



SIX Swiss Exchange

ETF Market Report

4th Quarter of 2022

Number of
the Quarter

361,382

Number of ETF transactions
on Swiss stock exchange in Q4 2022

25

Number of New Listings
in the 4th Quarter of 2022

Best Performance in the
4th Quarter of 2022

55.46%

HSBC MSCI TURKEY (HTRY)

Highest issuer
market share

43.99%

UBS

1,099.02 Mio.

Top Turnover Single ETF

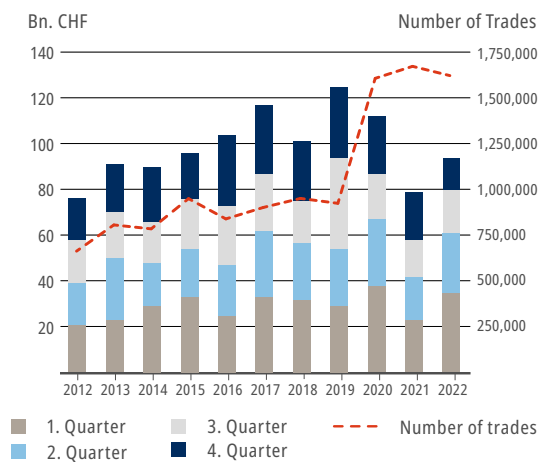
Volume of most-traded product in Q4 2022
UBS FUND MSCI ACWI SF H-USD (ACWIU)

Trend reversal on the horizon?

Hopes of an imminent end to key interest rate hikes in the US and the associated decline in the US dollar gave the stock markets a strong boost in October and November. Despite a breather in December, the majority of stock markets achieved a positive performance in the fourth quarter for the first time in 2022. However, annual performance remained well in the red in almost all cases. The S&P 500 gained 7.56% in Q4 despite a 5.76% decline in December, thus reducing the annual decline by 18.11%. This was the weakest performance since 2008. The main pillars of the upturn in Q4 were the energy and industrial sectors, up 22.81% and 19.22% respectively. Cyclical consumption was weak, down 10.18%. The S&P Europe 350 actually rose by 9.71% in the final quarter of the year. The eurozone countries did well with a plus of 12.93%, while the British stock market, which was the best performer throughout the year thanks to its defensive sector structure, lagged behind somewhat with a plus of 8.76%. Among the sectors of the S&P Europe 350, the financial sector stood out in the fourth quarter with an increase of 14.98%, closely followed by cyclical consumption and industry. Consumer staples recorded the least impetus with a quarterly gain of 1.81%. The Swiss stock market was not quite able to keep pace with Europe. The performance index of the blue-chip stock market indicator SMI climbed by 4.50%. The stocks of Richemont, Logitech, UBS, Swiss Re and Holcim stood out positively, while the stocks of Credit Suisse, Roche, Lonza and Givaudan were the only ones among the 20 stocks represented in the SMI to record a negative performance.

The new horizon on the equity markets led to a revival on the ETF market. Compared to the previous quarter, the number of trades increased by 5.57%. However, there was

ETF Turnover Development



Source: SIX Swiss Exchange

still room for improvement compared to the same quarter last year. This resulted in a decrease of 8.79%. Turnover amounted to CHF 14.27 billion. It was thus down 23.41% on that of the third quarter and 31.02% lower compared to the same quarter of the previous year. Compared to the previous year, the average ticket size decreased by 7.29% to CHF 56,088. The median level of CHF 5,525 was down 5.02% on the previous year. The number of ETFs listed on SIX Swiss Exchange increased by 25 units in the final quarter, growing the total number to 1,696 units. The main focus of the new listings was once again related to sustainability. There were also two increases in specialty funds based on megatrends.

Table of Contents

1	04
ETF Market on SIX Swiss Exchange	
1.1 ETF Turnover and Number of Trades	04
1.2 Top-10 Selected Changes in the Overall Market	05
1.3 Turnover by Product Provider	06
1.4 Top-5 Selected Changes per Asset Class	07
1.5 Trading Details	08
1.6 Quote on Demand	09
2	10
ETFs in Switzerland	
2.1 Trading Details	10
2.2 Number of ETFs by Market Maker	11
2.3 New Listings in the Quarter	12
3	13
European Market	
4	14
Interview	
5	16
Disclaimer/Imprint	

