

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

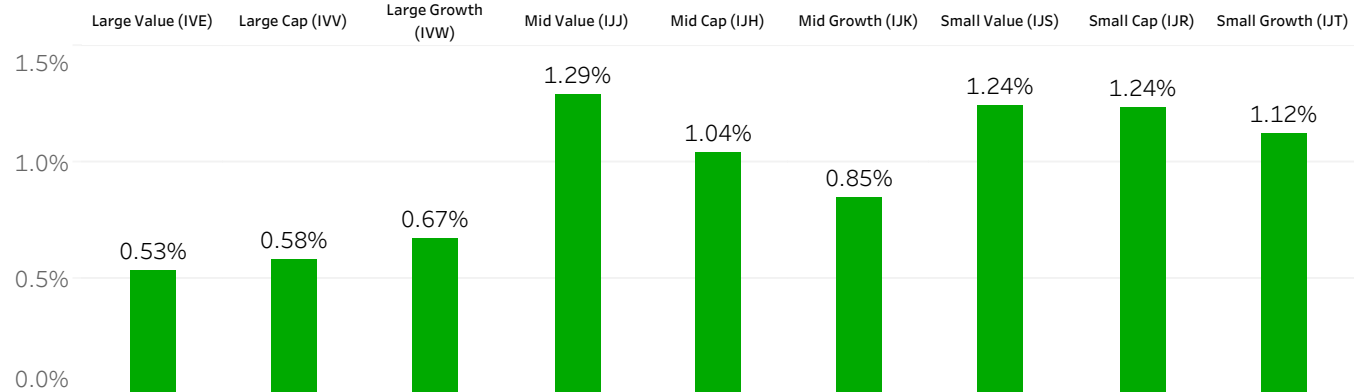


Small Cap Blend (S&P 600) IJR



■ 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
CALF	Pacer US Small Cap Cash Cows 100 ETF	2.23%
XMMO	Invesco S&P MidCap Momentum ETF	2.09%
RFV	Invesco S&P Midcap 400 Pure Value ETF	1.96%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	1.84%
IPO	Renaissance IPO ETF	1.60%
QMOM	Momentumshares US Quantitative Momentum ETF	1.57%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	1.55%
RWK	Invesco S&P MidCap 400 Revenue ETF	1.45%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	1.44%
MDYV	SPDR S&P 400 Mid Cap Value ETF	1.42%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	59.37
QVAL	Alpha Architect US Quantitative Value ETF	56.35
XSVM	Invesco S&P SmallCap Value with Momentum ETF	54.34
CALF	Pacer US Small Cap Cash Cows 100 ETF	53.81
SIXS	ETC 6 Meridian Small Cap Equity ETF	52.07
XMMO	Invesco S&P MidCap Momentum ETF	51.45
SYLD	Cambria Shareholder Yield ETF	50.73
XSMO	Invesco S&P SmallCap Momentum ETF	49.11
MGMT	Ballast Small/Mid Cap ETF	48.78
XSHQ	Invesco S&P SmallCap Quality ETF	48.69

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
HDV	iShares Core High Dividend ETF	-0.02%
CDL	VictoryShares US Large Cap High Dividend Volatility Wt..	0.00%
EDOW	First Trust Dow 30 Equal Weight ETF	0.00%
SPLV	Invesco S&P 500 Low Volatility ETF	0.02%
FVD	First Trust Value Line Dividend Index Fund	0.03%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	0.04%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.07%
DVY	iShares Select Dividend ETF	0.08%
USMV	iShares MSCI USA Min Vol Factor ETF	0.15%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	0.17%

Size & Style Most Oversold

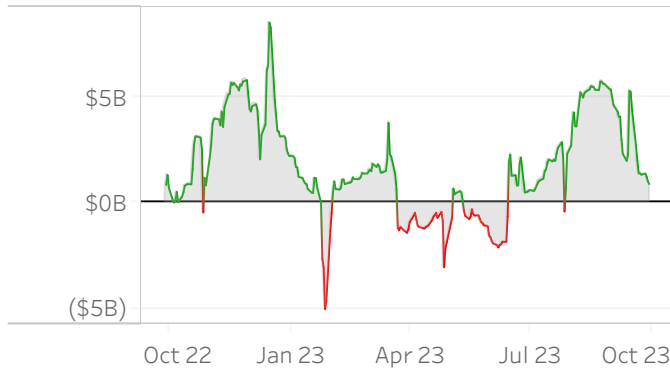
Ticker	Fund	Price
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	22.97
FVD	First Trust Value Line Dividend Index Fund	23.88
SDY	SPDR S&P Dividend ETF	24.83
DVY	iShares Select Dividend ETF	25.78
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	25.83
EDOW	First Trust Dow 30 Equal Weight ETF	25.88
DJD	Invesco Dow Jones Industrial Average Dividend ETF	26.21
CDL	VictoryShares US Large Cap High Dividend Volatility ..	26.52
SPLV	Invesco S&P 500 Low Volatility ETF	27.74
VOOV	Vanguard S&P 500 Value ETF	27.77

\*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	\$1,412B	\$8.45B	\$36.43B	\$71.05B	\$77.25B
Large Cap, Beta, Beta: Growth	10	\$270B	\$0.76B	\$3.29B	\$5.46B	\$17.00B
Large Cap, Beta, Beta: Value	11	\$215B	(\$0.60B)	\$1.43B	(\$4.02B)	(\$4.92B)
Mid Cap, Beta, Beta	10	\$188B	(\$0.10B)	\$6.13B	\$6.71B	\$11.86B
Mid Cap, Beta, Beta: Growth	6	\$34B	(\$0.04B)	\$0.20B	\$0.82B	\$0.86B
Mid Cap, Beta, Beta: Value	6	\$37B	\$0.01B	(\$0.54B)	(\$1.29B)	(\$0.93B)
Small Cap, Beta, Beta	11	\$193B	\$2.47B	\$4.37B	\$7.88B	\$11.74B
Small Cap, Beta, Beta: Growth	7	\$32B	\$0.08B	\$0.28B	\$0.62B	\$1.14B
Small Cap, Beta, Beta: Value	7	\$46B	(\$0.22B)	(\$0.49B)	(\$1.54B)	(\$0.54B)

