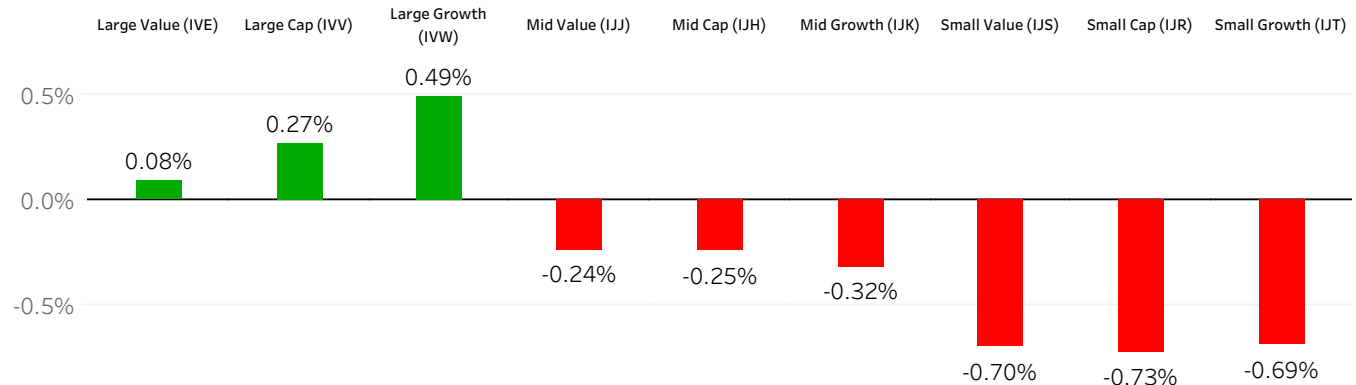


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



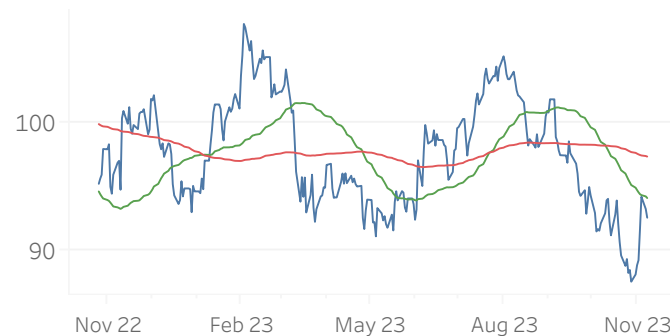
Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	2.24%
FPX	First Trust US Equity Opportunities ETF	1.31%
WINN	Harbor Long-Term Growers ETF	1.29%
SCHG	Schwab U.S. Large-Cap Growth ETF	1.01%
MGK	Vanguard Mega Cap Growth ETF	1.00%
IWP	iShares Russell Mid-Cap Growth ETF	1.00%
IWY	iShares Russell Top 200 Growth ETF	0.99%
QQQN	VictoryShares Nasdaq Next 50 ETF	0.97%
QQQM	Invesco NASDAQ 100 ETF	0.96%
TMFC	Motley Fool 100 Index ETF	0.96%

Size & Style Most Overbought

Ticker	Fund	Price
PWB	Invesco Large Cap Growth ETF	65.98
MBCC	Monarch Blue Chips Core ETF	65.04
WINN	Harbor Long-Term Growers ETF	63.77
ACSI	American Customer Satisfaction ETF	63.47
MMTM	SPDR S&P 1500 Momentum Tilt ETF	63.24
MGK	Vanguard Mega Cap Growth ETF	63.21
IWY	iShares Russell Top 200 Growth ETF	63.04
MTUM	iShares MSCI USA Momentum Factor ETF	63.03
TMFC	Motley Fool 100 Index ETF	62.68
XLG	Invesco S&P 500 Top 50 ETF	62.65

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
XSVM	Invesco S&P SmallCap Value with Momentum ETF	-1.55%
SVAL	iShares US Small Cap Value Factor ETF	-1.44%
FDM	First Trust Dow Jones Select MicroCap Index Fund	-1.43%
SYLD	Cambria Shareholder Yield ETF	-1.38%
XSHQ	Invesco S&P SmallCap Quality ETF	-1.25%
AVUV	Avantis U.S. Small Cap Value ETF	-1.25%
GRPM	Invesco S&P MidCap 400 GARP ETF	-1.15%
FYT	First Trust Small Cap Value AlphaDEX Fund	-1.15%
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	-1.03%
DES	WisdomTree U.S. SmallCap Dividend Fund	-1.02%

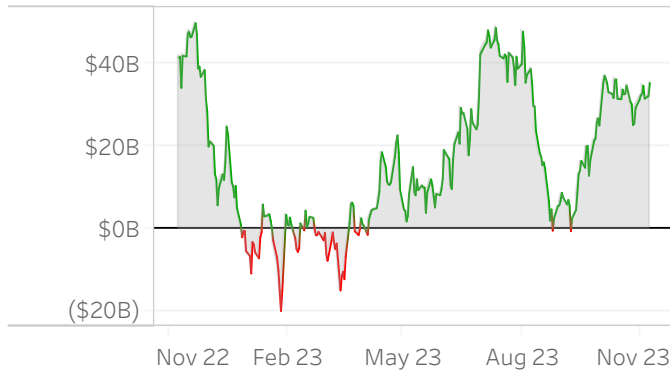
Size & Style Most Oversold

Ticker	Fund	Price
PTMC	Pacer Trendpilot US Mid Cap ETF	36.26
LSAT	Leadershares Alphafactor Tactical Focused ETF	37.51
ALTL	Pacer Lunt Large Cap Alternator ETF	40.10
ONOF	Global X Adaptive U.S. Risk Management ETF	42.96
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	45.24
TMFS	Motley Fool Small-Cap Growth ETF	45.67
FFTY	Innovator IBD 50 ETF	45.77
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	45.87
MGMT	Ballast Small/Mid Cap ETF	46.05
HDV	iShares Core High Dividend ETF	46.96

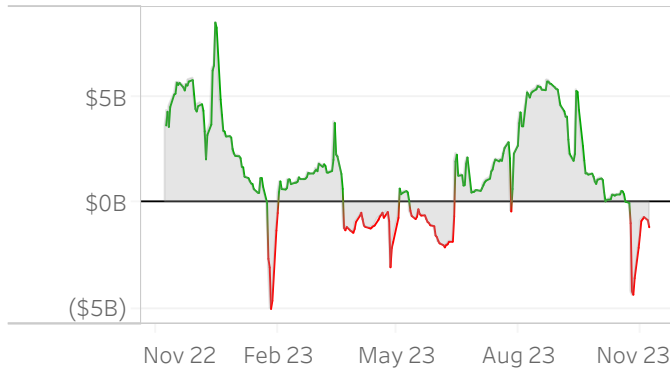
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

