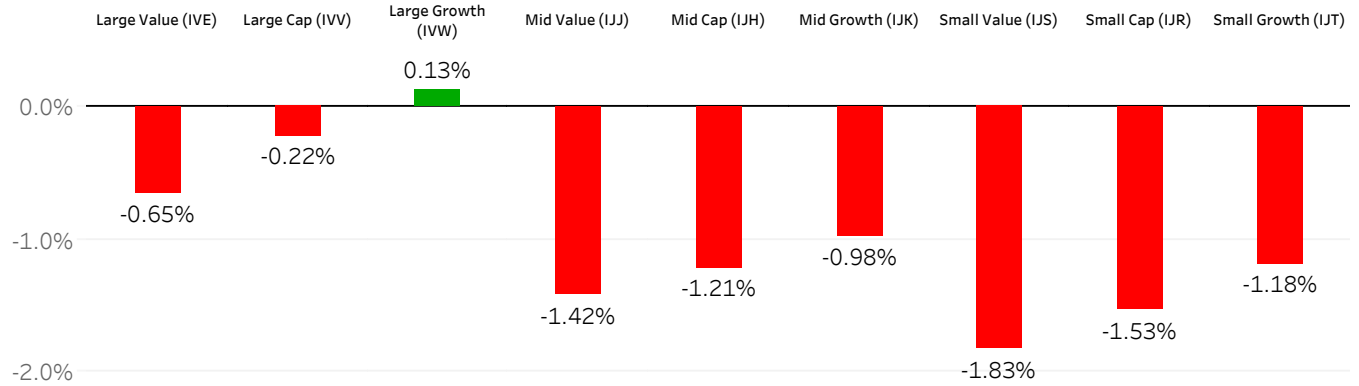


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
HLAL	Wahed FTSE USA Shariah ETF	0.25%
IWY	iShares Russell Top 200 Growth ETF	0.24%
MGK	Vanguard Mega Cap Growth ETF	0.22%
PWB	Invesco Large Cap Growth ETF	0.15%
SPYG	SPDR Portfolio S&P 500 Growth ETF	0.14%
DYNF	BlackRock U.S. Equity Factor Rotation ETF	0.14%
VOOG	Vanguard S&P 500 Growth ETF	0.13%
IVW	iShares S&P 500 Growth ETF	0.13%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	0.11%
IUSG	iShares Core S&P U.S. Growth ETF	0.10%

Size & Style Most Overbought

Ticker	Fund	Value
LSAT	Leadershares Alphafactor Tactical Focused ETF	78.61
COWZ	Pacer US Cash Cows 100 ETF	74.03
HDV	iShares Core High Dividend ETF	72.42
PKW	Invesco Buyback Achievers ETF	70.99
MBOX	Freedom Day Dividend ETF	70.73
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	70.40
PWV	Invesco Large Cap Value ETF	70.11
IWX	iShares Russell Top 200 Value ETF	70.06
XMHQ	Invesco S&P MidCap Quality ETF	69.56
BMVP	Invesco Bloomberg MVP Multi-factor ETF	69.36

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	-2.61%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	-2.36%
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	-2.23%
IWC	iShares Micro-Cap ETF	-2.22%
TMFS	Motley Fool Small-Cap Growth ETF	-2.10%
BUZZ	VanEck Social Sentiment ETF	-2.08%
AVSC	Avantis U.S. Small Cap Equity ETF	-2.01%
SVAL	iShares US Small Cap Value Factor ETF	-2.01%
FYT	First Trust Small Cap Value AlphaDEX Fund	-1.94%
VTWV	Vanguard Russell 2000 Value ETF	-1.92%

Size & Style Most Oversold

Ticker	Fund	Value
FYT	First Trust Small Cap Value AlphaDEX Fund	40.93
SVAL	iShares US Small Cap Value Factor ETF	40.95
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	41.84
SMDV	ProShares Russell 2000 Dividend Growers ETF	42.02
FYX	First Trust Small Cap Core AlphaDEX Fund	42.04
SIXS	ETC 6 Meridian Small Cap Equity ETF	42.56
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	43.39
IJS	iShares S&P Small-Cap 600 Value ETF	43.43
RZV	Invesco S&P Smallcap 600 Pure Value ETF	43.48
XJR	iShares ESG Screened S&P Small-Cap ETF	43.50

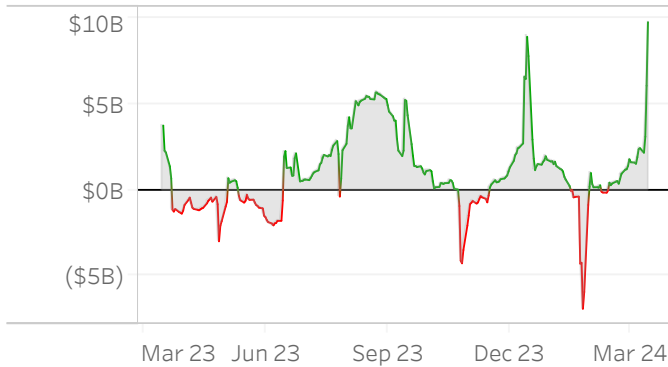
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

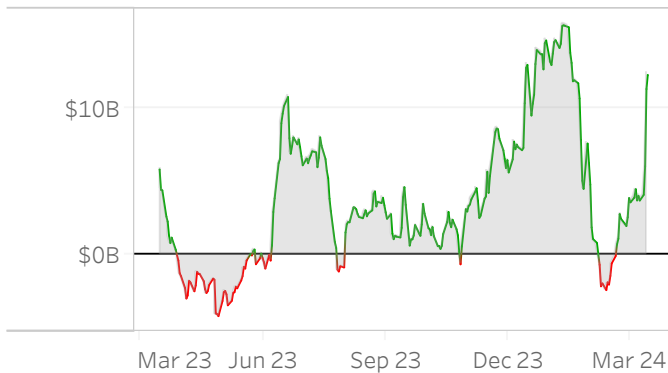
Large-Cap 30-Day Rolling Flows



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	26	\$1,854B	\$10.94B	\$64.85B	\$135.55B	\$209.54B
Large Cap, Beta, Beta: Growth	10	\$358B	\$1.62B	\$2.78B	\$15.44B	\$23.10B
Large Cap, Beta, Beta: Value	11	\$260B	\$1.43B	(\$9.58B)	\$8.83B	\$1.24B
Mid Cap, Beta, Beta	10	\$230B	\$4.71B	\$3.48B	\$4.51B	\$11.02B
Mid Cap, Beta, Beta: Growth	6	\$45B	\$1.25B	\$1.60B	\$2.47B	\$3.13B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.80B	(\$2.89B)	(\$1.25B)	(\$3.74B)
Small Cap, Beta, Beta	11	\$239B	\$4.33B	\$7.96B	\$15.65B	\$19.65B
Small Cap, Beta, Beta: Growth	7	\$41B	\$0.80B	\$1.78B	\$2.79B	\$3.11B
Small Cap, Beta, Beta: Value	7	\$55B	\$0.89B	(\$1.34B)	\$0.45B	(\$2.12B)

