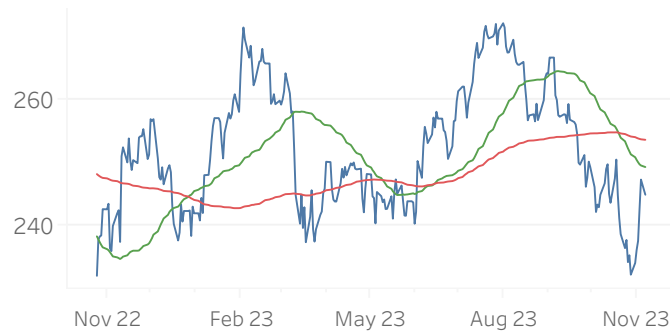


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

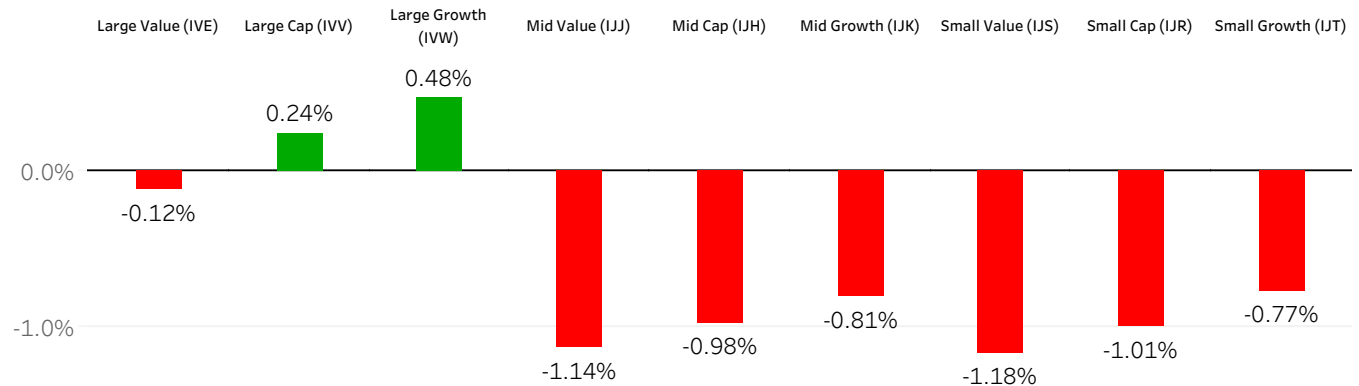


Small Cap Blend (S&P 600) IJR



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

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
MMTM	SPDR S&P 1500 Momentum Tilt ETF	1.03%
SPMO	Invesco S&P 500 Momentum ETF	0.77%
MGK	Vanguard Mega Cap Growth ETF	0.77%
IWY	iShares Russell Top 200 Growth ETF	0.75%
WINN	Harbor Long-Term Growers ETF	0.70%
XLG	Invesco S&P 500 Top 50 ETF	0.66%
SCHG	Schwab U.S. Large-Cap Growth ETF	0.60%
VONG	Vanguard Russell 1000 Growth ETF	0.60%
IWF	iShares Russell 1000 Growth ETF	0.58%
VUG	Vanguard Growth ETF	0.57%

Size & Style Most Overbought

Ticker	Fund	Price
AUSF	Global X Adaptive U.S. Factor ETF	68.05
CSB	VictoryShares US Small Cap High Dividend Volatility Wtd ..	63.36
RDIV	Invesco S&P Ultra Dividend Revenue ETF	63.30
SVAL	iShares US Small Cap Value Factor ETF	63.09
PWB	Invesco Large Cap Growth ETF	62.94
SMDV	ProShares Russell 2000 Dividend Growers ETF	62.77
MBCC	Monarch Blue Chips Core ETF	62.75
FYT	First Trust Small Cap Value AlphaDEX Fund	62.68
QMOM	Momentumshares US Quantitative Momentum ETF	62.63
QVAL	Alpha Architect US Quantitative Value ETF	62.53

Size & Style 1-Day Performance Laggards

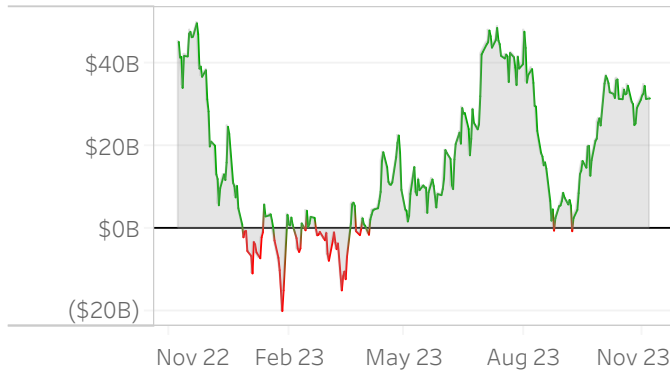
Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	-1.89%
RYJ	Invesco Raymond James SB-1 Equity ETF	-1.71%
AVUV	Avantis U.S. Small Cap Value ETF	-1.49%
FNK	First Trust Mid Cap Value AlphaDEX Fund	-1.47%
FYX	First Trust Small Cap Core AlphaDEX Fund	-1.43%
FYT	First Trust Small Cap Value AlphaDEX Fund	-1.42%
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	-1.42%
ISCB	iShares Morningstar Small-Cap ETF	-1.42%
GRPM	Invesco S&P MidCap 400 GARP ETF	-1.37%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	-1.37%

Size & Style Most Oversold

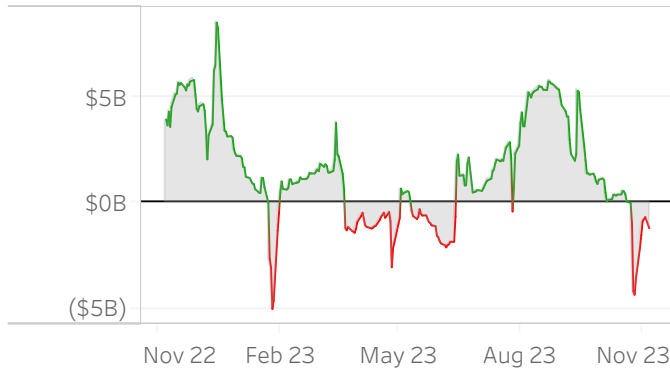
Ticker	Fund	Price
PTMC	Pacer Trendpilot US Mid Cap ETF	35.83
LSAT	Leadershares Alphafactor Tactical Focused ETF	37.00
ALTL	Pacer Lunt Large Cap Alternator ETF	40.65
ONOF	Global X Adaptive U.S. Risk Management ETF	41.74
FFTY	Innovator IBD 50 ETF	45.54
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	45.58
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	46.33
LGH	HCM Defender 500 Index ETF	46.87
TMFS	Motley Fool Small-Cap Growth ETF	48.23
TPHE	Timothy Plan High Dividend Stock Enhanced ETF	48.30