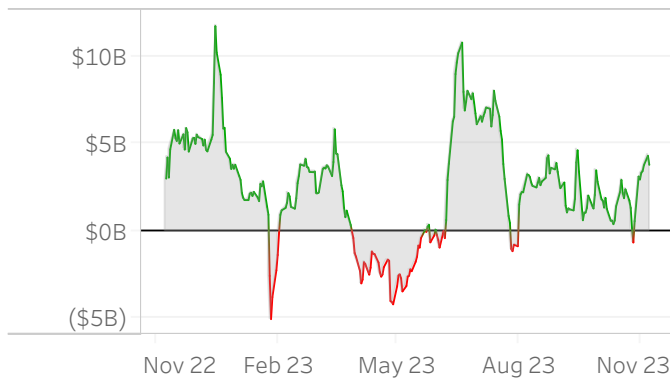
Large-Cap 30-Day Rolling Flows



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	\$1,462B	\$2.00B	\$37.23B	\$78.85B	\$77.44B
Large Cap, Beta, Beta: Growth	10	\$286B	\$1.54B	\$9.00B	\$10.71B	\$18.56B
Large Cap, Beta, Beta: Value	11	\$216B	\$0.16B	\$1.00B	(\$2.15B)	(\$7.67B)
Mid Cap, Beta, Beta	10	\$186B	\$0.10B	\$1.24B	\$6.14B	\$9.88B
Mid Cap, Beta, Beta: Growth	6	\$34B	\$0.26B	(\$0.05B)	\$0.62B	\$0.60B
Mid Cap, Beta, Beta: Value	6	\$36B	(\$0.08B)	(\$0.96B)	(\$1.80B)	(\$2.30B)
Small Cap, Beta, Beta	11	\$191B	\$0.81B	\$2.32B	\$10.70B	\$11.07B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.42B	\$0.57B	\$0.97B	\$1.11B
Small Cap, Beta, Beta: Value	7	\$46B	(\$0.02B)	(\$0.64B)	(\$1.22B)	(\$1.29B)

U.S. Size & Style Flow Leaders

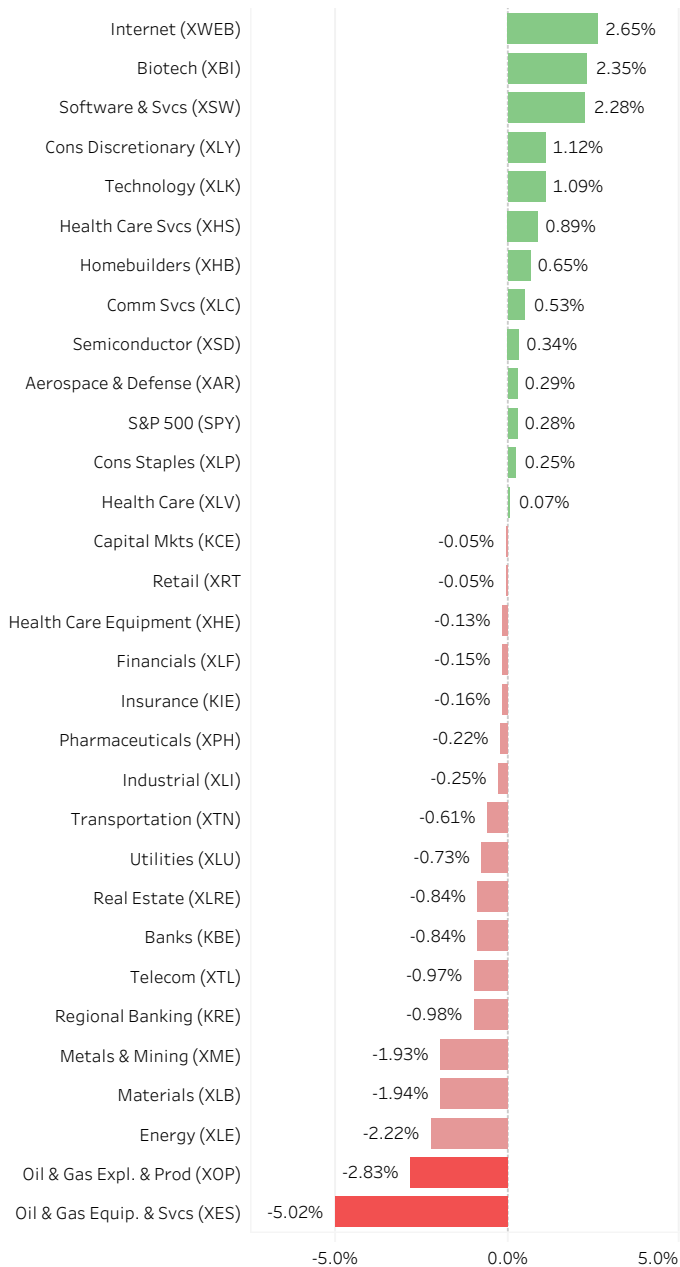
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$2.34B	\$10.24B	\$27.12B	\$33.94B	\$334.77B
IVV	iShares Core S&P 500 ETF	\$0.82B	\$16.31B	\$29.89B	\$24.45B	\$356.05B
QQQ	Invesco QQQ Trust Series I	\$0.67B	\$1.55B	\$4.97B	\$5.06B	\$204.65B
IWF	iShares Russell 1000 Growth ETF	\$0.65B	\$2.59B	\$1.92B	(\$0.29B)	\$72.65B
IWM	iShares Russell 2000 ETF	\$0.49B	\$0.49B	\$3.97B	\$0.76B	\$50.64B
VTI	Vanguard Total Stock Market ETF	\$0.45B	\$5.64B	\$12.12B	\$21.14B	\$310.64B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.44B	(\$0.09B)	(\$0.87B)	(\$2.54B)	\$28.04B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.37B	(\$1.29B)	(\$0.20B)	(\$2.18B)	\$28.27B
SCHG	Schwab U.S. Large-Cap Growth ETF	\$0.36B	\$0.59B	\$0.92B	\$1.93B	\$20.04B
IWO	iShares Russell 2000 Growth ETF	\$0.30B	\$0.46B	\$0.43B	\$0.08B	\$9.33B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTV	Vanguard Value ETF	(\$0.28B)	(\$0.50B)	(\$3.36B)	(\$4.44B)	\$97.09B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.26B)	(\$0.41B)	(\$0.65B)	(\$1.61B)	\$10.69B
IVW	iShares S&P 500 Growth ETF	(\$0.13B)	(\$0.15B)	\$1.56B	\$1.40B	\$34.22B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.11B)	(\$0.37B)	(\$0.55B)	(\$0.39B)	\$17.82B
XMMO	Invesco S&P MidCap Momentum ETF	(\$0.10B)	(\$0.09B)	(\$0.10B)	(\$0.03B)	\$1.01B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.06B)	\$0.50B	\$0.72B	\$0.68B	\$44.18B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.05B)	(\$0.53B)	(\$0.64B)	(\$0.96B)	\$11.64B
FEX	First Trust Large Cap Core AlphaDEX Fund	(\$0.04B)	(\$0.09B)	(\$0.08B)	(\$0.10B)	\$1.02B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.04B)	(\$0.28B)	(\$0.42B)	(\$1.60B)	\$6.20B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.03B)	(\$0.13B)	(\$0.54B)	(\$0.79B)	\$6.44B