U.S. Size & Style Flow Leaders

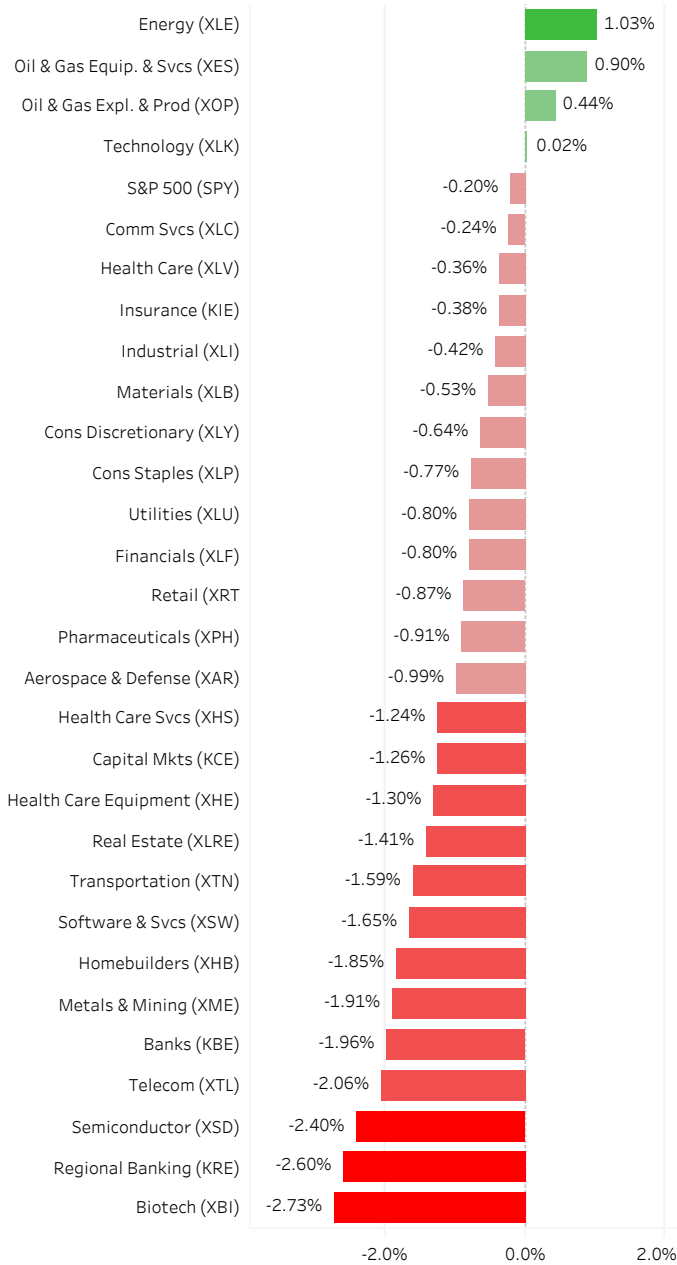
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SCHD	Schwab US Dividend Equity ETF	\$10.06B	\$10.67B	\$11.62B	\$14.51B	\$64.84B
IVV	iShares Core S&P 500 ETF	\$5.14B	\$23.30B	\$43.59B	\$63.49B	\$458.42B
VOO	Vanguard S&P 500 ETF	\$4.63B	\$24.05B	\$37.20B	\$64.00B	\$429.78B
VYM	Vanguard High Dividend Yield Index ETF	\$3.32B	\$3.04B	\$2.27B	\$2.47B	\$56.96B
VTI	Vanguard Total Stock Market ETF	\$3.06B	\$9.97B	\$15.27B	\$24.64B	\$384.70B
RDVY	First Trust Rising Dividend Achievers ETF	\$2.88B	\$3.30B	\$3.48B	\$3.38B	\$12.96B
VB	Vanguard Small-Cap ETF	\$2.85B	\$4.38B	\$5.18B	\$5.40B	\$57.65B
IJH	iShares Core S&P Mid-Cap ETF	\$2.55B	\$1.69B	\$1.46B	\$6.18B	\$85.21B
MOAT	VanEck Morningstar Wide Moat ETF	\$1.93B	\$2.18B	\$2.34B	\$7.04B	\$16.65B
VUG	Vanguard Growth ETF	\$1.83B	\$1.67B	\$5.26B	\$5.95B	\$119.06B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWY	iShares Russell Top 200 Growth ETF	(\$0.64B)	\$0.71B	\$1.69B	\$2.19B	\$10.04B
IWF	iShares Russell 1000 Growth ETF	(\$0.25B)	(\$0.94B)	\$2.35B	\$2.01B	\$88.52B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.22B)	\$0.04B	(\$0.75B)	(\$3.85B)	\$10.06B
QQQM	Invesco NASDAQ 100 ETF	(\$0.16B)	\$2.84B	\$4.65B	\$9.56B	\$22.38B
IWB	iShares Russell 1000 ETF	(\$0.10B)	(\$0.32B)	(\$0.68B)	(\$1.00B)	\$34.80B
IMCG	iShares Morningstar Mid-Cap Growth ETF	(\$0.09B)	\$0.11B	\$0.16B	\$0.31B	\$2.04B
FDLO	Fidelity Low Volatility Factor ETF	(\$0.09B)	(\$0.17B)	\$0.32B	\$0.38B	\$0.99B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.08B)	(\$3.53B)	(\$6.25B)	(\$7.20B)	\$24.92B
FVD	First Trust Value Line Dividend Index Fund	(\$0.07B)	(\$0.90B)	(\$1.81B)	(\$2.40B)	\$10.26B
IWO	iShares Russell 2000 Growth ETF	(\$0.07B)	(\$0.03B)	\$0.44B	\$0.38B	\$11.50B

