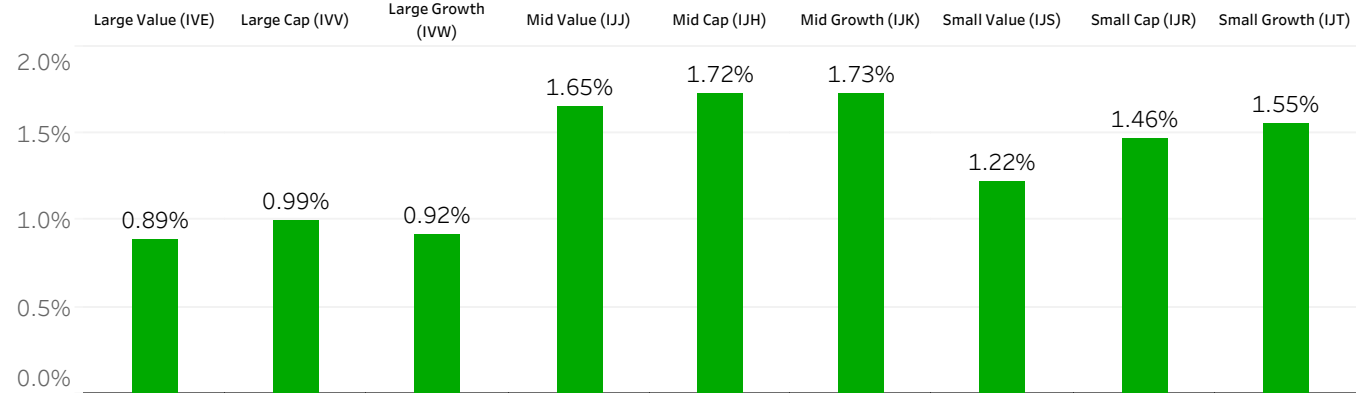


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
QMOM	Momentumshares US Quantitative Momentum ETF	2.49%
GLRY	Inspire Faithward Mid Cap Momentum ETF	2.11%
XSMO	Invesco S&P SmallCap Momentum ETF	2.07%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	2.03%
XMMO	Invesco S&P MidCap Momentum ETF	2.02%
LSAF	LeaderShares AlphaFactor US Core Equity ETF	2.02%
XJH	iShares ESG Screened S&P Mid-Cap ETF	2.01%
JPSE	JPMorgan Diversified Return U.S. Small Cap Equity ETF	1.98%
DVY	iShares Select Dividend ETF	1.95%
RDVY	First Trust Rising Dividend Achievers ETF	1.95%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	62.32
QQQ	Invesco QQQ Trust	60.00
PTNQ	Pacer Trendpilot 100 ETF	59.88
QQQM	Invesco NASDAQ 100 ETF	59.85
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	59.51
MGK	Vanguard Mega Cap Growth ETF	58.89
IWY	iShares Russell Top 200 Growth ETF	58.58
TMFC	Motley Fool 100 Index ETF	57.40
SPUS	SP Funds S&P 500 Sharia Industry Exclusions ETF	57.10
SCHG	Schwab U.S. Large-Cap Growth ETF	57.08

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
BKMC	BNY Mellon US Mid Cap Core Equity ETF	-0.66%
IPO	Renaissance IPO ETF	-0.15%
LCG	Sterling Capital Focus Equity ETF	-0.11%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.03%
EWSC	Invesco S&P Smallcap 600 Equal Weight ETF	0.05%
ONOF	Global X Adaptive U.S. Risk Management ETF	0.08%
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	0.10%
PTNQ	Pacer Trendpilot 100 ETF	0.11%
MGK	Vanguard Mega Cap Growth ETF	0.16%
IWC	iShares Micro-Cap ETF	0.21%

Size & Style Most Oversold

Ticker	Fund	Price
DIV	Global X SuperDividend US ETF	24.05
RDIV	Invesco S&P Ultra Dividend Revenue ETF	24.05
RPV	Invesco S&P 500 Pure Value ETF	24.06
SPVU	Invesco S&P 500 Enhanced Value ETF	26.68
IWC	iShares Micro-Cap ETF	27.73
RZV	Invesco S&P Smallcap 600 Pure Value ETF	28.40
FDM	First Trust Dow Jones Select MicroCap Index Fund	29.01
NUMV	Nuveen ESG Mid-Cap Value ETF	29.12
RFV	Invesco S&P Midcap 400 Pure Value ETF	29.27
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	29.54

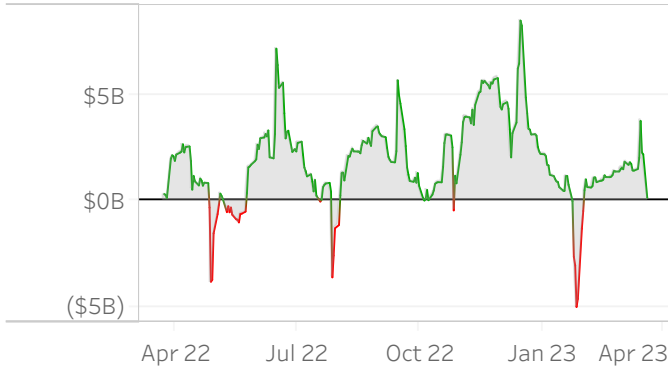
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta, Beta	25	\$1,221B	\$4.17B	(\$17.19B)	\$5.91B	\$30.74B
Large Cap, Beta, Beta: Growth	10	\$233B	\$1.75B	\$0.89B	\$10.64B	\$21.83B
Large Cap, Beta, Beta: Value	11	\$215B	\$0.09B	\$0.88B	\$2.39B	\$6.83B
Mid Cap, Beta, Beta	10	\$178B	\$0.90B	\$2.90B	\$7.75B	\$11.96B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.23B	(\$0.57B)	(\$0.09B)	\$0.57B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.08B)	\$0.25B	\$1.15B	\$0.94B
Small Cap, Beta, Beta	13	\$186B	\$0.24B	\$1.17B	\$6.16B	\$0.15B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.24B	(\$0.18B)	\$0.83B	\$0.82B
Small Cap, Beta, Beta: Value	7	\$49B	\$0.13B	\$0.89B	\$2.12B	(\$1.66B)