* 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	-1.56%	45.12%	1.65%	8.64%	57.10
XLK	Technology Select Sector SPDR Fund	-3.04%	44.23%	3.82%	9.24%	66.45
SPY	SPDR S&P 500 ETF Trust	-4.56%	16.00%	0.78%	2.83%	60.13
XLY	Consumer Discretionary Select Sector SPDR Fund	-8.34%	28.47%	0.21%	3.09%	59.29
XLV	Health Care Select Sector SPDR Fund	-8.39%	4.23%	-1.07%	-2.03%	52.01
XLI	Industrial Select Sector SPDR Fund	-8.73%	4.81%	-1.24%	-1.58%	52.48
XLF	Financial Select Sector SPDR Fund	-9.11%	8.55%	0.46%	0.00%	58.16
XLE	Energy Select Sector SPDR Fund	-10.24%	9.41%	-6.03%	-1.13%	36.60
XLB	Materials Select Sector SPDR Fund	-10.31%	3.25%	-2.48%	-4.21%	47.80
XLP	Consumer Staples Select Sector SPDR Fund	-10.93%	4.24%	-0.36%	-5.39%	56.66
XLU	Utilities Select Sector SPDR Fund	-15.71%	9.01%	0.83%	-5.97%	57.02
XLRE	Real Estate Select Sector SPDR Fund	-17.91%	6.68%	-0.90%	-6.57%	53.73

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	2.35%
XSW	SPDR S&P Software & Services ETF	2.28%
IGV	iShares Expanded Tech-Software Sector ETF	2.02%
FDN	First Trust Dow Jones Internet Index Fund	2.01%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	1.99%
PTF	Invesco Dorsey Wright Technology Momentum ETF	1.77%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	1.76%
PNQI	Invesco NASDAQ Internet ETF	1.48%
FXL	First Trust Technology AlphaDEX Fund	1.47%
XNTK	SPDR NYSE Technology ETF	1.42%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLK	Technology Select Sector SPDR Fund	66.45
ITA	iShares U.S. Aerospace & Defense ETF	65.25
PKB	Invesco Building & Construction ETF	65.19
FTEC	Fidelity MSCI Information Technology Index ETF	64.87
ITB	iShares U.S. Home Construction ETF	64.70
XAR	SPDR S&P Aerospace & Defense ETF	64.35
VGT	Vanguard Information Technology ETF	64.01
PNQI	Invesco NASDAQ Internet ETF	63.71
XNTK	SPDR NYSE Technology ETF	63.20
IETC	iShares U.S. Tech Independence Focused ETF	63.06

Sector & Industry 1 Day Performance Laggards

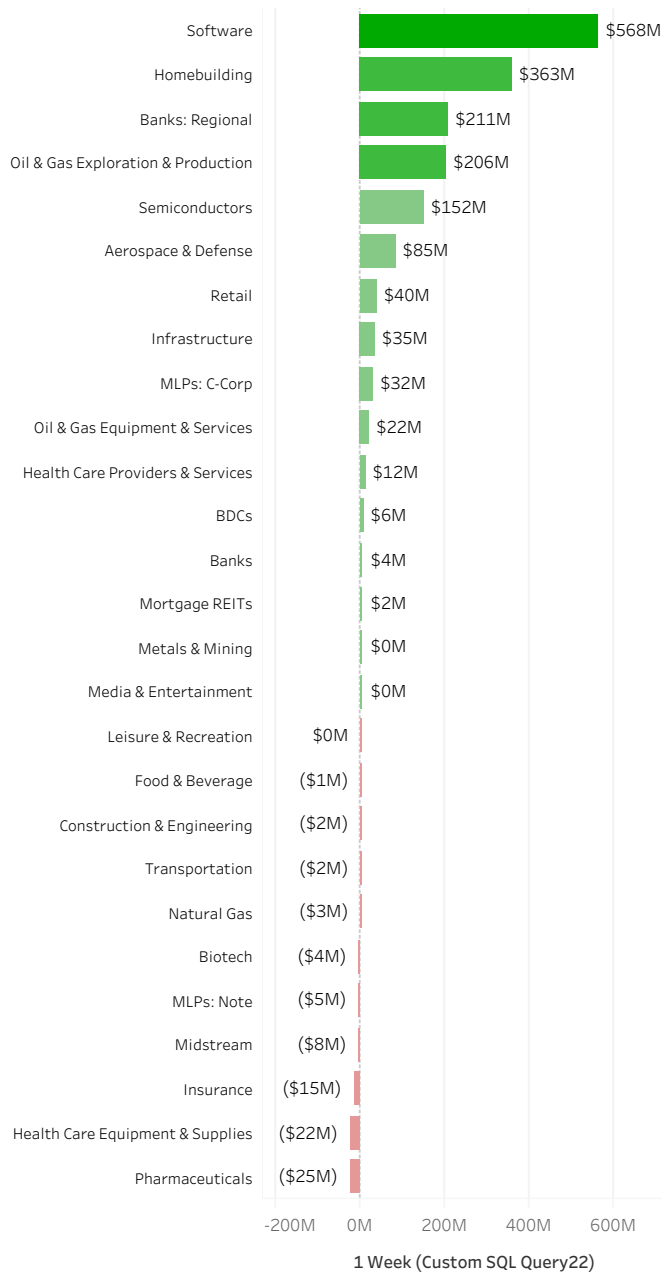
Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-5.02%
IEZ	iShares U.S. Oil Equipment & Services ETF	-4.40%
PXJ	Invesco Oil & Gas Services ETF	-4.35%
PSCE	Invesco S&P SmallCap Energy ETF	-4.03%
PXI	Invesco Dorsey Wright Energy Momentum ETF	-3.91%
FCG	First Trust Natural Gas ETF	-3.10%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-2.83%
PXE	Invesco Energy Exploration & Production ETF	-2.70%
FXN	First Trust Energy AlphaDEX Fund	-2.65%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-2.62%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XES	SPDR S&P Oil & Gas Equipment & Services ETF	30.90
PSCE	Invesco S&P SmallCap Energy ETF	31.63
IEZ	iShares U.S. Oil Equipment & Services ETF	33.40
PXI	Invesco Dorsey Wright Energy Momentum ETF	33.71
VDE	Vanguard Energy ETF	36.33
IYE	iShares U.S. Energy ETF	36.43
XLE	Energy Select Sector SPDR Fund	36.60
FENY	Fidelity MSCI Energy Index ETF	36.63
PXJ	Invesco Oil & Gas Services ETF	36.98
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	37.25