* 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)
XLC	Communication Services Select Sector SPDR Fund	-0.24%	42.69%	3.32%	14.36%	58.39
SPY	SPDR S&P 500 ETF Trust	-0.35%	28.30%	4.03%	12.52%	63.92
XLI	Industrial Select Sector SPDR Fund	-0.45%	26.52%	4.63%	12.22%	64.83
XLB	Materials Select Sector SPDR Fund	-0.53%	21.89%	6.88%	10.51%	71.78
XLF	Financial Select Sector SPDR Fund	-0.80%	29.83%	4.25%	14.48%	67.26
XLK	Technology Select Sector SPDR Fund	-1.06%	45.02%	3.43%	14.95%	55.94
XLV	Health Care Select Sector SPDR Fund	-1.30%	18.52%	1.89%	8.47%	54.61
XLE	Energy Select Sector SPDR Fund	-2.22%	19.19%	7.97%	6.86%	75.97
XLP	Consumer Staples Select Sector SPDR Fund	-2.50%	14.10%	2.61%	4.82%	61.22
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.80%	25.29%	1.34%	5.77%	49.80
XLRE	Real Estate Select Sector SPDR Fund	-3.56%	21.34%	0.55%	5.00%	49.07
XLU	Utilities Select Sector SPDR Fund	-9.43%	12.78%	2.24%	0.76%	57.25

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PXJ	Invesco Oil & Gas Services ETF	1.19%
FENY	Fidelity MSCI Energy Index ETF	1.09%
XLE	Energy Select Sector SPDR Fund	1.03%
VDE	Vanguard Energy ETF	1.02%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	0.90%
IYE	iShares U.S. Energy ETF	0.89%
FTXN	First Trust Nasdaq Oil & Gas ETF	0.88%
IEZ	iShares U.S. Oil Equipment & Services ETF	0.85%
PJP	Invesco Pharmaceuticals ETF	0.75%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	0.71%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
RSPG	Invesco S&P 500 Equal Weight Energy ETF	78.67
FTXN	First Trust Nasdaq Oil & Gas ETF	77.02
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	77.02
XLE	Energy Select Sector SPDR Fund	75.97
VDE	Vanguard Energy ETF	75.70
PXE	Invesco Energy Exploration & Production ETF	75.63
FENY	Fidelity MSCI Energy Index ETF	75.42
IYE	iShares U.S. Energy ETF	75.05
FXN	First Trust Energy AlphaDEX Fund	75.00
FCG	First Trust Natural Gas ETF	74.48

Sector & Industry 1 Day Performance Laggards

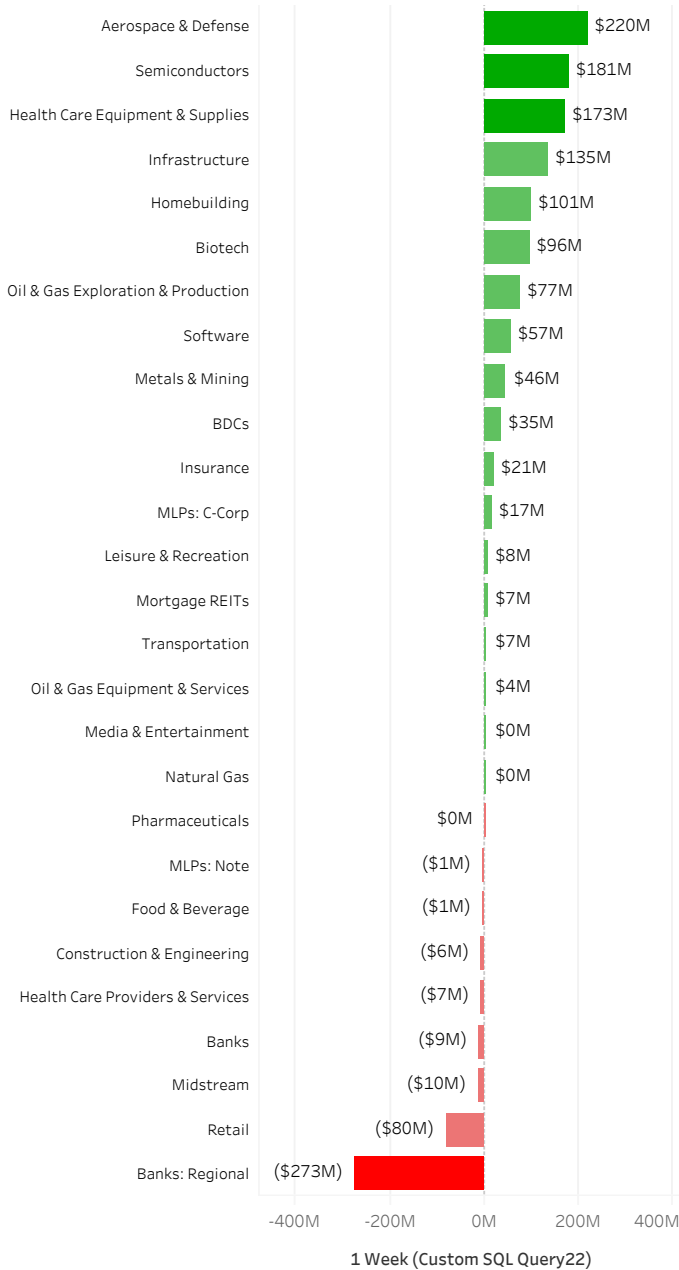
Ticker	Fund	1 Day Performance
ITB	iShares U.S. Home Construction ETF	-3.16%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	-2.98%
XBI	SPDR S&P BIOTECH ETF	-2.73%
MORT	VanEck Mortgage REIT Income ETF	-2.63%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-2.61%
KRE	SPDR S&P Regional Banking ETF	-2.60%
IAT	iShares U.S. Regional Banks ETF	-2.60%
KBWD	Invesco KBW High Dividend Yield Financial ETF	-2.56%
REM	iShares Mortgage Real Estate ETF	-2.49%
XSD	SPDR S&P Semiconductor ETF	-2.40%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
QABA	First Trust NASDAQ ABA Community Bank Index Fund	35.59
XTL	SPDR S&P Telecom ETF	35.59
XPH	SPDR S&P Pharmaceuticals ETF	36.75
PSCC	Invesco S&P SmallCap Consumer Staples ETF	39.33
PSCT	Invesco S&P SmallCap Information Technology ETF	39.74
KBWR	Invesco KBW Regional Banking ETF	40.11
IYZ	iShares U.S. Telecommunications ETF	40.15
KBWY	Invesco KBW Premium Yield Equity REIT ETF	40.90
KBWD	Invesco KBW High Dividend Yield Financial ETF	41.01
XHE	SPDR S&P Health Care Equipment ETF	41.61