### U.S. Size & Style Flow Leaders

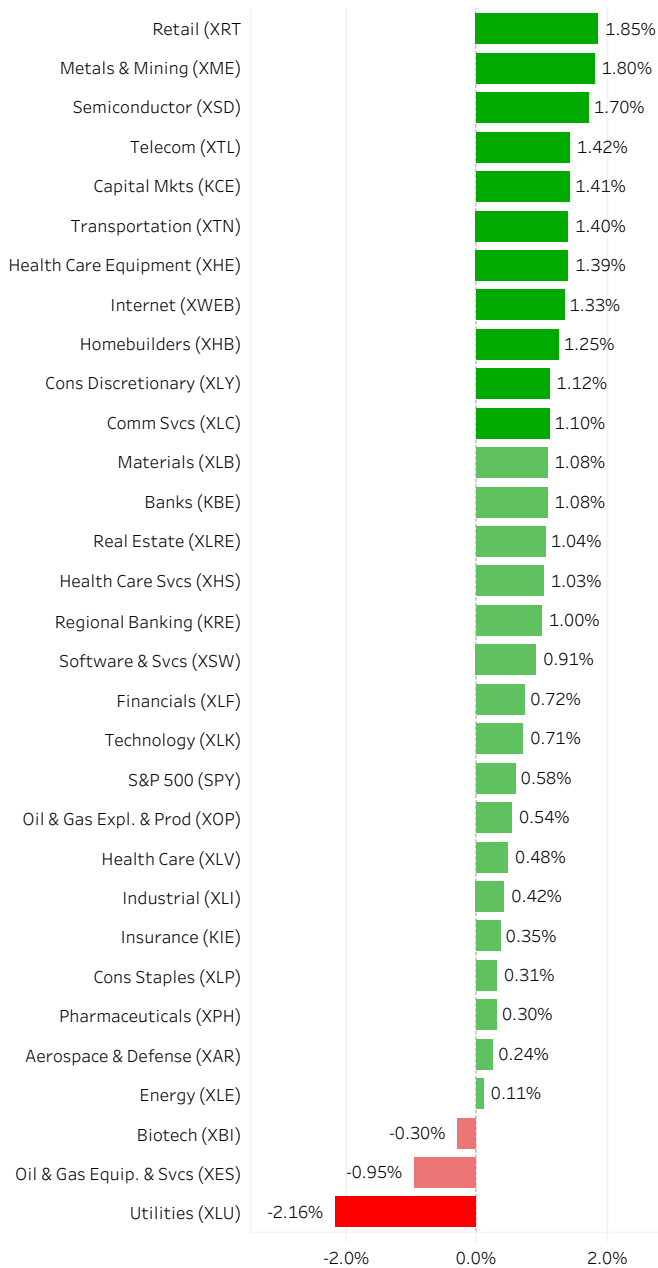
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$6.17B	(\$1.75B)	\$11.64B	\$10.36B	\$402.31B
IWM	iShares Russell 2000 ETF	\$2.26B	\$1.20B	\$2.40B	\$1.59B	\$52.66B
IVV	iShares Core S&P 500 ETF	\$1.46B	\$18.93B	\$19.93B	\$19.71B	\$338.68B
IWF	iShares Russell 1000 Growth ETF	\$0.86B	(\$0.03B)	\$0.08B	(\$0.31B)	\$68.67B
VTI	Vanguard Total Stock Market ETF	\$0.78B	\$4.84B	\$11.12B	\$20.72B	\$302.98B
VOO	Vanguard S&P 500 ETF	\$0.43B	\$12.46B	\$25.73B	\$33.31B	\$323.21B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.32B	(\$0.31B)	(\$0.54B)	(\$1.61B)	\$28.16B
QQQ	Invesco QQQ Trust Series I	\$0.29B	\$3.72B	\$5.71B	\$0.39B	\$195.88B
DGRW	WisdomTree US Quality Dividend Growth Fund	\$0.23B	\$0.79B	\$1.45B	\$2.15B	\$9.61B
SCHD	Schwab US Dividend Equity ETF	\$0.17B	\$1.23B	\$2.66B	\$10.61B	\$47.47B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWD	iShares Russell 1000 Value ETF	(\$0.81B)	(\$1.19B)	(\$2.41B)	(\$5.03B)	\$48.00B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.62B)	(\$0.89B)	(\$0.69B)	(\$1.52B)	\$27.92B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.39B)	(\$0.34B)	\$2.52B	\$9.05B	\$30.56B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.14B)	(\$0.47B)	(\$0.87B)	(\$1.81B)	\$8.23B
IWB	iShares Russell 1000 ETF	(\$0.13B)	(\$0.52B)	(\$0.36B)	(\$0.55B)	\$28.95B
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.11B)	(\$0.20B)	(\$0.46B)	(\$1.59B)	\$10.72B
IWN	iShares Russell 2000 Value ETF	(\$0.11B)	(\$0.60B)	(\$0.96B)	(\$1.23B)	\$10.28B
VBR	Vanguard Small Cap Value ETF	(\$0.11B)	\$0.18B	\$0.00B	\$0.93B	\$23.82B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.10B)	\$0.00B	(\$0.27B)	\$0.15B	\$18.38B
QQQM	Invesco NASDAQ 100 ETF	(\$0.09B)	\$0.96B	\$4.27B	\$7.36B	\$14.03B

\* 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)
XLE	Energy Select Sector SPDR Fund	-1.95%	20.45%	3.71%	8.69%	59.30
XLC	Communication Services Select Sector SPDR Fund	-4.17%	45.21%	-1.33%	9.54%	45.44
SPY	SPDR S&P 500 ETF Trust	-6.39%	20.18%	-3.66%	2.04%	34.39
XLV	Health Care Select Sector SPDR Fund	-7.41%	6.42%	-2.68%	-1.67%	36.91
XLI	Industrial Select Sector SPDR Fund	-7.97%	20.27%	-4.64%	-0.72%	34.58
XLB	Materials Select Sector SPDR Fund	-8.21%	15.40%	-4.18%	-2.64%	37.13
XLK	Technology Select Sector SPDR Fund	-9.37%	40.16%	-4.39%	5.67%	36.23
XLF	Financial Select Sector SPDR Fund	-9.51%	10.53%	-3.04%	-1.43%	36.51
XLY	Consumer Discretionary Select Sector SPDR Fund	-9.52%	26.83%	-4.86%	3.75%	36.27
XLP	Consumer Staples Select Sector SPDR Fund	-10.95%	2.19%	-5.46%	-6.58%	27.12
XLRE	Real Estate Select Sector SPDR Fund	-18.84%	1.04%	-7.56%	-9.33%	27.60
XLU	Utilities Select Sector SPDR Fund	-19.04%	0.00%	-8.19%	-11.83%	22.95

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSCT	Invesco S&P SmallCap Information Technology ETF	1.95%
PSI	Invesco Semiconductors ETF	1.91%
XRT	SPDR S&P Retail ETF	1.85%
SOXX	iShares Semiconductor ETF	1.85%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	1.81%
XME	SPDR S&P Metals & Mining ETF	1.80%
FTXL	First Trust Nasdaq Semiconductor ETF	1.78%
PTF	Invesco Dorsey Wright Technology Momentum ETF	1.78%
IHI	iShares U.S. Medical Devices ETF	1.74%
XSD	SPDR S&P Semiconductor ETF	1.70%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PXI	Invesco Dorsey Wright Energy Momentum ETF	61.84
BIZD	VanEck BDC Income ETF	60.64
AMLP	Alerian MLP ETF	59.72
FENY	Fidelity MSCI Energy Index ETF	59.50
XLE	Energy Select Sector SPDR Fund	59.30
MLPA	Global X MLP ETF	58.94
PSCE	Invesco S&P SmallCap Energy ETF	58.86
VDE	Vanguard Energy ETF	58.16
XES	SPDR S&P Oil & Gas Equipment & Services ETF	58.09
PXE	Invesco Energy Exploration & Production ETF	57.80