* 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	\$105M	(\$626M)	\$1,066M	\$2,226M
Consumer Discretionary	12	\$25B	\$30M	(\$426M)	\$865M	\$992M
Consumer Staples	10	\$26B	(\$138M)	(\$2,572M)	(\$3,074M)	(\$594M)
Energy	31	\$75B	\$345M	\$3,404M	\$372M	(\$7,594M)
Financials	26	\$52B	\$402M	(\$6,396M)	(\$3,983M)	(\$4,079M)
Health Care	23	\$81B	(\$8M)	(\$3,699M)	(\$4,994M)	(\$7,202M)
Industrial	13	\$32B	(\$144M)	(\$1,439M)	\$786M	\$2,017M
Materials	9	\$11B	(\$99M)	(\$1,257M)	(\$2,247M)	(\$1,818M)
Multi-Sector	18	\$17B	\$353M	(\$523M)	\$2,216M	\$2,042M
Real Estate	25	\$51B	(\$167M)	(\$796M)	(\$118M)	(\$3,103M)
Technology	23	\$151B	\$888M	\$2,318M	\$2,412M	\$2,138M
Utilities	9	\$21B	\$159M	(\$1,107M)	(\$1,513M)	(\$1,340M)

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	\$561M	\$111M	\$593M	\$332M	\$6,575M
XLF	Financial Select Sector SPDR Fund	\$283M	(\$4,469M)	(\$1,887M)	(\$1,638M)	\$29,258M
XHB	SPDR S&P Homebuilders ETF	\$259M	\$77M	\$390M	\$345M	\$1,425M
KRE	SPDR S&P Regional Banking ETF	\$211M	(\$225M)	(\$654M)	\$346M	\$2,765M
XLU	Utilities Select Sector SPDR Fund	\$211M	(\$300M)	(\$669M)	(\$252M)	\$13,999M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$207M	\$74M	(\$113M)	(\$1,211M)	\$3,876M
SOXX	iShares Semiconductor ETF	\$162M	\$249M	\$282M	\$508M	\$8,657M
XBI	SPDR S&P BIOTECH ETF	\$115M	\$96M	(\$56M)	(\$805M)	\$5,653M
ITB	iShares U.S. Home Construction ETF	\$103M	(\$359M)	(\$56M)	\$212M	\$1,922M
XLC	Communication Services Select Sector SPDR Fu..	\$97M	(\$491M)	\$914M	\$2,037M	\$13,860M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	(\$212M)	(\$1,005M)	\$741M	\$260M	\$14,080M
VNQ	Vanguard Real Estate ETF	(\$166M)	(\$897M)	(\$594M)	(\$1,908M)	\$29,266M
IBB	iShares Biotechnology ETF	(\$112M)	(\$358M)	(\$610M)	(\$1,196M)	\$6,613M
XLB	Materials Select Sector SPDR Fund	(\$80M)	(\$487M)	(\$338M)	(\$137M)	\$5,331M
XLP	Consumer Staples Select Sector SPDR Fund	(\$69M)	(\$653M)	(\$977M)	\$707M	\$15,960M
FDN	First Trust Dow Jones Internet Index Fund	(\$44M)	(\$616M)	\$667M	\$41M	\$4,945M
VPU	Vanguard Utilities ETF	(\$37M)	(\$333M)	(\$98M)	(\$237M)	\$4,682M
VFH	Vanguard Financials ETF	(\$34M)	(\$980M)	(\$302M)	(\$975M)	\$7,533M
VDC	Vanguard Consumer Staples ETF	(\$32M)	(\$424M)	(\$196M)	(\$83M)	\$6,218M
IYC	iShares U.S. Consumer Discretionary ETF	(\$30M)	(\$33M)	\$44M	\$6M	\$771M