U.S. Size & Style Flow Leaders

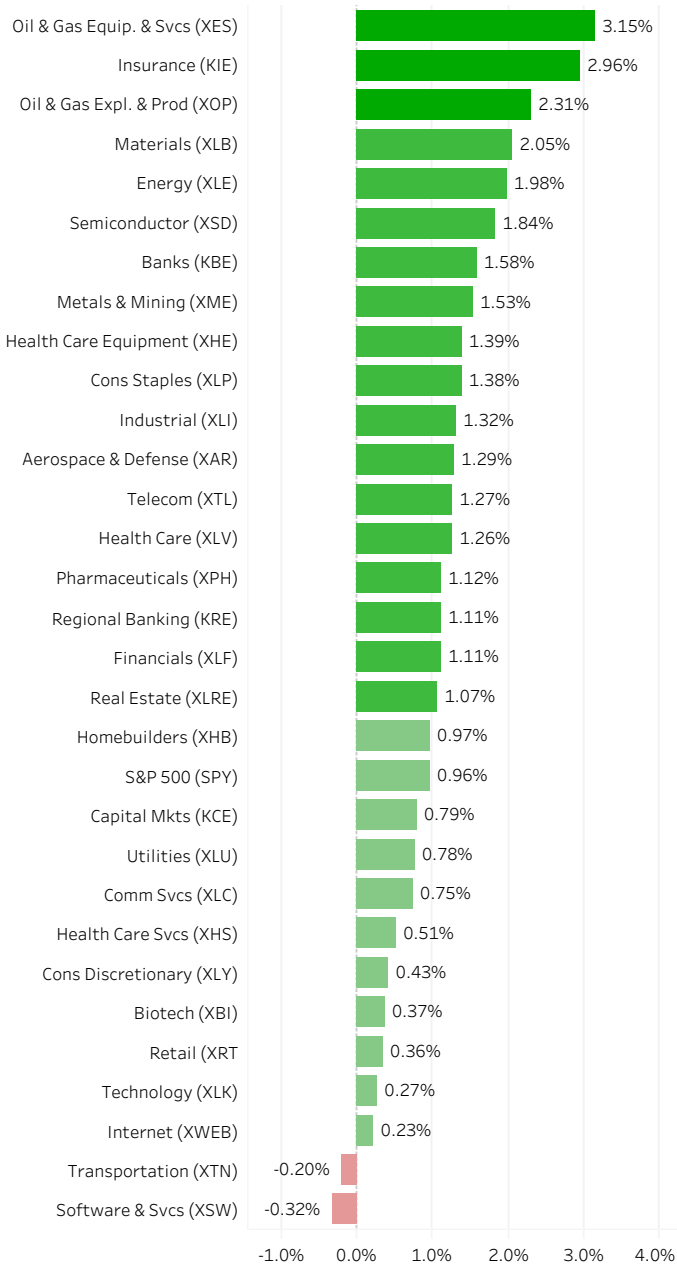
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$7.64B	(\$12.45B)	\$0.63B	(\$5.03B)	\$360.85B
QUAL	iShares MSCI USA Quality Factor ETF	\$4.94B	\$4.90B	\$4.26B	\$3.13B	\$23.20B
VYM	Vanguard High Dividend Yield Index ETF	\$2.60B	\$2.77B	\$4.14B	\$9.27B	\$50.28B
VIG	Vanguard Dividend Appreciation ETF	\$2.53B	\$1.49B	\$2.98B	\$3.32B	\$65.86B
VTI	Vanguard Total Stock Market ETF	\$1.17B	\$5.87B	\$13.09B	\$22.04B	\$274.93B
VO	Vanguard Mid-Cap ETF	\$0.84B	\$1.43B	\$2.36B	\$3.61B	\$51.40B
IWY	iShares Russell Top 200 Growth ETF	\$0.61B	\$0.79B	\$0.91B	\$1.76B	\$5.61B
VTV	Vanguard Value ETF	\$0.60B	\$5.04B	\$1.09B	\$6.09B	\$99.76B
VOO	Vanguard S&P 500 ETF	\$0.58B	\$3.31B	\$7.96B	\$20.63B	\$274.91B
VUG	Vanguard Growth ETF	\$0.57B	\$2.25B	\$4.16B	\$9.61B	\$78.46B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
ESGU	iShares ESG Aware MSCI USA ETF	(\$4.00B)	(\$5.07B)	(\$6.81B)	(\$6.04B)	\$14.98B
QQQ	Invesco QQQ Trust	(\$2.42B)	(\$3.36B)	(\$7.51B)	(\$0.53B)	\$162.16B
IVV	iShares Core S&P 500 ETF	(\$1.53B)	(\$6.01B)	(\$0.87B)	\$4.34B	\$292.79B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.95B)	(\$1.03B)	\$0.92B	\$0.24B	\$9.95B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.76B)	\$0.97B	\$2.65B	\$3.30B	\$33.19B
IVE	iShares S&P 500 Value ETF	(\$0.47B)	(\$0.90B)	(\$0.39B)	(\$0.06B)	\$23.67B
IJR	iShares Core S&P Small Cap ETF	(\$0.43B)	\$0.88B	\$1.74B	\$2.90B	\$64.55B
MDYV	SPDR S&P 400 Mid Cap Value ETF	(\$0.41B)	\$0.12B	\$0.54B	\$0.42B	\$2.39B
IWB	iShares Russell 1000 ETF	(\$0.32B)	(\$0.84B)	\$0.16B	\$0.66B	\$27.00B
VONV	Vanguard Russell 1000 Value ETF	(\$0.22B)	(\$0.22B)	\$0.36B	(\$0.38B)	\$6.32B

* ETF Landscape represented using the ETF Action classification system **Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

S&P Sector & Industry 1 Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
XLI	Industrial Select Sector SPDR Fund	-5.90%	17.76%	-3.58%	2.38%	39.85
XLP	Consumer Staples Select Sector SPDR Fund	-9.69%	9.41%	-0.36%	-0.30%	51.92
XLK	Technology Select Sector SPDR Fund	-11.11%	23.14%	4.48%	8.21%	61.25
XLV	Health Care Select Sector SPDR Fund	-11.11%	5.90%	-3.02%	-2.69%	44.52
SPY	SPDR S&P 500 ETF Trust	-13.80%	10.43%	-1.74%	0.41%	46.95
XLU	Utilities Select Sector SPDR Fund	-14.23%	8.91%	-1.34%	-3.99%	51.28
XLB	Materials Select Sector SPDR Fund	-15.26%	13.98%	-6.17%	-1.01%	38.18
XLE	Energy Select Sector SPDR Fund	-17.41%	15.13%	-10.16%	-5.68%	32.05
XLF	Financial Select Sector SPDR Fund	-18.45%	2.91%	-11.89%	-7.88%	27.12
XLC	Communication Services Select Sector SPDR Fund	-22.37%	21.71%	1.67%	4.90%	56.55
XLY	Consumer Discretionary Select Sector SPDR Fund	-25.28%	12.09%	-2.17%	-3.06%	45.27
XLRE	Real Estate Select Sector SPDR Fund	-28.14%	7.67%	-6.80%	-7.51%	36.39

