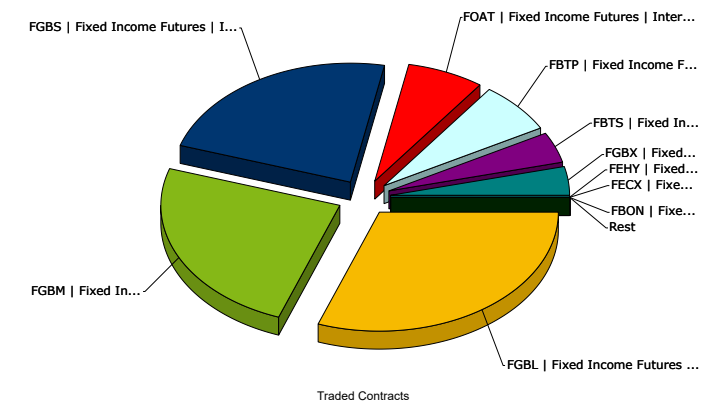
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	63,708,673	19.9%	3,353,088	90.89%	7,792,326	35.6%	35.6%	28.9%	7,753,505	5,017,505		
Nov 2023	71,515,491	61.2%	3,250,704	91.03%	9,260,743	27.9%	43.5%	28.7%	8,502,172	5,801,116		
Oct 2023	60,737,592	24.2%	2,760,800	92.30%	9,506,827	26.2%	44.2%	29.6%	7,144,446	5,537,998		
Sep 2023	67,328,076	-12.6%	3,206,099	88.74%	8,050,005	36.9%	33.1%	30.0%	7,926,149	5,509,987		
Aug 2023	51,788,165	14.4%	2,251,659	89.72%	7,761,723	33.2%	39.5%	27.4%	6,146,009	5,824,245		
Jul 2023	44,661,771	-3.0%	2,126,751	92.32%	7,565,767	28.2%	40.8%	30.9%	5,362,013	5,156,196		
Jun 2023	69,042,348	-10.1%	3,138,289	90.82%	8,879,630	37.5%	32.2%	30.4%	8,313,303	5,155,478		
May 2023	52,355,239	-6.7%	2,379,784	91.51%	8,800,184	29.5%	39.8%	30.7%	6,346,329	5,617,199		
Apr 2023	38,805,452	-13.0%	2,155,858	92.37%	7,189,592	28.2%	38.6%	33.2%	4,723,989	5,134,323		
Mar 2023	92,176,125	27.4%	4,007,658	90.78%	16,063,921	37.9%	31.4%	30.7%	11,032,747	5,179,930		
Feb 2023	55,877,973	-4.3%	2,793,899	90.85%	8,718,248	32.2%	36.5%	31.4%	6,753,444	6,757,559		
Jan 2023	48,900,225	23.7%	2,222,738	91.26%	9,167,999	31.7%	36.1%	32.2%	6,049,101	6,095,754		
Dec 2022	53,112,926	24.5%	2,529,187	91.12%	8,014,425	44.3%	28.6%	27.2%	6,612,870	5,875,967		

Most Active Products (Traded Contracts)		
Euro-Bund Futures	FGBL	19,472,901
Euro-Bobl Futures	FGBM	15,564,978
Euro-Schatz Futures	FGBS	14,716,782
Euro-OAT-Futures	FOAT	4,395,108
Euro-BTP Futures	FBTP	4,371,776
Short Term Euro-BTP-Futures	FBTS	2,641,777
Euro-Buxl® Futures	FGBX	2,507,236
BBG EURO HIGH YIELD IDX	FEHY	16,238
BBG Barc MSCI EU IG SRI TR	FECX	11,512
Euro-Bono Futures	FBON	8,364

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	716,897,130	8.2%	2,811,361	90.95%	108,756,965	32.6%	37.2%	30.2%	86,053,208	5,017,510		
2022	662,518,299	20.4%	2,577,892	90.77%	116,087,822	38.4%	31.8%	29.8%	88,194,791	5,875,982		
2021	550,079,263	13.6%	2,148,747	90.79%	67,721,605	36.2%	36.3%	27.5%	83,445,306	5,262,704		
2020	484,095,152	-2.3%	1,898,412	90.68%	65,967,083	38.1%	33.0%	28.9%	72,894,158	4,632,343		
2019	495,640,753	-10.0%	1,959,054	89.85%	56,191,764	38.1%	30.2%	31.7%	72,943,727	5,189,003		

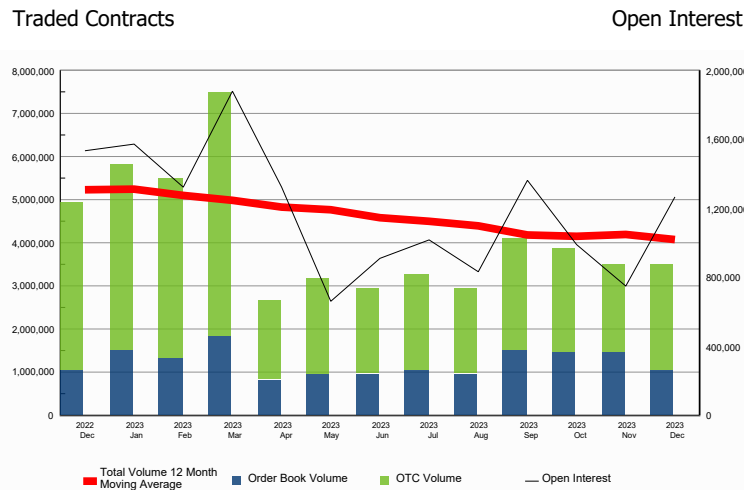
## Interest Rate Derivatives :: Fixed Income Derivatives :: Options on Fixed Income Futures

Number of Products 6  
 Number of Series 4,260  
 Launched Products per Month 0

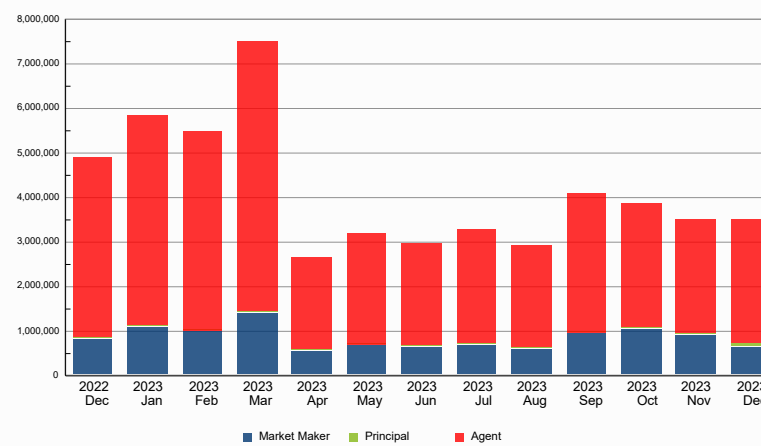
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year ←  
 ↓ < -25% ← >=-25% and < 0% → >=0% and <=25% ↑ > 25%

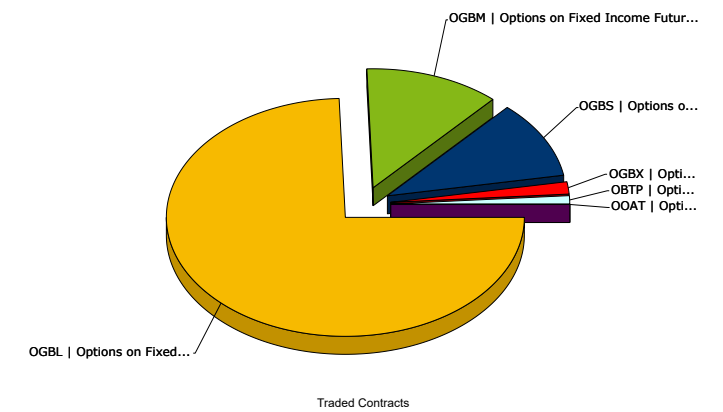
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	3,501,819	-28.8%	184,306	29.39%	41,954	78.6%	18.1%	3.3%	451,421	1,265,607	27.89%	72.11%
Nov 2023	3,518,175	16.9%	159,917	41.30%	39,361	72.5%	26.5%	1.0%	442,113	748,925	56.08%	43.92%
Oct 2023	3,892,947	-8.7%	176,952	37.17%	42,756	72.3%	27.1%	0.6%	486,570	989,319	57.50%	42.50%
Sep 2023	4,116,896	-38.1%	196,043	36.82%	35,833	76.6%	22.9%	0.5%	517,083	1,362,012	62.14%	37.86%
Aug 2023	2,924,848	-30.3%	127,167	31.88%	29,298	78.4%	21.0%	0.6%	368,253	831,943	56.83%	43.17%
Jul 2023	3,285,749	-23.2%	156,464	32.07%	29,054	78.3%	21.1%	0.6%	420,057	1,016,589	69.39%	30.61%
Jun 2023	2,963,147	-42.8%	134,689	32.08%	28,629	77.1%	21.7%	1.1%	381,173	909,474	62.01%	37.99%
May 2023	3,181,788	-18.9%	144,627	30.22%	27,832	77.9%	21.1%	1.1%	403,352	660,664	54.82%	45.18%
Apr 2023	2,676,709	-41.3%	148,706	30.94%	22,509	77.6%	21.1%	1.3%	337,313	1,322,750	46.64%	53.36%
Mar 2023	7,499,569	-15.4%	326,068	24.54%	46,719	80.9%	18.6%	0.5%	915,794	1,878,814	37.93%	62.07%
Feb 2023	5,492,515	-24.2%	274,626	24.34%	30,058	81.3%	18.2%	0.5%	685,313	1,322,400	35.87%	64.13%
Jan 2023	5,835,061	3.1%	265,230	25.62%	37,167	80.6%	18.8%	0.6%	755,395	1,572,053	28.81%	71.19%
Dec 2022	4,921,382	20.5%	234,352	21.22%	31,934	82.7%	17.0%	0.3%	644,654	1,533,488	16.01%	83.99%