* 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



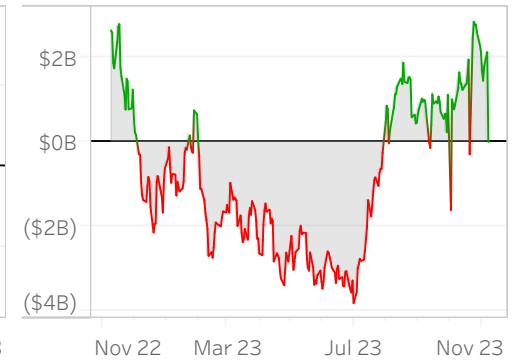
Consumer Discretionary



Consumer Staples



Energy



Financials



Industrial



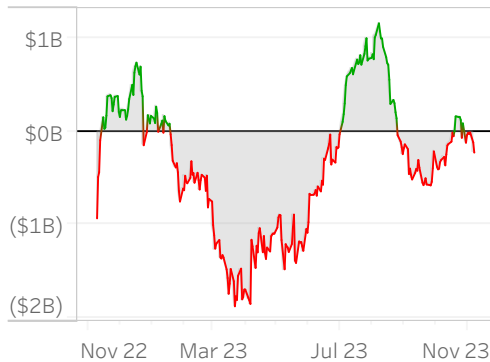
Health Care



Materials



Real Estate



Technology



Utilities

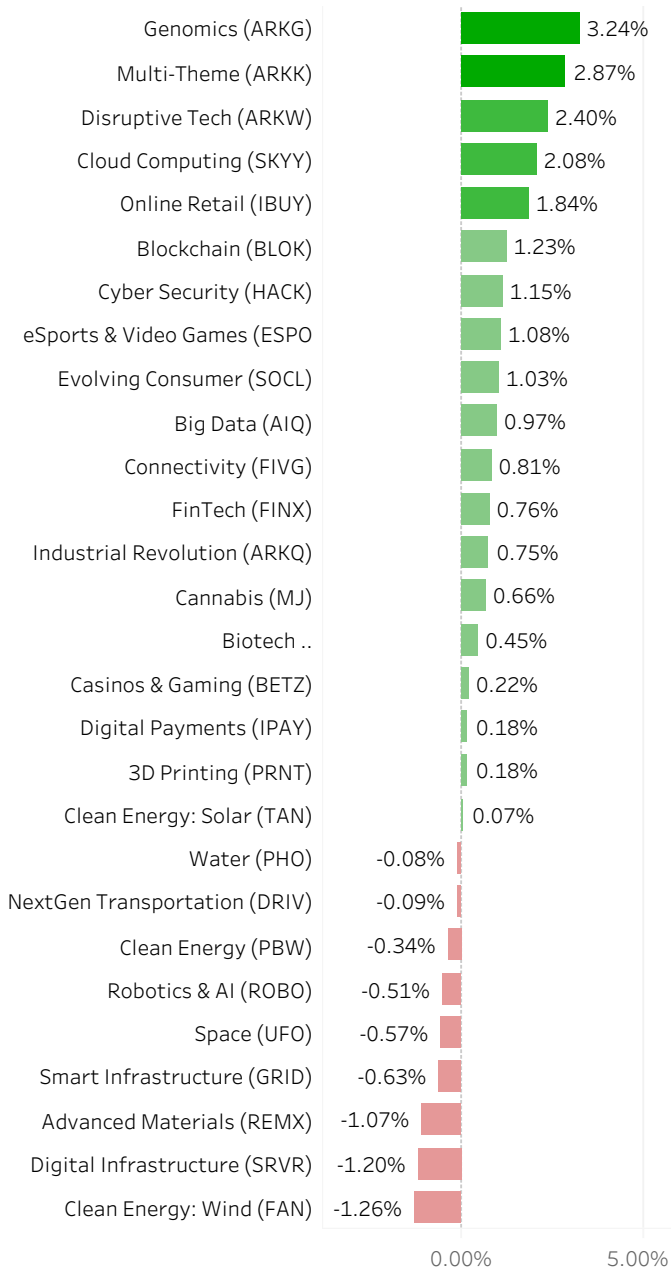


Multi-Sector

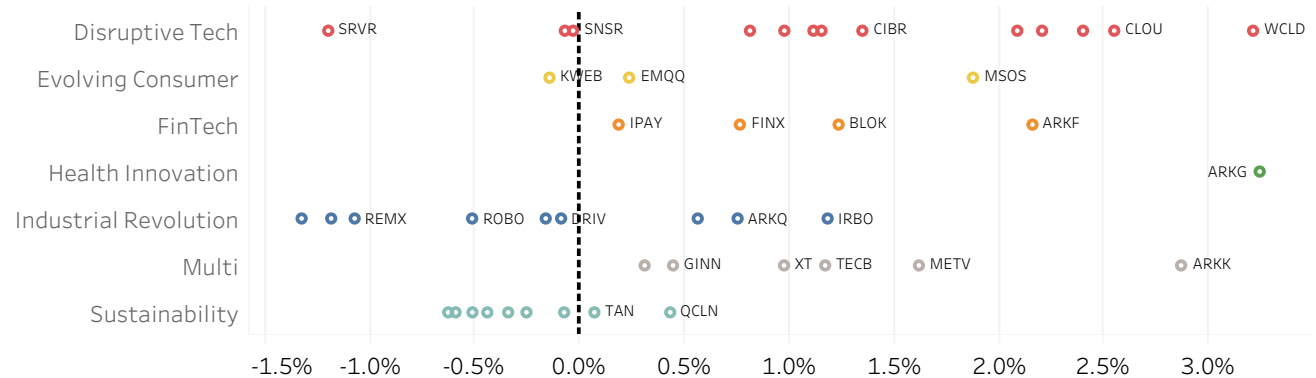


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
GNOM	Global X Genomics & Biotechnology ETF	3.72%
ARKG	ARK Genomic Revolution ETF	3.24%
WCLD	WisdomTree Cloud Computing Fund	3.21%
ARKK	ARK Innovation ETF	2.87%
CLOU	Global X Cloud Computing ETF	2.55%
ARKW	ARK Next Generation Internet ETF	2.40%
THNQ	ROBO Global Artificial Intelligence ETF	2.31%
BUG	Global X Cybersecurity ETF	2.20%
ARKF	ARK Fintech Innovation ETF	2.16%
XITK	SPDR FactSet Innovative Technology ETF	2.11%

Thematic Most Overbought

Ticker	Fund	Price
BLOK	Amplify Transformational Data Sharing ETF	66.21
ARKW	ARK Next Generation Internet ETF	64.97
METV	Roundhill Ball Metaverse ETF	64.91
ESPO	VanEck Video Gaming and eSports ETF	63.20
AIQ	Global X Artificial Intelligence & Technology ETF	63.19
BITQ	Bitwise Crypto Industry Innovators ETF	62.84
GBUY	Goldman Sachs Future Consumer Equity ETF	62.52
ARKF	ARK Fintech Innovation ETF	62.21
HERO	Global X Video Games & Esports ETF	62.20
NXTG	First Trust Indxx NextG ETF	62.19

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
BATT	Amplify Lithium & Battery Technology ETF	-2.18%
PBD	Invesco Global Clean Energy ETF	-1.67%
KARS	KraneShares Electric Vehicles & Future Mobility Index ..	-1.61%
ERTH	Invesco MSCI Sustainable Future ETF	-1.39%
LIT	Global X Lithium & Battery Tech ETF	-1.33%
FAN	First Trust Global Wind Energy ETF	-1.26%
CTEC	Global X CleanTech ETF	-1.26%
SRVR	Pacer Data & Infrastructure Real Estate ETF	-1.20%
IDRV	iShares Self-driving EV & Tech ETF	-1.19%
REMX	VanEck Rare Earth/Strategic Metals ETF	-1.07%

Thematic Most Oversold

Ticker	Fund	Price
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	38.02
REMX	VanEck Rare Earth/Strategic Metals ETF	38.58
PBW	Invesco WilderHill Clean Energy ETF	39.94
ACES	ALPS Clean Energy ETF	41.19
LIT	Global X Lithium & Battery Tech ETF	41.27
CTEC	Global X CleanTech ETF	41.34
TAN	Invesco Solar ETF	41.60
MJUS	ETFMG U.S. Alternative Harvest ETF	43.13
MSOS	AdvisorShares Pure US Cannabis ETF	43.58
ICLN	iShares Global Clean Energy ETF	43.81