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance (%)
PXJ	Invesco Dynamic Oil & Gas Services ETF	3.26%
IEZ	iShares U.S. Oil Equipment & Services ETF	3.23%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	3.15%
KIE	SPDR S&P Insurance ETF	2.96%
PXI	Invesco DWA Energy Momentum ETF	2.76%
PSCE	Invesco S&P SmallCap Energy ETF	2.75%
KBWP	Invesco KBW Property & Casualty Insurance ETF	2.75%
IAK	iShares U.S. Insurance ETF	2.68%
PXE	Invesco Dynamic Energy Exploration & Production ..	2.52%
FTXN	First Trust Nasdaq Oil & Gas ETF	2.40%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IYW	iShares U.S. Technology ETF	62.45
XLK	Technology Select Sector SPDR Fund	61.25
VGT	Vanguard Information Technology ETF	59.65
SOXX	iShares Semiconductor ETF	59.31
SOXQ	Invesco PHLX Semiconductor ETF	59.30
FTEC	Fidelity MSCI Information Technology Index ETF	58.82
IGM	iShares Expanded Tech Sector ETF	58.52
IETC	iShares U.S. Tech Independence Focused ETF	56.61
XLC	Communication Services Select Sector SPDR Fund	56.55
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	56.52

Sector & Industry 1 Day Performance Laggards

Ticker	Fund	1 Day Performance (%)
MLPA	Global X MLP ETF	-0.94%
AMPLP	Alerian MLP ETF	-0.51%
IYT	iShares US Transportation ETF	-0.33%
XSW	SPDR S&P Software & Services ETF	-0.32%
XTN	SPDR S&P Transportation ETF	-0.20%
PNQI	Invesco NASDAQ Internet ETF	-0.14%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-0.03%
XNTK	SPDR NYSE Technology ETF	-0.01%
FTXR	First Trust Nasdaq Transportation ETF	0.00%
FDN	First Trust Dow Jones Internet Index Fund	0.01%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KRE	SPDR S&P Regional Banking ETF	19.32
KBWB	Invesco KBW Bank ETF	19.49
IAT	iShares U.S. Regional Banks ETF	19.71
FTXO	First Trust Nasdaq Bank ETF	21.32
KBWY	Invesco KBW Premium Yield Equity REIT ETF	21.37
KBE	SPDR S&P Bank ETF	21.47
MORT	VanEck Mortgage REIT Income ETF	22.89
REM	iShares Mortgage Real Estate ETF	23.83
RYF	Invesco S&P 500 Equal Weight Financials ETF	24.29
KBWD	Invesco KBW High Dividend Yield Financial ETF	25.30

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$13B	(\$53M)	(\$360M)	(\$228M)	(\$1,060M)
Consumer Discretionary	12	\$21B	\$114M	(\$193M)	(\$641M)	(\$3,067M)
Consumer Staples	10	\$29B	\$79M	(\$521M)	\$802M	\$4,483M
Energy	32	\$69B	(\$912M)	(\$3,141M)	(\$2,057M)	(\$7,692M)
Financials	26	\$56B	\$2,750M	\$2,431M	\$2,739M	(\$12,018M)
Health Care	23	\$88B	\$118M	(\$3,736M)	(\$876M)	\$4,834M
Industrial	13	\$31B	(\$260M)	\$1,129M	\$1,629M	(\$1,130M)
Materials	9	\$14B	(\$157M)	\$719M	\$211M	(\$2,302M)
Multi-Sector	19	\$14B	\$148M	\$56M	(\$612M)	(\$3,243M)
Real Estate	25	\$56B	(\$62M)	(\$2,216M)	(\$2,701M)	(\$5,472M)
Technology	23	\$126B	\$1,148M	(\$973M)	\$1,693M	\$1,503M
Utilities	9	\$25B	\$314M	(\$353M)	(\$1,064M)	\$3,871M

U.S. Sector & Industry Flow Leaders

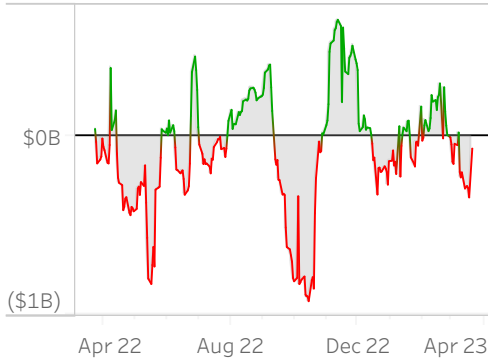
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
KRE	SPDR S&P Regional Banking ETF	\$1,839M	\$1,542M	\$1,523M	(\$333M)	\$4,069M
XLF	Financial Select Sector SPDR Fund	\$782M	\$263M	\$842M	(\$8,094M)	\$29,869M
VGT	Vanguard Information Technology ETF	\$478M	(\$227M)	\$26M	\$1,379M	\$45,094M
IYW	iShares U.S. Technology ETF	\$427M	\$468M	\$2,431M	\$1,929M	\$9,747M
XLU	Utilities Select Sector SPDR Fund	\$295M	(\$351M)	(\$746M)	\$2,693M	\$15,543M
KBE	SPDR S&P Bank ETF	\$207M	(\$13M)	(\$302M)	(\$911M)	\$1,449M
IYR	iShares U.S. Real Estate ETF	\$187M	(\$544M)	(\$351M)	(\$989M)	\$3,303M
IAT	iShares U.S. Regional Banks ETF	\$183M	\$158M	\$98M	(\$322M)	\$660M
XHB	SPDR S&P Homebuilders ETF	\$175M	\$119M	\$29M	(\$296M)	\$1,018M
IGV	iShares Expanded Tech-Software Sector ETF	\$168M	\$207M	\$861M	\$336M	\$5,077M