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

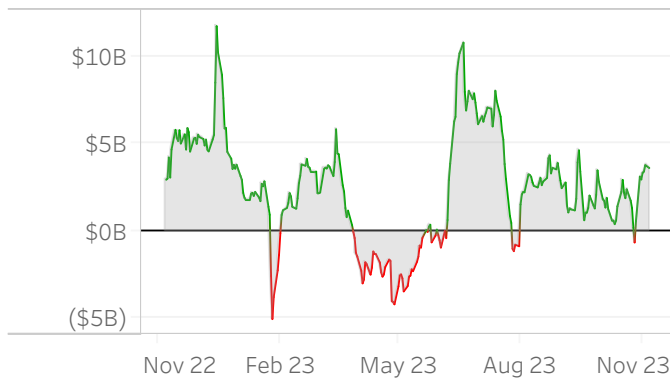
Large-Cap 30-Day Rolling Flows



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	\$1,451B	(\$0.89B)	\$33.31B	\$79.96B	\$75.07B
Large Cap, Beta, Beta: Growth	10	\$284B	\$1.58B	\$8.80B	\$10.62B	\$18.57B
Large Cap, Beta, Beta: Value	11	\$217B	\$0.33B	\$0.97B	(\$2.18B)	(\$7.79B)
Mid Cap, Beta, Beta	10	\$187B	\$0.12B	\$1.27B	\$6.06B	\$9.87B
Mid Cap, Beta, Beta: Growth	6	\$34B	\$0.21B	(\$0.10B)	\$0.61B	\$0.58B
Mid Cap, Beta, Beta: Value	6	\$37B	(\$0.04B)	(\$0.92B)	(\$1.78B)	(\$2.49B)
Small Cap, Beta, Beta	11	\$192B	\$0.97B	\$2.41B	\$10.12B	\$11.62B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.30B	\$0.41B	\$0.77B	\$0.98B
Small Cap, Beta, Beta: Value	7	\$46B	(\$0.02B)	(\$0.65B)	(\$1.25B)	(\$1.27B)

U.S. Size & Style Flow Leaders

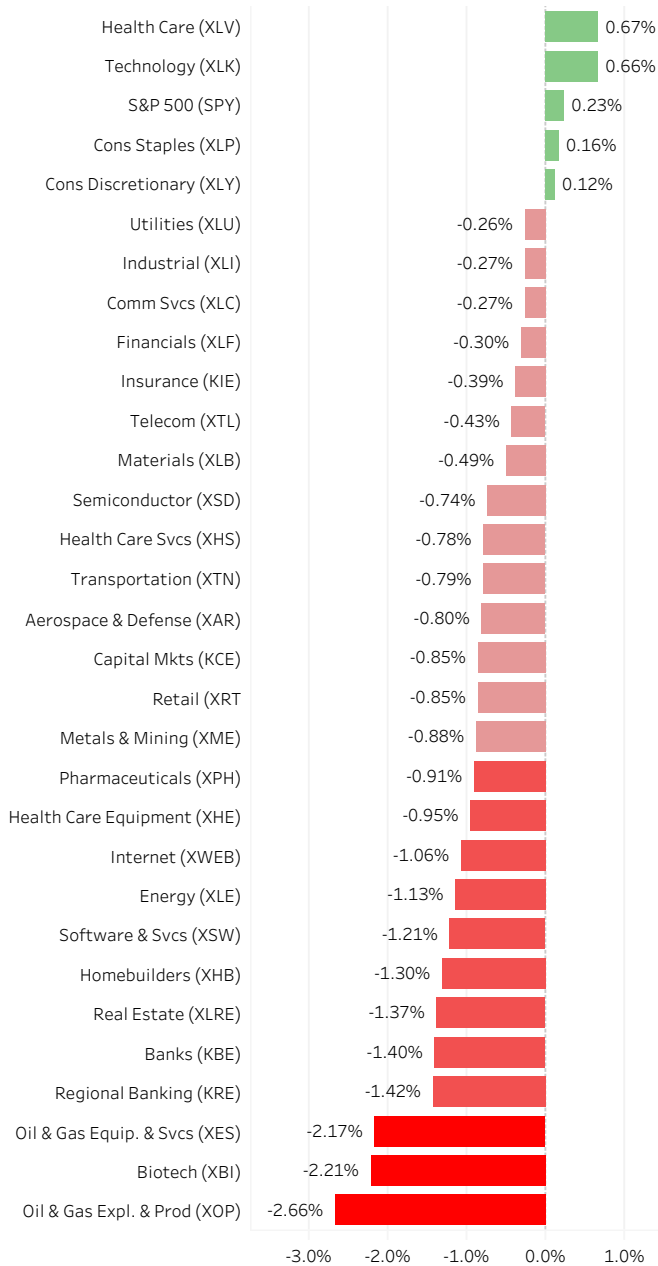
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$2.44B	\$9.54B	\$26.85B	\$33.50B	\$333.68B
QQQ	Invesco QQQ Trust Series I	\$1.49B	\$2.68B	\$6.72B	\$6.70B	\$203.08B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.83B	\$2.18B	\$1.96B	\$10.45B	\$32.78B
IWM	iShares Russell 2000 ETF	\$0.79B	\$0.65B	\$3.56B	\$1.37B	\$51.41B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.75B	(\$1.26B)	\$0.01B	(\$1.86B)	\$28.18B
IWF	iShares Russell 1000 Growth ETF	\$0.67B	\$2.52B	\$1.80B	(\$0.32B)	\$72.18B
IVV	iShares Core S&P 500 ETF	\$0.61B	\$16.17B	\$29.76B	\$24.34B	\$355.31B
VTI	Vanguard Total Stock Market ETF	\$0.37B	\$5.49B	\$12.01B	\$21.21B	\$310.46B
SCHG	Schwab U.S. Large-Cap Growth ETF	\$0.33B	\$0.58B	\$0.93B	\$1.95B	\$19.91B
IWD	iShares Russell 1000 Value ETF	\$0.27B	\$0.19B	(\$0.84B)	(\$5.01B)	\$48.62B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQM	Invesco NASDAQ 100 ETF	(\$0.48B)	\$0.66B	\$3.95B	\$7.04B	\$14.58B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.31B)	(\$0.98B)	\$7.15B	\$8.08B	\$38.95B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.26B)	(\$0.41B)	(\$0.65B)	(\$1.61B)	\$10.67B
VTV	Vanguard Value ETF	(\$0.24B)	(\$0.44B)	(\$3.31B)	(\$4.40B)	\$97.42B
PKW	Invesco Buyback Achievers ETF	(\$0.24B)	\$0.54B	\$0.52B	(\$0.08B)	\$1.45B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.13B)	(\$0.37B)	(\$0.59B)	(\$0.31B)	\$17.99B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.11B)	\$0.50B	\$0.72B	\$0.68B	\$44.18B
XMMO	Invesco S&P MidCap Momentum ETF	(\$0.09B)	(\$0.08B)	(\$0.09B)	(\$0.02B)	\$1.00B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.06B)	(\$0.65B)	(\$1.41B)	(\$3.07B)	\$27.45B
SDY	SPDR S&P Dividend ETF	(\$0.05B)	(\$0.83B)	(\$1.50B)	(\$1.51B)	\$19.50B