* 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	\$159M
LIT	Global X Lithium & Battery Tech ETF	\$29M
FMIL	Fidelity New Millennium ETF	\$15M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$11M
THNQ	ROBO Global Artificial Intelligence ETF	\$11M
KWEB	KraneShares CSI China Internet ETF	\$9M
AIQ	Global X Artificial Intelligence & Technology ETF	\$7M
ARKG	ARK Genomic Revolution ETF	\$7M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$7M
SRVR	Pacer Data & Infrastructure Real Estate ETF	\$4M

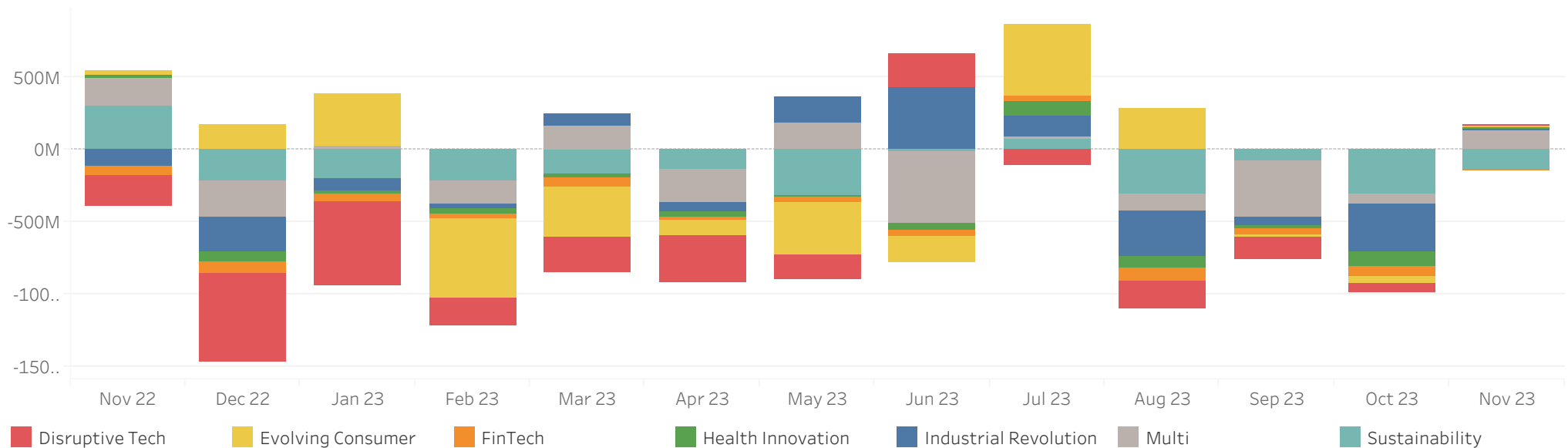
Thematic 1 Week Flow Laggards

Ticker	Fund	
ICLN	iShares Global Clean Energy ETF	(\$53M)
TAN	Invesco Solar ETF	(\$28M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$27M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$18M)
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	(\$12M)
TECB	iShares U.S. Tech Breakthrough Multisector ETF	(\$11M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$10M)
FIW	First Trust Water ETF	(\$8M)
BUG	Global X Cybersecurity ETF	(\$7M)
TARK	AXS 2X Innovation ETF	(\$7M)

Thematic Landscape Assets & Flows

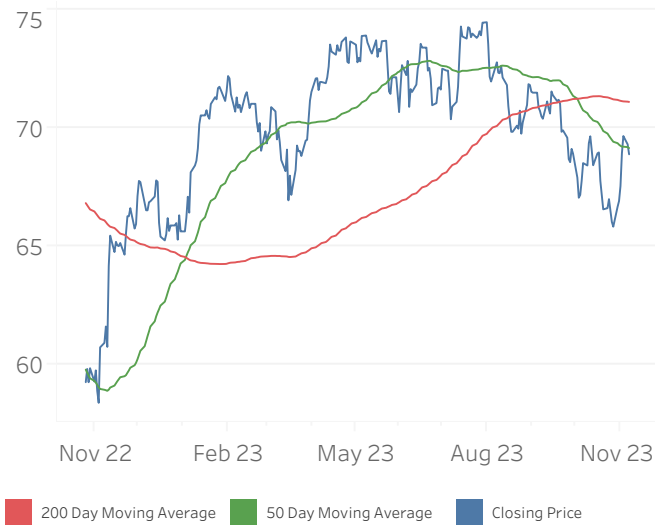
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$16B	\$12M	(\$386M)	(\$369M)	(\$2,598M)
Evolving Consumer	39	\$8B	(\$1M)	(\$122M)	\$409M	(\$266M)
FinTech	17	\$2B	(\$1M)	(\$186M)	(\$213M)	(\$539M)
Health Innovation	18	\$2B	\$7M	(\$189M)	(\$144M)	(\$365M)
Industrial Revolution	30	\$10B	\$12M	(\$537M)	\$132M	(\$366M)
Multi	36	\$14B	\$135M	(\$176M)	(\$762M)	(\$1,029M)
Sustainability	40	\$12B	(\$77M)	(\$787M)	(\$1,014M)	(\$1,758M)
Grand Total	214	\$64B	\$87M	(\$2,382M)	(\$1,960M)	(\$6,921M)