1.1 ETF Turnover and Number of Trades

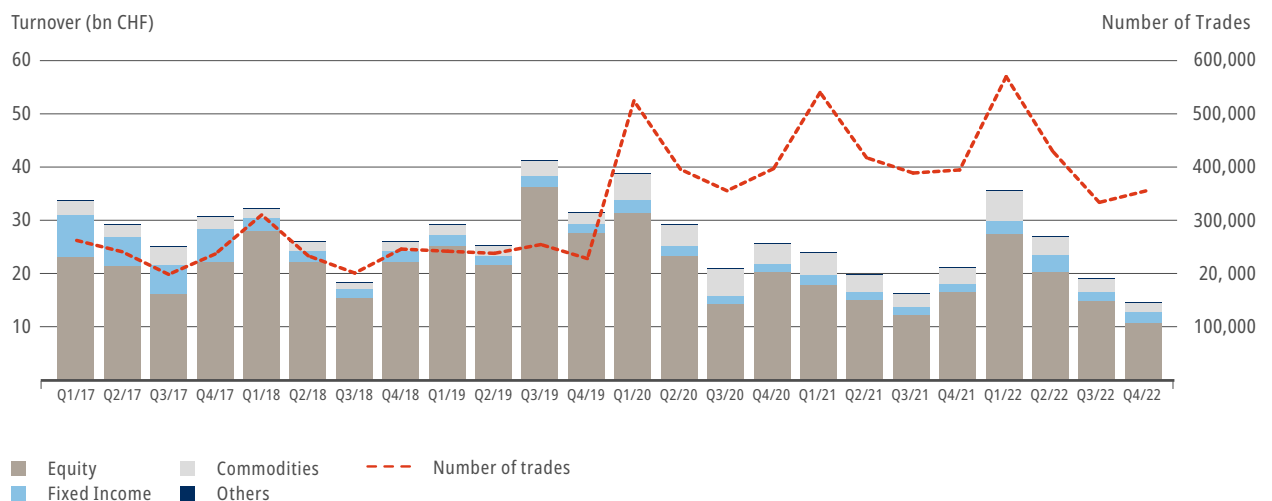
Total turnover in Q4 was 31.02% lower than in the previous year. Only the bond asset class increased its turnover (+17.89%). The others all posted lower turnover. Compared to Q3, both the bond and others asset classes recorded an increase in sales, while equities and commodities remained below Q3 levels. Equities remained the most popular category with a 74.43% share of total turnover (Q3: 78.17%). With a 3.91% higher share of 13.25%, bonds came in second place. They displaced commodities, which suffered somewhat from the decline in energy prices and came to a 0.39% lower share of 11.80% in Q4.

The list of the most-traded ETFs in the third quarter was headed unchanged by ACWIU, ACWIS, and ACWIE. All three equity ETFs are based on the MSCI ACWI, which comprises large and medium-sized companies from 23 industrialized countries and 24 emerging countries. Although 13 of the top 20 posted growth in turnover, total turnover was down 28.37% on the previous quarter, not least because it was the four ETFs with the highest turnover that suffered declines. Contrary to the general trend, the ETF EMUAA based on the MSCI EMU Total Return Net Index increased in particular. This invests in European large and mid caps included in the MSCI EMU Index. EMUSRI also achieved a triple-digit increase. In principle, the ETF invests in equities represented in the MSCI EMU SRI Low Carbon Select 5% Issuer Capped Total Return Net Index.

Top-20 Most Traded ETFs

Product	Turnover (mn CHF)	Trend
UBS FUND MSCI ACWI SF H-USD	1,099.02	↓
UBS FUND MSCI ACWI SF H-CHF	748.99	↓
UBS FUND MSCI ACWI SF H-EUR	574.20	↓
iSh Core S&P500 USD Acc	429.49	↓
UBSETF MSCI EMU EUR ACC	404.35	↑
iSh Core SPI (CH) CHF Dis	315.86	↑
Invesco EQQQ	304.77	↑
ZKB GOLD ETF	252.94	↑
UBSETF MSCI EMU SRI EUR ACC	252.40	↑
iSh Core MSCI Wrld USD Acc	214.37	↓
ZKB GOLD ETF (USD)	193.90	↑
iSh Nasdaq 100 USD Acc	191.74	↑
iSh SMI (CH) CHF Dis	181.90	↑
UBSETF SMI CHF DIS	158.02	↑
iSh Core CorpBnd (CH) CHF Dis	141.94	↑
UBSETF MSCI CANADA CAD DIS	137.02	↑
iSh SMIM (CH) CHF Dis	123.11	↑
UBSETF SMIM CHF DIS	122.32	↓
UBSETF MSCI EM SRI USD DIS	110.68	↓
UBSETF CMCI OIL USD DIS	110.43	↑

Source: SIX Swiss Exchange



Source: SIX Swiss Exchange

1.2 Top-10 – Selected Changes in the Overall Market

The best performance in CHF in fourth quarter was achieved by the ETF HTRY from HSBC based on the MSCI Turkey, which posted an increase of 55.46%. In second place with an increase of 34.30% was XLDX from Xtrackers, which aims to track the development of the underlying LevDAX. In third place was LYLVD from Amundi, which also tracks the performance of the LevDAX. ETFs such as LYCEC and EAST, which are based on Eastern Europe, and ETFs such as S7XE and SX7EEX, which are based on the European banking sector, also recorded a positive price performance.

The biggest losers in the third quarter included the blockchain megatrend. Crypto assets generally experienced a difficult year. The largest price loss of 52.50% was attributable to DAPP from the issuer VanEck, which focuses on crypto and blockchain innovators. Close behind was BKCH, an ETF from Global X, which also focuses on the future potential of block-

chain. Other losers included ETFs based on palladium, as well as a leveraged ETF from Amundi based on the ShortDAX and BUGU, an ETF based on the cybersecurity megatrend.

The highest numbers of trades in the fourth quarter, in descending order, were again attributable to the ETFs CHSPI (SPI), CHDVD (SPI Select Dividend 20) and, for the first time, CSSMI (SMI). CHSPI already topped the ranking in Q2. Nine of the ten ETFs included in the ranking of the number of trades posted a lower turnover rate than in the third quarter. The exception was the seventh-ranked ETF CSNDX based on the Nasdaq-100. Here, the ongoing negative trend of several heavyweights of the technology exchange certainly played a decisive role. The strongest increase in terms of number of trades was achieved by the fourth-placed bond ETF CHCORP.