* 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	-1.82%	44.73%	1.42%	8.58%	56.49
XLK	Technology Select Sector SPDR Fund	-4.72%	41.74%	2.07%	7.62%	61.63
SPY	SPDR S&P 500 ETF Trust	-5.05%	15.41%	0.18%	2.38%	58.17
XLE	Energy Select Sector SPDR Fund	-7.16%	13.17%	-2.96%	2.21%	45.27
XLB	Materials Select Sector SPDR Fund	-8.08%	5.82%	-0.28%	-1.90%	58.01
XLI	Industrial Select Sector SPDR Fund	-8.26%	5.35%	-0.98%	-1.08%	54.87
XLF	Financial Select Sector SPDR Fund	-8.70%	9.04%	0.82%	0.36%	60.29
XLV	Health Care Select Sector SPDR Fund	-9.06%	3.47%	-1.98%	-2.77%	48.02
XLY	Consumer Discretionary Select Sector SPDR Fund	-9.46%	26.90%	-1.17%	1.92%	55.94
XLP	Consumer Staples Select Sector SPDR Fund	-11.29%	3.82%	-0.99%	-5.83%	54.52
XLU	Utilities Select Sector SPDR Fund	-14.88%	10.09%	1.69%	-5.14%	61.26
XLRE	Real Estate Select Sector SPDR Fund	-16.07%	9.07%	1.04%	-4.62%	60.74

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IHE	iShares U.S. Pharmaceuticals ETF	0.94%
XLV	Health Care Select Sector SPDR Fund	0.67%
XLK	Technology Select Sector SPDR Fund	0.66%
PSL	Invesco Dorsey Wright Consumer Staples Moment..	0.61%
IYH	iShares U.S. Healthcare ETF	0.59%
IYW	iShares U.S. Technology ETF	0.52%
FTEC	Fidelity MSCI Information Technology Index ETF	0.50%
VHT	Vanguard Health Care ETF	0.47%
VGT	Vanguard Information Technology ETF	0.45%
FXG	First Trust Consumer Staples AlphaDEX Fund	0.39%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
AMLP	Alerian MLP ETF	68.11
ITA	iShares U.S. Aerospace & Defense ETF	68.06
XAR	SPDR S&P Aerospace & Defense ETF	67.39
PKB	Invesco Building & Construction ETF	67.11
MLPA	Global X MLP ETF	66.55
ITB	iShares U.S. Home Construction ETF	65.84
MLPX	Global X MLP & Energy Infrastructure ETF	65.46
QABA	First Trust NASDAQ ABA Community Bank Index Fund	65.31
KRE	SPDR S&P Regional Banking ETF	64.22
PPA	Invesco Aerospace & Defense ETF	64.10

Sector & Industry 1 Day Performance Laggards

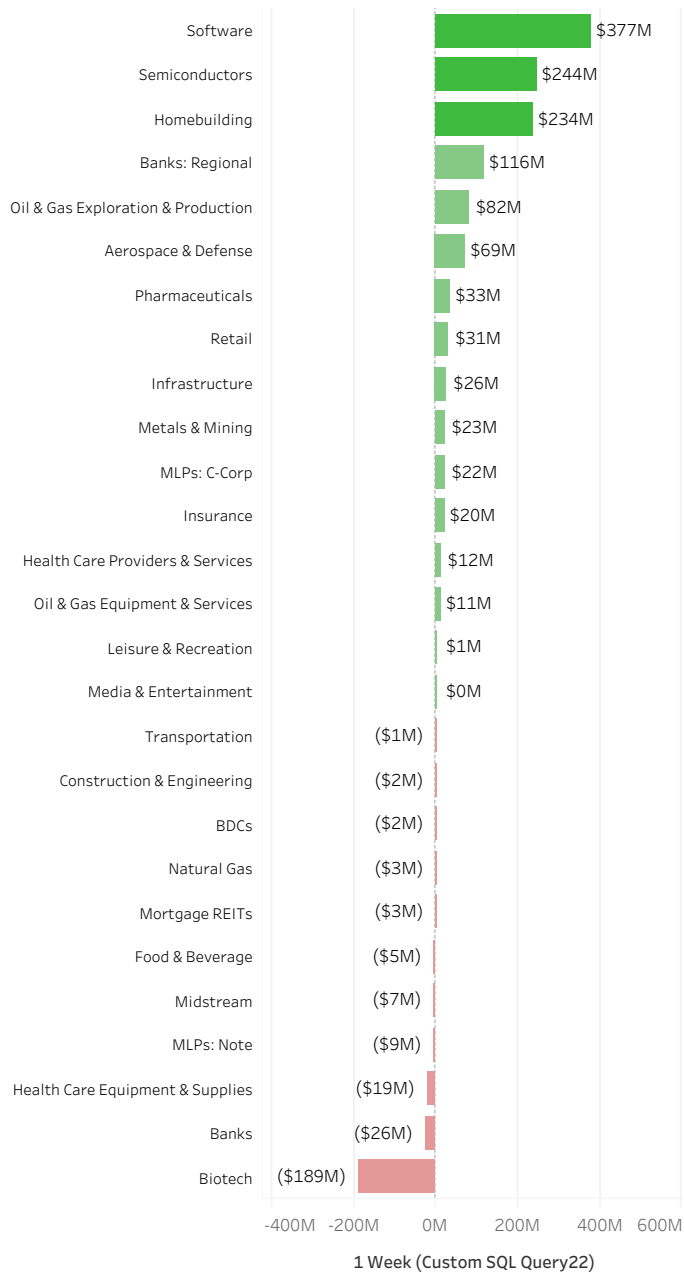
Ticker	Fund	1 Day Performance
FCG	First Trust Natural Gas ETF	-2.93%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-2.66%
PSCE	Invesco S&P SmallCap Energy ETF	-2.60%
PXE	Invesco Energy Exploration & Production ETF	-2.36%
FXN	First Trust Energy AlphaDEX Fund	-2.31%
XBI	SPDR S&P BIOTECH ETF	-2.21%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-2.17%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	-2.10%
INDS	Pacer Industrial Real Estate ETF	-2.05%
PXI	Invesco Dorsey Wright Energy Momentum ETF	-1.89%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IHE	iShares U.S. Pharmaceuticals ETF	43.72
XES	SPDR S&P Oil & Gas Equipment & Services ETF	45.23
XLE	Energy Select Sector SPDR Fund	45.27
FXH	First Trust Health Care AlphaDEX Fund	46.01
IYE	iShares U.S. Energy ETF	46.04
VDE	Vanguard Energy ETF	46.44
FENY	Fidelity MSCI Energy Index ETF	46.53
XPH	SPDR S&P Pharmaceuticals ETF	46.60
IYH	iShares U.S. Healthcare ETF	46.99
PSCE	Invesco S&P SmallCap Energy ETF	47.51