Thematic Monthly Flows

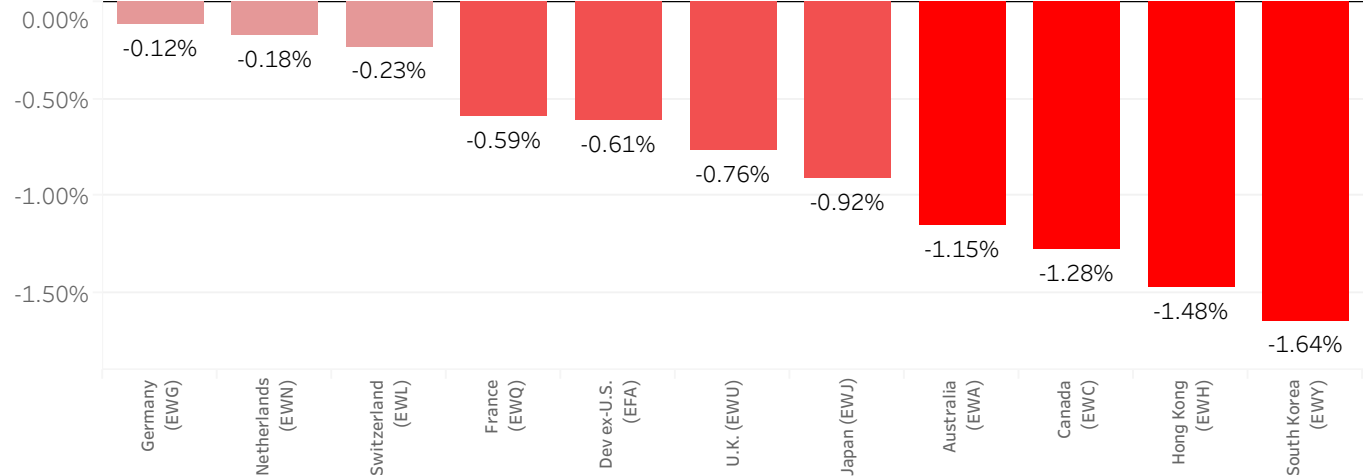


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

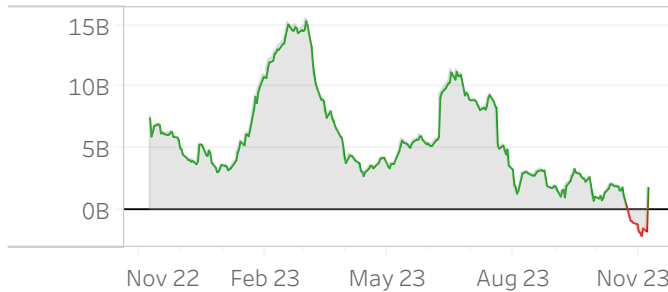
Developed ex-U.S. (EFA)



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



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



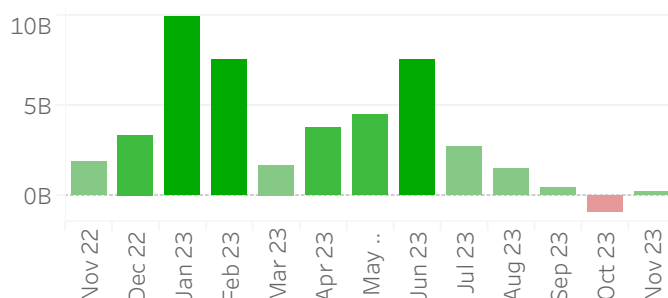
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIS	iShares MSCI Israel ETF	1.60%
ISRA	VanEck Israel ETF	1.35%
IHDG	WisdomTree International Hedged Quality Dividend Growth ..	0.15%
TOK	iShares MSCI Korusai ETF	0.13%
EIRL	iShares MSCI Ireland ETF	0.06%
MINV	Matthews Asia Innovators Active ETF	-0.09%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	-0.09%
EWG	iShares MSCI Germany ETF	-0.12%
FICS	First Trust International Developed Capital Strength ETF	-0.13%
IQDG	WisdomTree International Quality Dividend Growth Fund	-0.14%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
BKCI	BNY Mellon Concentrated International ETF	63.49
GREK	Global X MSCI Greece ETF	63.32
EWY	iShares MSCI South Korea ETF	61.67
FLKR	Franklin FTSE South Korea ETF	61.38
AIA	iShares Asia 50 ETF	60.84
EWN	iShares MSCI Netherlands ETF	60.40
EIS	iShares MSCI Israel ETF	59.36
HEWJ	iShares Currency Hedged MSCI Japan ETF	59.32
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	59.32
AAXJ	iShares MSCI All Country Asia ex Japan ETF	59.16

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
NORW	Global X MSCI Norway ETF	-2.65%
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	-1.90%
FLKR	Franklin FTSE South Korea ETF	-1.71%
EWY	iShares MSCI South Korea ETF	-1.64%
FYLD	Cambria Foreign Shareholder Yield ETF	-1.51%
EWH	iShares MSCI Hong Kong ETF	-1.48%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-1.37%
FLCA	Franklin FTSE Canada ETF	-1.35%
FDD	First Trust Stoxx European Select Dividend Index Fund	-1.30%
EWO	iShares MSCI Austria ETF	-1.29%

Developed ex-U.S. Most Oversold

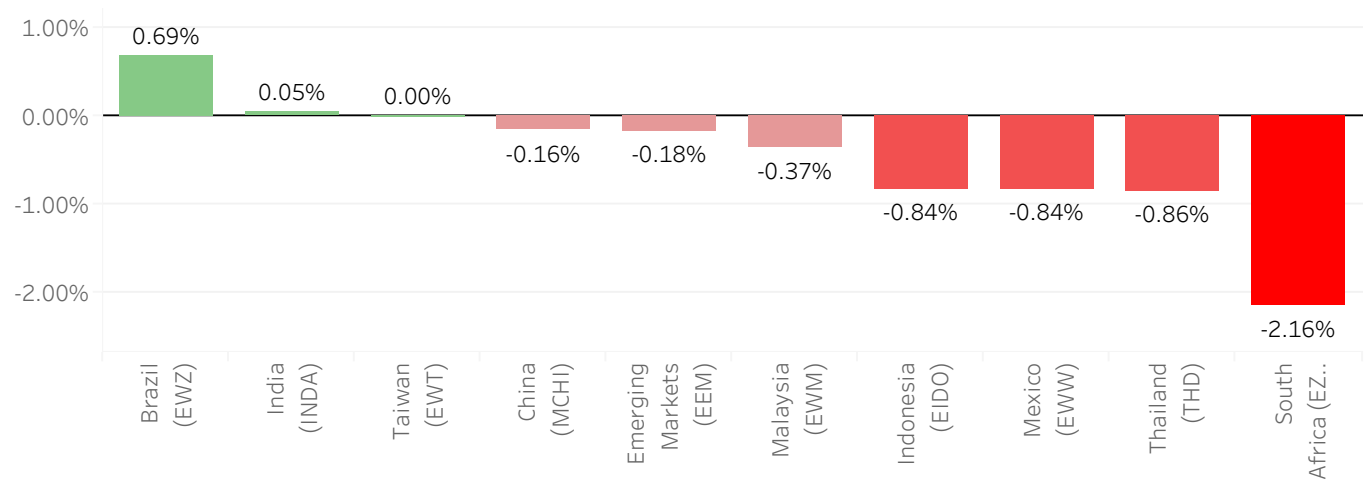
Ticker	Fund	Price
NORW	Global X MSCI Norway ETF	39.54
ICOW	Pacer Developed Markets International Cash Cows 1..	43.87
FYLD	Cambria Foreign Shareholder Yield ETF	47.13
IVAL	Alpha Architect International Quantitative Value ETF	47.78
DFIV	Dimensional International Value ETF	47.96
PTIN	Pacer Trendpilot International ETF	47.97
DTH	WisdomTree International High Dividend Fund	48.05
FDD	First Trust Stoxx European Select Dividend Index Fu..	48.13
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	48.71
EWL	iShares MSCI Switzerland ETF	48.84