U.S. Sector & Industry Flow Laggards

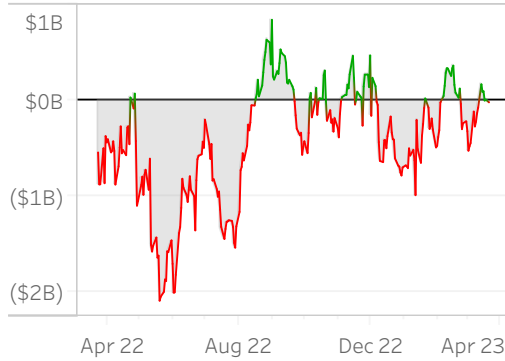
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$401M)	(\$48M)	\$50M	(\$2,480M)	\$35,985M
XLI	Industrial Select Sector SPDR Fund	(\$283M)	(\$74M)	(\$239M)	(\$1,725M)	\$13,412M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$271M)	(\$1,043M)	(\$538M)	(\$2,176M)	\$3,219M
VNQ	Vanguard Real Estate ETF	(\$206M)	(\$735M)	(\$1,539M)	(\$3,312M)	\$32,669M
XME	SPDR S&P Metals & Mining ETF	(\$115M)	\$187M	\$307M	(\$630M)	\$2,141M
VDE	Vanguard Energy ETF	(\$79M)	(\$59M)	(\$171M)	(\$1,043M)	\$7,357M
IYG	iShares US Financial Services ETF	(\$75M)	(\$141M)	(\$180M)	(\$841M)	\$1,153M
IYZ	iShares U.S. Telecommunications ETF	(\$74M)	(\$220M)	(\$131M)	(\$213M)	\$229M
IEZ	iShares U.S. Oil Equipment & Services ETF	(\$56M)	\$7M	\$130M	\$93M	\$286M
VFH	Vanguard Financials ETF	(\$35M)	(\$315M)	(\$563M)	(\$2,214M)	\$7,752M