Top-10 ETFs Best Performance

Product	Symbol	Performance	Trend
HSBC MSCI TURKEY UCITS ETF	HTRY	55.46	↑
X LEVDAX DAILY SWAP	XLDX	34.30	↑
LYXOR DAILY LEV DAX	LYLVD	32.88	↑
LYXOR EURSTX50 DAILY LEV	LYLVE	32.73	↑
LYXOR MSCI EAST EU EX RUSSIA	LYCEC	29.73	↑
AMUNDI MSCI EE XR-EUR	CE9E	28.31	↑
LYXOR MSCI EAST EU EX RUSSIA	EAST	27.75	↑
AMUNDI MSCI EE XR-USD	CE9USD	27.75	↑
INVESCO ESTOXX OPT BANKS	S7XE	26.64	↑
ISHARES EURO STOXX BANKS 30-	SX7EEX	26.47	↑

Source: Bloomberg

Top-10 ETFs Worst Performance

Product	Symbol	Performance	Trend
VANECK CRYPTO AND BLOCKCHAIN	DAPP	-52.50	↓
GLOB X BLOCKCHAIN UCITS ETF	BKCH	-51.27	↓
LYXOR MSCI RUSSIA UCITS ETF	LYRUS	-49.54	↓
ETCG BLOCKCH UCITS ETF USD-A	KOIN	-33.94	↓
SWISSCANTO PHYS PLD - USD A	JBPAUA	-25.42	↓
UBS ETF PALLADIUM	PLUSA	-25.19	↓
LYXOR DAILY SHORTEX X2	LYSD	-24.20	↓
ZKB PALLADIUM ETF AA CHF	ZPAL	-23.65	↓
SWISSCANTO PHYS PLD - CHF A	JBPACA	-20.54	↓
GX CYBERSECURITY UCITS	BUGU	-19.33	↓

Source: Bloomberg

Top-10 ETFs Number of Trades (Tickets)

Product	Symbol	No. of Trades	Trend
iSh Core SPI (CH) CHF Dis	CHSPI	8,572	↑
iSh Swiss Div (CH) CHF Dis	CHDVD	7,029	↑
iSh SMI (CH) CHF Dis	CSSMI	6,533	↑
iSh Core CorpBnd (CH) CHF Dis	CHCORP	6,162	↑
iSh Core S&P500 USD Acc	CSSPX	5,948	↑
Vanguard All World ETF Dist	VWRL	5,831	↑
iSh Nasdaq 100 USD Acc	CSNDX	5,450	↓
iSh Core MSCI Wrld USD Acc	SWDA	5,443	↑
iSh MSCI USA ESG Ench	EDMU	5,286	↑
ZKB GOLD ETF	ZGLD	5,080	↑

Source: SIX Swiss Exchange

1.3 Turnover by Product Provider

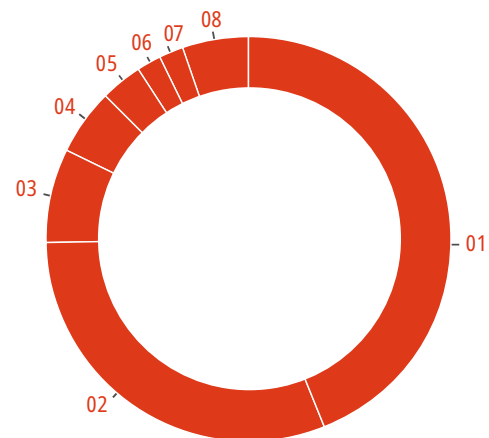
The turnover ranking by issuer was again led by UBS in the fourth quarter. However, its relative share decreased by 12.60% to 43.99%. It was followed by BlackRock/iShares still, then by ZKB ETFs, which moved up a rank to third place and overtook Invesco again. The share of total turnover attributable to these four issuers came to a total of 87.67% in Q4 (Q3: 88.64%). With

the exception of the top three, the turnover of the remaining providers were well below the one-billion mark in some cases. Among the mid-sized providers, HSBC, Legal & General and Fidelity stood out positively in the fourth quarter in terms of absolute growth in turnover. Among the smaller providers, Pimco, BNP Paribas and Goldman Sachs stood out.

ETF Turnover by Product Provider

Issuer	Products	Turnover (mn CHF)	Market Share	Trend
UBS-ETF	337	6,277.39	43.99	↓
iShares	319	4,415.45	30.94	↑
ZKB ETFs	34	1,064.78	7.46	↑
Invesco	109	753.54	5.28	↑
Xtrackers	113	486.48	3.41	↑
SPDR ETF	85	281.20	1.97	↑
Amundi	256	402.38	2.82	↑
Credit Suisse Index Fund	10	135.47	0.95	↓
Vanguard	43	134.54	0.94	↑
HSBC	41	54.29	0.38	↑
Legal & General	34	49.86	0.35	↑
Van Eck Global	25	37.61	0.26	↑
WisdomTree	47	30.87	0.22	↑
JPMorgan	40	30.26	0.21	↑
Fidelity	37	21.58	0.15	↑
Raiffeisen	8	18.28	0.13	↓
Franklin Templeton	19	12.97	0.09	↑
Ossiam	27	12.93	0.09	↑
Pimco	16	11.04	0.08	↑
BNP Paribas	28	10.60	0.07	↑
Global X ETFs	34	7.92	0.06	↑
Goldman Sachs	4	7.60	0.05	↑
HANetf	18	7.21	0.05	↓
Tabula	1	3.60	0.03	↓
China Post Global	3	1.90	0.01	↓
Rize UCITS ICAV	8	1.77	0.01	→
Total	1,696	14,272	100.00	↓

Source: SIX Swiss Exchange



01	43.99 %	UBS-ETF
02	30.94 %	iShares
03	7.46 %	ZKB ETFs
04	5.28 %	Invesco
05	3.41 %	Xtrackers
06	1.97 %	SPDR ETF
07	2.82 %	Amundi
08	4.13 %	other issuers