### Sector & Industry 1 Day Performance Laggards

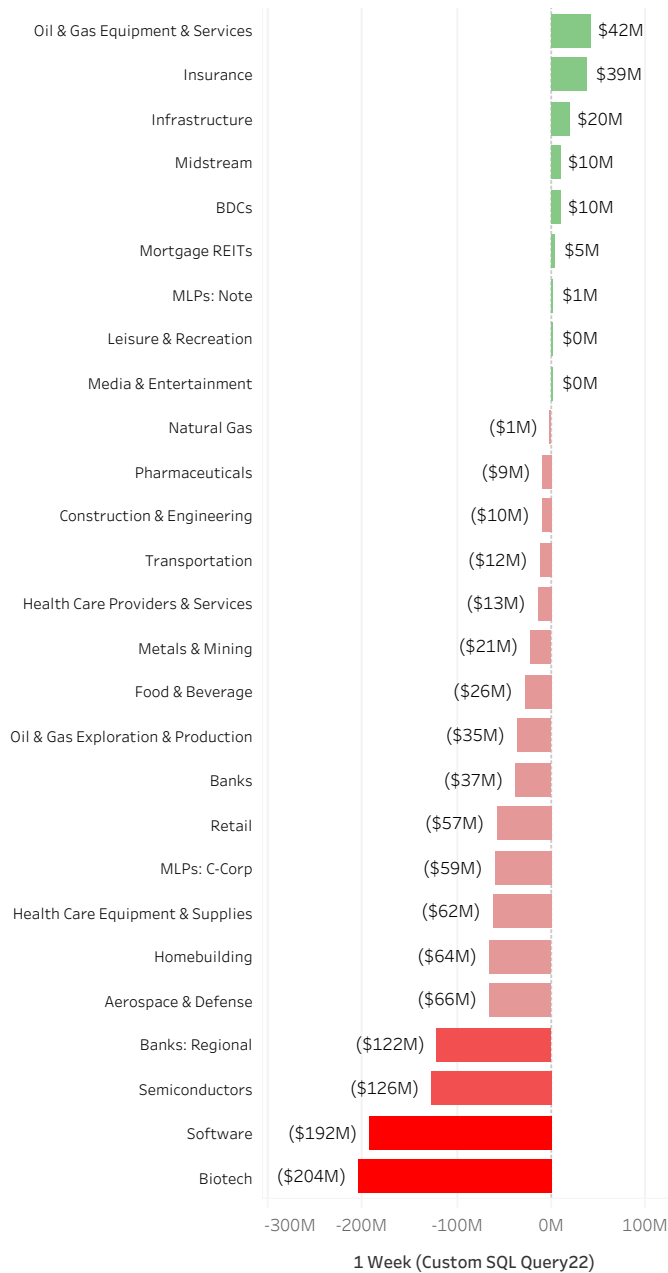
Ticker	Fund	1 Day Performance
XLU	Utilities Select Sector SPDR Fund	-2.16%
VPU	Vanguard Utilities ETF	-2.15%
FUTY	Fidelity MSCI Utilities Index ETF	-2.09%
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	-1.92%
IDU	iShares U.S. Utilities ETF	-1.91%
FXU	First Trust Utilities AlphaDEX Fund	-1.48%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-0.95%
PBE	Invesco Biotechnology & Genome ETF	-0.95%
EMLP	First Trust North American Energy Infrastructure Fund	-0.64%
IEZ	iShares U.S. Oil Equipment & Services ETF	-0.52%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	21.37
FTXG	First Trust Nasdaq Food & Beverage ETF	21.44
VPU	Vanguard Utilities ETF	21.46
VNQ	Vanguard Real Estate ETF	21.78
FUTY	Fidelity MSCI Utilities Index ETF	22.59
IDU	iShares U.S. Utilities ETF	22.64
XLU	Utilities Select Sector SPDR Fund	22.95
FXU	First Trust Utilities AlphaDEX Fund	23.41
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	23.80
SZNE	Pacer CFRA-Stovall Equal Weight Seasonal Rotation ETF	23.86

\* 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	\$17B	(\$238M)	\$354M	\$2,336M	\$2,668M
Consumer Discretionary	12	\$26B	(\$294M)	\$1,569M	\$2,669M	\$2,749M
Consumer Staples	10	\$27B	(\$275M)	(\$1,088M)	(\$632M)	\$793M
Energy	31	\$76B	\$210M	\$2,373M	(\$3,319M)	(\$7,090M)
Financials	26	\$54B	(\$218M)	(\$2,247M)	(\$2,170M)	(\$510M)
Health Care	23	\$84B	(\$665M)	(\$3,082M)	(\$3,429M)	(\$3,912M)
Industrial	13	\$32B	(\$259M)	\$811M	\$794M	\$2,806M
Materials	9	\$12B	(\$184M)	(\$808M)	(\$2,025M)	(\$1,802M)
Multi-Sector	18	\$18B	(\$103M)	\$870M	\$2,544M	\$2,224M
Real Estate	25	\$51B	\$74M	\$522M	(\$980M)	(\$3,511M)
Technology	23	\$144B	(\$95M)	\$110M	\$588M	\$3,187M
Utilities	9	\$21B	(\$472M)	(\$951M)	(\$732M)	(\$1,935M)

## U.S. Sector & Industry Flow Leaders

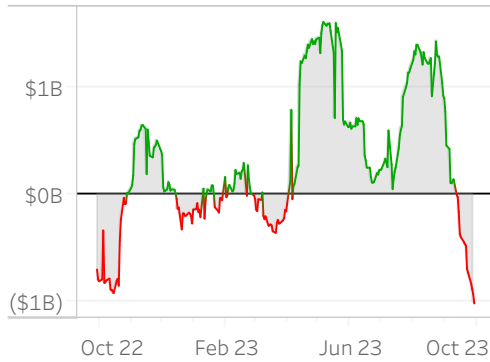
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$329M	\$750M	\$286M	(\$758M)	\$47,243M
XLE	Energy Select Sector SPDR Fund	\$278M	\$1,534M	(\$2,014M)	(\$2,789M)	\$39,681M
IYR	iShares U.S. Real Estate ETF	\$55M	\$107M	(\$408M)	(\$942M)	\$2,611M
IEZ	iShares U.S. Oil Equipment & Services ETF	\$40M	\$125M	\$17M	\$142M	\$352M
SCHH	Schwab U.S. REIT ETF	\$39M	\$152M	\$266M	\$538M	\$5,349M
KIE	SPDR S&P Insurance ETF	\$39M	\$101M	\$106M	\$107M	\$596M
QTEC	First Trust NASDAQ-100 Technology Sector Ind..	\$36M	\$970M	\$1,056M	\$942M	\$2,796M
RSPG	Invesco S&P 500 Equal Weight Energy ETF	\$26M	\$39M	\$10M	\$31M	\$595M
VOX	Vanguard Communication Services ETF	\$24M	\$369M	\$354M	\$349M	\$3,293M
FXN	First Trust Energy AlphaDEX Fund	\$22M	\$18M	(\$177M)	(\$1,106M)	\$624M