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

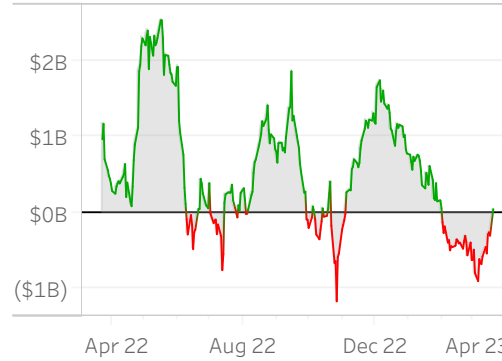
Communication Services



Consumer Discretionary



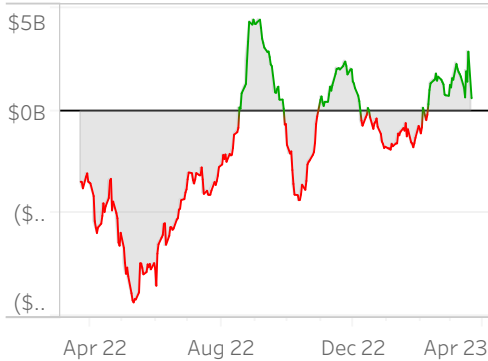
Consumer Staples



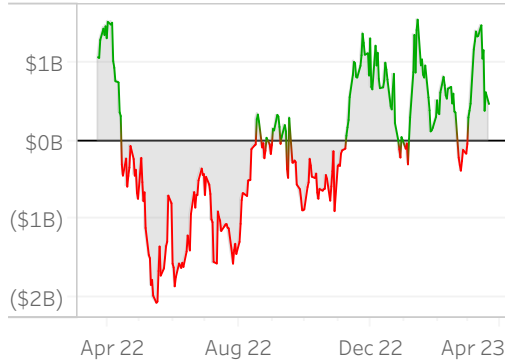
Energy



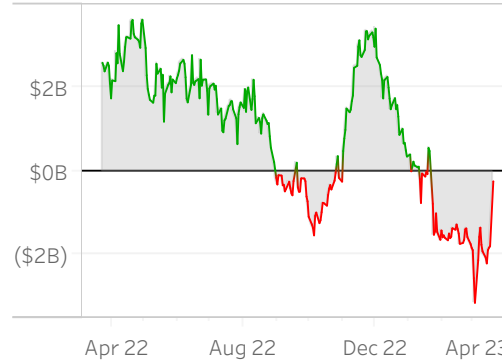
Financials



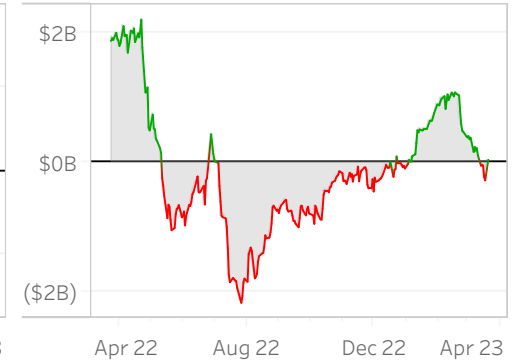
Industrial



Health Care



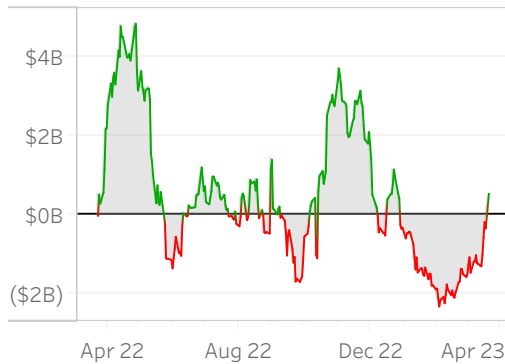
Materials



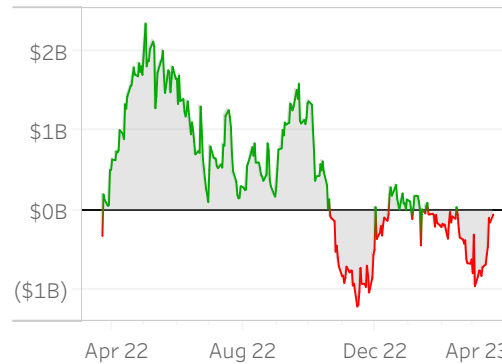
Real Estate



Technology



Utilities

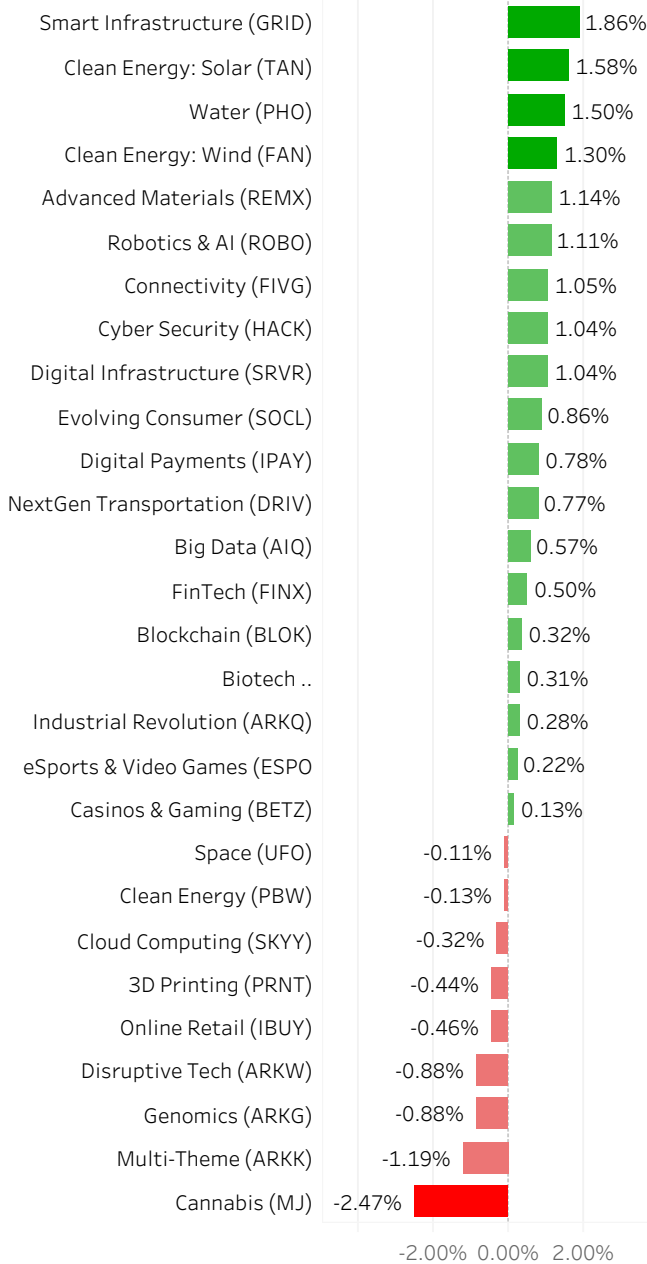


Multi-Sector

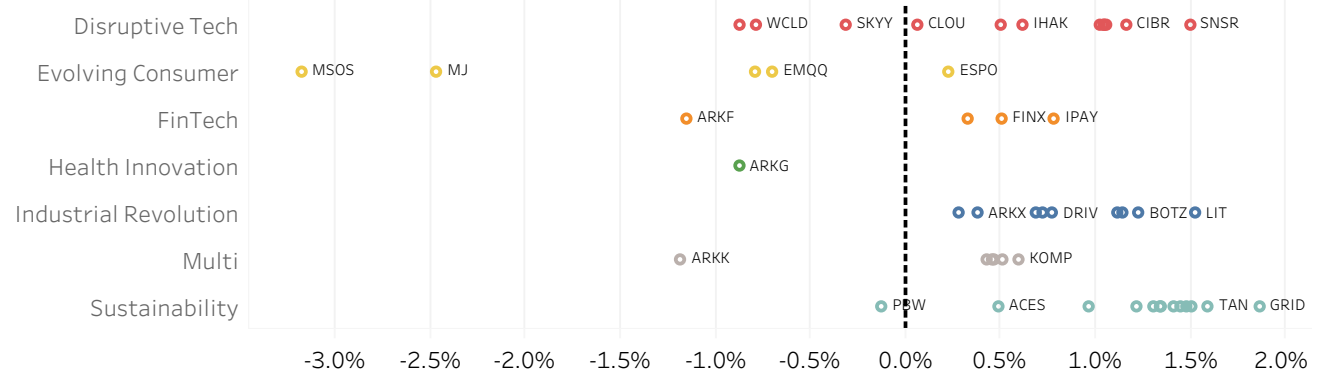


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure..	1.86%
TAN	Invesco Solar ETF	1.58%
SMOG	VanEck Low Carbon Energy ETF	1.57%
LIT	Global X Lithium & Battery Tech ETF	1.52%
PHO	Invesco Water Resources ETF	1.50%
SNSR	Global X Internet of Things ETF	1.50%
KLDW	Knowledge Leaders Developed World ETF	1.48%
SAMT	Strategas Macro Thematic Opportunities ETF	1.48%
ICLN	iShares Global Clean Energy ETF	1.47%
KGRN	KraneShares MSCI China Clean Technology Index ETF	1.45%

Thematic Most Overbought

Ticker	Fund	Price
ESPO	VanEck Video Gaming and eSports ETF	59.49
METV	Roundhill Ball Metaverse ETF	59.06
BKCH	Global X Blockchain ETF	58.26
TIME	Clockwise Capital Innovation ETF	57.51
TECB	iShares U.S. Tech Breakthrough Multisector ETF	57.17
NXTG	First Trust Indxx NextG ETF	56.75
BLOK	Amplify Transformational Data Sharing ETF	56.14
BITQ	Bitwise Crypto Industry Innovators ETF	55.66
BOTZ	Global X Robotics & Artificial Intelligence ETF	54.59
AIQ	Global X Artificial Intelligence & Technology ETF	54.57

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-3.18%
MJUS	ETFMG U.S. Alternative Harvest ETF	-3.03%
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	-2.47%
ARKK	ARK Innovation ETF	-1.19%
ARKF	ARK Fintech Innovation ETF	-1.16%
ONLN	ProShares Online Retail ETF	-1.14%
BITQ	Bitwise Crypto Industry Innovators ETF	-0.91%
ARKG	ARK Genomic Revolution ETF	-0.88%
ARKW	ARK Next Generation Internet ETF	-0.88%
KWEB	KraneShares CSI China Internet ETF	-0.79%

Thematic Most Oversold

Ticker	Fund	Price
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	23.08
PBW	Invesco WilderHill Clean Energy ETF	27.45
ACES	ALPS Clean Energy ETF	29.60
MJUS	ETFMG U.S. Alternative Harvest ETF	29.69
UFO	Procore Space ETF	30.67
RNRG	Global X Renewable Energy Producers ETF	31.27
HAIL	SPDR S&P Kensho Smart Mobility ETF	31.95
REMX	VanEck Rare Earth/Strategic Metals ETF	31.96
PBD	Invesco Global Clean Energy ETF	32.01
AWAY	ETFMG Travel Tech ETF	32.52