### Most Active Products (Traded Contracts)

Options on Euro-Bund Futures	OGBL	2,606,214
Options on Euro-Bobl Futures	OGBM	427,831
Options on Euro-Schatz Futures	OGBS	366,810
Options on Euro-Buxl Futures	OGBX	64,503
Options on Euro BTP Futures	OBTP	35,711
Options on Euro-OAT Futures	OOAT	750

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	48,889,223	-22.1%	191,722	30.36%	411,170	78.2%	20.9%	0.9%	6,163,838	1,285,112	47.07%	52.93%
2022	62,748,445	18.2%	244,157	24.14%	406,046	81.0%	18.3%	0.7%	8,714,017	1,534,696	34.34%	65.66%
2021	53,098,114	19.6%	207,415	35.60%	391,232	74.5%	24.1%	1.4%	8,444,985	1,868,510	36.20%	63.80%
2020	44,384,040	-31.8%	174,055	33.78%	424,455	77.0%	22.0%	1.0%	6,853,823	1,877,538	42.65%	57.35%
2019	65,095,288	-15.9%	257,294	32.48%	598,266	76.6%	21.5%	1.9%	10,152,662	1,618,930	42.32%	57.68%

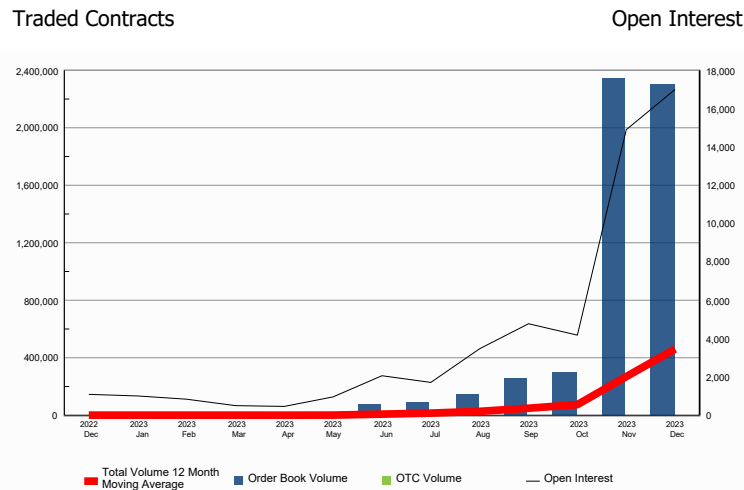
## Interest Rate Derivatives :: Money Market Derivatives

Number of Products	8
Number of Series	5,327
Launched Products per Month	0

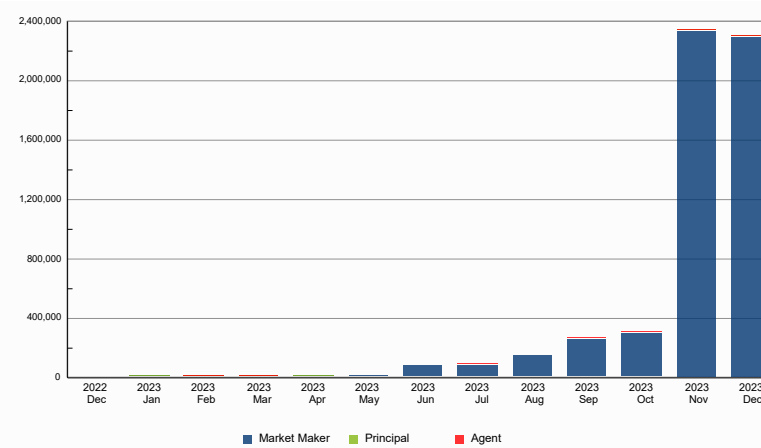
### Volume Development Trend

YoY Change ↑ YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and =25%   ↑ > 25%

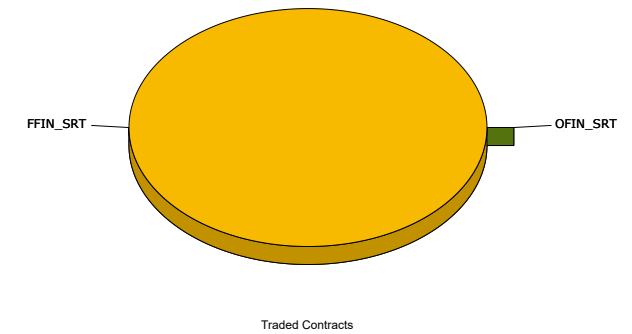
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts
Dec 2023	2,305,430	>1000%	121,338	100.00%	108,729	0.3%	99.4%	0.3%	563,095	17,002	0.00%	
Nov 2023	2,340,133	>1000%	106,370	100.00%	116,314	0.2%	99.7%	0.1%	567,005	14,900		
Oct 2023	301,436	>1000%	13,702	100.00%	27,585	0.1%	99.9%	0.0%	73,242	4,179		
Sep 2023	260,596	>1000%	12,409	100.00%	26,814	0.1%	99.9%	0.0%	63,323	4,774		
Aug 2023	148,642	>1000%	6,463	100.00%	17,006	0.0%	100.0%	0.0%	36,230	3,470		
Jul 2023	84,156	>1000%	4,007	100.00%	10,725	0.1%	99.9%	0.0%	20,240	1,712		
Jun 2023	82,969	>1000%	3,771	100.00%	16,450	0.0%	100.0%	0.0%	19,977	2,061		
May 2023	4,236	>1000%	193	100.00%	801	0.0%	99.7%	0.2%	1,028	956		
Apr 2023	352	-29.0%	20	100.00%	72	14.5%	61.9%	23.6%	85	459		
Mar 2023	819	-36.5%	36	100.00%	84	15.0%	55.6%	29.4%	198	501		
Feb 2023	579	-28.3%	29	100.00%	57	34.5%	33.5%	32.0%	140	837		
Jan 2023	281	20.6%	13	100.00%	41	17.8%	43.6%	38.6%	68	1,006		
Dec 2022	82	-72.8%	4	100.00%	9	7.3%	50.0%	42.7%	20	1,089		

Most Active Products (Traded Contracts)		
Three-Month EURIBOR Futures	FEU3	1,470,700
Three-Month Euro STR Futures	FST3	774,889
3M SARON Futures	FSR3	59,821
Options on Three-Month EURIBOR Futures	OEU3	20

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2023	5,529,629	>1000%	21,685	100.00%	324,678	0.2%	99.6%	0.2%	1,344,630	17,002	0.00%	
2022	6,861	-57.0%	27	100.00%	528	16.3%	32.3%	51.3%	1,696	1,139		
2021	15,938	-56.4%	62	100.00%	423	5.2%	51.8%	42.9%	4,004	3,859		
2020	36,577	-6.0%	143	100.00%	657	16.7%	38.2%	45.1%	9,038	6,534	0.01%	
2019	38,912	-46.2%	154	97.53%	968	8.0%	47.1%	44.9%	9,597	6,306	1.13%	