* 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	\$25B	\$1,591M	\$1,651M	\$2,556M	\$5,466M
Consumer Discretionary	12	\$30B	(\$369M)	\$302M	\$259M	\$3,483M
Consumer Staples	10	\$26B	\$38M	(\$1,275M)	(\$3,736M)	(\$4,178M)
Energy	30	\$74B	\$9M	(\$1,995M)	(\$1,133M)	(\$6,739M)
Financials	26	\$65B	(\$277M)	(\$490M)	(\$1,585M)	(\$2,437M)
Health Care	23	\$95B	\$169M	\$1,219M	(\$2,695M)	(\$5,382M)
Industrial	13	\$40B	\$341M	\$1,145M	\$701M	\$1,330M
Materials	9	\$12B	\$97M	(\$319M)	(\$1,598M)	(\$3,613M)
Multi-Sector	16	\$23B	\$200M	\$809M	\$478M	\$3,385M
Real Estate	25	\$61B	\$285M	\$1,766M	\$3,054M	\$1,879M
Technology	23	\$201B	\$4,758M	\$7,981M	\$13,841M	\$16,262M
Utilities	9	\$20B	(\$108M)	(\$2,143M)	(\$3,357M)	(\$3,342M)

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$2,627M	\$3,336M	\$6,191M	\$6,132M	\$67,077M
XLC	Communication Services Select Sector SPDR Fu..	\$1,629M	\$1,555M	\$2,561M	\$5,087M	\$19,282M
IYW	iShares U.S. Technology ETF	\$940M	\$1,358M	\$2,747M	\$2,160M	\$16,840M
QTEC	First Trust NASDAQ-100 Technology Sector Ind..	\$352M	\$533M	\$554M	\$1,626M	\$4,300M
IGM	iShares Expanded Tech Sector ETF	\$275M	\$236M	\$336M	\$280M	\$4,555M
RSPT	Invesco S&P 500 Equal Weight Technology ETF	\$203M	\$346M	\$471M	\$714M	\$4,142M
FTXL	First Trust Nasdaq Semiconductor ETF	\$184M	\$241M	\$122M	\$1,051M	\$1,603M
XAR	SPDR S&P Aerospace & Defense ETF	\$184M	\$227M	\$240M	\$437M	\$2,248M
IHI	iShares U.S. Medical Devices ETF	\$175M	(\$84M)	(\$382M)	(\$675M)	\$5,708M
XBI	SPDR S&P BIOTECH ETF	\$130M	(\$51M)	\$189M	(\$333M)	\$7,756M

U.S. Sector & Industry Flow Laggards

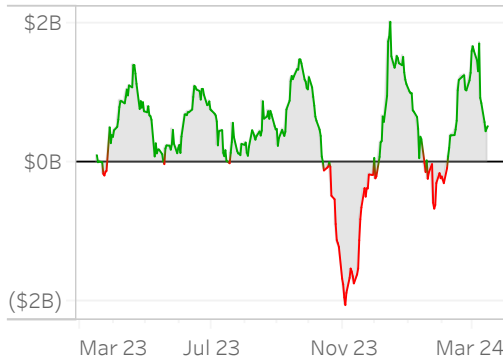
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$288M)	\$99M	\$234M	\$2,410M	\$19,890M
KRE	SPDR S&P Regional Banking ETF	(\$271M)	(\$722M)	(\$474M)	(\$605M)	\$2,843M
XLU	Utilities Select Sector SPDR Fund	(\$140M)	(\$2,020M)	(\$2,482M)	(\$2,118M)	\$12,190M
XLV	Health Care Select Sector SPDR Fund	(\$124M)	\$960M	(\$1,352M)	(\$1,911M)	\$41,886M
SOXX	iShares Semiconductor ETF	(\$123M)	\$556M	\$690M	\$978M	\$12,818M
XRT	SPDR S&P Retail ETF	(\$80M)	(\$41M)	\$24M	(\$182M)	\$463M
KCE	SPDR S&P Capital Markets ETF	(\$76M)	\$25M	\$46M	\$147M	\$327M
XLE	Energy Select Sector SPDR Fund	(\$51M)	(\$2,005M)	(\$879M)	(\$3,677M)	\$37,213M
FDN	First Trust Dow Jones Internet Index Fund	(\$41M)	(\$474M)	(\$613M)	\$672M	\$6,404M
VDE	Vanguard Energy ETF	(\$37M)	(\$61M)	(\$241M)	(\$149M)	\$8,432M