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	\$308M
ROBO	ROBO Global Robotics & Automation Index ETF	\$21M
PBW	Invesco WilderHill Clean Energy ETF	\$8M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$6M
LEGR	First Trust Indxx Innovative Transaction & Process ETF	\$5M
ARKG	ARK Genomic Revolution ETF	\$4M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$4M
AIQ	Global X Artificial Intelligence & Technology ETF	\$4M
HJEN	Direxion Hydrogen ETF	\$3M
TIME	Clockwise Capital Innovation ETF	\$3M

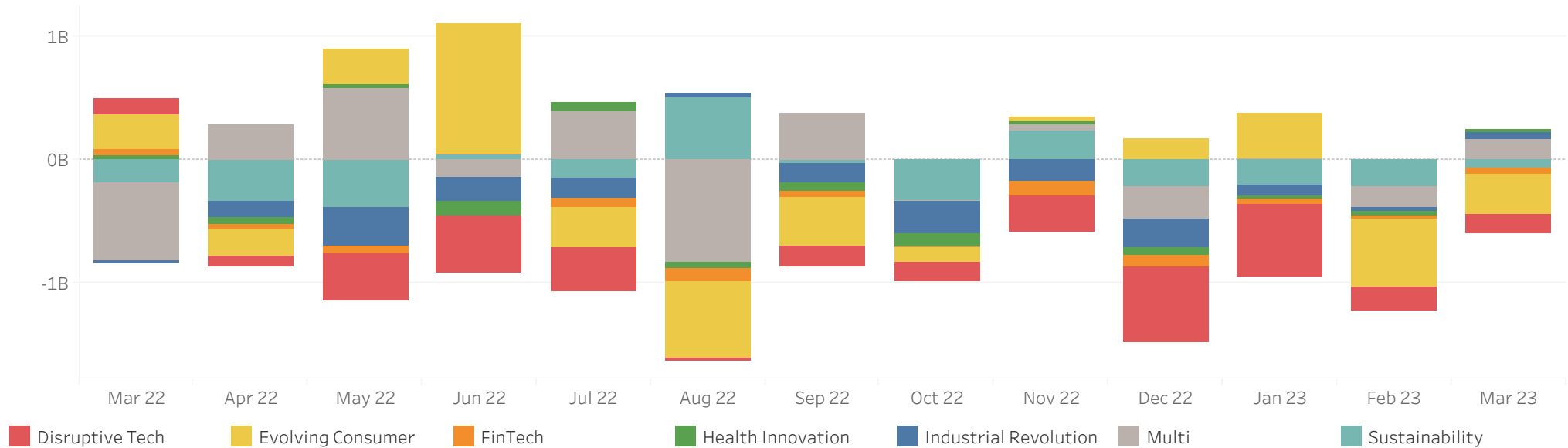
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$70M)
ARKF	ARK Fintech Innovation ETF	(\$22M)
ARKW	ARK Next Generation Internet ETF	(\$15M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$14M)
LIT	Global X Lithium & Battery Tech ETF	(\$14M)
VPN	Global X Data Center REITs & Digital Infrastructure ETF	(\$14M)
XT	iShares Exponential Technologies ETF	(\$13M)
SKYY	First Trust Cloud Computing ETF	(\$12M)
ICLN	iShares Global Clean Energy ETF	(\$8M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$7M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$15B	(\$35M)	(\$1,109M)	(\$2,003M)	(\$3,322M)
Evolving Consumer	45	\$9B	(\$65M)	(\$579M)	(\$706M)	(\$376M)
FinTech	19	\$2B	(\$20M)	(\$151M)	(\$356M)	(\$605M)
Health Innovation	19	\$3B	(\$9M)	(\$80M)	(\$221M)	(\$377M)
Industrial Revolution	31	\$10B	\$11M	(\$149M)	(\$789M)	(\$1,667M)
Multi	41	\$14B	(\$108M)	(\$128M)	\$52M	(\$163M)
Sustainability	40	\$17B	(\$12M)	(\$624M)	(\$900M)	(\$1,304M)
Grand Total	229	\$70B	(\$239M)	(\$2,821M)	(\$4,924M)	(\$7,814M)

