

ETF MARKET OVERVIEW - UPDATE AS OF 31 DECEMBER 2020

Top 10 Fund Inflows

ISIN	Name	3M Flow in \$m	AUM in \$m	3M AUM Growth %
US9229087690	Vanguard Total Stock Market ETF	14 603	201 885	24%
US9219097683	Vanguard Total International Stock Index	7 545	38 511	47%
US4642876555	iShares Russell 2000 ETF	7 046	58 302	51%
US9219378356	Vanguard Total Bond Market ETF	5 927	68 120	9%
US00214Q1040	ARK Innovation ETF	5 314	17 751	100%
US46434G1031	iShares Core MSCI Emerging Markets ETF	5 199	68 719	29%
US92203J4076	Vanguard Total International Bond Index Fund	4 641	37 207	15%
US4642872265	iShares Core U.S. Aggregate Bond ETF	4 340	85 278	5%
US00214Q3020	ARK Genomic Revolution Multi-Sector ETF	4 111	7 653	231%
US81369Y6059	Financial Select Sector SPDR Fund	3 988	24 735	48%

Top 10 Fund Outflows

ISIN	Name	3M Flow in \$m	AUM in \$m	3M AUM Growth %
US78463V1070	SPDR Gold Shares ETF	-5 744	71 158	-8%
US4642874402	iShares 7-10 Year Treasury Bond ETF	-4 975	14 850	-26%
IE00B3F81R35	iShares Core Euro Corporate Bond UCITS ETF	-2 763	11 823	-14%
US46429B6974	iShares MSCI USA Minimum Volatility Factor ETF	-2 658	33 409	-2%
US4642886794	iShares Short Treasury Bond ETF	-2 461	17 809	-12%
US74347X8314	ProShares UltraPro QQQ ETF	-2 259	9 723	11%
US46641Q7209	JPMorgan BetaBuilders Europe ETF	-2 178	3 386	-32%
US9229083632	Vanguard S&P 500 ETF VOO	-2 166	178 123	10%
US4642874576	iShares 1-3 Year Treasury Bond ETF	-1 753	19 727	-8%
US4642874659	iShares MSCI EAFE ETF	-1 595	52 710	11%

Flow by Issuers in \$m

Issuer	Q4 2020 Flow	December AUM	October AUM	Q4 2020 Flow as % of AUM
BlackRock	83 349	2598 033	2381 748	3%
Vanguard	74 964	1617 892	1376 351	5%
State Street	14 057	918 755	796 421	2%
Invesco	5 704	315 209	289 997	2%
Charles Schwab	7 499	198 805	157 578	5%
First Trust	4 830	111 483	95 240	5%
DWS	7 552	92 534	138 331	5%
Societe Generale	-3 466	89 728	80 149	-4%
WisdomTree	1 080	66 278	61 620	2%
Van Eck	4 485	59 260	51 704	9%
UBS AG	6 875	56 368	72 622	9%
BMO Funds	941	53 770	46 980	2%
ProShares	-1 089	47 200	42 971	-3%
JPMorgan Chase & Co.	2 895	44 562	41 285	7%
Ark Investment Management	13 131	34 586	16 986	77%
PIMCO	1 722	27 037	34 463	5%
Amundi	5 965	25 418	65 496	9%
Fidelity Investments	1 997	25 078	20 721	10%
Mirae Asset Global Investments	4 114	23 482	16 794	24%
Goldman Sachs	510	21 180	18 796	3%
Direxion Funds	-1 233	18 649	14 505	-9%
Northern Trust	- 106	13 982	12 477	-1%
BNP Paribas	810	13 761	12 491	6%
Yuanta-Polaris Securities Investment Trust	- 924	13 109	13 596	-7%
Exchange Traded Concepts	1 686	11 503	8 069	21%
Horizons	459	10 542	9 573	5%
Cathay Securities Investment Trust	- 772	10 148	9 724	-8%
BetaShares Capital	1 367	9 945	8 148	17%
Franklin Templeton	811	9 523	8 293	10%
Capital Investment Trust Corporation	- 815	9 259	9 916	-8%

Flow by Issuers in \$m (cont'd)

Issuer	Q4 2020 Flow	December AUM	October AUM	Q4 2020 Flow as % of AUM
CSOP Asset Management	760	8 530	9 260	8%
ALPS	460	7 740	6 113	8%
Fubon Asset Management	- 645	7 076	5 533	-12%
Ashburton Investment	959	6 968	5 200	18%
KraneShares	994	6 471	5 386	18%
Aberdeen Standard Investments ETFs	66	6 393	5 895	1%
Invesco Markets II plc	- 153	6 038	6 334	-2%
CTBC Investments	352	5 909	6 297	6%
LGIM ETF's	756	5 859	5 109	15%
Credit Suisse	287	5 842	4 663	6%
Pacer Financial	95	5 715	5 151	2%
Victory Capital	195	5 585	4 720	4%
China Asset Management	242	5 086	6 298	4%
John Hancock	- 72	5 020	4 276	-2%
ETFMG	656	5 013	3 476	19%
KGI Securities Investment Trust	256	4 993	2 858	9%
United States Commodity Funds LLC	- 938	4 850	4 359	-22%
IndexIQ	439	4 497	3 791	12%
BMO Global Asset Management	300	4 016	3 496	9%
Janus	587	3 809	3 421	17%
Fubon Asset Management	339	5 533	5 194	6.53%

Flow by Asset Class in \$m

Asset Class	Q4 2020 Flow
Equity	186 737
Fixed Income	67 152
Alternative	2 670
Future	8
Currency	- 327
Commodity	-10 093