* 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	\$18B	\$20M	(\$640M)	\$1,052M	\$2,228M
Consumer Discretionary	12	\$25B	(\$23M)	(\$449M)	\$867M	\$1,093M
Consumer Staples	10	\$26B	(\$33M)	(\$2,429M)	(\$2,815M)	(\$294M)
Energy	31	\$75B	(\$58M)	\$3,256M	\$91M	(\$7,488M)
Financials	26	\$51B	(\$273M)	(\$6,857M)	(\$4,588M)	(\$4,459M)
Health Care	23	\$80B	(\$485M)	(\$3,865M)	(\$4,994M)	(\$7,290M)
Industrial	13	\$32B	(\$143M)	(\$1,261M)	\$739M	\$2,128M
Materials	9	\$11B	(\$58M)	(\$1,395M)	(\$2,316M)	(\$1,946M)
Multi-Sector	18	\$17B	\$87M	(\$556M)	\$2,003M	\$1,822M
Real Estate	25	\$52B	(\$130M)	(\$761M)	(\$215M)	(\$3,139M)
Technology	23	\$150B	\$564M	\$2,385M	\$2,086M	\$1,826M
Utilities	9	\$21B	\$71M	(\$1,197M)	(\$1,693M)	(\$1,446M)

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	\$370M	(\$46M)	\$421M	\$188M	\$6,433M
SOXX	iShares Semiconductor ETF	\$254M	\$530M	\$288M	\$522M	\$8,725M
XLU	Utilities Select Sector SPDR Fund	\$139M	(\$396M)	(\$859M)	(\$339M)	\$13,833M
XHB	SPDR S&P Homebuilders ETF	\$129M	(\$19M)	\$277M	\$230M	\$1,278M
KRE	SPDR S&P Regional Banking ETF	\$118M	(\$270M)	(\$553M)	\$186M	\$2,543M
ITB	iShares U.S. Home Construction ETF	\$105M	(\$253M)	(\$40M)	\$204M	\$1,959M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$82M	(\$22M)	(\$212M)	(\$1,204M)	\$3,823M
PPA	Invesco Aerospace & Defense ETF	\$44M	\$265M	\$257M	\$445M	\$2,231M
IGM	iShares Expanded Tech Sector ETF	\$39M	\$78M	\$18M	(\$91M)	\$3,265M
IHE	iShares U.S. Pharmaceuticals ETF	\$33M	\$196M	\$178M	\$151M	\$551M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	(\$312M)	(\$2,137M)	(\$2,244M)	(\$2,334M)	\$36,251M
XLF	Financial Select Sector SPDR Fund	(\$291M)	(\$4,895M)	(\$2,570M)	(\$1,951M)	\$28,579M
XLI	Industrial Select Sector SPDR Fund	(\$179M)	(\$800M)	\$738M	\$371M	\$14,070M
FDN	First Trust Dow Jones Internet Index Fund	(\$170M)	(\$696M)	\$553M	(\$44M)	\$4,756M
XLE	Energy Select Sector SPDR Fund	(\$168M)	\$2,492M	\$438M	(\$2,190M)	\$39,096M
VNQ	Vanguard Real Estate ETF	(\$158M)	(\$875M)	(\$572M)	(\$1,869M)	\$29,710M
XLK	Technology Select Sector SPDR Fund	(\$115M)	(\$231M)	\$23M	(\$1,795M)	\$48,992M
XBI	SPDR S&P BIOTECH ETF	(\$112M)	(\$114M)	(\$267M)	(\$1,004M)	\$5,202M
IBB	iShares Biotechnology ETF	(\$70M)	(\$297M)	(\$542M)	(\$1,154M)	\$6,681M
XLB	Materials Select Sector SPDR Fund	(\$61M)	(\$608M)	(\$361M)	(\$270M)	\$5,246M