1

ETF Market on SIX Swiss Exchange

1.4 Top-5 Selected Changes per Asset Class

Equity Developed Market

Product	Turnover (mn CHF)	Trend
UBS FUND MSCI ACWI SF H-USD	1,099	↓
UBS FUND MSCI ACWI SF H-CHF	749	↓
UBS FUND MSCI ACWI SF H-EUR	574	↓
iSh Core S&P500 USD Acc	429	↓
UBSETF MSCI EMU EUR ACC	404	↑

Source: SIX Swiss Exchange

Fixed Income & Money Market

Product	Turnover (mn CHF)	Trend
iSh Core CorpBnd (CH) CHF Dis	142	↑
UBSETF US LIQ CORP 1-5 USD ACC	77	↑
iSh \$ TreasBnd 7-10 USD Dis	73	↑
iSh \$ TreasBnd 1-3y USD Dis	65	↑
iSh EUR Crp Bnd ESG CHF Hdgd A	62	↑

Source: SIX Swiss Exchange

Equity Emerging Market

Product	Turnover (mn CHF)	Trend
ISH CORE MSCI EM IMI USD ACC	58	↓
iSh MSCI EM USD Dis	31	↓
iSh MSCI EM SRI USD Acc	31	↑
UBSETF MSCI EM USD ACC	29	↓
UBSETF MSCI EM USD DIS	26	↓

Source: SIX Swiss Exchange

Commodities

Product	Turnover (mn CHF)	Trend
ZKB GOLD ETF	253	↑
ZKB GOLD ETF (USD)	194	↑
UBSETF CMCI OIL USD DIS	110	↑
ZKB GOLD ETF (EUR)	105	↓
ZKB GOLD ETF HEDGED (CHF)	92	↑

Source: SIX Swiss Exchange

Equity Style / Strategy / Themes

Product	Turnover (mn CHF)	Trend
iSh SMIM (CH) CHF Dis	123	↑
UBSETF SMIM CHF DIS	122	↓
UBSETF MSCI EM SRI USD DIS	111	↓
UBSETF MSCI USA SRI USD DIS	106	↑
ISH SWISS DIV (CH) CHF DIS	97	↓

Source: SIX Swiss Exchange

Volatility

Product	Turnover (mn CHF)	Trend
iSh Edg S&P500 MinVol Acc	3	↑
iSh Edg MSCI Wrld MinVol Acc	3	↑
iSh Edg MSCI EM MinVol Acc	2	↓
MSCI World Minimum Volatility	1	↑
UBSETF FAC US LO VOL USD DIS	1	↑

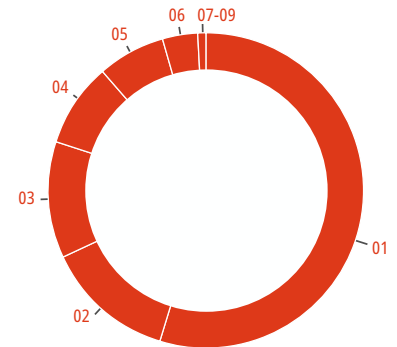
Source: SIX Swiss Exchange

1.5 Trading Details

Turnover by Asset Classes

Asset Class	Absolute	Change	Turnover (mn)	Trend
1 Equity Developed Markets	54.98 %	-30 %	7,846.79	↓
2 Fixed Income	13.22 %	9 %	1,886.21	↑
3 Commodities	11.80 %	-26 %	1,684.40	↓
4 Equity Themes	8.78 %	-17 %	1,253.66	↓
5 Equity Style / Strategy	6.92 %	-21 %	986.96	↓
6 Equity Emerging Markets	3.67 %	2 %	523.18	↑
7 Funds	0.52 %	32 %	74.45	↑
8 Volatility	0.08 %	80 %	11.04	↑
9 Money Market	0.03 %	-22 %	4.80	↓
Total	100.00 %		14,271.49	

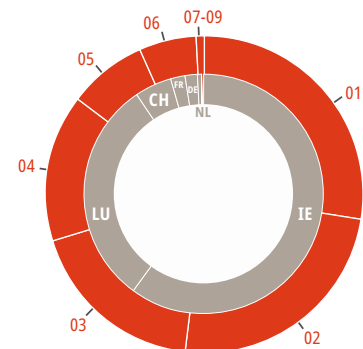
Source: SIX Swiss Exchange



Number of ETFs by Asset Class

Asset Class	Absolute	Change	Turnover (mn)	Trend
1 Equity Developed Markets	26.59 %	1 %	451	↑
2 Fixed Income	24.53 %	2 %	416	↑
3 Equity Themes	19.75 %	1 %	335	↑
4 Equity Style / Strategy	15.45 %	0 %	262	→
5 Equity Emerging Markets	7.61 %	0 %	129	→
6 Commodities	5.37 %	0 %	91	→
7 Volatility	0.53 %	0 %	9	→
8 Money Market	0.12 %	0 %	2	→
9 Funds	0.06 %	0 %	1	→
Total	100.00 %		1,696	

Source: SIX Swiss Exchange



*Some fungible ETFs (same ISIN) are tradable in multiple currencies. They are accordingly counted more than once.

1.6 Quote on Demand

For the third time, we provide an update on the developments in “Quote on Demand” (QOD). QOD offers institutional investors the opportunity to execute orders in a bidding process directly with the most important registered liquidity providers in Europe. Thanks to QOD’s optional functionality, investors can also benefit from passive liquidity in the existing “quote-driven market” by choosing to the ‘sweep’ order type when making a request for quote. By combining the existing “quote-driven market” order book with QOD, additional liquidity is available to investors on the SIX exchange. In addition, QOD allows for seamless settlement of trades via a central counterparty and offers trading, clearing, and settlement in a fully automated, end-to-end process helping to bring post-trade efficiencies.