## U.S. Sector & Industry Flow Laggards

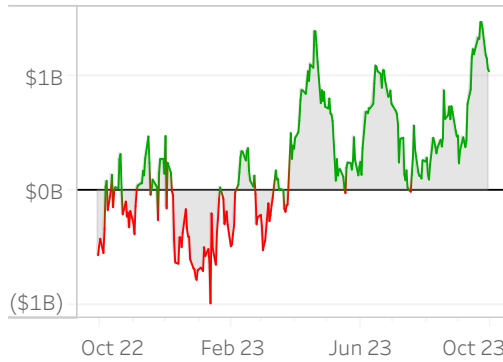
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLU	Utilities Select Sector SPDR Fund	(\$421M)	(\$703M)	(\$314M)	(\$1,202M)	\$13,439M
XLV	Health Care Select Sector SPDR Fund	(\$377M)	(\$1,962M)	(\$721M)	(\$500M)	\$37,980M
XLC	Communication Services Select Sector SPDR Fu..	(\$259M)	(\$25M)	\$1,946M	\$2,394M	\$13,041M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$257M)	\$1,327M	\$2,158M	\$1,583M	\$17,277M
XLP	Consumer Staples Select Sector SPDR Fund	(\$191M)	\$87M	\$505M	\$1,393M	\$16,165M
IGV	iShares Expanded Tech-Software Sector ETF	(\$186M)	\$32M	\$261M	\$449M	\$6,204M
XLI	Industrial Select Sector SPDR Fund	(\$169M)	\$553M	\$676M	\$926M	\$14,478M
XBI	SPDR S&P BIOTECH ETF	(\$149M)	(\$74M)	(\$758M)	(\$906M)	\$5,582M
XLB	Materials Select Sector SPDR Fund	(\$145M)	(\$583M)	(\$249M)	(\$383M)	\$4,981M
VGT	Vanguard Information Technology ETF	(\$136M)	(\$459M)	(\$805M)	(\$867M)	\$49,341M