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

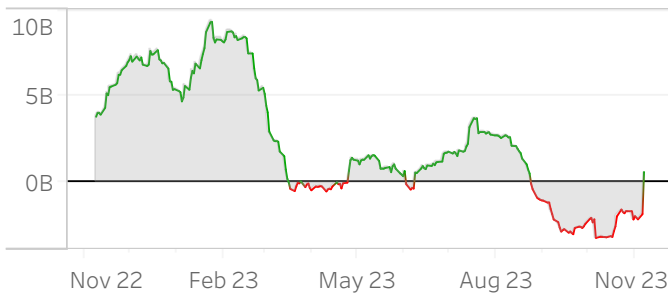
Emerging (EEM)



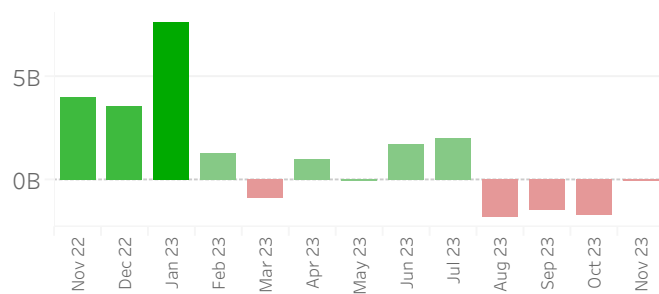
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	1.72%
FLN	First Trust Latin America AlphaDEX Fund	1.34%
FLBR	Franklin FTSE Brazil ETF	0.80%
ECH	iShares MSCI Chile ETF	0.71%
EPHE	iShares MSCI Philippines ETF	0.70%
EWZ	iShares MSCI Brazil ETF	0.69%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.41%
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	0.33%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	0.32%
GLIN	VanEck India Growth Leaders ETF	0.30%

Emerging Most Overbought

Ticker	Fund	Value
EWM	iShares MSCI Malaysia ETF	69.85
FLN	First Trust Latin America AlphaDEX Fund	66.68
ILF	iShares Latin America 40 ETF	66.43
EPOL	iShares MSCI Poland ETF	65.97
FLLA	Franklin FTSE Latin America ETF	65.59
FLBR	Franklin FTSE Brazil ETF	65.43
EWZ	iShares MSCI Brazil ETF	65.03
FRDM	Freedom 100 Emerging Markets ETF	64.34
EELV	Invesco S&P Emerging Markets Low Volatility ETF	64.29
EWW	iShares MSCI Mexico ETF	63.83

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EZA	iShares MSCI South Africa ETF	-2.16%
EPU	iShares MSCI Peru and Global Exposure ETF	-1.31%
EPOL	iShares MSCI Poland ETF	-1.17%
PGJ	Invesco Golden Dragon China ETF	-0.95%
THD	iShares MSCI Thailand ETF	-0.86%
EWW	iShares MSCI Mexico ETF	-0.84%
EIDO	iShares MSCI Indonesia ETF	-0.84%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.80%
DFEV	Dimensional Emerging Markets Value ETF	-0.61%
DEM	WisdomTree Emerging Markets High Dividend Fund	-0.60%

Emerging Most Oversold

Ticker	Fund	Value
VNM	VanEck Vietnam ETF	45.82
TUR	iShares MSCI Turkey ETF	46.70
RAYC	Rayliant Quantamental China Equity ETF	47.04
EPU	iShares MSCI Peru and Global Exposure ETF	47.07
KWT	iShares MSCI Kuwait ETF	47.97
INDY	iShares India 50 ETF	48.97
PGJ	Invesco Golden Dragon China ETF	49.39
PIN	Invesco India ETF	50.38
EIDO	iShares MSCI Indonesia ETF	50.79
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	51.47

*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	0.53%	1.88%	-0.28%
SHY	1-3 Year Treasury Bonds	0.07%	0.67%	2.36%
IEF	7-10 Year Treasury Bonds	0.57%	2.00%	-2.03%
TLT	20+ Year Treasury Bonds	1.47%	4.21%	-9.05%
TIP	TIPS Bonds	0.27%	2.53%	0.44%
FLOT	Floating Rate Bonds	0.00%	0.38%	5.44%
LQD	Investment Grade Corporate	0.80%	2.57%	0.29%
HYG	High Yield Corporate	0.01%	2.51%	5.82%
BKLN	Senior Loan	0.14%	1.11%	9.89%
PFF	Preferred & Income Securities	-0.27%	3.61%	2.90%
MUB	Municipal Bonds	0.65%	1.88%	0.03%
MBB	MBS	0.67%	2.16%	-1.33%
EMB	Dollar Denominated EM Bonds	0.34%	3.39%	2.40%
LEMB	Local Currency EM Bond	-0.06%	3.36%	1.99%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.91%	1.37%	-5.61%
DBE	Energy	-3.62%	-0.23%	-4.46%
USO	WTI Crude Oil	-4.15%	-3.18%	2.41%
BNO	Brent Crude Oil	-4.07%	-1.46%	2.40%
UNG	Natural Gas	-3.08%	-14.60%	-53.12%
UGA	Gasoline	-3.17%	-0.06%	2.82%
DBP	Precious Metals	-0.73%	7.25%	4.31%
GLD	Gold	-0.41%	7.60%	7.63%
SLV	Silver	-1.66%	5.07%	-5.86%
PPLT	abrdn Physical Platin..	-1.41%	1.59%	-16.98%
PALL	abrdn Physical Palla..	-4.69%	-8.51%	-40.90%
DBB	Base Metals	0.00%	2.34%	-3.34%
CPER	Copper	-0.82%	2.23%	-0.61%
DBA	Agriculture	-1.34%	2.69%	9.98%
CORN	Corn	-1.39%	-3.39%	-18.42%
SOYB	Soybeans	-0.32%	5.41%	-0.46%
WEAT	Wheat	-0.52%	-0.52%	-27.82%
CANE	Sugar	-1.42%	2.69%	60.13%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.34%	0.00%	6.94%
UDN	Short Dollar	-0.16%	0.87%	0.32%
FXE	Euro	-0.23%	1.17%	1.24%
FXB	British Pound Sterling	-0.30%	0.77%	4.30%
FXF	Swiss Franc	-0.18%	1.00%	2.39%
FXJ	Japanese Yen	-0.31%	-0.80%	-13.18%
FXC	Canadian Dollar	-0.50%	-0.51%	0.13%
FXA	Australian Dollar	-0.86%	0.79%	-4.65%

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