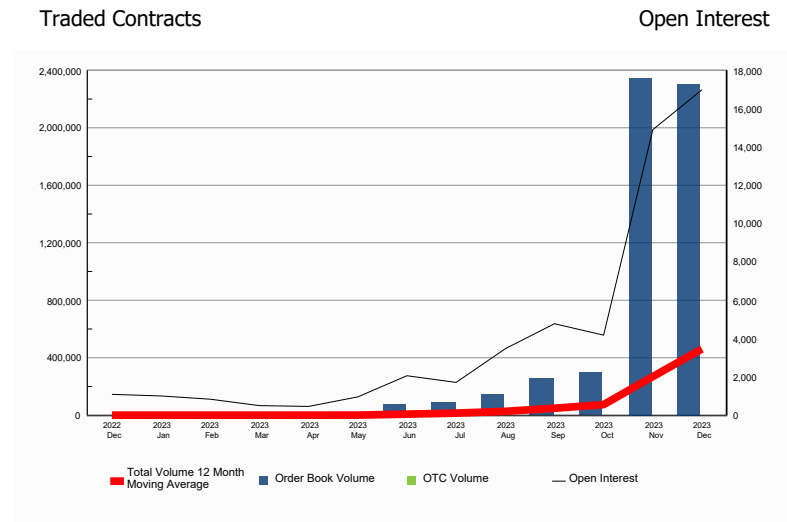
## Interest Rate Derivatives :: Money Market Derivatives :: Money Market Futures

Number of Products 3  
 Number of Series 55  
 Launched Products per Month 0

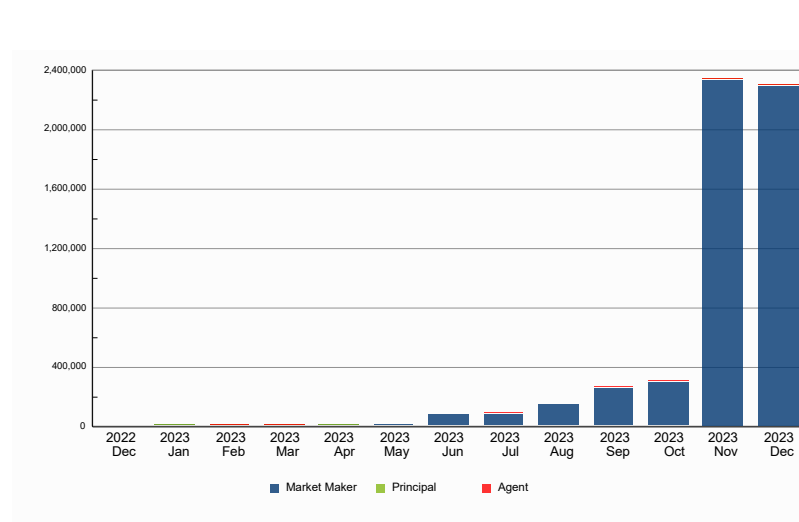
### Volume Development Trend

MoM Change ← YTM/YTM prev. Year ↑  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

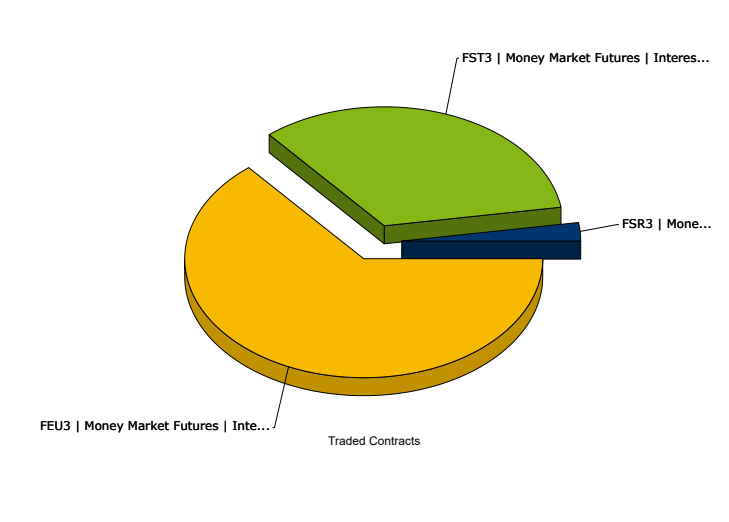
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	2,305,410	>1000%	121,337	100.00%	108,728	0.3%	99.4%	0.3%	563,091	16,982		
Nov 2023	2,340,133	>1000%	106,370	100.00%	116,314	0.2%	99.7%	0.1%	567,005	14,900		
Oct 2023	301,436	>1000%	13,702	100.00%	27,585	0.1%	99.9%	0.0%	73,242	4,179		
Sep 2023	260,596	>1000%	12,409	100.00%	26,814	0.1%	99.9%	0.0%	63,323	4,774		
Aug 2023	148,642	>1000%	6,463	100.00%	17,006	0.0%	100.0%	0.0%	36,230	3,470		
Jul 2023	84,156	>1000%	4,007	100.00%	10,725	0.1%	99.9%	0.0%	20,240	1,712		
Jun 2023	82,969	>1000%	3,771	100.00%	16,450	0.0%	100.0%	0.0%	19,977	2,061		
May 2023	4,236	>1000%	193	100.00%	801	0.0%	99.7%	0.2%	1,028	956		
Apr 2023	352	-29.0%	20	100.00%	72	14.5%	61.9%	23.6%	85	459		
Mar 2023	819	-36.5%	36	100.00%	84	15.0%	55.6%	29.4%	198	501		
Feb 2023	579	-28.3%	29	100.00%	57	34.5%	33.5%	32.0%	140	837		
Jan 2023	281	20.6%	13	100.00%	41	17.8%	43.6%	38.6%	68	1,006		
Dec 2022	82	-72.8%	4	100.00%	9	7.3%	50.0%	42.7%	20	1,089		

Most Active Products (Traded Contracts)		
Three-Month EURIBOR Futures	FEU3	1,470,700
Three-Month Euro STR Futures	FST3	774,889
3M SARON Futures	FSR3	59,821

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	5,529,609	>1000%	21,685	100.00%	324,677	0.2%	99.6%	0.2%	1,344,625	16,982		
2022	6,861	-57.0%	27	100.00%	528	16.3%	32.3%	51.3%	1,696	1,089		
2021	15,938	-54.9%	62	100.00%	423	5.2%	51.8%	42.9%	4,004	3,809		
2020	35,317	-8.2%	138	100.00%	634	15.5%	37.8%	46.8%	8,726	5,584		
2019	38,473	-46.3%	152	97.50%	934	7.6%	47.0%	45.4%	9,489	5,819		

Interest Rate Derivatives :: Money Market Derivatives :: Options on Money Market Futures

Number of Products	5
Number of Series	5,272
Launched Products per Month	0

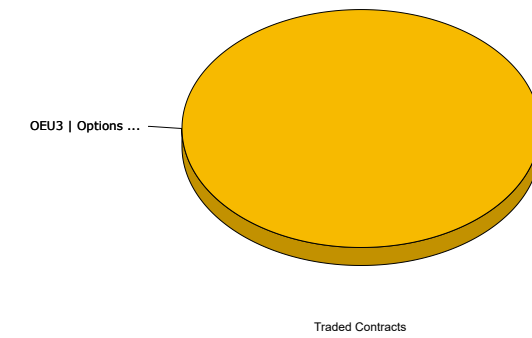
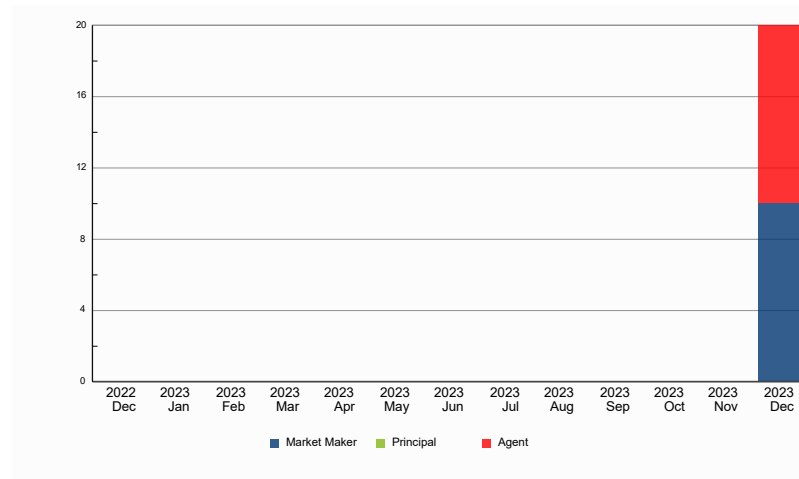
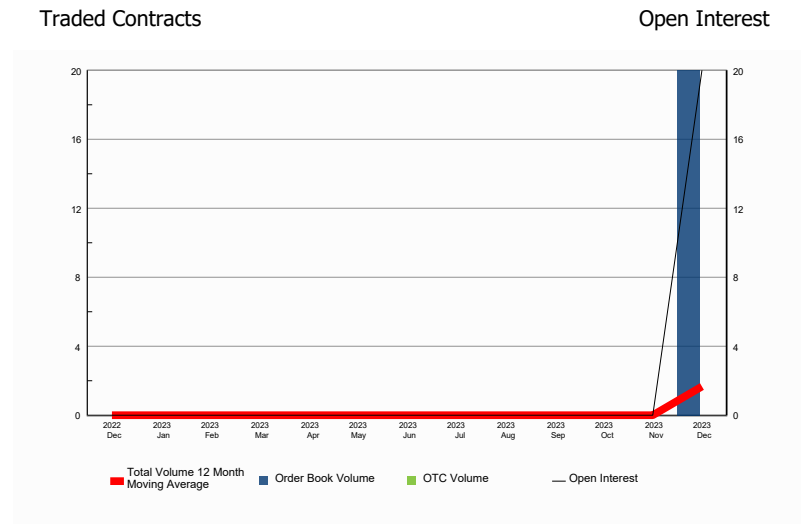
### Volume Development Trend