\* 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



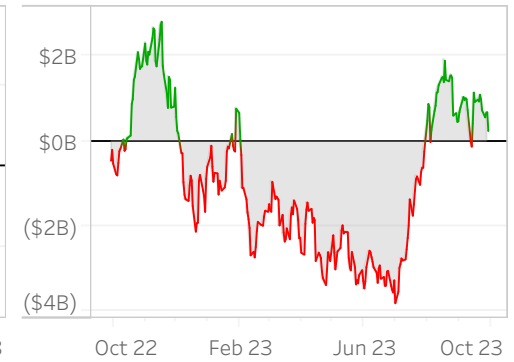
Consumer Discretionary



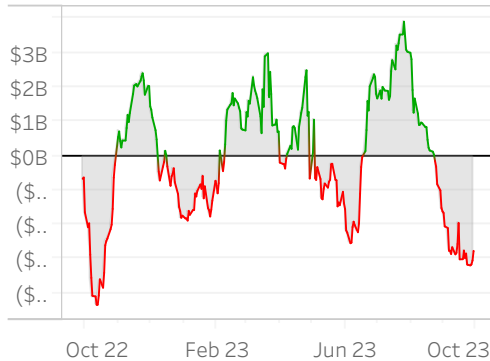
Consumer Staples



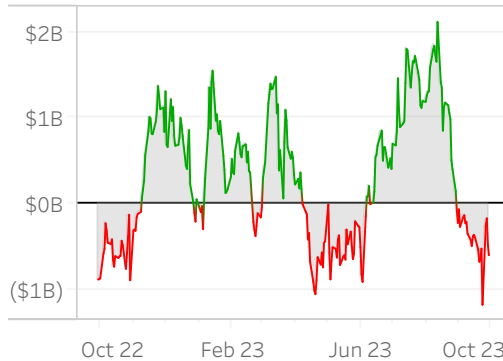
Energy



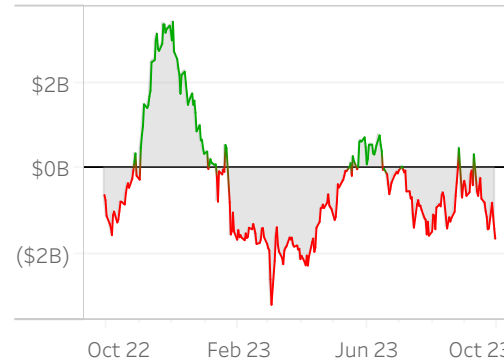
Financials



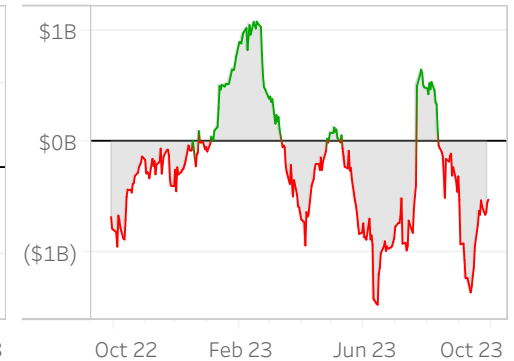
Industrial



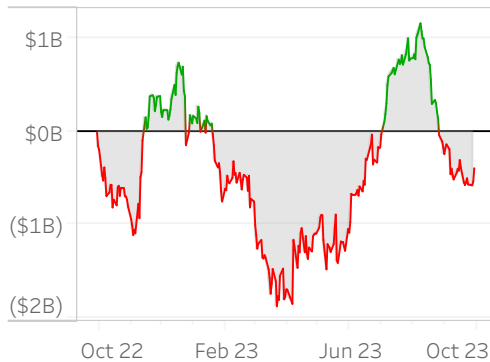
Health Care



Materials



Real Estate



Technology



Utilities

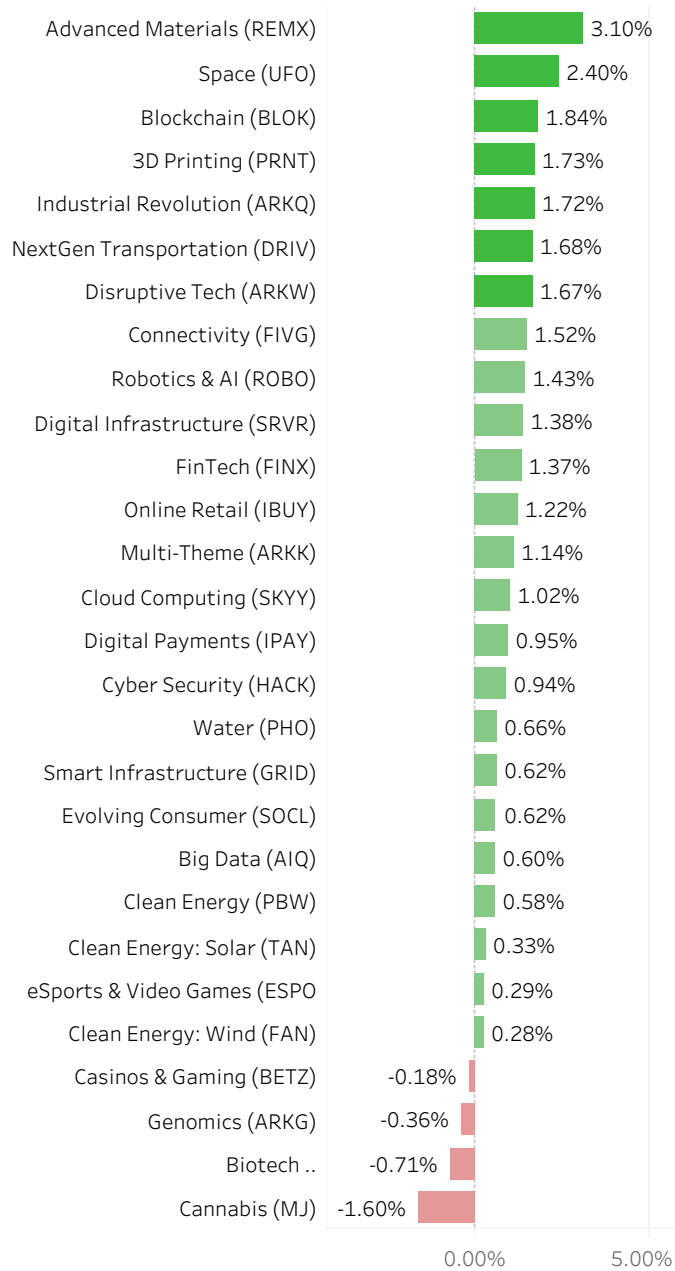


Multi-Sector

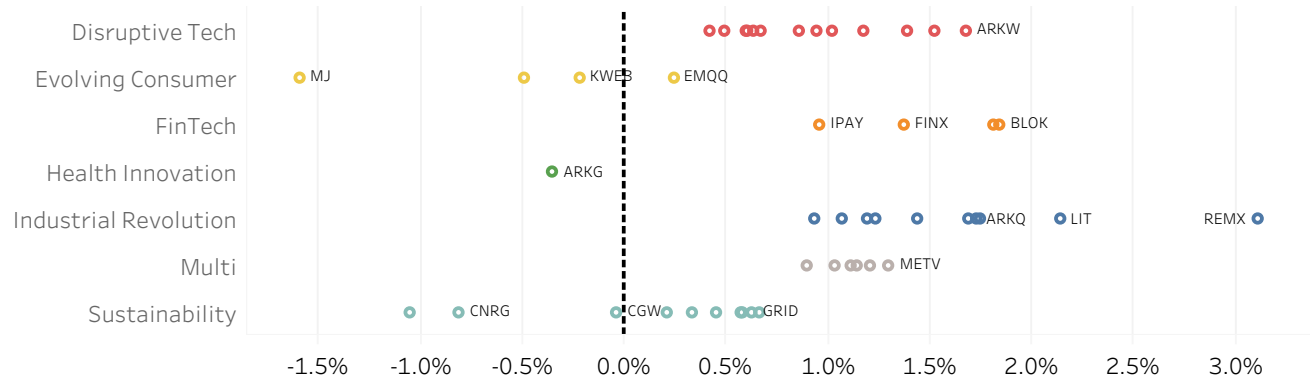


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BKCH	Global X Blockchain ETF	3.72%
BITQ	Bitwise Crypto Industry Innovators ETF	3.22%
REMX	VanEck Rare Earth/Strategic Metals ETF	3.10%
LIT	Global X Lithium & Battery Tech ETF	2.14%
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	1.94%
BLOK	Amplify Transformational Data Sharing ETF	1.84%
ARKF	ARK Fintech Innovation ETF	1.81%
BATT	Amplify Lithium & Battery Technology ETF	1.79%
IDRV	iShares Self-driving EV & Tech ETF	1.74%
PRNT	3D Printing ETF	1.73%

Thematic Most Overbought

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	57.70
MJUS	ETFMG U.S. Alternative Harvest ETF	52.29
MJ	ETFMG Alternative Harvest ETF	48.87
HACK	ETFMG Prime Cyber Security ETF	48.60
BUG	Global X Cybersecurity ETF	45.67
IHAK	iShares Cybersecurity & Tech ETF	45.32
CIBR	First Trust NASDAQ Cybersecurity ETF	43.78
KWEB	KraneShares CSI China Internet ETF	42.05
FIVG	Defiance Next Gen Connectivity ETF	41.86
EBIZ	Global X E-Commerce ETF	40.84

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MJ	ETFMG Alternative Harvest ETF	-1.60%
ACES	ALPS Clean Energy ETF	-1.06%
CNRG	SPDR S&P Kensho Clean Power ETF	-0.82%
IDNA	iShares Genomics Immunology and Healthcare ETF	-0.78%
SBIO	ALPS Medical Breakthroughs ETF	-0.71%
MJUS	ETFMG U.S. Alternative Harvest ETF	-0.62%
RNRG	Global X Renewable Energy Producers ETF	-0.60%
MSOS	AdvisorShares Pure US Cannabis ETF	-0.50%
GNOM	Global X Genomics & Biotechnology ETF	-0.49%
ARKG	ARK Genomic Revolution ETF	-0.36%

Thematic Most Oversold

Ticker	Fund	Price
PAWZ	ProShares Pet Care ETF	19.31
EVX	VanEck Environmental Services ETF	21.63
CGW	Invesco S&P Global Water Index ETF	22.24
RNRG	Global X Renewable Energy Producers ETF	23.33
BETZ	Roundhill Sports Betting & iGaming ETF	24.66
IDNA	iShares Genomics Immunology and Healthcare ETF	25.03
EDOC	Global X Telemedicine & Digital Health ETF Registered	25.06
SRVR	Pacer Data & Infrastructure Real Estate ETF	25.85
ICLN	iShares Global Clean Energy ETF	25.92
ACES	ALPS Clean Energy ETF	26.01

\* 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	
GNOM	Global X Genomics & Biotechnology ETF	\$48M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$11M
SOCL	Global X Social Media ETF	\$11M
FIW	First Trust Water ETF	\$8M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$8M
AIQ	Global X Artificial Intelligence & Technology ETF	\$6M
MSOS	AdvisorShares Pure US Cannabis ETF	\$3M
EVX	VanEck Environmental Services ETF	\$3M
TARK	AXS 2X Innovation ETF	\$2M
ARKG	ARK Genomic Revolution ETF	\$1M