In the fourth quarter, the ETF EQQQ was traded particularly frequently via QOD. The fund aims to track the performance of the net total return of the Nasdaq-100 Index. Lively trading in this form was also recorded by the ETF IBTM based on six- to ten-year US government bonds and the ETF WSRUSA, which is based on the MSCI World SRI Low Carbon Select 5% Issuer Cap Index. Turnover for all other ETFs ranked was in the single digits or lower.

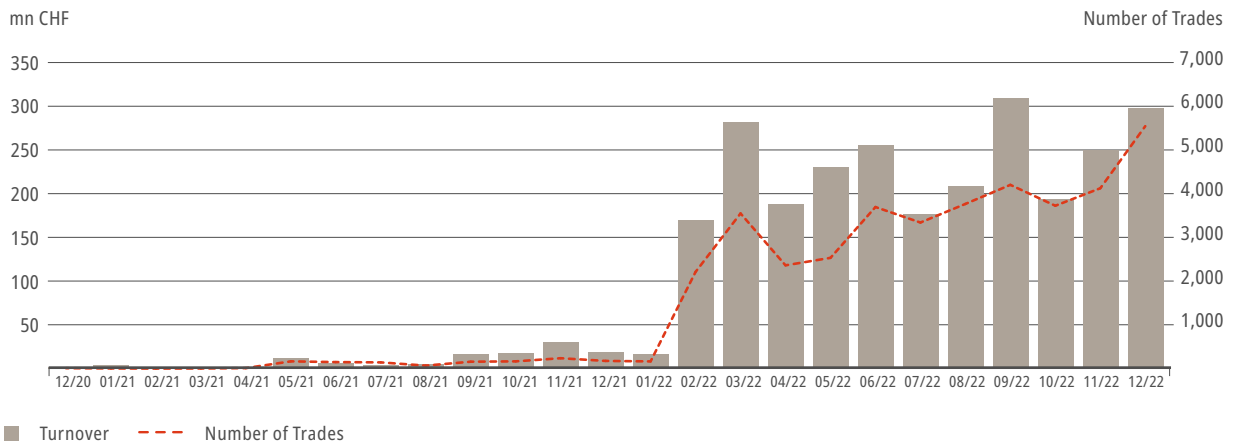
After an initially hesitant start, QOD – which was launched on the stock market in December 2020 – has developed splendidly this year. Monthly turnover increased steadily, reaching 324 million in December, the second highest monthly turnover recorded to date after September. The number of trades in the last month of the fourth quarter came to 5,642. This was the highest level registered to date.

Top-20 Most Traded Products

Product	Turnover (mn CHF)	Trend
Invesco EQQQ	43.49	↑
iSh \$ TreasBnd 7-10 USD Dis	25.30	↑
UBSETF MSCI World SRI USD DIS	14.49	↑
iSh MSCI Wrld CHF-H Acc	1.57	↑
UBSETF S&P 500 H-CHF ACC	1.47	↓
UBSETF MSCI SWITZE SRI CHF Acc	0.50	↑
21Shares Ripple XRP ETP	0.47	↑
UBSETF MSCI ACWI SRI H-CHF ACC	0.47	↑
iSh \$ Corp Bond ESG Acc	0.44	↓
iSh MSCI Japan CHF-H Acc	0.41	↓
iSh MSCI ACWI USD Acc	0.40	↓
UBSETF US LIQ CORP 1-5 USD ACC	0.38	↑
iSh Glob Infl-L GovBnd USD Acc	0.28	↑
ZKB Palladium ETF - CHF	0.26	↑
SPDR MSCI ACWI EUR Hdg (Acc)	0.15	↑
UBSETF EU LiqCorSust EUR DIS	0.09	↑
iSh Core DAX EUR Acc	0.06	↑
Vanguard All World ETF Dist	0.04	↑
Invesco Utilities S&P US Sect	0.03	↓
Lyxor NYSE Arca Gold BUGS	0.02	↓