MoM Change	YTM/YTM prev. Year
<span style="color: red;">↓</span> < -25% <span style="color: red;">←</span> >=-25% and < 0% <span style="color: green;">→</span> >=0% and <=25% <span style="color: green;">↑</span> > 25%	

### Traded Contracts & Open Interest

### Traded Contracts by Account Type

### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	20		1	100.00%	1	50.0%	50.0%	0.0%	5	20	100.00%	

Most Active Products (Traded Contracts)		
Options on Three-Month EURIBOR Futures	OEU3	20

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	20	-100.0%	0	100.00%	1	50.0%	50.0%	0.0%	5	20	100.00%	
2022	0	187.0%			0				<1	50		
2021	0	-28.0%			0				<1	50		
2020	1,260	0.0%	5	100.00%	23	50.0%	50.0%	0.0%	312	950	0.16%	99.84%
2019	439	0.0%	2	100.00%	34	50.0%	50.0%	0.0%	108	487		100.00%



## Capital Market Derivatives

### Volume Development Trend

YoY Change

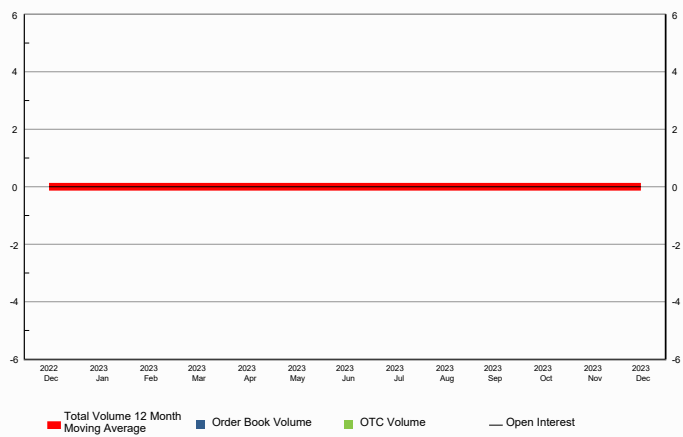
YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

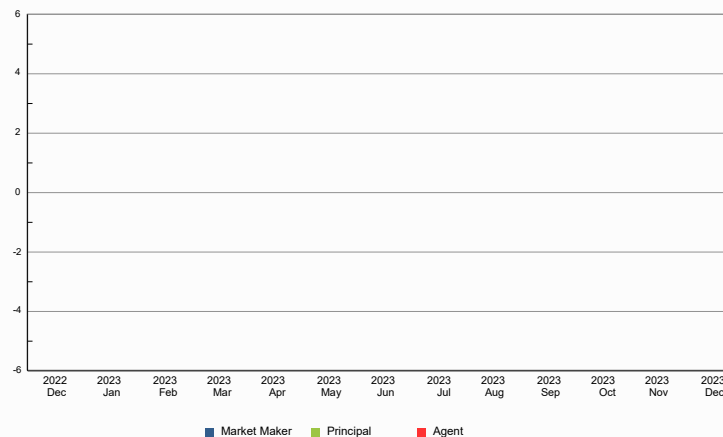
### Traded Contracts & Open Interest

Traded Contracts

Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Type

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Options	Futures

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Options	Futures

Capital Market Derivatives :: Capital Market Futures

**Volume Development Trend**

YoY Change

YTM/YTM prev. Year

↘ < -25%  
 ← >=-25% and < 0%  
 → >=0% and =25%  
 ↗ > 25%

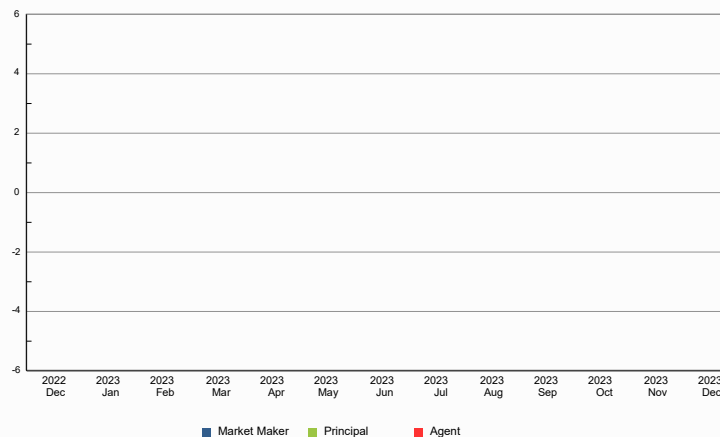
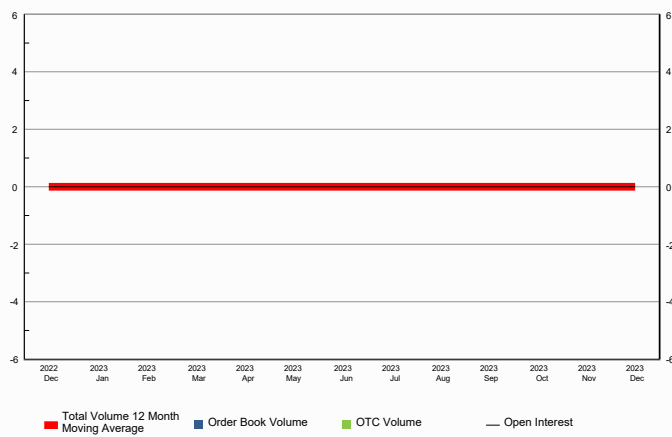
**Traded Contracts & Open Interest**

**Traded Contracts by Account Type**

**Traded Contracts by Product Class**

Traded Contracts

Open Interest



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

**Most Active Products (Traded Contracts)**

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

Capital Market Derivatives :: Capital Market Futures :: LDX IRS Constant Maturity Futures

### Volume Development Trend

MoM Change

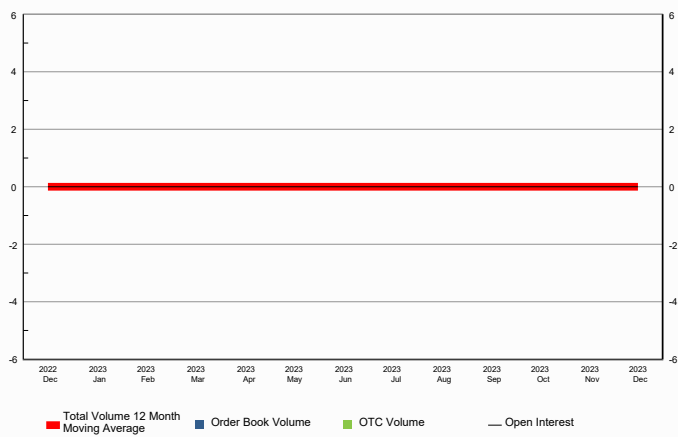
YTM/YTM prev. Year

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

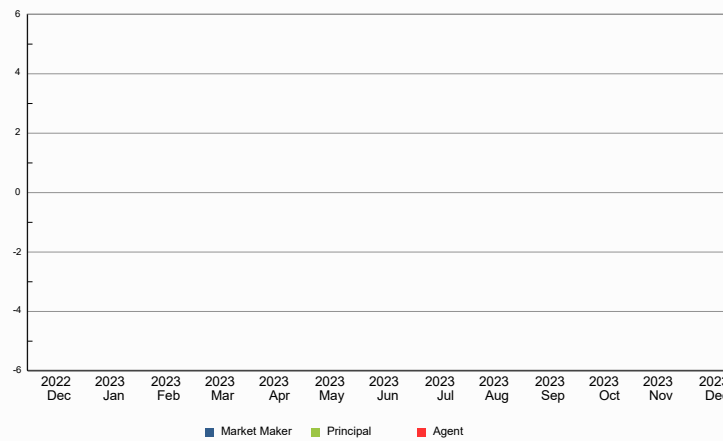
### Traded Contracts & Open Interest

Traded Contracts

Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product

No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts

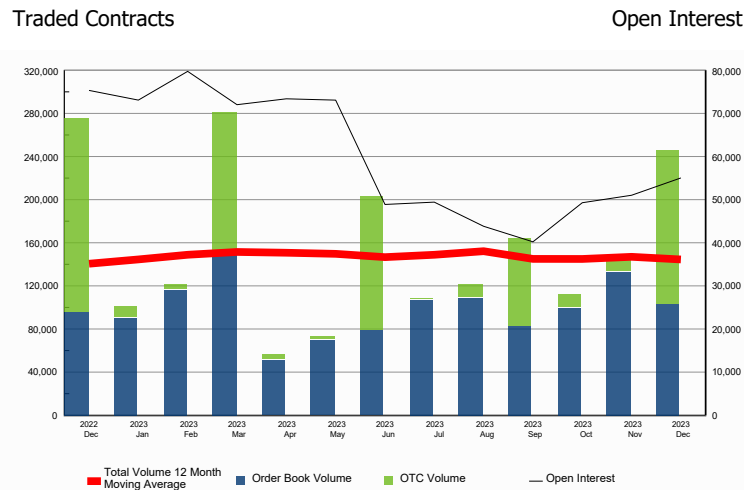
## Foreign Exchange Derivatives

Number of Products 49  
 Number of Series 13,722  
 Launched Products per Month 0