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

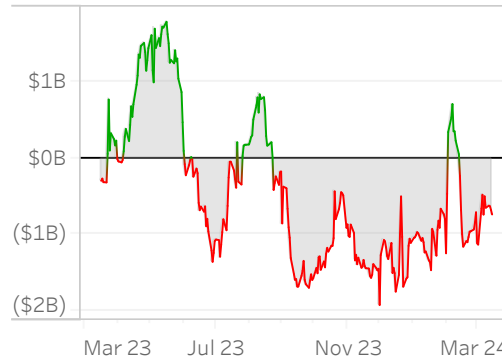
Communication Services



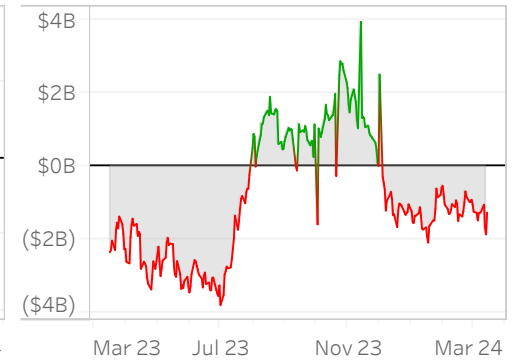
Consumer Discretionary



Consumer Staples



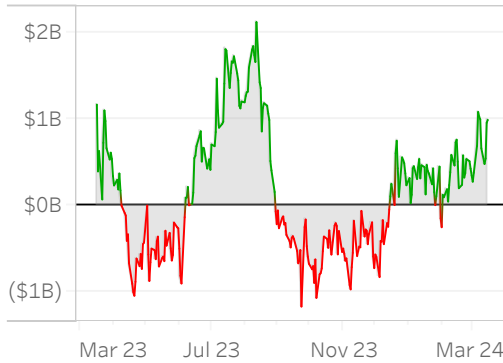
Energy



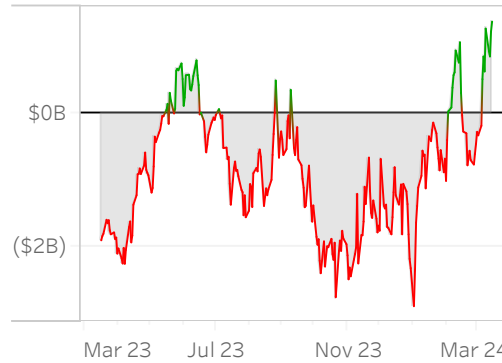
Financials



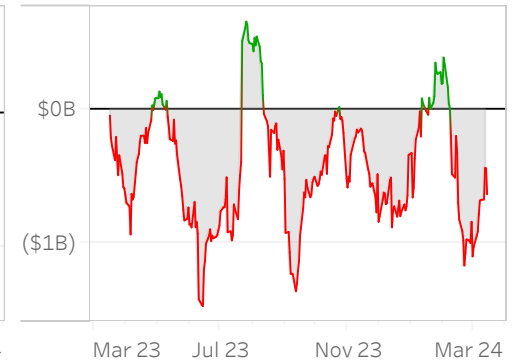
Industrial



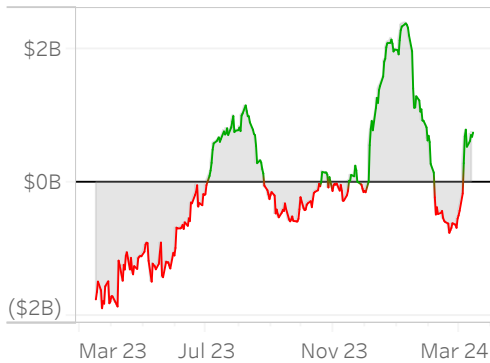
Health Care



Materials



Real Estate



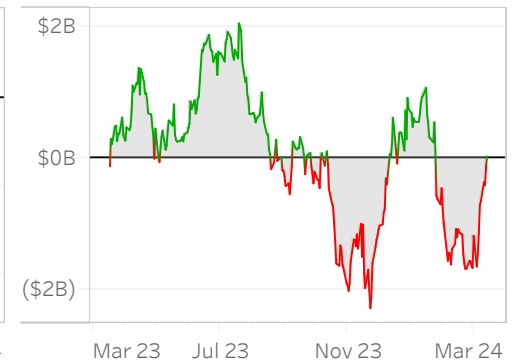
Technology



Utilities

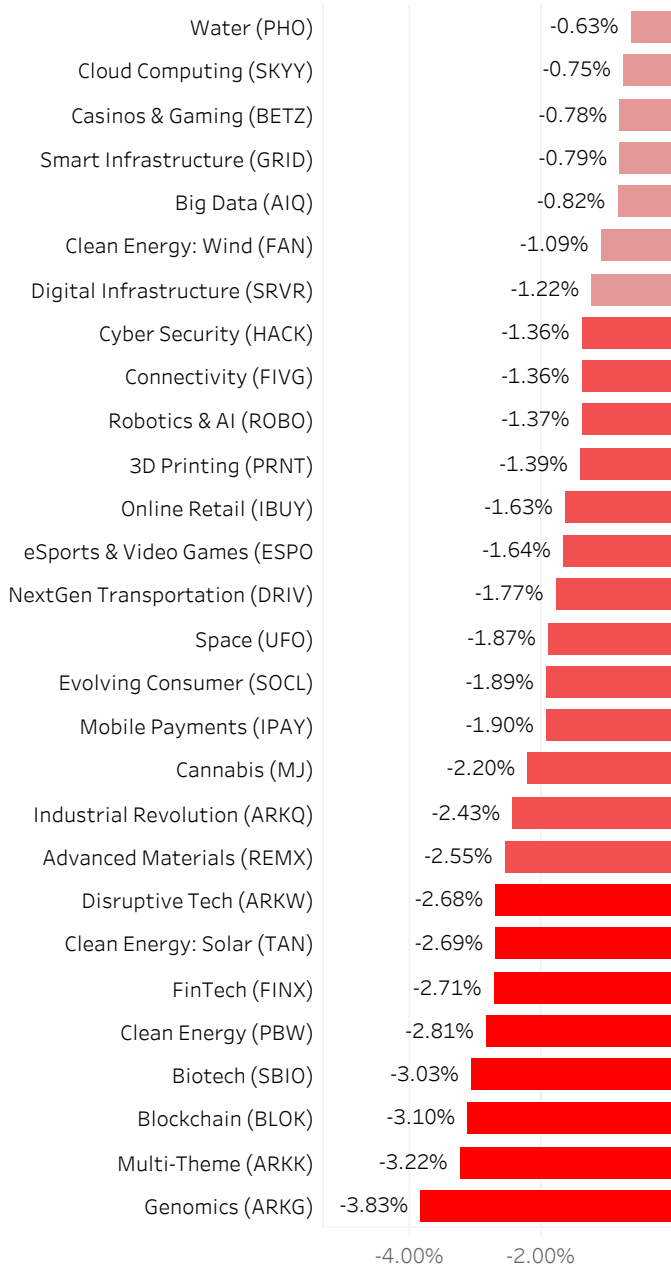


Multi-Sector

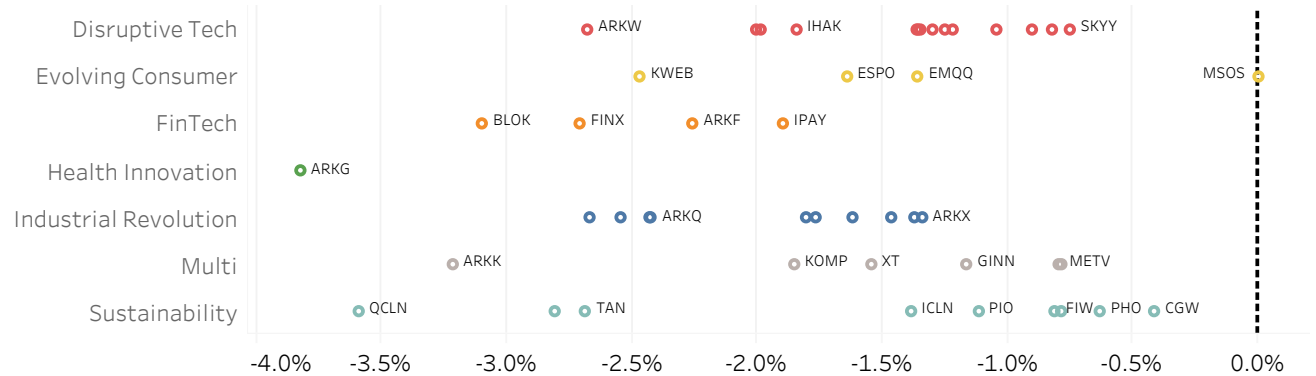


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
AWAY	Amplify Travel Tech ETF	0.15%
MSOS	AdvisorShares Pure US Cannabis ETF	0.00%
SAMT	Strategas Macro Thematic Opportunities ETF	-0.28%
KLDW	Knowledge Leaders Developed World ETF	-0.38%
CGW	Invesco S&P Global Water Index ETF	-0.42%
GBUY	Goldman Sachs Future Consumer Equity ETF	-0.44%
MILN	Global X Millennial Consumer ETF	-0.44%
MJUS	Amplify U.S. Alternative Harvest ETF	-0.47%
EBLU	Ecofin Global Water ESG Fund	-0.55%
PHO	Invesco Water Resources ETF	-0.63%