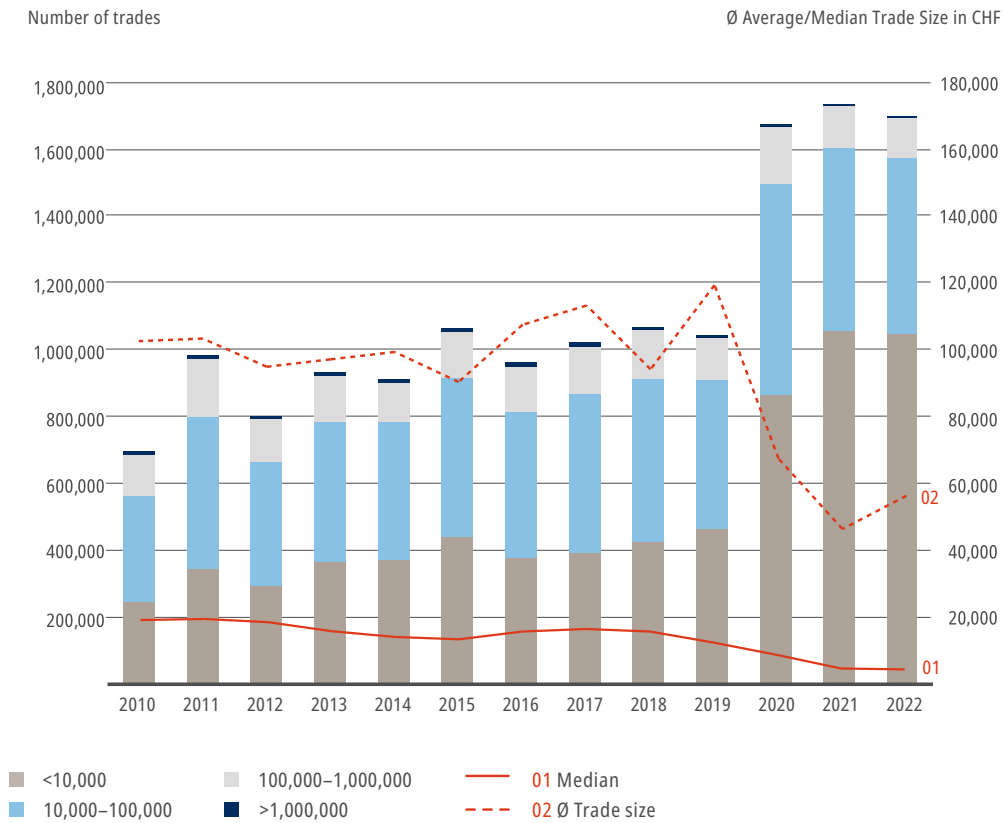
Source: SIX Swiss Exchange

Turnover and Number of Trades on Quote on Demand



Source: SIX Swiss Exchange

2.1 Trading Details (Breakdown of Respective Ticket Size)



Source: SIX Swiss Exchange

2.2 Number of ETFs by Market Maker (During the Quarter)

Name	ETFs	Name	ETFs	Name	ETFs
Flow Traders B.V.	1,270	Virtu Financial Ireland Ltd	109	Morgan Stanley & Co. Intl	3
Société Générale	908	Zürcher Kantonalbank	34		
Optiver VOF	665	RBC Europe Limited	30		
BNP Paribas	375	Susquehanna	28		
Goldenberg Hehmyer LLP	342	Deutsche Bank AG London Branch	10		
DRW Europe B.V.	224	Credit Suisse International	10		
Finovesta GmbH	201	Raiffeisen Schweiz Genossenschaft	8		
UBS AG, Zürich	124	Credit Suisse AG	6		

Source: SIX Swiss Exchange

Spread-Monitor (Tightest Spreads)

Product	Ticker	TER	Ø Bid Ask Spread (%)
ISHARES EURO ULTRASHORT BOND	ERNE	0.09	0.04
ISHARES EUR GOVT 1-3YR	IBGS	0.15	0.04
X DAX	XDAX	0.09	0.04
ISHARES CORE DAX DE EUR ACC	DAXEX	0.16	0.05
X MSCI USA CHF	XD9C	0.12	0.05
ISHARES EURO GOVT 3-5Y	IBGX	0.15	0.05
ISHARES CORE EURO STOXX 50	EUNE	0.10	0.05
LYXOR FED FUNDS US DOLLAR CA	CBFEDF	0.10	0.06
ISHARES CORE EURO CORP BOND	IEAC	0.20	0.06
ISHARES CORE MSCI EUROPE	IMEU	0.12	0.06
ISHARES EURO CORP ESG IR-H	IRCP	0.25	0.06
ISHARES USD ULTRASHORT BOND	ERND	0.09	0.06
VANG FTSE AW USDD	VWRL	0.22	0.06
X SHORTDAX DAILY SWAP	XSDX	0.40	0.07
ISHARES CORE MSCI EUROPE ACC	IMEA	0.12	0.07
X EUR RATE SWAP 1D	XEON	0.10	0.07
VANG FTSE DW USDD	VEVE	0.12	0.07
JPM BETA US TRE BD UCITS ETF	BBTR	0.07	0.07
ISHARES EURO CORP LARGE CAP	IBCX	0.20	0.07
X EURO STOXX 50 1C	XESC	0.09	0.07