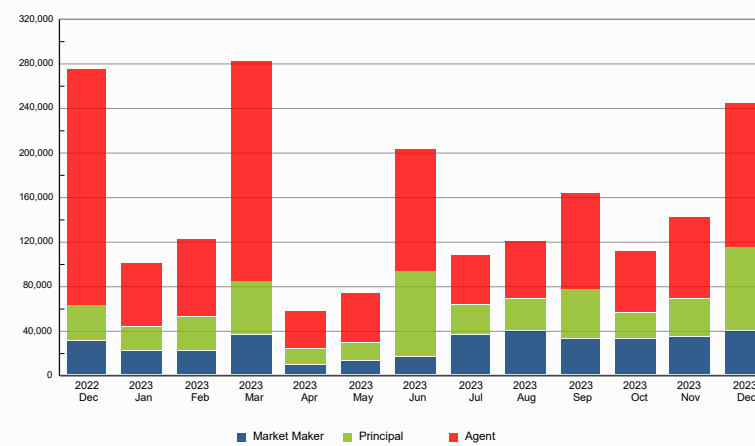
### Volume Development Trend

YoY Change ← YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

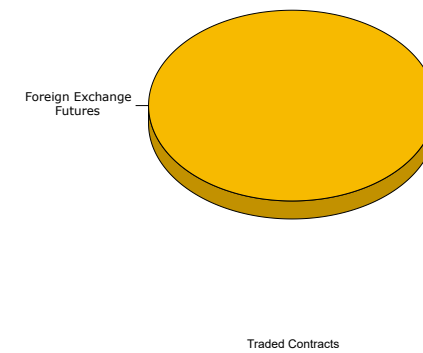
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Type



Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Options	Futures
Dec 2023	245,513	-10.7%	12,922	42.18%	23,069	52.8%	16.7%	30.5%	16,127	55,036	0.00%	100.00%
Nov 2023	143,229	20.1%	6,510	92.26%	31,949	52.1%	24.7%	23.1%	2,884	51,020	0.00%	100.00%
Oct 2023	111,425	-0.6%	5,065	88.64%	22,913	49.7%	29.9%	20.4%	2,748	49,284	0.00%	100.00%
Sep 2023	163,563	-34.4%	7,789	50.06%	18,475	52.0%	19.7%	28.3%	9,816	40,220	0.00%	100.00%
Aug 2023	121,812	48.6%	5,296	89.84%	29,181	43.5%	32.9%	23.7%	2,714	43,822	0.00%	100.00%
Jul 2023	108,024	32.0%	5,144	98.12%	27,241	41.2%	34.5%	24.4%	1,910	49,420	0.00%	100.00%
Jun 2023	203,498	-15.3%	9,250	39.08%	17,782	54.0%	8.4%	37.6%	14,356	48,883	0.00%	100.00%
May 2023	74,125	-14.1%	3,369	94.44%	16,153	60.9%	19.0%	20.1%	1,731	73,078	0.00%	100.00%
Apr 2023	57,547	-13.4%	3,197	87.39%	21,898	59.9%	18.2%	22.0%	1,701	73,387	0.00%	100.00%
Mar 2023	281,946	12.5%	12,259	53.61%	35,074	69.8%	12.7%	17.5%	16,690	72,022	0.00%	100.00%
Feb 2023	122,081	73.9%	6,104	94.81%	28,681	57.5%	18.5%	24.1%	2,341	79,754	0.00%	100.00%
Jan 2023	101,448	89.8%	4,611	89.49%	23,986	57.0%	22.6%	20.4%	3,075	73,082	0.00%	100.00%
Dec 2022	274,845	67.4%	13,088	35.09%	24,072	76.6%	11.4%	12.0%	20,635	75,335	0.00%	100.00%

Most Active Products (Traded Contracts)			
FX futures on EURUSD	Future	FCEU	116,506
Eurex Daily USDKRW	Future	FCUW	91,335
Futures on KRX USD			
Futures			
FX Futures on EURJPY	Future	FCEY	17,451
FX futures on EURGBP	Future	FCEP	6,847
FX futures on USDCHF	Future	FCUF	1,920
FX Futures on EURAUD	Future	FCEA	1,865
FX futures on NOKSEK	Future	FCNS	1,719
FX futures on GBPUSD	Future	FCPU	1,656
FX Futures on USDJPY	Future	FCUY	1,623
FX futures on EURCHF	Future	FCEF	1,465

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Options	Futures
2023	1,734,211	2.8%	6,801	68.58%	296,402	55.2%	19.7%	25.1%	76,094	55,334	0.00%	100.00%
2022	1,686,441	130.9%	6,562	59.22%	189,453	67.1%	8.7%	24.2%	93,780	75,816	0.00%	100.00%
2021	730,285	19.0%	2,853	37.87%	31,464	67.3%	12.0%	20.7%	57,652	50,574	0.00%	100.00%
2020	613,810	537.4%	2,407	9.06%	9,567	94.4%	5.4%	0.2%	61,299	39,160	0.00%	100.00%
2019	96,299	553.6%	381	58.70%	17,636	43.9%	55.9%	0.2%	9,602	20,308	0.00%	100.00%

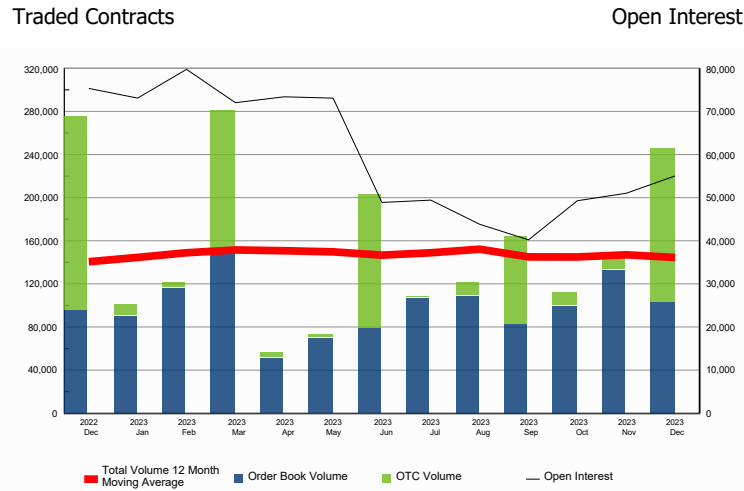
## Foreign Exchange Derivatives :: Foreign Exchange Futures

Number of Products 37  
 Number of Series 496  
 Launched Products per Month 0

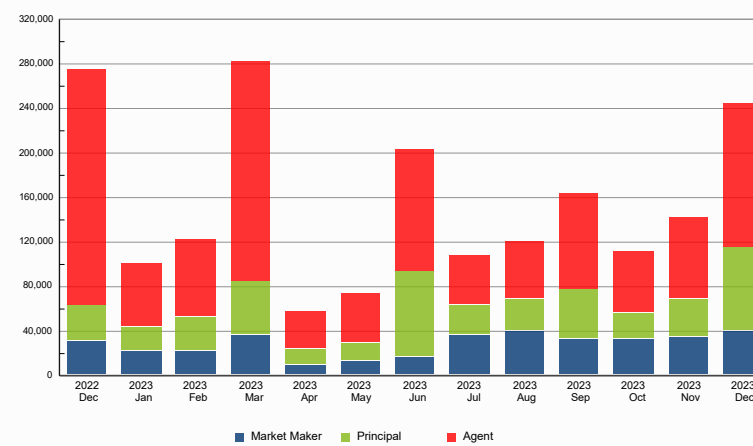
### Volume Development Trend

YoY Change ← YTM/YTM prev. Year →  
 ↓ < -25%   ← >=-25% and < 0%   → >=0% and <=25%   ↑ > 25%