Thematic Most Overbought

Ticker	Fund	Price
ONLN	ProShares Online Retail ETF	67.70
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	67.23
EBIZ	Global X E-Commerce ETF	66.42
GBUY	Goldman Sachs Future Consumer Equity ETF	65.61
EVX	VanEck Environmental Services ETF	64.81
CGW	Invesco S&P Global Water Index ETF	63.56
IPAY	Amplify Mobile Payments ETF	62.99
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	62.86
MILN	Global X Millennial Consumer ETF	62.39
KLDW	Knowledge Leaders Developed World ETF	62.02

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
CRPT	First Trust SkyBridge Crypto Industry & Digital Econo..	-7.89%
WGMI	Valkyrie Bitcoin Miners ETF	-6.86%
DAPP	VanEck Digital Transformation ETF	-6.55%
BKCH	Global X Blockchain ETF	-6.35%
BITQ	Bitwise Crypto Industry Innovators ETF	-5.59%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-5.58%
CTEC	Global X CleanTech ETF	-4.38%
ARKG	ARK Genomic Revolution ETF	-3.83%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-3.59%
SPRX	Spears Alpha ETF	-3.44%

Thematic Most Oversold

Ticker	Fund	Price
PAWZ	ProShares Pet Care ETF	34.51
ACES	ALPS Clean Energy ETF	34.64
PBW	Invesco WilderHill Clean Energy ETF	34.97
MJ	Amplify Alternative Harvest ETF	35.86
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	36.49
MJUS	Amplify U.S. Alternative Harvest ETF	37.92
ARKG	ARK Genomic Revolution ETF	37.97
ICLN	iShares Global Clean Energy ETF	39.03
CNRG	SPDR S&P Kensho Clean Power ETF	39.18
MSOS	AdvisorShares Pure US Cannabis ETF	39.80

* 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
CIBR	First Trust NASDAQ Cybersecurity ETF	\$514M
FIW	First Trust Water ETF	\$174M
PHO	Invesco Water Resources ETF	\$154M
AIQ	Global X Artificial Intelligence & Technology ETF	\$85M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$68M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$56M
ESPO	VanEck Video Gaming and eSports ETF	\$45M
FCLD	Fidelity Cloud Computing ETF	\$11M
GNOM	Global X Genomics & Biotechnology ETF	\$7M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$7M

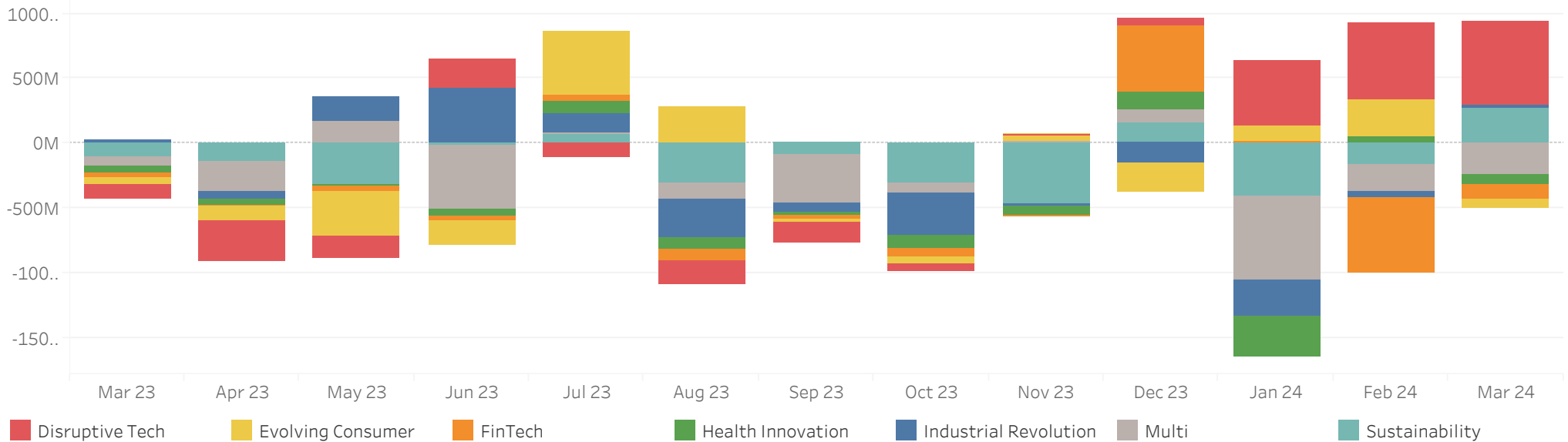
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$505M)
ARKK	ARK Innovation ETF	(\$133M)
KWEB	KraneShares CSI China Internet ETF	(\$41M)
ARKG	ARK Genomic Revolution ETF	(\$41M)
LIT	Global X Lithium & Battery Tech ETF	(\$29M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$26M)
TAN	Invesco Solar ETF	(\$21M)
ARKW	ARK Next Generation Internet ETF	(\$16M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$13M)
HACK	Amplify Cybersecurity ETF	(\$13M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$22B	\$578M	\$1,697M	\$1,606M	\$921M
Evolving Consumer	34	\$9B	\$20M	\$213M	\$92M	\$191M
FinTech	17	\$3B	(\$10M)	(\$404M)	(\$230M)	(\$445M)
Health Innovation	17	\$2B	(\$34M)	(\$131M)	(\$325M)	(\$555M)
Industrial Revolution	30	\$10B	(\$491M)	(\$445M)	(\$829M)	(\$430M)
Multi	33	\$16B	(\$90M)	(\$1,068M)	(\$1,229M)	(\$2,164M)
Sustainability	39	\$13B	\$332M	(\$190M)	(\$988M)	(\$1,839M)
Grand Total	203	\$75B	\$305M	(\$328M)	(\$1,903M)	(\$4,322M)