New Launches

ISIN	Name	Launch Date	AUM in \$m	Asset Class	Issuer
US46138G6310	Invesco Nasdaq Next Gen 100 ETF	13/10/2020	586	Equity	Invesco
US38149W8203	Goldman Sachs Innovate Equity ETF	10/11/2020	340	Equity	Goldman Sachs
US46138G6492	Invesco Nasdaq 100 ETF	13/10/2020	305	Equity	Invesco
US25434V1044	Dimensional US Core Equity Market ETF	20/11/2020	220	Equity	Dimensional ETFs
SGXC29409643	Nikkoam-Icbscg China Bond ETF	24/11/2020	199	Fixed Income	Nikko Asset Management Asia
IE00BNGFMX61	Fidelity Sustainable Research Enhanced Japan Equity UCITS ETF	04/12/2020	184	Equity	Fidelity Investments
IE00BMYHQM42	SPDR Bloomberg Barclays Euro Govt Bond UCITS ETF	20/11/2020	169	Fixed Income	State Street
US47103U8457	Janus Henderson AAA CLO ETF	16/10/2020	121	Fixed Income	Janus
US5007676118	KraneShares CICC China 5G and Technology Leaders Index ETF	24/11/2020	119	Equity	KraneShares
IE00BLF7VW10	SPDR Bloomberg Sasb Euro Corporate ESG UCITS ETF	16/10/2020	106	Fixed Income	State Street
US25434V2034	Dimensional International Core Equity Market ETF	17/11/2020	104	Equity	Dimensional ETFs
US92790A5048	Virtus Terranova U.S. Quality Momentum ETF	17/11/2020	91	Equity	ETFis Series Trust I
US89628W5004	TrimTabs Donoghue Forlines Risk Managed Innovation ETF	07/12/2020	89	Equity	TrimTabs Asset Management
US90214Q6917	Two Roads Shared Trust Leadershares AlphaFactor Tactical Focused	29/10/2020	81	Equity	Regents Park Funds
US89628W6093	TrimTabs Donoghue Forlines Tactical High Yield -ETF	07/12/2020	77	Equity	TrimTabs Asset Management
LU2196470426	X-Trackers Nikkei 225 1C JPY UCITS ETF	21/10/2020	76	Equity	DWS
US33740F6640	First Trust Cboe Vest U.S. Equity Buffer ETF	16/10/2020	60	Equity	First Trust
US25434V3024	Dimensional Emerging Core Equity Market ETF	01/12/2020	59	Equity	Dimensional ETFs
US37954Y2283	Global X Funds CleanTech	27/10/2020	58	Equity	Mirae Asset Global Investments
HK0000656931	Haitong MSCI China A ESG USD ETF	15/10/2020	55	Fixed Income	Haitong Asset Management

New Launches (cont'd)

ISIN	Name	Launch Date	AUM in \$m	Asset Class	Issuer
KR7372330001	Korean Samsung Kodex China Hang Seng Tech ETF	09/12/2020	49	Equity	Samsung Asset Management
US90214Q7170	Two Roads Shared Trust Leadershares Activist Leaders ETF	29/10/2020	49	Equity	Regents Park Funds
US33740F6723	First Trust Cboe Vest U.S. Equity Deep Buffer ETF	16/10/2020	39	Equity	First Trust
LU2153616326	Amundi MSCI USA ESG Leaders Select UCITS ETF	23/10/2020	35	Equity	Amundi
KR7371160003	Mirae Asset Tiger China Hang Seng Tech ETF	28/12/2020	34	Equity	Mirae Asset MAPS Global Investments
US25460G7328	Direxion Moonshot Innovators ETF	10/11/2020	32	Equity	Direxion Funds
IE00BMWKN31	HSBC Hang Seng Tech UCITS ETF	11/11/2020	31	Equity	HSBC Asset Management
US46436E5362	iShares U.S. Small Cap Value Factor ETF	27/10/2020	31	Equity	BlackRock
IE00BMDWYZ92	Jpm Carbon Transition Global Eq UCITS USD Acc ETF	13/11/2020	28	Equity	JPMorgan Chase & Co.
US74347G7960	ProShares MSCI Transformational Changes ETF	14/10/2020	27	Equity	ProShares
US78468R6146	SPDR Bloomberg SASB Corporate Bond ESG Select ETF	10/11/2020	27	Fixed Income	State Street
US5007676522	Kraneshares KFA MLM Index ETF	02/12/2020	26	Alternative	KraneShares
HK0000656956	Samsung S&P High Dividend Apac Ex-Nz Reits HKD ETF	15/10/2020	26	Equity	Samsung Asset Management
IE00BKP52691	Tabula Itraxx Ig Bond UCITS EUR ETF	15/12/2020	26	Fixed Income	Tabula
US0250725621	Avantis Core Fixed Income ETF	13/10/2020	25	Fixed Income	American Century ETF Trust
US33740U5056	First Trust Cboe Vest U.S. Equity Buffer December ETF	18/12/2020	24	Equity	First Trust
US2913616080	Emles Real Estate Credit ETF	15/10/2020	24	Fixed Income	EMLES
US19423L6728	Collaborative Investment Series SPAC & New Issue ETF	17/12/2020	24	Equity	Collaborative Investment Series Trust
US66538H3690	Inspire Faithward Mid Cap Momentum ESG ETF	08/12/2020	24	Equity	Northern Lights
IE00BLF7VX27	SPDR) Bloomberg Sasb US Corporate ESG UCITS ETF	23/10/2020	24	Fixed Income	State Street

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