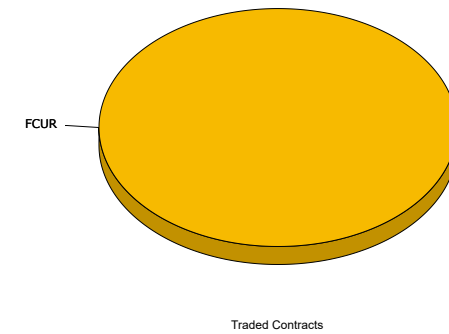
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product Class



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	245,513	-10.7%	12,922	42.18%	23,069	52.8%	16.7%	30.5%	16,127	55,036		
Nov 2023	143,229	20.1%	6,510	92.26%	31,949	52.1%	24.7%	23.1%	2,884	51,020		
Oct 2023	111,425	-0.6%	5,065	88.64%	22,913	49.7%	29.9%	20.4%	2,748	49,284		
Sep 2023	163,563	-34.4%	7,789	50.06%	18,475	52.0%	19.7%	28.3%	9,816	40,220		
Aug 2023	121,812	48.6%	5,296	89.84%	29,181	43.5%	32.9%	23.7%	2,714	43,822		
Jul 2023	108,024	32.0%	5,144	98.12%	27,241	41.2%	34.5%	24.4%	1,910	49,420		
Jun 2023	203,498	-15.3%	9,250	39.08%	17,782	54.0%	8.4%	37.6%	14,356	48,883		
May 2023	74,125	-14.1%	3,369	94.44%	16,153	60.9%	19.0%	20.1%	1,731	73,078		
Apr 2023	57,547	-13.4%	3,197	87.39%	21,898	59.9%	18.2%	22.0%	1,701	73,387		
Mar 2023	281,946	12.5%	12,259	53.61%	35,074	69.8%	12.7%	17.5%	16,690	72,022		
Feb 2023	122,081	73.9%	6,104	94.81%	28,681	57.5%	18.5%	24.1%	2,341	79,754		
Jan 2023	101,448	89.8%	4,611	89.49%	23,986	57.0%	22.6%	20.4%	3,075	73,082		
Dec 2022	274,845	67.4%	13,088	35.09%	24,072	76.6%	11.4%	12.0%	20,635	75,335		

Most Active Products (Traded Contracts)		
FX futures on EURUSD	FCEU	116,506
Eurex Daily USDKRW	FCUW	91,335
Futures on KRX USD		
Futures		
FX Futures on EURJPY	FCEY	17,451
FX futures on EURGBP	FCEP	6,847
FX futures on USDCHF	FCUF	1,920
FX Futures on EURAUD	FCEA	1,865
FX futures on NOKSEK	FCNS	1,719
FX futures on GBPUSD	FCPU	1,656
FX Futures on USDJPY	FCUY	1,623
FX futures on EURCHF	FCEF	1,465

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	1,734,211	2.8%	6,801	68.58%	296,402	55.2%	19.7%	25.1%	76,094	55,334		
2022	1,686,441	130.9%	6,562	59.22%	189,453	67.1%	8.7%	24.2%	93,780	75,816		
2021	730,265	19.0%	2,853	37.87%	31,461	67.3%	12.0%	20.7%	57,650	50,574		
2020	613,810	537.4%	2,407	9.06%	9,567	94.4%	5.4%	0.2%	61,299	39,160		
2019	96,299	553.6%	381	58.70%	17,636	43.9%	55.9%	0.2%	9,602	20,308		

## Foreign Exchange Derivatives :: Foreign Exchange Futures :: Foreign Exchange Futures

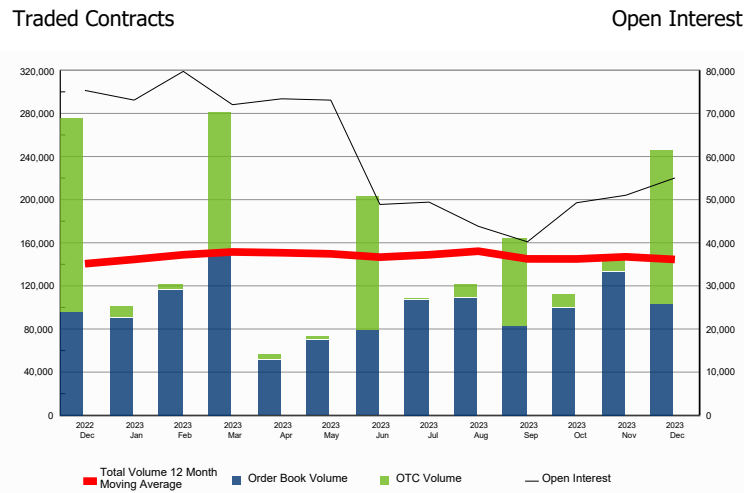
Number of Products	37
Number of Series	496
Launched Products per Month	0

### Volume Development Trend

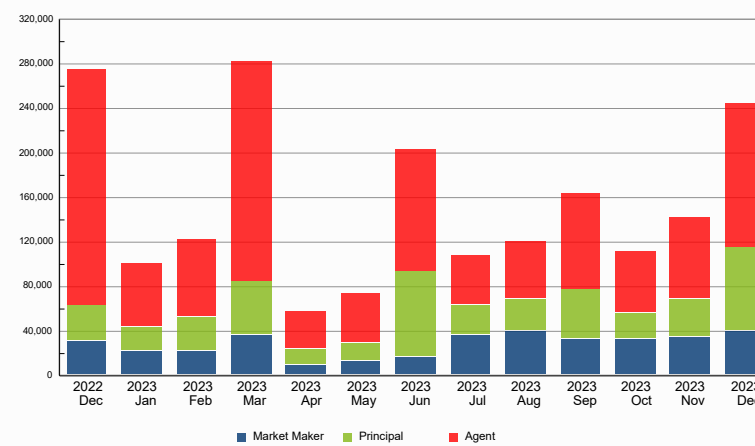
MoM Change ↑ YTM/YTM prev. Year →

↓ < -25%  
 ← >=-25% and < 0%  
 → >=0% and <=25%  
 ↑ > 25%

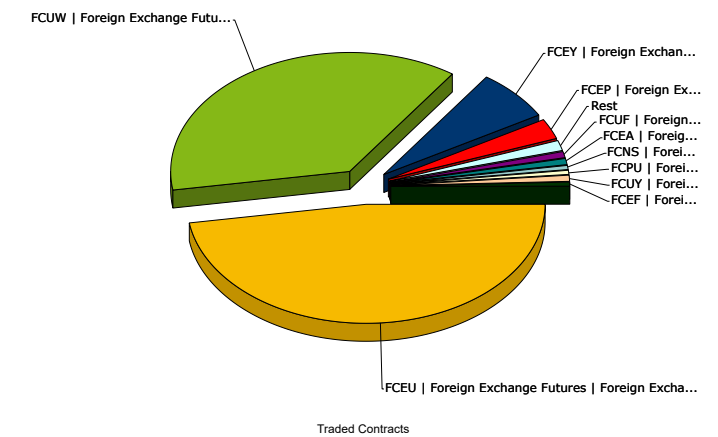
### Traded Contracts & Open Interest



### Traded Contracts by Account Type



### Traded Contracts by Product



Month	Traded Contracts		Daily Average	Orderbook Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
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Apr 2023	57,547	-13.4%	3,197	87.39%	21,898	59.9%	18.2%	22.0%	1,701	73,387		
Mar 2023	281,946	12.5%	12,259	53.61%	35,074	69.8%	12.7%	17.5%	16,690	72,022		
Feb 2023	122,081	73.9%	6,104	94.81%	28,681	57.5%	18.5%	24.1%	2,341	79,754		
Jan 2023	101,448	89.8%	4,611	89.49%	23,986	57.0%	22.6%	20.4%	3,075	73,082		
Dec 2022	274,845	67.4%	13,088	35.09%	24,072	76.6%	11.4%	12.0%	20,635	75,335		