Thematic Monthly Flows

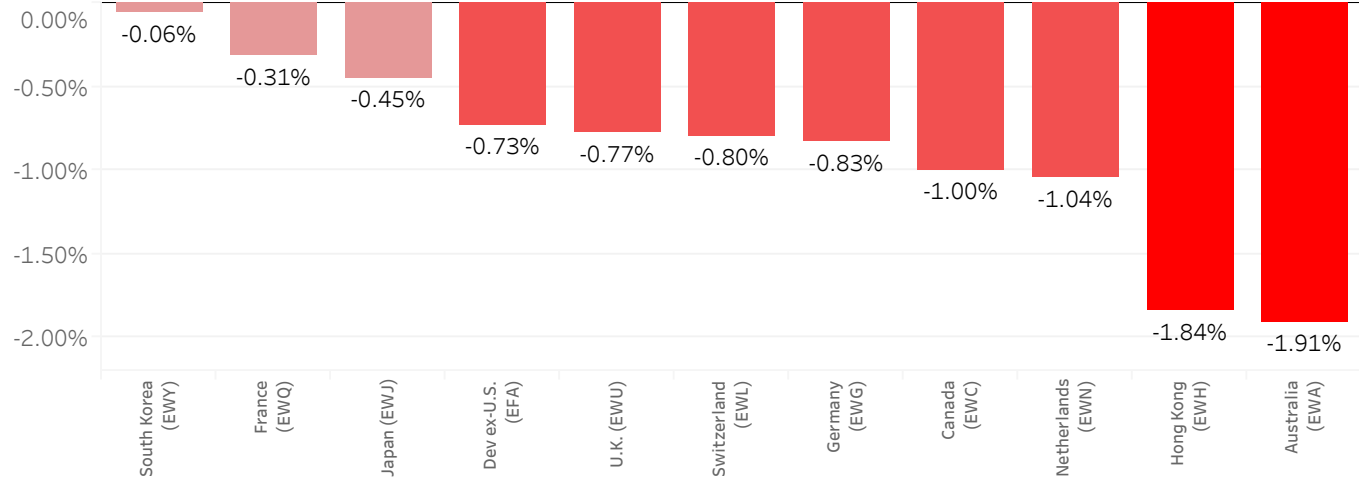


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



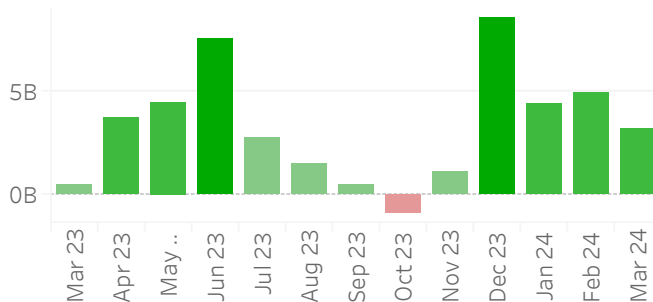
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
GREK	Global X MSCI Greece ETF	0.95%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.22%
FJP	First Trust Japan AlphaDEX Fund	0.14%
SCJ	iShares MSCI Japan Small-Cap ETF	0.11%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	0.04%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.00%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.02%
EWS	iShares MSCI Singapore ETF	-0.05%
EWY	iShares MSCI South Korea ETF	-0.06%
FLKR	Franklin FTSE South Korea ETF	-0.07%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EWI	iShares MSCI Italy ETF	72.95
EWQ	iShares MSCI France ETF	72.18
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	70.92
HEZU	iShares Currency Hedged MSCI Eurozone ETF	70.57
HEDJ	WisdomTree Europe Hedged Equity Fund	69.41
IDMO	Invesco S&P International Developed Momentum ETF	68.29
DAX	Global X DAX Germany ETF	67.85
FLKR	Franklin FTSE South Korea ETF	67.54
UIVM	VictoryShares International Value Momentum ETF	67.53
FSZ	First Trust Switzerland AlphaDEX Fund	67.47

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
ISRA	VanEck Israel ETF	-1.97%
EWA	iShares MSCI Australia ETF	-1.91%
EWH	iShares MSCI Hong Kong ETF	-1.84%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-1.79%
EPP	iShares MSCI Pacific ex-Japan ETF	-1.72%
EWP	iShares MSCI Spain ETF	-1.45%
EIS	iShares MSCI Israel ETF	-1.44%
IDOG	ALPS International Sector Dividend Dogs ETF	-1.24%
AIA	iShares Asia 50 ETF	-1.19%
FKU	First Trust United Kingdom AlphaDEX Fund	-1.17%

Developed ex-U.S. Most Oversold

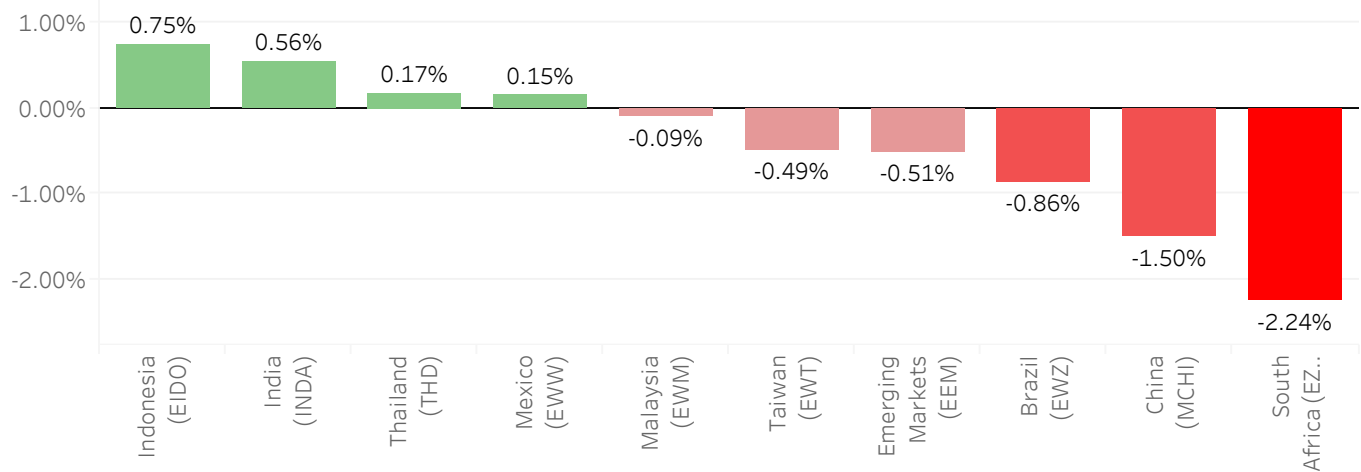
Ticker	Fund	Price
ISRA	VanEck Israel ETF	44.81
ENZL	iShares MSCI New Zealand ETF	46.54
EIS	iShares MSCI Israel ETF	48.83
IDOG	ALPS International Sector Dividend Dogs ETF	50.33
EWO	iShares MSCI Austria ETF	50.84
HEWJ	iShares Currency Hedged MSCI Japan ETF	51.20
EWA	iShares MSCI Australia ETF	51.37
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	51.56
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	51.62
EWJ	iShares MSCI Japan ETF	51.85