* 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



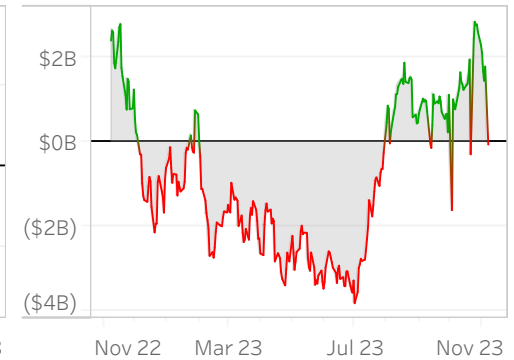
Consumer Discretionary



Consumer Staples



Energy



Financials



Industrial



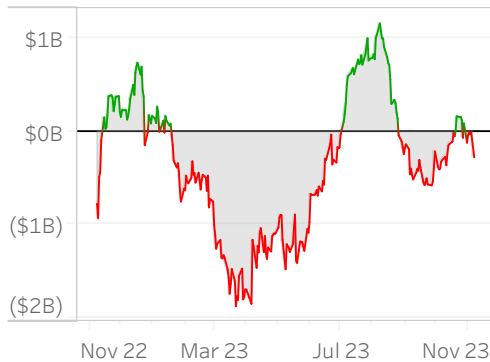
Health Care



Materials



Real Estate



Technology



Utilities

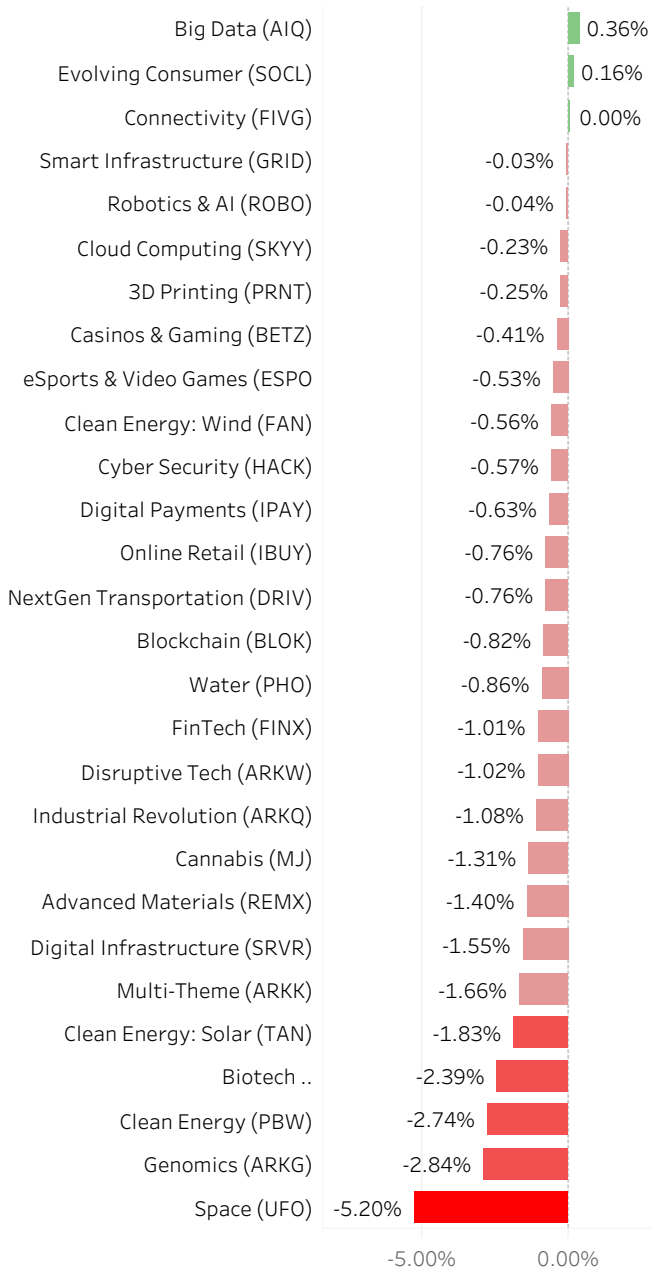


Multi-Sector

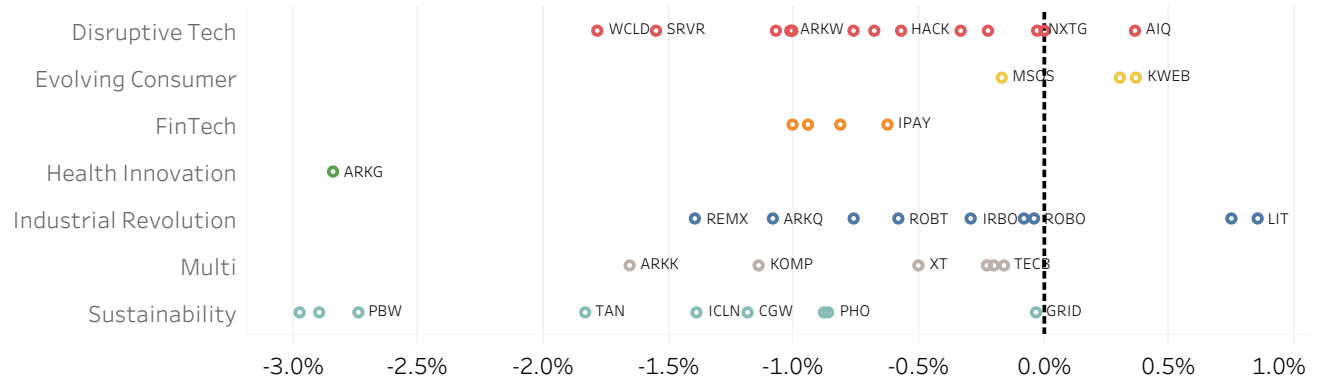


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	1.84%
BATT	Amplify Lithium & Battery Technology ETF	1.54%
KGRN	KraneShares MSCI China Clean Technology Index ETF	1.08%
LIT	Global X Lithium & Battery Tech ETF	0.85%
IDRV	iShares Self-driving EV & Tech ETF	0.75%
KWEB	KraneShares CSI China Internet ETF	0.37%
AIQ	Global X Artificial Intelligence & Technology ETF	0.36%
AGNG	Global X Aging Population ETF	0.35%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	0.30%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	0.29%

Thematic Most Overbought

Ticker	Fund	Value
BLOK	Amplify Transformational Data Sharing ETF	66.67
HERO	Global X Video Games & Esports ETF	64.16
ARKW	ARK Next Generation Internet ETF	64.10
BITQ	Bitwise Crypto Industry Innovators ETF	64.05
DAPP	VanEck Digital Transformation ETF	63.82
CGW	Invesco S&P Global Water Index ETF	63.71
SRVR	Pacer Data & Infrastructure Real Estate ETF	63.67
NXTG	First Trust Indxx NextG ETF	62.79
ESPO	VanEck Video Gaming and eSports ETF	62.59
BKCH	Global X Blockchain ETF	62.22

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-2.98%
ACES	ALPS Clean Energy ETF	-2.90%
ARKG	ARK Genomic Revolution ETF	-2.84%
PBW	Invesco WilderHill Clean Energy ETF	-2.74%
DAPP	VanEck Digital Transformation ETF	-2.42%
SBIO	ALPS Medical Breakthroughs ETF	-2.39%
EDOC	Global X Telemedicine & Digital Health ETF Registered	-2.31%
BKCH	Global X Blockchain ETF	-2.01%
TAN	Invesco Solar ETF	-1.83%
WCLD	WisdomTree Cloud Computing Fund	-1.79%