Source: Bloomberg

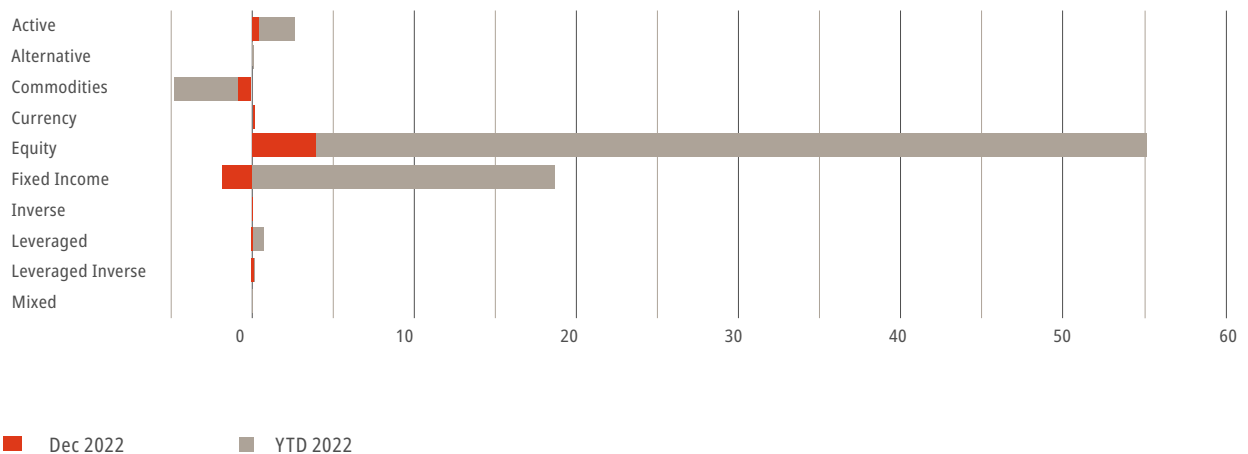
2.3 New Listings in the Quarter

First Trading Day	Product	Symbol	Currency	Management Fee	Market Maker
16.12.2022	iShares Blockchain Technology UCITS ETF USD (Acc)	BLKC	USD	0.50 %	Goldenberg Hehmeyer LLP, Optiver VOF
16.12.2022	iShares MSCI Wld Financials Sector ESG UCITS ETF USD (Dist)	WFNS	USD	0.25 %	Optiver VOF, Société Générale
16.12.2022	iShares S&P 500 ESG UCITS ETF USD (Acc)	ESPX	USD	0.07 %	BNP Paribas, Optiver VOF
16.12.2022	iShares S&P 500 Equal Weight UCITS ETF USD (Acc)	EWSP	USD	0.20 %	BNP Paribas, Optiver VOF
07.12.2022	Fidelity Sust Global HY Bond Paris-Aligned MF UCITS ETF-Inc	FGHY	USD	0.35 %	RBC Europe Limited
21.11.2022	Fidelity Sust Glb Corp Bond Paris A MF UCITS ETF - USD H Inc	FSMU	USD	0.30 %	RBC Europe Limited
17.11.2022	VANGUARD ESG EUR CORPORATE BOND UCITS ETF (EUR) ACC	V3RE	CHF	0.11 %	Goldenberg Hehmeyer LLP, Société Générale
17.11.2022	VANGUARD ESG EUR CORPORATE BOND UCITS ETF (EUR) Dist	V3RF	CHF	0.11 %	Goldenberg Hehmeyer LLP, Société Générale
17.11.2022	VANGUARD ESG USD CORPORATE BOND UCITS ETF (USD) ACC	V3SD	CHF	0.11 %	Goldenberg Hehmeyer LLP, Société Générale
17.11.2022	VANGUARD ESG USD CORPORATE BOND UCITS ETF (USD) Dist	V3SU	CHF	0.11 %	Goldenberg Hehmeyer LLP, Société Générale
14.11.2022	JPM UK Equity Core UCITS ETF - GBP (acc)	JUKC	GBP	0.25 %	Goldenberg Hehmeyer LLP, Société Générale
10.11.2022	Xtrackers II EUR High Yield Corporate Bond UCITS ETF 1D	XHYG	CHF	0.10 %	Flow Traders B.V., Goldenberg Hehmeyer LLP
08.11.2022	HSBC World ESG Biodiversity Screened EQ UCITS ETF USD (Acc)	HBDV	CHF	0.35 %	BNP Paribas, Société Générale
31.10.2022	VanEck Genomics and Healthcare Innovators UCITS ETF	CURE	CHF	0.35 %	Flow Traders B.V.
26.10.2022	L&G APAC exJ ESG Excl Paris Aligned UCITS ETF - USD Acc	RIAP	CHF	0.16 %	Flow Traders B.V.
26.10.2022	L&G Japan ESG Exclusions Paris Aligned UCITS ETF - USD Acc	RIJP	CHF	0.16 %	Flow Traders B.V.
17.10.2022	Invesco US Treasury Bond 10+ Year UCITS ETF Dist	TREL	USD	0.60 %	Flow Traders B.V.
17.10.2022	Invesco US Treasury Bond 10+ Year UCITS ETF EUR Hdg Dist	TRUD	EUR	0.10 %	Flow Traders B.V.
14.10.2022	JPM Japan REI Equity (ESG) UCITS ETF JPY (acc)	JJEJ	JPY	0.25 %	Goldenberg Hehmeyer LLP
13.10.2022	VANGUARD ESG DEVELOPED ASIA PAC ALL CAP UCITS ETF -(USD) ACC	V3PA	CHF	0.17 %	Société Générale
13.10.2022	Vanguard ESG Emerging Markets All Cap UCITS ETF - (USD) ACC	V3MA	CHF	0.24 %	Société Générale
12.10.2022	UBS SBI Foreign AAA-BBB 1-5 ESG UCITS ETF (CHF) A-acc	F1ESGA	CHF	0.20 %	Flow Traders B.V.
06.10.2022	Xtrackers Europe Net Zero Pathway Paris Aligned UCITS ETF 1C	XEPA	CHF	0.05 %	BNP Paribas, Société Générale
06.10.2022	Xtrackers Japan Net Zero Pathway Paris Aligned UCITS ETF 1C	XNJG	JPY	0.10 %	BNP Paribas, Société Générale
06.10.2022	Xtrackers USA Net Zero Pathway Paris Aligned UCITS ETF 1C	XNUS	CHF	0.05 %	BNP Paribas, Flow Traders B.V., Société Générale

At year-end, the equity asset class accounted for 66.18% of assets under management (end of September: 65.94%). The second-placed asset class, bonds, also accounted for a slightly higher proportion of 23.26% (end of September: 22.99%). The Commodities remained in third place with a slightly lower share of 8.02% (end of September: 8.41%), followed by actively managed ETFs with a share of 1.50%.

The number of ETFs climbed by 114 units to 2,937 in the 4th quarter. The decline in new money inflows in the European ETF sector last year was caused by the long period of difficult conditions in the financial markets, which were characterised by the outbreak of war in Ukraine, rising inflation and a series of interest rate hikes by central banks. In the fourth quarter, however, the negative trend slowed down considerably.