Most Active Products (Traded Contracts)		
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Eurex Daily USDKRW	FCUW	91,335
Futures on KRX USD		
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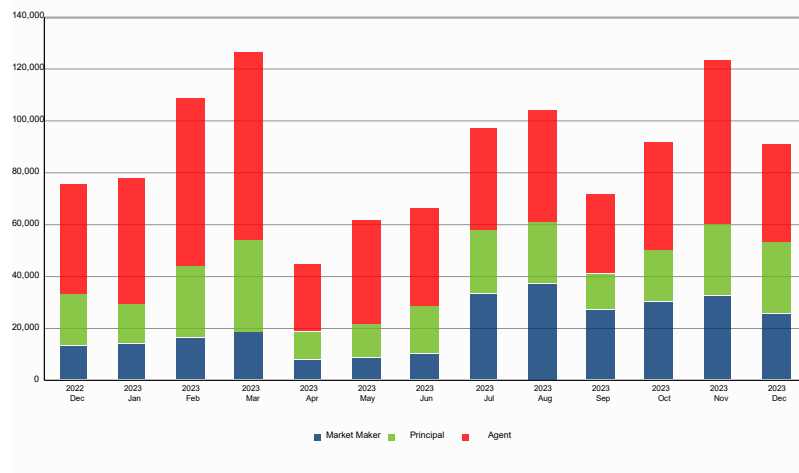
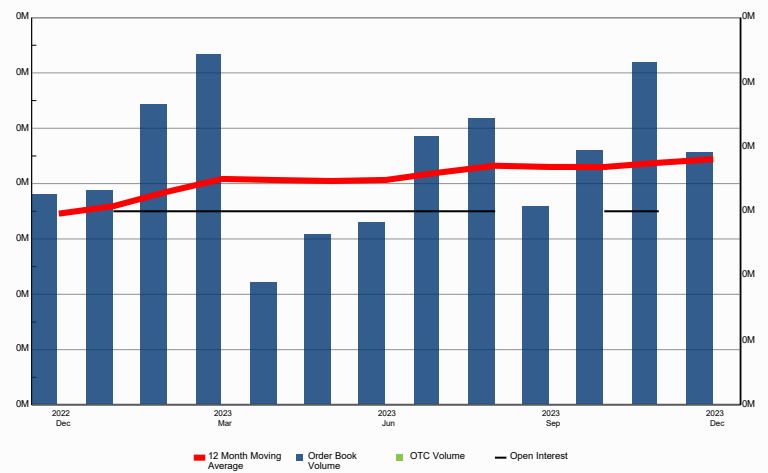
Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	1,734,211	2.8%	6,801	68.58%	296,402	55.2%	19.7%	25.1%	76,094	55,334		
2022	1,686,441	130.9%	6,562	59.22%	189,453	67.1%	8.7%	24.2%	93,780	75,816		
2021	730,265	19.0%	2,853	37.87%	31,461	67.3%	12.0%	20.7%	57,650	50,574		
2020	613,810	537.4%	2,407	9.06%	9,567	94.4%	5.4%	0.2%	61,299	39,160		
2019	96,299	553.6%	381	58.70%	17,636	43.9%	55.9%	0.2%	9,602	20,308		

# Eurex Monthly Statistics December 2023

Foreign Exchange Derivatives :: Foreign Exchange Futures :: Foreign Exchange Futures :: Eurex Daily USDKRW Futures on KRX USD Futures

Number of Series

21



Month	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
Dec 2023	91,335	20.3%	4,807	100.00%	21,438	42.1%	28.3%	29.6%	838			
Nov 2023	123,776	17.4%	5,626	100.00%	31,082	51.2%	26.1%	22.7%	1,150	0		
Oct 2023	91,884	-0.1%	4,177	100.00%	22,062	45.4%	32.6%	22.0%	868	0		
Sep 2023	71,655	-6.9%	3,412	100.00%	17,324	42.5%	38.2%	19.3%	669			
Aug 2023	103,931	38.3%	4,519	100.00%	28,562	41.1%	35.9%	23.0%	951	0		
Jul 2023	97,370	50.8%	4,637	100.00%	26,284	40.7%	34.0%	25.3%	877	0		
Jun 2023	66,340	7.6%	3,015	100.00%	16,510	57.0%	15.7%	27.3%	612	0		
May 2023	61,912	-6.2%	2,814	100.00%	15,249	64.4%	14.4%	21.2%	569	0		
Apr 2023	44,541	-9.9%	2,475	100.00%	21,146	58.7%	16.9%	24.4%	405	0		
Mar 2023	126,769	76.1%	5,512	100.00%	32,283	57.3%	14.9%	27.8%	1,181	0		
Feb 2023	108,430	139.8%	5,422	100.00%	27,949	59.3%	14.8%	25.9%	1,009	0		
Jan 2023	77,849	71.6%	3,539	100.00%	22,466	62.1%	17.5%	20.4%	722	0		
Dec 2022	75,932	138.4%	3,616	100.00%	22,271	56.1%	17.7%	26.1%	717			

Year	Traded Contracts		Daily Average	Order Book Share	No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change				Agent	Market Maker	Principal			Calls	Puts
2023	1,065,792	0.0%	4,180	100.00%	282,355	51.2%	24.5%	24.3%	9,851	0		
2022	829,732	0.0%	3,229	100.00%	167,202	68.2%	4.1%	27.7%	7,966	0		
2021	168,750	0.0%	659	100.00%	20,871	65.6%	0.0%	34.4%	1,459	0		

## Foreign Exchange Derivatives :: Foreign Exchange Options

Number of Products	12
Number of Series	13,226
Launched Products per Month	0

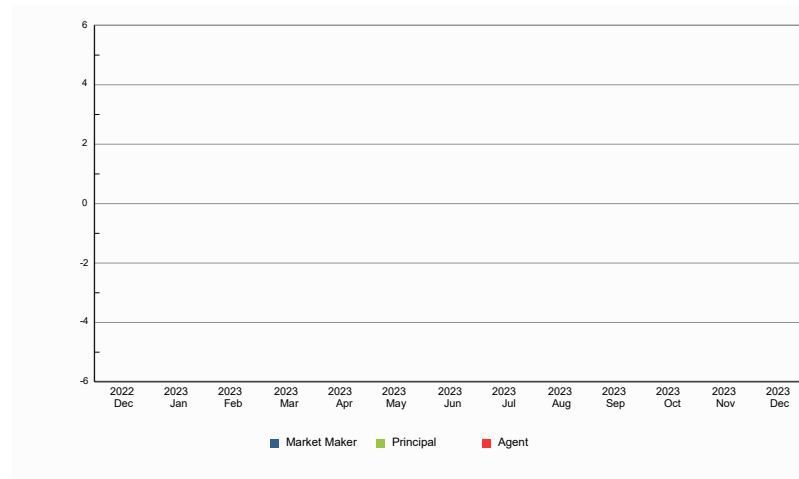
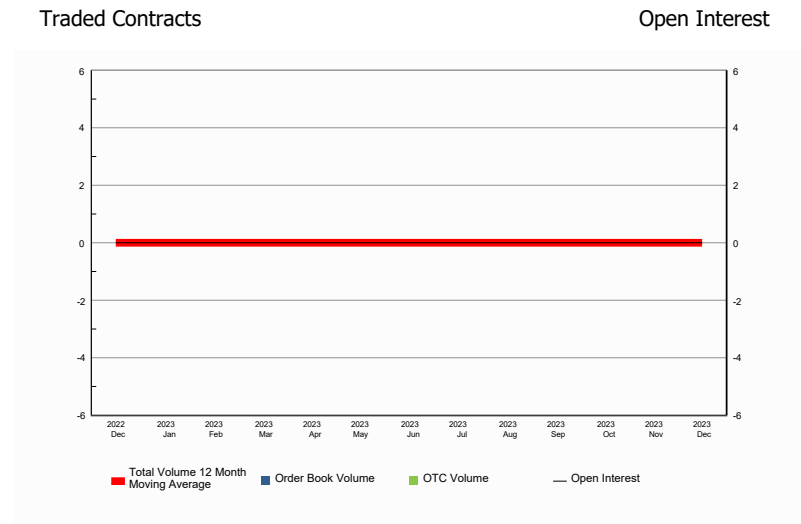
### Volume Development Trend

YoY Change	YTM/YTM prev. Year
<span style="color: red;">↓</span> < -25% <span style="color: red;">←</span> >=-25% and < 0% <span style="color: green;">→</span> >=0% and =25% <span style="color: green;">↑</span> > 25%	

### Traded Contracts & Open Interest

### Traded Contracts by Account Type

### Traded Contracts by Product Class



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

### Most Active Products (Traded Contracts)

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2022	0	-100.0%			0				<1	0		
2021	20	-	0	100.00%	3	50.0%	50.0%	0.0%	2	0	100.00%	



Foreign Exchange Derivatives :: Foreign Exchange Options :: Foreign Exchange Options