Thematic Most Oversold

Ticker	Fund	Value
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	40.83
MSOS	AdvisorShares Pure US Cannabis ETF	41.66
LIT	Global X Lithium & Battery Tech ETF	41.75
REMX	VanEck Rare Earth/Strategic Metals ETF	43.36
MJUS	ETFMG U.S. Alternative Harvest ETF	43.41
PBW	Invesco WilderHill Clean Energy ETF	43.92
TAN	Invesco Solar ETF	43.93
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	44.54
CTEC	Global X CleanTech ETF	44.78
BATT	Amplify Lithium & Battery Technology ETF	45.41

* 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	
ARKK	ARK Innovation ETF	\$282M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$14M
ARKG	ARK Genomic Revolution ETF	\$13M
KWEB	KraneShares CSI China Internet ETF	\$11M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$7M
EBIZ	Global X E-Commerce ETF	\$3M
AIQ	Global X Artificial Intelligence & Technology ETF	\$3M
LIT	Global X Lithium & Battery Tech ETF	\$2M
DAPP	VanEck Digital Transformation ETF	\$2M
FMIL	Fidelity New Millennium ETF	\$2M

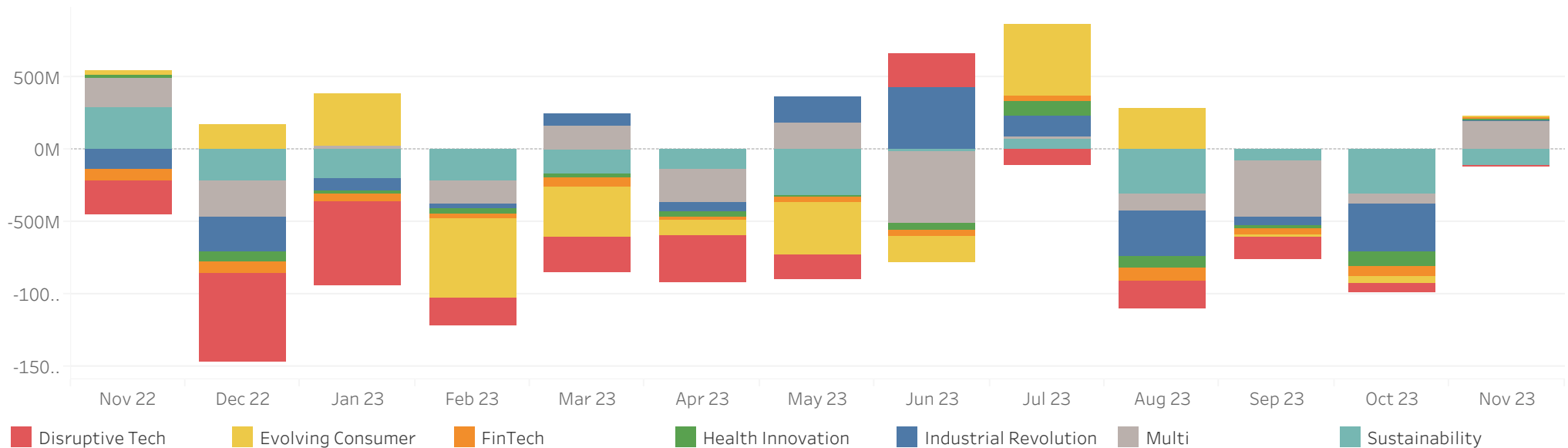
Thematic 1 Week Flow Laggards

Ticker	Fund	
ICLN	iShares Global Clean Energy ETF	(\$77M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$25M)
TAN	Invesco Solar ETF	(\$20M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$18M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$17M)
IBUY	Amplify Online Retail ETF	(\$14M)
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	(\$12M)
TECB	iShares U.S. Tech Breakthrough Multisector ETF	(\$11M)
BUG	Global X Cybersecurity ETF	(\$9M)
WCLD	WisdomTree Cloud Computing Fund	(\$5M)

Thematic Landscape Assets & Flows

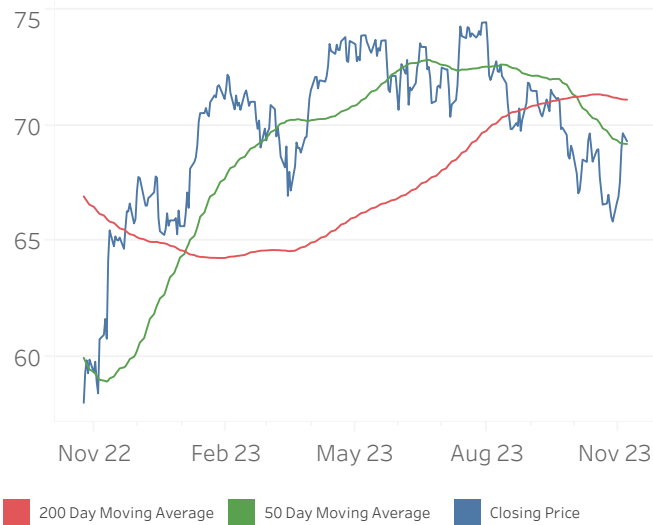
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$16B	(\$11M)	(\$410M)	(\$372M)	(\$2,641M)
Evolving Consumer	39	\$8B	\$4M	(\$125M)	\$410M	(\$269M)
FinTech	17	\$2B	\$3M	(\$199M)	(\$211M)	(\$556M)
Health Innovation	18	\$2B	\$18M	(\$183M)	(\$140M)	(\$352M)
Industrial Revolution	30	\$10B	\$10M	(\$544M)	\$129M	(\$388M)
Multi	36	\$14B	\$193M	(\$108M)	(\$668M)	(\$958M)
Sustainability	40	\$12B	(\$112M)	(\$770M)	(\$987M)	(\$1,744M)
Grand Total	214	\$64B	\$104M	(\$2,338M)	(\$1,840M)	(\$6,909M)