Thematic Monthly Flows

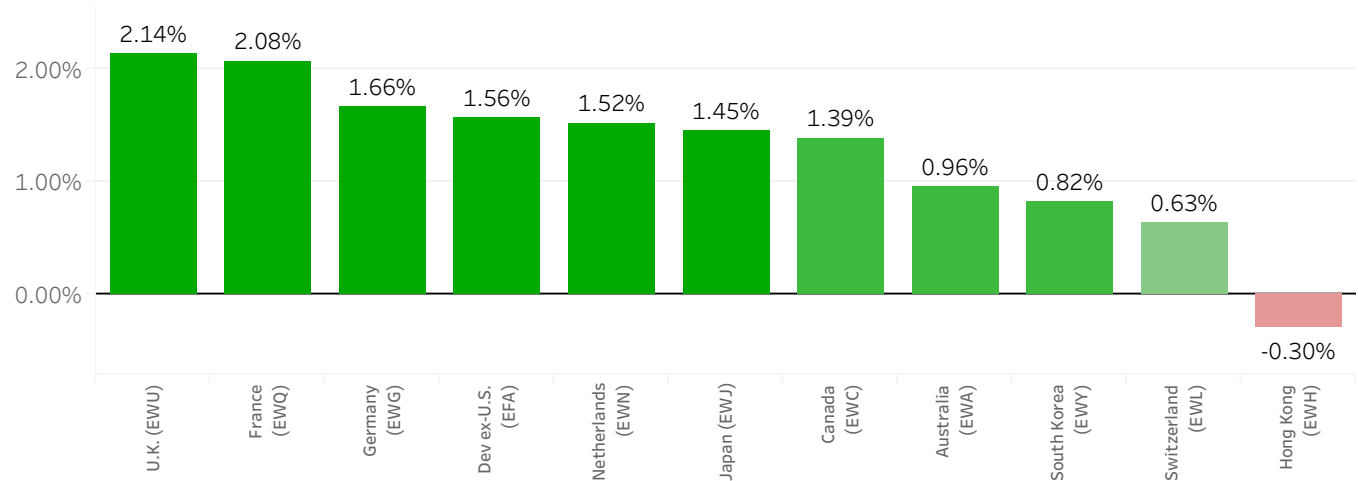


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



Developed ex-U.S. 1-Day Performance Top 10 Countries



Developed ex-U.S. 30-Day Rolling Flows



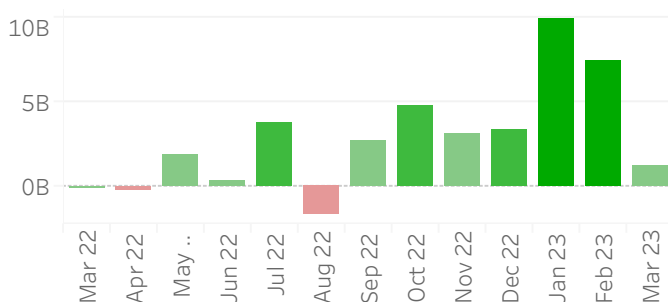
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
EWD	iShares MSCI Sweden ETF	3.21%
EIRL	iShares MSCI Ireland ETF	2.29%
EWI	iShares MSCI Italy ETF	2.28%
EWU	iShares MSCI United Kingdom ETF	2.14%
FLGB	Franklin FTSE United Kingdom ETF	2.10%
DAX	Global X DAX Germany ETF	2.10%
EWP	iShares MSCI Spain ETF	2.09%
EWQ	iShares MSCI France ETF	2.08%
FDD	First Trust Stoxx European Select Dividend Index Fund	2.05%
FEZ	SPDR EURO STOXX 50 ETF	1.98%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EFAV	iShares MSCI EAFE Min Vol Factor ETF	51.94
EIRL	iShares MSCI Ireland ETF	51.67
IQDG	WisdomTree International Quality Dividend Growth Fund	51.43
EFG	iShares MSCI EAFE Growth ETF	51.17
FLJP	Franklin FTSE Japan ETF	50.11
JPNX	iShares JPX-Nikkei 400 ETF	49.86
EFAD	ProShares MSCI EAFE Dividend Growers ETF	49.72
EUDG	WisdomTree Europe Quality Dividend Growth Fund	49.71
EWJ	iShares MSCI Japan ETF	49.58
BKCI	BNY Mellon Concentrated International ETF	49.49

Developed ex-U.S. Monthly Flows



Developed ex-U.S. 1-Day Performance Laggards

Ticker	Fund	Performance
MINV	Matthews Asia Innovators Active ETF	-1.03%
ENZL	iShares MSCI New Zealand ETF	-0.76%
EWH	iShares MSCI Hong Kong ETF	-0.30%
AIA	iShares Asia 50 ETF	0.17%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.20%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	0.42%
EWS	iShares MSCI Singapore ETF	0.43%
ISRA	VanEck Israel ETF	0.47%
SCJ	iShares MSCI Japan Small-Cap ETF	0.51%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.58%

Developed ex-U.S. Most Oversold

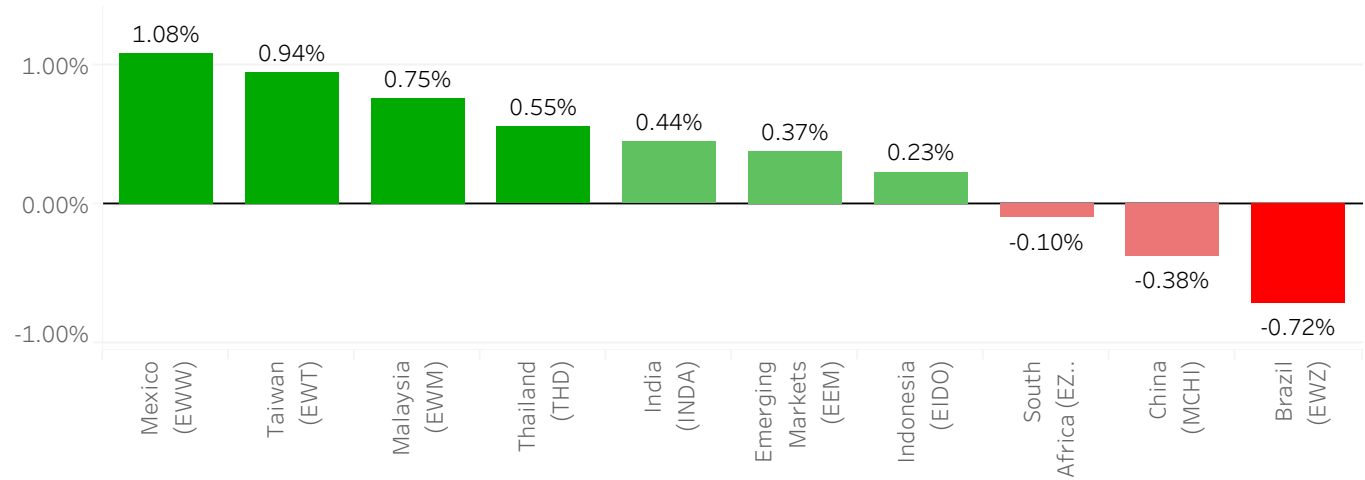
Ticker	Fund	Value
NORW	Global X MSCI Norway ETF	33.61
FIDI	Fidelity International High Dividend ETF	33.74
EWH	iShares MSCI Hong Kong ETF	33.92
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	35.11
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	35.27
PXF	Invesco FTSE RAFI Developed Markets ex-U.S. ETF	36.22
IVAL	Alpha Architect International Quantitative Value ETF	36.35
ISRA	VanEck Israel ETF	36.38
FLCA	Franklin FTSE Canada ETF	36.45
FYLD	Cambria Foreign Shareholder Yield ETF	36.89

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Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



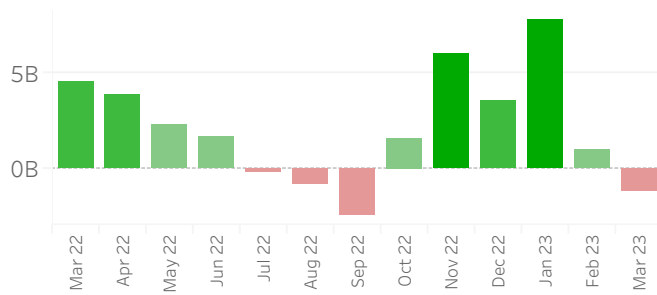
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
KSA	iShares MSCI Saudi Arabia ETF	2.83%
EPHE	iShares MSCI Philippines ETF	1.87%
PIE	Invesco DWA Emerging Markets Momentum ETF	1.24%
EPU	iShares MSCI Peru ETF	1.19%
EWW	iShares MSCI Mexico ETF	1.08%
EWT	iShares MSCI Taiwan ETF	0.94%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	0.91%
EPOL	iShares MSCI Poland ETF	0.90%
RAYC	Rayliant Quantamental China Equity ETF	0.83%
FLTW	Franklin FTSE Taiwan ETF	0.78%