Number of Products	12
Number of Series	13,226
Launched Products per Month	0

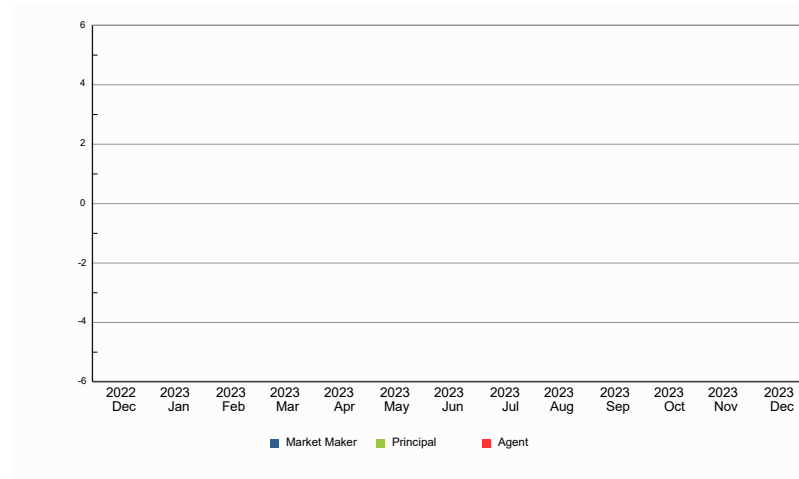
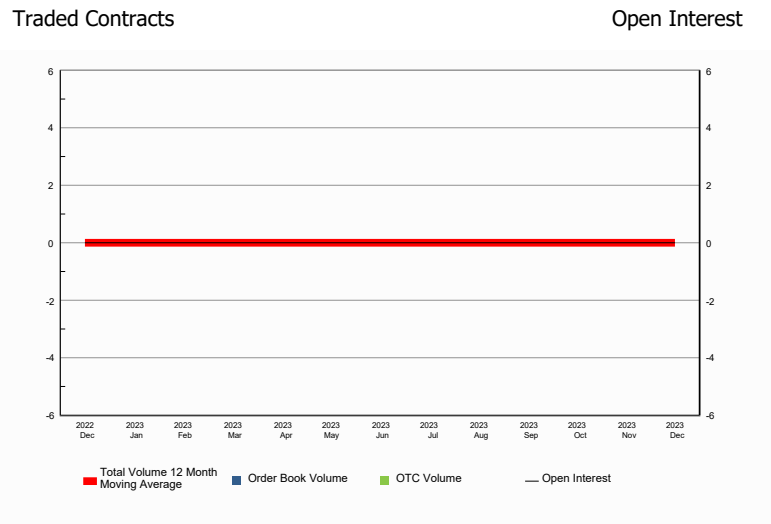
**Volume Development Trend**

MoM Change	YTM/YTM prev. Year
<span style="color: red;">↓</span> < -25% <span style="color: red;">←</span> >=-25% and < 0% <span style="color: green;">→</span> >=0% and <=25% <span style="color: green;">↑</span> > 25%	

**Traded Contracts & Open Interest**

**Traded Contracts by Account Type**

**Traded Contracts by Product**



No contract volume for reporting period

Month	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Orderbook Share		Agent	Market Maker	Principal			Calls	Puts

**Most Active Products (Traded Contracts)**

Year	Traded Contracts				No of Trades	Market Share			Capital Volume in Mio EUR	Open Interest in Contracts	Market Share	
	Total	YoY Change	Daily Average	Order Book Share		Agent	Market Maker	Principal			Calls	Puts
2022	0	-100.0%			0				<1	0		
2021	20	-	0	100.00%	3	50.0%	50.0%	0.0%	2	0	100.00%	

Product Group		Product Type		Product Class	
BND	Capital Market Derivatives	FBND	Capital Market Futures	FBND_CMF	LDX IRS Constant Maturity Futures
COM	Commodity Derivatives	GOLD	Precious Metals Derivatives	FCOM_GXD	Precious Metals Futures
				OCOM_GXD	Precious Metals Options
		CINX	Commodity Index Derivatives	CINX_FDIX	Commodity Index Futures
				CINX_ODIX	Commodity Index Options
DVD	Dividend Derivatives	FDVD	Dividend Futures	FDVD_INX	Equity Index Dividend Futures
				FDVD_EQ	Single Stock Dividend Futures
		ODVD	Dividend Options	ODVD_INX	Options on Equity Index Dividend Futures
STK	Equity Derivatives	OSTK	Equity Options	OSTK_OTH	Options on Other Stocks
				OSTK_RU	Options on Russian Stocks
				OSPX	Options on S&P 500 Components
				OESA	Options on STOXX® Europe 600 Automobiles & Parts Components
				OESB	Options on STOXX® Europe 600 Banks Components
				OESS	Options on STOXX® Europe 600 Basic Resources Components
				OESC	Options on STOXX® Europe 600 Chemicals Components
				OESN	Options on STOXX® Europe 600 Construction & Materials Components
				OESF	Options on STOXX® Europe 600 Financial Services Components
				OESO	Options on STOXX® Europe 600 Food & Beverage Components
				OESH	Options on STOXX® Europe 600 Health Care Components
				OESG	Options on STOXX® Europe 600 Industrial Goods & Services Components
				OESI	Options on STOXX® Europe 600 Insurance Components
				OESM	Options on STOXX® Europe 600 Media Components
				OESE	Options on STOXX® Europe 600 Oil & Gas Components
		OESZ	Options on STOXX® Europe 600 Personal & Household Goods Components		
		OESL	Options on STOXX® Europe 600 Real Estate Components		
		OESR	Options on STOXX® Europe 600 Retail Components		
		OESY	Options on STOXX® Europe 600 Technology Components		
		OEST	Options on STOXX® Europe 600 Telecommunications Components		
		OESV	Options on STOXX® Europe 600 Travel & Leisure Components		
		OESU	Options on STOXX® Europe 600 Utilities Components		
		FSTK	Single Stock Futures	FSTK_OTH	Futures on Other Stocks
				FSTK_RU	Futures on Russian Stocks
				FSPX	Futures on S&P 500 Components
				FESA	Futures on STOXX® Europe 600 Automobiles & Parts Components
				FESB	Futures on STOXX® Europe 600 Banks Components
				FESS	Futures on STOXX® Europe 600 Basic Resources Components
				FESC	Futures on STOXX® Europe 600 Chemicals Components
				FESN	Futures on STOXX® Europe 600 Construction & Materials Components
				FESF	Futures on STOXX® Europe 600 Financial Services Components
				FESO	Futures on STOXX® Europe 600 Food & Beverage Components
				FESH	Futures on STOXX® Europe 600 Health Care Components
FESG	Futures on STOXX® Europe 600 Industrial Goods & Services Components				
FESI	Futures on STOXX® Europe 600 Insurance Components				
FESM	Futures on STOXX® Europe 600 Media Components				
FESE	Futures on STOXX® Europe 600 Oil & Gas Components				
FESZ	Futures on STOXX® Europe 600 Personal & Household Goods Components				
FESL	Futures on STOXX® Europe 600 Real Estate Components				
FESR	Futures on STOXX® Europe 600 Retail Components				

Product Group	Product Type	Product Class	Product Class		
STK	Equity Derivatives	FSTK	Single Stock Futures	FESY	Futures on STOXX® Europe 600 Technology Components
				FEST	Futures on STOXX® Europe 600 Telecommunications Components
				FESV	Futures on STOXX® Europe 600 Travel & Leisure Components
				FESU	Futures on STOXX® Europe 600 Utilities Components
INX	Equity Index Derivatives	OINX	Equity Index Options	OINX_BLU	Equity Index Options
				OINX_KOS	Eurex KOSPI Product
				OBNX_ESX	EURO STOXX® Broadbased and Size Index Options
				OINX_ESX	EURO STOXX® Sector Index Options
				OBNX_STX	STOXX® Europe 600 Broadbased and Size Index Options
				OINX_STX	STOXX® Europe 600 Sector Index Options
		FINX	Equity Index Futures	FINX_DJX	Dow Jones Sector Titans Index Futures (SM)
				FINX_BLU	Equity Index Futures
				FBNX_ESX	EURO STOXX® Broadbased and Size Index Futures
				FINX_ESX	EURO STOXX® Sector Index Futures
XTF	ETF & ETC Derivatives	OXTF	Exchange Traded Funds Options	OXTF_CS	CS ETF (CH) Options
				OXTF_DBX	db x-trackers ETF Options
				OXTF_ISH	iShares ETF Options
				OXTF_LYX	Lyxor ETF Options
				OXTF_SRC	Source ETF Options
		FXTF	Exchange Traded Funds Futures	FXTF_CS	CS ETF (CH) Futures
				FXTF_DBX	db x-trackers ETF Futures
				FXTF_ISH	iShares ETF Futures
		FXTC	Exchange Traded Commodities Futures	FXTC_DBC	Deutsche Borse Commodities Futures
				FXTC ETF	ETF Securities Futures
OXTC	Exchange Traded Commodities Options	OXTC_DBC	Deutsche Borse Commodities Options		
		OXTC ETF	ETF Securities Options		
CUR	Foreign Exchange Derivatives	FCUR	Foreign Exchange Futures		
		OCUR	Foreign Exchange Options		
FIN	Interest Rate Derivatives	INTP	Money Market Derivatives	FFIN_SRT	Money Market Futures
				OFIN_SRT	Options on Money Market Futures
		FINP	Fixed Income Derivatives	FFIN_LNG	Fixed Income Futures
				OFIN_LNG	Options on Fixed Income Futures
PROP	Property Derivatives	FPROP	Property Futures	FPROP_IPD	Futures on IPD Indexes
VOL	Volatility Index Derivatives	FVOL	Volatility Index Futures	FVOL	VSTOXX® Futures
		OVOL	Volatility Index Options	OVOL	VSTOXX® Options

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