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Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



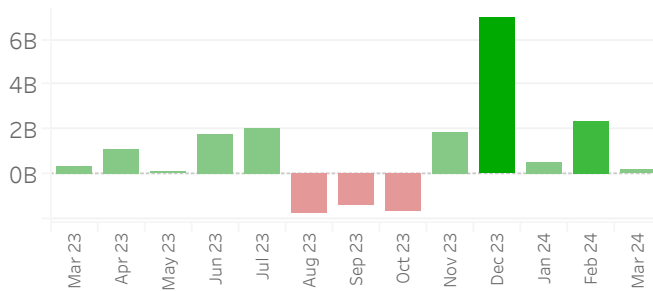
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SMIN	iShares MSCI India Small Cap ETF	1.98%
GLIN	VanEck India Growth Leaders ETF	1.05%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.97%
FLIN	Franklin FTSE India ETF	0.75%
EIDO	iShares MSCI Indonesia ETF	0.75%
EPI	WisdomTree India Earnings Fund	0.71%
INDA	iShares MSCI India ETF	0.56%
DGRE	WisdomTree Emerging Markets Quality Dividend Growth	0.55%
PIN	Invesco India ETF	0.52%
EWZS	iShares MSCI Brazil Small-Cap ETF	0.49%

Emerging Most Overbought

Ticker	Fund	Value
EPU	iShares MSCI Peru and Global Exposure ETF	82.02
FM	iShares Frontier and Select EM ETF	73.08
EELV	Invesco S&P Emerging Markets Low Volatility ETF	67.55
FRDM	Freedom 100 Emerging Markets ETF	65.61
EDIV	SPDR S&P Emerging Markets Dividend ETF	65.09
ECH	iShares MSCI Chile ETF	64.69
EPHE	iShares MSCI Philippines ETF	64.31
FLTW	Franklin FTSE Taiwan ETF	64.17
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	63.98
MEM	Matthews Emerging Markets Equity Active ETF	63.68

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	-2.67%
EZA	iShares MSCI South Africa ETF	-2.24%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-2.18%
FXI	iShares China Large-Cap ETF	-2.03%
ECNS	iShares MSCI China Small-Cap ETF	-1.73%
FLCH	Franklin FTSE China ETF	-1.67%
MCHI	iShares MSCI China ETF	-1.50%
GXC	SPDR S&P China ETF	-1.36%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	-1.25%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-1.23%

Emerging Most Oversold

Ticker	Fund	Value
SMIN	iShares MSCI India Small Cap ETF	33.72
TUR	iShares MSCI Turkey ETF	36.90
EPI	WisdomTree India Earnings Fund	40.10
GLIN	VanEck India Growth Leaders ETF	41.65
EWZ	iShares MSCI Brazil ETF	43.16
PIN	Invesco India ETF	43.47
FLBR	Franklin FTSE Brazil ETF	44.73
FLIN	Franklin FTSE India ETF	44.92
INDA	iShares MSCI India ETF	45.01
INDY	iShares India 50 ETF	45.86

* 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	-0.63%	0.22%	-1.58%
SHY	1-3 Year Treasury Bonds	-0.09%	0.12%	-0.02%
IEF	7-10 Year Treasury Bonds	-0.74%	0.18%	-2.18%
TLT	20+ Year Treasury Bonds	-1.54%	0.47%	-5.39%
TIP	TIPS Bonds	-0.61%	0.24%	-1.02%
FLOT	Floating Rate Bonds	0.08%	0.63%	1.65%
LQD	Investment Grade Corporate	-0.74%	0.64%	-1.90%
HYG	High Yield Corporate	-0.48%	0.89%	0.71%
BKLN	Senior Loan	-0.05%	1.18%	1.46%
PFF	Preferred & Income Securities	-0.81%	1.32%	3.81%
MUB	Municipal Bonds	-0.29%	0.31%	-0.16%
MBB	MBS	-0.78%	0.27%	-1.88%
EMB	Dollar Denominated EM Bonds	-0.51%	2.18%	0.32%
LEMB	Local Currency EM Bond	-0.18%	1.54%	-1.06%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.10%	5.20%	1.81%
DBE	Energy	1.12%	3.69%	7.08%
USO	WTI Crude Oil	1.61%	6.64%	14.48%
BNO	Brent Crude Oil	1.37%	5.80%	13.51%
UNG	Natural Gas	4.43%	4.57%	-23.22%
UGA	Gasoline	1.21%	5.56%	15.26%
DBP	Precious Metals	-0.41%	8.93%	4.83%
GLD	Gold	-0.42%	8.64%	4.80%
SLV	Silver	-0.26%	11.20%	4.36%
PPLT	abrdrn Physical Platin..	-1.11%	4.30%	-6.25%
PALL	abrdrn Physical Palla..	0.99%	14.25%	-2.75%
DBB	Base Metals	-0.28%	6.64%	-1.64%
CPER	Copper	-0.20%	9.47%	4.43%
DBA	Agriculture	0.57%	5.48%	11.33%
CORN	Corn	-1.15%	0.46%	-8.11%
SOYB	Soybeans	0.00%	2.68%	-6.44%
WEAT	Wheat	-1.35%	-5.88%	-14.24%
CANE	Sugar	-0.68%	-4.30%	6.09%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.54%	-0.85%	3.17%
UDN	Short Dollar	-0.41%	1.60%	-1.37%
FXE	Euro	-0.48%	1.73%	-0.84%
FXB	British Pound Sterling	-0.31%	1.80%	0.76%
FXF	Swiss Franc	-0.53%	0.27%	-4.76%
FXJ	Japanese Yen	-0.35%	1.56%	-5.08%
FXC	Canadian Dollar	-0.45%	0.38%	-1.55%
FXA	Australian Dollar	-0.56%	1.59%	-3.06%

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