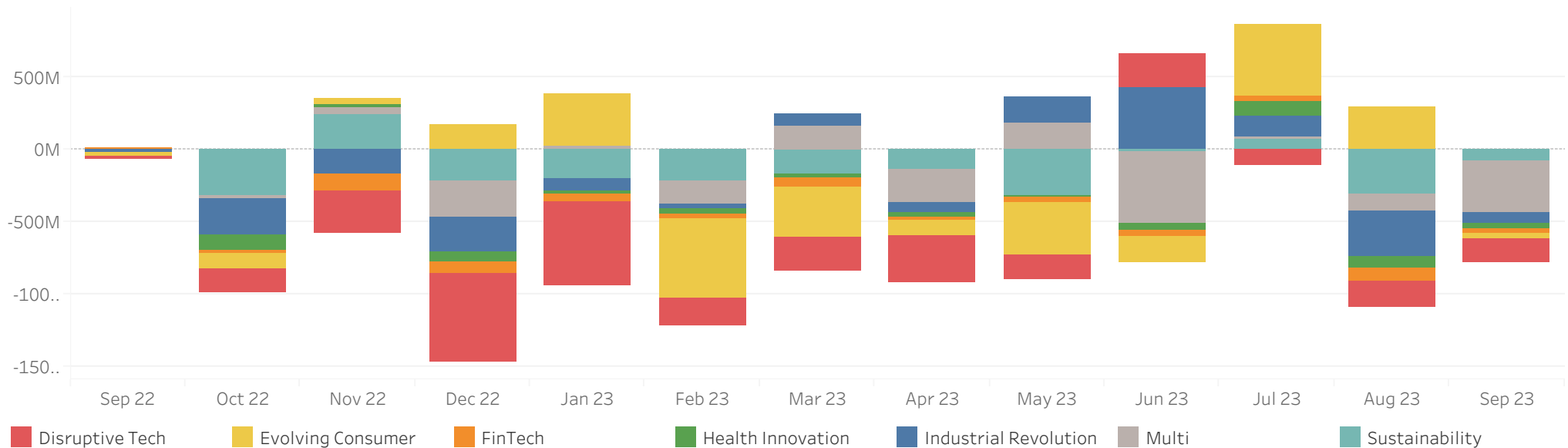
### Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$89M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$27M)
HERO	Global X Video Games & Esports ETF	(\$27M)
WCLD	WisdomTree Cloud Computing Fund	(\$16M)
ICLN	iShares Global Clean Energy ETF	(\$12M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$11M)
SKYY	First Trust Cloud Computing ETF	(\$11M)
LIT	Global X Lithium & Battery Tech ETF	(\$11M)
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security Fund	(\$10M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$9M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$15B	(\$57M)	(\$429M)	(\$739M)	(\$2,802M)
Evolving Consumer	40	\$9B	(\$21M)	\$740M	\$137M	(\$365M)
FinTech	17	\$2B	(\$1M)	(\$85M)	(\$190M)	(\$545M)
Health Innovation	18	\$3B	\$49M	(\$20M)	(\$147M)	(\$398M)
Industrial Revolution	30	\$10B	(\$22M)	(\$213M)	\$354M	(\$385M)
Multi	38	\$13B	(\$12M)	(\$476M)	(\$924M)	(\$1,219M)
Sustainability	40	\$14B	(\$26M)	(\$313M)	(\$814M)	(\$1,688M)
Grand Total	217	\$66B	(\$90M)	(\$796M)	(\$2,323M)	(\$7,401M)

### Thematic Monthly Flows

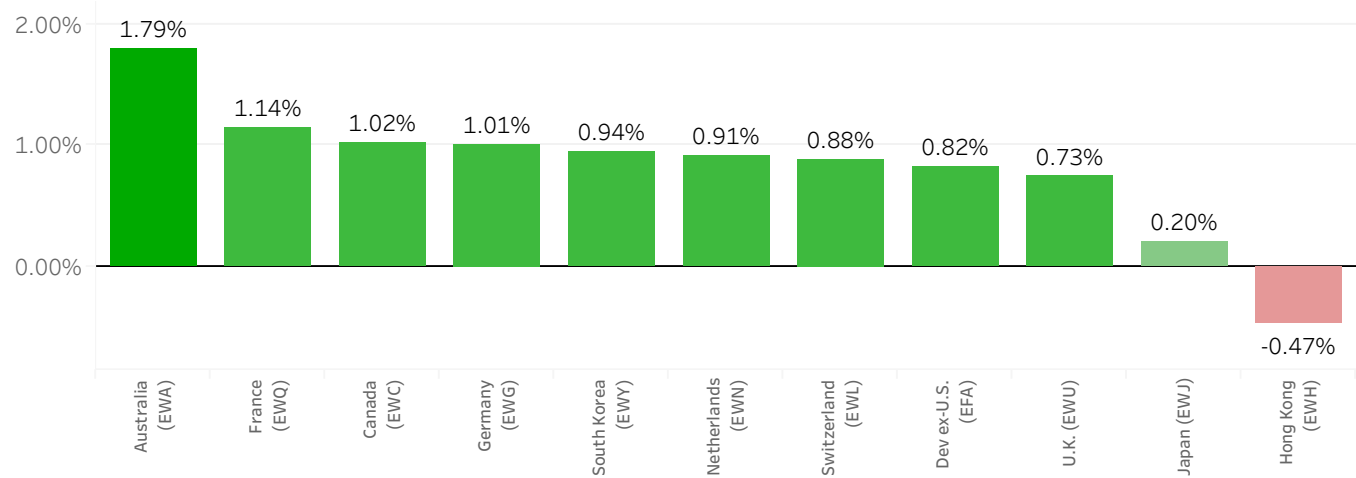


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

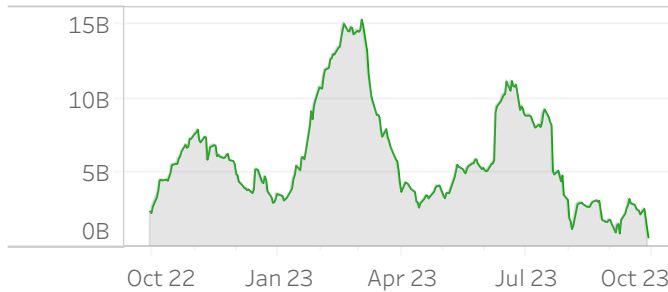
Developed ex-U.S. (EFA)