Thematic Monthly Flows

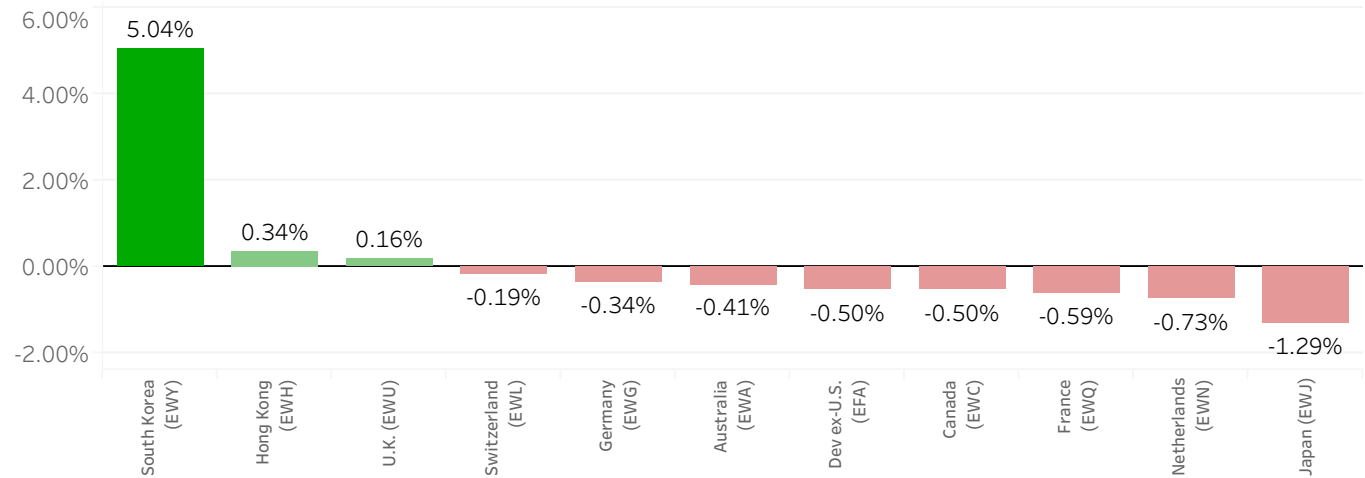


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

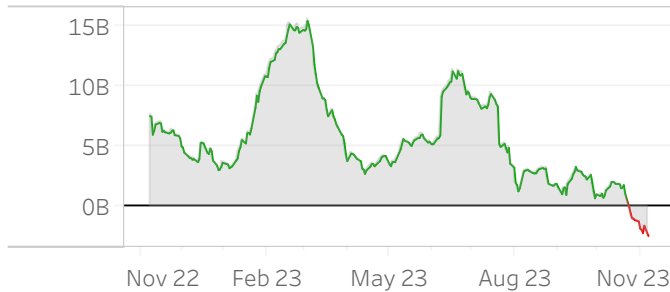
Developed ex-U.S. (EFA)



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



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



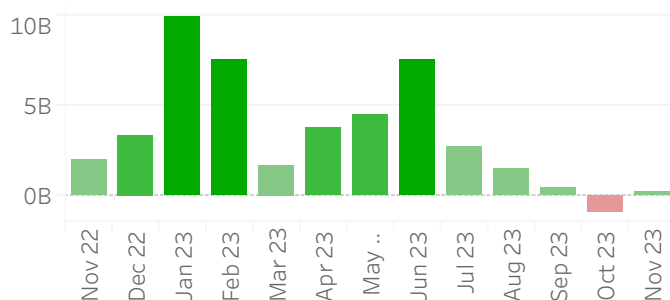
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FLKR	Franklin FTSE South Korea ETF	5.56%
EWY	iShares MSCI South Korea ETF	5.04%
GREK	Global X MSCI Greece ETF	1.86%
AIA	iShares Asia 50 ETF	1.02%
MINV	Matthews Asia Innovators Active ETF	0.90%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.86%
EIS	iShares MSCI Israel ETF	0.64%
EWS	iShares MSCI Singapore ETF	0.60%
ENZL	iShares MSCI New Zealand ETF	0.43%
EWH	iShares MSCI Hong Kong ETF	0.34%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
HEWJ	iShares Currency Hedged MSCI Japan ETF	67.48
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	67.26
IDLV	Invesco S&P International Developed Low Volatility ETF	66.73
BBJP	JPMorgan BetaBuilders Japan ETF	66.02
FLJP	Franklin FTSE Japan ETF	65.92
DXJ	WisdomTree Japan Hedged Equity Fund	65.83
EWO	iShares MSCI Austria ETF	65.73
EWJ	iShares MSCI Japan ETF	65.72
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	65.59
DFJ	WisdomTree Japan SmallCap Dividend Fund	65.17

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FJP	First Trust Japan AlphaDEX Fund	-1.62%
EWJV	iShares MSCI Japan Value ETF	-1.51%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.49%
DFE	WisdomTree Europe SmallCap Dividend Fund	-1.33%
ISVL	iShares International Developed Small Cap Value Factor E..	-1.32%
FLJP	Franklin FTSE Japan ETF	-1.32%
BBJP	JPMorgan BetaBuilders Japan ETF	-1.30%
EWJ	iShares MSCI Japan ETF	-1.29%
FYLD	Cambria Foreign Shareholder Yield ETF	-1.24%
JPNX	iShares JPY-Nikkei 400 ETF	-1.18%

Developed ex-U.S. Most Oversold

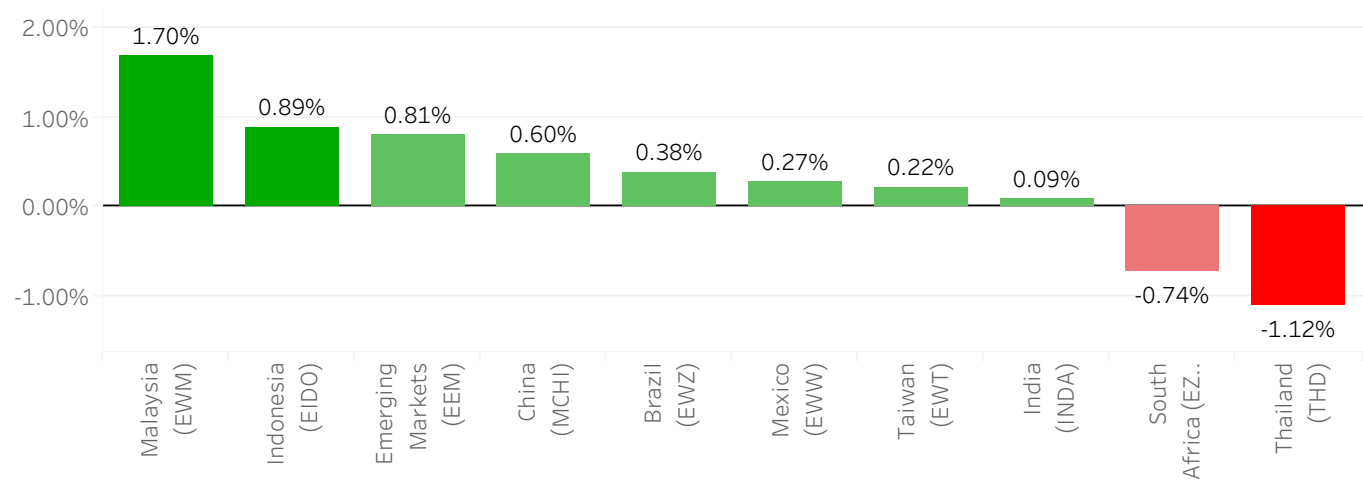
Ticker	Fund	Price
NORW	Global X MSCI Norway ETF	49.93
PTIN	Pacer Trendpilot International ETF	50.09
EWL	iShares MSCI Switzerland ETF	50.87
EWU	iShares MSCI United Kingdom ETF	52.26
FLGB	Franklin FTSE United Kingdom ETF	53.03
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	53.14
EDEN	iShares MSCI Denmark ETF	53.59
EIS	iShares MSCI Israel ETF	53.98
ICOW	Pacer Developed Markets International Cash Cows 1..	54.49
IVAL	Alpha Architect International Quantitative Value ETF	55.09