Emerging Most Overbought

Ticker	Fund	Value
FLTW	Franklin FTSE Taiwan ETF	51.37
EDIV	SPDR S&P Emerging Markets Dividend ETF	49.47
EWT	iShares MSCI Taiwan ETF	49.04
KSA	iShares MSCI Saudi Arabia ETF	48.97
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	47.09
EPHE	iShares MSCI Philippines ETF	46.29
TUR	iShares MSCI Turkey ETF	44.40
DEM	WisdomTree Emerging Markets High Dividend Fund	43.97
XCEM	Columbia EM Core ex-China ETF	43.31
EPU	iShares MSCI Peru ETF	43.05

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	-3.00%
ECNS	iShares MSCI China Small-Cap ETF	-2.23%
EWZS	iShares MSCI Brazil Small-Cap ETF	-1.92%
PGJ	Invesco Golden Dragon China ETF	-1.13%
FLBR	Franklin FTSE Brazil ETF	-0.86%
EWZ	iShares MSCI Brazil ETF	-0.72%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-0.70%
QAT	iShares MSCI Qatar ETF	-0.57%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	-0.53%
DVYE	iShares Emerging Markets Dividend ETF	-0.50%

Emerging Most Oversold

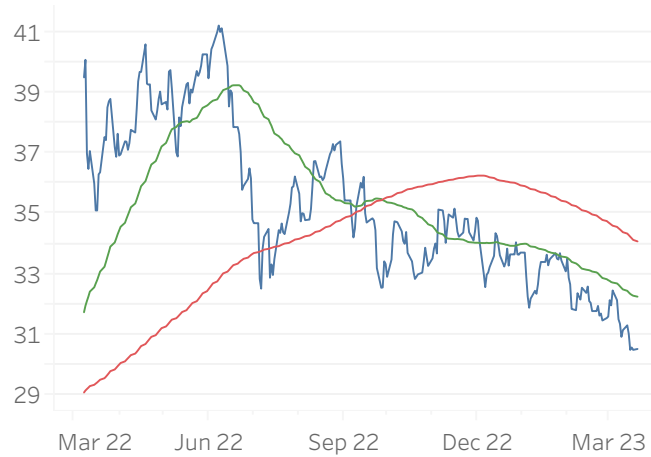
Ticker	Fund	Value
ECNS	iShares MSCI China Small-Cap ETF	25.69
KWT	iShares MSCI Kuwait ETF	31.10
FM	iShares MSCI Frontier and Select EM ETF	31.54
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	31.70
EZA	iShares MSCI South Africa ETF	32.18
EELV	Invesco S&P Emerging Markets Low Volatility ETF	32.45
QAT	iShares MSCI Qatar ETF	33.16
EPOL	iShares MSCI Poland ETF	33.32
BKF	iShares MSCI BIC ETF	33.58
DVYE	iShares Emerging Markets Dividend ETF	33.94

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Fixed Income (AGG)



Commodities (DJP)



Currencies (UUP)



■ 200 Day Moving Average
 ■ 50 Day Moving Average
 ■ Closing Price

Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.40%	1.37%	2.67%
SHY	1-3 Year Treasury Bonds	-0.12%	1.42%	1.62%
IEF	7-10 Year Treasury Bonds	-0.40%	2.75%	3.65%
TLT	20+ Year Treasury Bonds	-0.88%	3.71%	6.91%
TIP	TIPS Bonds	0.09%	1.18%	2.14%
FLOT	Floating Rate Bonds	0.10%	-1.20%	0.05%
LQD	Investment Grade Corporate	-0.30%	0.95%	2.80%
HYG	High Yield Corporate	-0.27%	-1.27%	0.46%
BKLN	Senior Loan	0.23%	-1.82%	1.39%
PFF	Preferred & Income Securities	-1.06%	-8.71%	-1.08%
MUB	Municipal Bonds	-0.29%	1.12%	1.69%
MBB	MBS	-0.83%	0.75%	2.20%
EMB	Dollar Denominated EM Bonds	0.01%	-0.92%	0.35%
LEMB	Local Currency EM Bond	0.13%	-0.65%	1.27%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.10%	-3.93%	-9.43%
DBE	Energy	0.80%	-7.42%	-14.32%
USO	WTI Crude Oil	1.93%	-10.79%	-14.72%
BNO	Brent Crude Oil	1.79%	-10.46%	-13.40%
UNG	Natural Gas	-4.36%	-3.87%	-47.09%
UGA	Gasoline	1.65%	-3.13%	-5.88%
DBP	Precious Metals	0.24%	6.42%	5.00%
GLD	Gold	0.04%	7.35%	8.37%
SLV	Silver	0.29%	3.40%	-6.04%
PPLT	abrdrn Physical Platin..	1.43%	7.35%	-7.96%
PALL	abrdrn Physical Palla..	0.50%	-6.12%	-21.13%
DBB	Base Metals	0.41%	-4.87%	0.36%
CPER	Copper	1.77%	-3.55%	4.68%
LD	Lead	0.76%	9.44%	-8.51%
JJN	Nickel	-3.04%	-12.39%	-23.92%
JJU	Aluminum	0.20%	-5.26%	-5.58%
JJT	Tin	1.61%	-11.18%	-8.40%
DBA	Agriculture	-0.05%	-3.22%	-1.64%
CORN	Corn	-0.08%	-7.09%	-8.10%
SOYB	Soybeans	0.07%	-4.28%	-4.95%
WEAT	Wheat	-1.54%	-9.51%	-11.78%
CANE	Sugar	-1.03%	2.78%	10.49%
BAL	Cotton	-0.50%	-5.11%	-7.08%
NIB	Cocoa	1.88%	1.02%	8.03%
JO	Coffee	0.81%	-3.88%	7.54%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.57%	-0.18%	0.83%
UDN	Short Dollar	0.65%	0.87%	0.76%
FXE	Euro	0.59%	0.36%	0.33%
FXB	British Pound Sterling	0.99%	2.15%	2.22%
FXF	Swiss Franc	-0.38%	-0.49%	-0.63%
FXJ	Japanese Yen	0.34%	2.06%	-0.31%
FXC	Canadian Dollar	0.60%	-1.13%	-0.52%
FXA	Australian Dollar	0.47%	-2.31%	-1.15%

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