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



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



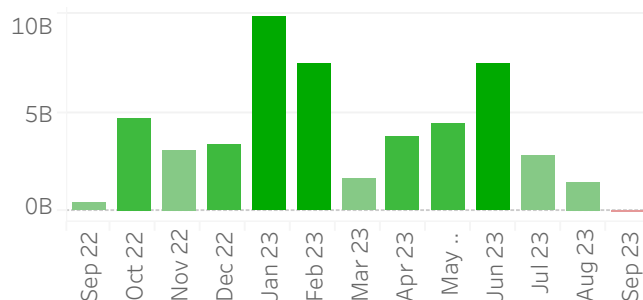
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWD	iShares MSCI Sweden ETF	1.89%
EWA	iShares MSCI Australia ETF	1.79%
EWS	iShares MSCI Singapore ETF	1.66%
FLKR	Franklin FTSE South Korea ETF	1.50%
EWO	iShares MSCI Austria ETF	1.49%
EWP	iShares MSCI Spain ETF	1.44%
EIS	iShares MSCI Israel ETF	1.38%
FSZ	First Trust Switzerland AlphaDEX Fund	1.38%
EPP	iShares MSCI Pacific ex-Japan ETF	1.32%
FEZ	SPDR EURO STOXX 50 ETF	1.25%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	59.43
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	57.70
EWJV	iShares MSCI Japan Value ETF	54.18
NORW	Global X MSCI Norway ETF	53.81
FJP	First Trust Japan AlphaDEX Fund	53.19
FLJH	Franklin FTSE Japan Hedged ETF	52.89
HEWJ	iShares Currency Hedged MSCI Japan ETF	52.80
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	52.24
DFJ	WisdomTree Japan SmallCap Dividend Fund	50.32
EIS	iShares MSCI Israel ETF	48.34

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	-0.47%
GREK	Global X MSCI Greece ETF	-0.36%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-0.31%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.25%
ENZL	iShares MSCI New Zealand ETF	-0.23%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.16%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.09%
FLJH	Franklin FTSE Japan Hedged ETF	-0.06%
NORW	Global X MSCI Norway ETF	-0.06%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.03%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
EFAD	ProShares MSCI EAFE Dividend Growers ETF	25.68
EWN	iShares MSCI Netherlands ETF	26.55
BKCI	BNY Mellon Concentrated International ETF	27.21
EFG	iShares MSCI EAFE Growth ETF	30.05
IDLV	Invesco S&P International Developed Low Volatility ..	31.08
FSZ	First Trust Switzerland AlphaDEX Fund	31.12
GREK	Global X MSCI Greece ETF	31.14
EWG	iShares MSCI Germany ETF	31.38
EWL	iShares MSCI Switzerland ETF	31.52
IQDG	WisdomTree International Quality Dividend Growth ..	31.58

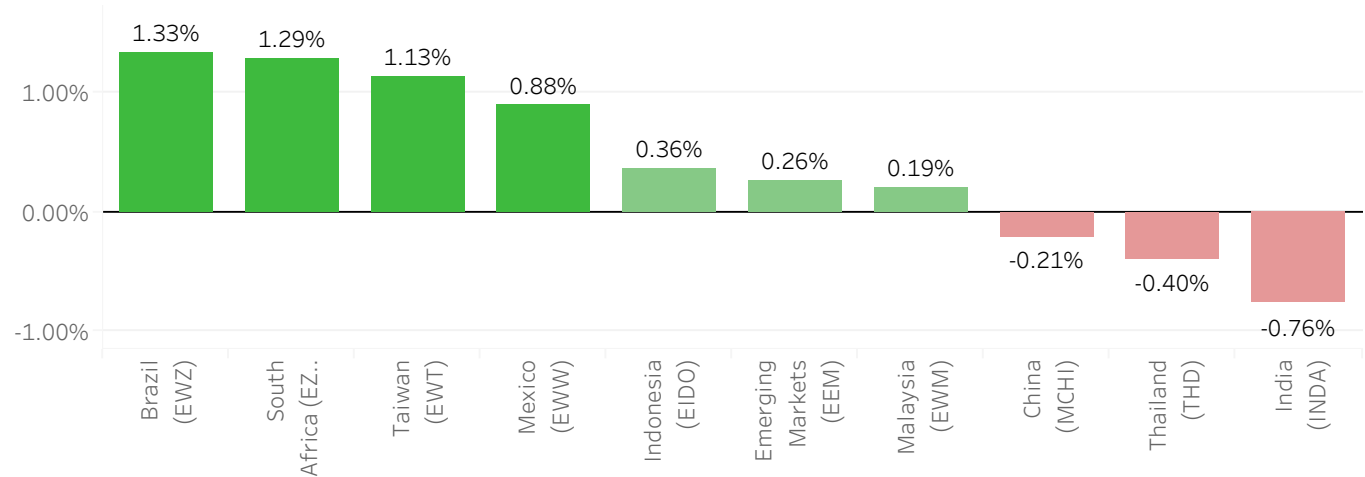
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



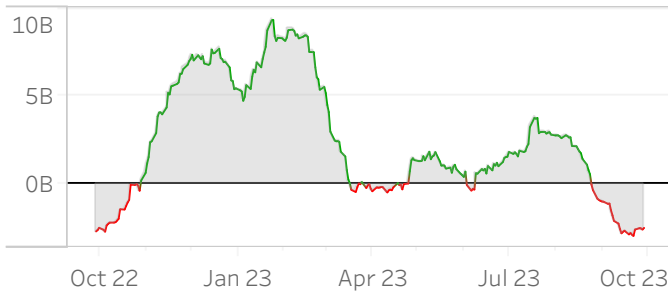
Emerging (EEM)



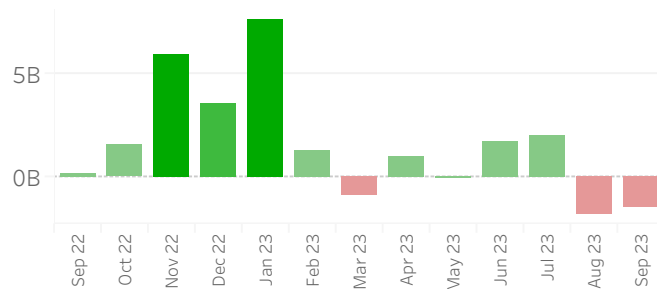
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ECH	iShares MSCI Chile ETF	1.97%
FLLA	Franklin FTSE Latin America ETF	1.38%
ILF	iShares Latin America 40 ETF	1.36%
EWZ	iShares MSCI Brazil ETF	1.33%
ECOW	Pacer Emerging Markets Cash Cows 100 ETF	1.33%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.31%
EZA	iShares MSCI South Africa ETF	1.29%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	1.27%
FLBR	Franklin FTSE Brazil ETF	1.22%
EPHE	iShares MSCI Philippines ETF	1.21%