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

Emerging (EEM)



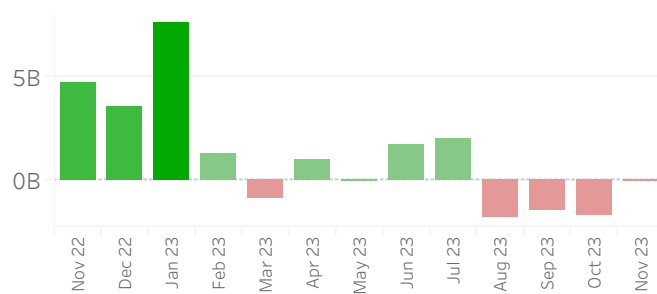
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
QAT	iShares MSCI Qatar ETF	3.19%
TUR	iShares MSCI Turkey ETF	1.90%
EWM	iShares MSCI Malaysia ETF	1.70%
ECNS	iShares MSCI China Small-Cap ETF	1.69%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.22%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	0.95%
EMXC	iShares MSCI Emerging Markets ex China ETF	0.95%
XSOE	WisdomTree Emerging Markets ex-State-Owned Enterp..	0.93%
IEMG	iShares Core MSCI Emerging Markets ETF	0.91%
EIDO	iShares MSCI Indonesia ETF	0.89%

Emerging Most Overbought

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	70.23
EZA	iShares MSCI South Africa ETF	68.21
EWW	iShares MSCI Mexico ETF	66.72
ILF	iShares Latin America 40 ETF	66.66
EWM	iShares MSCI Malaysia ETF	66.64
FLN	First Trust Latin America AlphaDEX Fund	65.06
FRDM	Freedom 100 Emerging Markets ETF	64.45
FLLA	Franklin FTSE Latin America ETF	64.43
EELV	Invesco S&P Emerging Markets Low Volatility ETF	63.86
DVYE	iShares Emerging Markets Dividend ETF	63.77

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ECH	iShares MSCI Chile ETF	-1.59%
THD	iShares MSCI Thailand ETF	-1.12%
GLIN	VanEck India Growth Leaders ETF	-0.89%
EZA	iShares MSCI South Africa ETF	-0.74%
EPHE	iShares MSCI Philippines ETF	-0.41%
FLN	First Trust Latin America AlphaDEX Fund	-0.33%
FEM	First Trust Emerging Markets AlphaDEX Fund	-0.24%
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	-0.17%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.15%
ILF	iShares Latin America 40 ETF	-0.11%

Emerging Most Oversold

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	43.86
VNM	VanEck Vietnam ETF	44.71
RAYC	Rayliant Quantamental China Equity ETF	45.73
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	48.55
KWT	iShares MSCI Kuwait ETF	48.79
INDY	iShares India 50 ETF	49.76
PIN	Invesco India ETF	50.10
FM	iShares Frontier and Select EM ETF	50.69
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	50.77
EIDO	iShares MSCI Indonesia ETF	50.96

* 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	-0.50%	1.34%	-0.81%
SHY	1-3 Year Treasury Bonds	-0.18%	0.59%	2.28%
IEF	7-10 Year Treasury Bonds	-0.58%	1.42%	-2.59%
TLT	20+ Year Treasury Bonds	-0.97%	2.69%	-10.37%
TIP	TIPS Bonds	-0.26%	2.26%	0.17%
FLOT	Floating Rate Bonds	0.00%	0.38%	5.44%
LQD	Investment Grade Corporate	-0.53%	1.76%	-0.50%
HYG	High Yield Corporate	-0.40%	2.50%	5.80%
BKLN	Senior Loan	-0.10%	0.96%	9.73%
PFF	Preferred & Income Securities	-0.57%	3.89%	3.17%
MUB	Municipal Bonds	-0.21%	1.22%	-0.62%
MBB	MBS	-0.64%	1.48%	-1.98%
EMB	Dollar Denominated EM Bonds	-0.83%	3.04%	2.06%
LEMB	Local Currency EM Bond	-0.03%	3.42%	2.05%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.09%	3.35%	-3.77%
DBE	Energy	0.33%	3.52%	-0.86%
USO	WTI Crude Oil	0.08%	1.01%	6.85%
BNO	Brent Crude Oil	0.00%	2.72%	6.75%
UNG	Natural Gas	-6.06%	-11.89%	-51.63%
UGA	Gasoline	1.64%	3.21%	6.19%
DBP	Precious Metals	-0.63%	8.05%	5.08%
GLD	Gold	-0.78%	8.04%	8.08%
SLV	Silver	-0.66%	6.84%	-4.27%
PPLT	abrdn Physical Platin..	-2.68%	3.04%	-15.79%
PALL	abrdn Physical Palla..	-0.82%	-4.01%	-37.99%
DBB	Base Metals	1.29%	2.34%	-3.34%
CPER	Copper	1.27%	3.07%	0.22%
DBA	Agriculture	0.27%	4.08%	11.46%
CORN	Corn	-0.13%	-2.02%	-17.27%
SOYB	Soybeans	0.68%	5.74%	-0.14%
WEAT	Wheat	0.35%	0.00%	-27.44%
CANE	Sugar	0.78%	4.17%	62.43%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.10%	-0.34%	6.58%
UDN	Short Dollar	-0.21%	1.03%	0.49%
FXE	Euro	-0.06%	1.41%	1.48%
FXB	British Pound Sterling	-0.24%	1.08%	4.62%
FXF	Swiss Franc	-0.06%	1.19%	2.58%
FXJ	Japanese Yen	-0.37%	-0.50%	-12.91%
FXC	Canadian Dollar	-0.29%	-0.01%	0.64%
FXA	Australian Dollar	-0.31%	1.67%	-3.82%

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