Net New Assets per Asset Class (in bn USD)



Source: ETFGI

Asset Classes	ETFs/ETPs	AuM Dec 2022 (in mn USD)	Market Share	Net New Assets (in mn USD)		
				Dec 2022	YTD 2022	YTD 2021
Active	85	21,229	1.5 %	245	2,753	5,401
Alternative	2	124	0.0 %	18	(56)	168
Commodities	304	113,786	8.0 %	(662)	(4,673)	3,051
Currency	134	3,476	0.2 %	(38)	167	1,685
Equity	1,434	938,793	66.2 %	3,879	55,721	136,193
Fixed income	476	329,921	23.3 %	2,955	34,135	44,535
Inverse	71	1,949	0.1 %	(116)	71	535
Leveraged	262	4,196	0.3 %	152	1,041	21
Leveraged Inverse	149	2,441	0.2 %	(91)	(315)	1,180
Mixed	20	2,585	0.2 %	(41)	104	690
Total	2,937	1,418,499	100.0 %	6,301	88,950	193,459

Source: ETFGI



Sustainability remains a dominant driver of growth.



Raimund Müller is the head of ETF & Index Fund Sales Switzerland and Liechtenstein. He has more than 20 years experience in the financial industry, with expertise in managing client relationships for institutional investors. He has been working for UBS Asset Management Switzerland AG based in Zurich since 2012. Prior to UBS, Raimund worked in institutional sales positions within the asset management units at Deutsche Bank and Lombard Odier. Raimund Müller is a Certified International Investment Analyst (2008). He holds a master's degree in Economics and Finance (2005) from Curtin University of Technology in Perth and a bachelor's degree in Business Administration (2003) from Zurich University of Applied Sciences in Winterthur.



Raimund Müller, CIIA, Leiter ETF & Index Fund Sales Schweiz und Liechtenstein.

What is the specialty of your house?

UBS Asset Management is a leading provider of investment solutions across all major traditional and alternative asset classes. We manage approximately 1,000 billion US dollars, of which 410 billion US dollars are indexed (as of 30 September 2022). In the indexed investment segment, we offer the broadest spectrum in Switzerland with 336 ETFs listed on the SIX Swiss Exchange and offer investors cost-efficient access to the most important asset classes and markets. Our speciality menu includes the widest range of sustainable ETFs, Swiss equity, bond and real estate ETFs, roll-optimised commodity ETFs as well as innovative fixed-income ETFs on corporate or emerging

market bonds. We played a pioneering role in sustainable ETFs in Switzerland when we launched the first products in 2011. Since then, we have continuously expanded our offering and can now offer a range that meets the various demands of investors in terms of sustainability. With a market share of 44% (Turnover SIX Swiss Exchange 4Q22), we are the undisputed ETF market leader in Switzerland.

What topics are currently moving the ETF industry?

The global ETF market has almost quadrupled in the last 10 years, reaching close to 9,000 billion US dollars at the end of 2022. In Europe and Switzerland, where the ETF

market is dominated by institutional investors, interest in sustainable ETFs continues unabated – reflecting a structural shift in the mindset of investors, which has also been reinforced by governments' efforts to decarbonise the economy. We are also seeing increased investor adoption and new applications for bond ETFs, which is accelerating growth. Bond ETFs not only act as a catalyst for modernizing bond markets, but they are also precision tools for portfolio adjustments. This enables investors to invest in a diversified manner and efficiently hedge inflation, interest rate or currency risks. For example, there were investors who switched to bond ETFs with short maturities of up to 5 years because of interest rate hikes. Once interest rates have reached an inflection point, they can invest again in ETFs with longer maturities.

What are your clients focusing on in the current environment?

Sustainable investing has been booming for several years and is increasingly becoming the norm. I am particularly pleased that our sustainable ETFs were also in demand during last year's turbulent times. In addition, geopolitics and the supply situation have also sharply increased investor demand for commodity and commodity-related equity ETFs. And finally, with the turnaround in interest rates - after the crash on the bond markets - investors are increasingly taking advantage of return opportunities in our fixed-income ETFs, because "bonds are back" and on everyone's lips.

What innovations are you planning?

UBS Asset Management stands for innovation. It is not for nothing that we have been named an "avant-gardist" in the Responsible Investment Brand Index 2021 for asset managers who are leaders in their commitment to sustainable investing. We are delighted to re-

ceive this award, and at the same time it is an incentive to remain a leader in this field. In 2023, we want to offer our clients new, innovative solutions and so we will be launching further sustainable ETFs on the equity markets in Asia, Australia and Switzerland, ESG-optimized green bonds and climate friendly gold, all listed on the SIX Swiss Exchange.

Where do you see the ETF market in Switzerland in the near future?

2023 is likely going to be another turbulent year for financial markets worldwide. We expect ETFs to grow in this environment, as more and more investors are investing in ETFs in particular. The Swiss ETF market is around 200 billion Swiss francs in size and is expected to grow in the single-digit billion range. We expect it to be a year of defensive alignment, earnings optimization and selective fixed income. Sustainability remains a dominant growth driver, and ESG ETFs are likely to continue to attract large amounts of new money.

What advantages do your customers derive from the stock exchange listing?

Exchange Traded Funds are transparent, cost-effective, broadly diversified and flexible. By definition, the DNA of ETFs includes trading on the stock exchange and so, unlike funds, ETFs can be traded at any time during normal market hours. The stock exchange listing is probably the most visible source of liquidity for investors on the secondary market, with high market transparency and a regulated environment. The SIX Swiss Exchange, where we have listed 336 ETFs, is not only one of the most technologically advanced, but also one of the most stable exchanges in the world. It provides access to Switzerland's well-funded international investor base, and we want to use this growth potential for our clients.

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A summary of investor rights in English can be found online at: ubs.com/funds.
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