Emerging Most Overbought

Ticker	Fund	Value
EPHE	iShares MSCI Philippines ETF	61.99
TUR	iShares MSCI Turkey ETF	55.17
SMIN	iShares MSCI India Small Cap ETF	55.10
GLIN	VanEck India Growth Leaders ETF	52.60
NFTY	First Trust India NIFTY 50 Equal Weight ETF	50.81
EPI	WisdomTree India Earnings Fund	49.30
FLIN	Franklin FTSE India ETF	47.38
EWX	SPDR S&P Emerging Markets Small Cap ETF	46.33
INDA	iShares MSCI India ETF	45.67
RAYC	Rayliant Quantamental China Equity ETF	45.49

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
INDA	iShares MSCI India ETF	-0.76%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.63%
FLIN	Franklin FTSE India ETF	-0.63%
FXI	iShares China Large-Cap ETF	-0.57%
PIN	Invesco India ETF	-0.55%
EPOL	iShares MSCI Poland ETF	-0.53%
KSA	iShares MSCI Saudi Arabia ETF	-0.44%
GLIN	VanEck India Growth Leaders ETF	-0.42%
EPI	WisdomTree India Earnings Fund	-0.41%
THD	iShares MSCI Thailand ETF	-0.40%

Emerging Most Oversold

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	25.12
THD	iShares MSCI Thailand ETF	27.36
FRDM	Freedom 100 Emerging Markets ETF	27.75
EPU	iShares MSCI Peru and Global Exposure ETF	30.32
ARGT	Global X MSCI Argentina ETF	31.39
EELV	Invesco S&P Emerging Markets Low Volatility ETF	31.51
FM	iShares Frontier and Select EM ETF	32.59
ECH	iShares MSCI Chile ETF	32.82
KWT	iShares MSCI Kuwait ETF	32.96
VNM	VanEck Vietnam ETF	33.23

\*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	0.30%	-1.76%	-0.93%
SHY	1-3 Year Treasury Bonds	0.17%	0.23%	1.60%
IEF	7-10 Year Treasury Bonds	0.27%	-2.28%	-2.61%
TLT	20+ Year Treasury Bonds	0.31%	-6.68%	-9.01%
TIP	TIPS Bonds	0.51%	-1.18%	-0.48%
FLOT	Floating Rate Bonds	0.06%	0.56%	4.88%
LQD	Investment Grade Corporate	0.18%	-2.55%	-0.41%
HYG	High Yield Corporate	0.48%	-0.95%	4.29%
BKLN	Senior Loan	0.00%	0.47%	8.89%
PFF	Preferred & Income Securities	0.32%	-0.03%	3.13%
MUB	Municipal Bonds	-0.23%	-2.24%	-1.07%
MBB	MBS	0.60%	-1.99%	-1.84%
EMB	Dollar Denominated EM Bonds	0.23%	-2.57%	0.90%
LEMB	Local Currency EM Bond	0.43%	-4.62%	-0.12%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.25%	0.84%	-3.35%
DBE	Energy	-1.06%	6.80%	4.63%
USO	WTI Crude Oil	-1.60%	12.65%	16.35%
BNO	Brent Crude Oil	-1.25%	12.71%	14.46%
UNG	Natural Gas	1.79%	-0.15%	-51.49%
UGA	Gasoline	-2.78%	-1.08%	16.23%
DBP	Precious Metals	-0.37%	-3.59%	0.02%
GLD	Gold	-0.50%	-2.75%	2.12%
SLV	Silver	0.19%	-6.66%	-5.81%
PPLT	abrdn Physical Platin..	2.01%	-6.25%	-15.63%
PALL	abrdn Physical Palla..	4.28%	1.79%	-28.91%
DBB	Base Metals	2.66%	4.42%	-2.78%
CPER	Copper	1.81%	-2.10%	-0.79%
DBA	Agriculture	0.88%	-0.14%	8.19%
CORN	Corn	0.67%	-0.88%	-16.49%
SOYB	Soybeans	0.07%	-5.53%	-3.40%
WEAT	Wheat	-0.34%	-5.22%	-27.19%
CANE	Sugar	2.09%	5.96%	57.21%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.54%	2.59%	6.83%
UDN	Short Dollar	0.63%	-1.95%	-0.84%
FXE	Euro	0.56%	-2.19%	-0.25%
FXB	British Pound Sterling	0.44%	-2.94%	3.05%
FXF	Swiss Franc	0.60%	-3.43%	0.73%
FXJ	Japanese Yen	0.23%	-1.86%	-12.45%
FXC	Canadian Dollar	0.18%	1.12%	2.00%
FXA	Australian Dollar	1.12%	0.04%	-4.91%

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

*Disclaimer of Warranties*

Except for the express warranties set forth in the terms of service, all services, including all ETF Action materials, are provided on an “as is,” “where is” basis, and ETF Action and its licensors disclaim all representations or warranties, express or implied as to the services. ETF Action and its licensors specifically disclaim all implied warranties of merchantability, fitness for a particular purpose, title and non-infringement, and all warranties arising from course of dealing, usage or trade practice. Without limiting the foregoing, ETF Action and its licensors make no warranty of any kind that the services or ETF Action materials, or any products or results of the use thereof, will meet customer’s or any other person’s requirements, operate without interruption, achieve any intended result, be compatible or work with any software, system or other services, or be secure, accurate, complete, timely, free of harmful code or error free. All third-party materials are provided “as is” and any representation or warranty of or concerning any third-party materials is strictly between customer and the third-party owner or distributor of the third-party materials.

*Additional Disclaimers*

The services are not intended and should not be construed as financial or investment advice, a recommendation or promotion. Neither ETF Action nor its licensors shall be responsible for investment decisions, damages, or other losses *resulting from use of the services*. *Past performance* does not guarantee future performance. Neither ETF Action nor its licensors shall be considered an “expert” under the securities act of 1933. Neither ETF Action nor its licensors warrant that the services comply with the requirements of the NASD or any similar organization or with the securities laws of any jurisdiction. Any information contained in the services should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Distribution prohibited without prior permission. Full terms of service, including terms of use, copyrights, and disclaimers are available at <https://www.etfaction.com/terms>.

© Copyright ETF Action, Inc. All Rights Reserved.

*Data Reliability and Definitions*

ETF Action, LLC believes the information herein to be accurate (at time of publication) and was obtained from reliable sources, but makes no guarantees with respect to its accuracy. Calculations of fundamental data are based on weighted averages of reported results and consensus estimates of current ETF constituents. Valuation data (price/earnings, price/sales, price/cash flow, price/book value) are calculated using per share data divided by current NAV of corresponding ETF. Performance, risk and technical data (moving averages, relative performance, RSI) calculated for specified periods using ETF market price which may differ from net asset value (NAV).

ETF Action Sector Beta Composites represent ETFs that meet stringent criteria surrounding index methodology, liquidity, assets under management, and management fee.

*Source Data & ETF Issuer Information ..*

ETF Action is an independent technology and research firm focused on helping advisors build better portfolios, create engaging experiences with their clients, and navigate the vast ETF landscape.

Contact us at:

[team@etfaction.com](mailto:team@etfaction.com)

[www.etfaction.com](http://www.etfaction.com)