

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

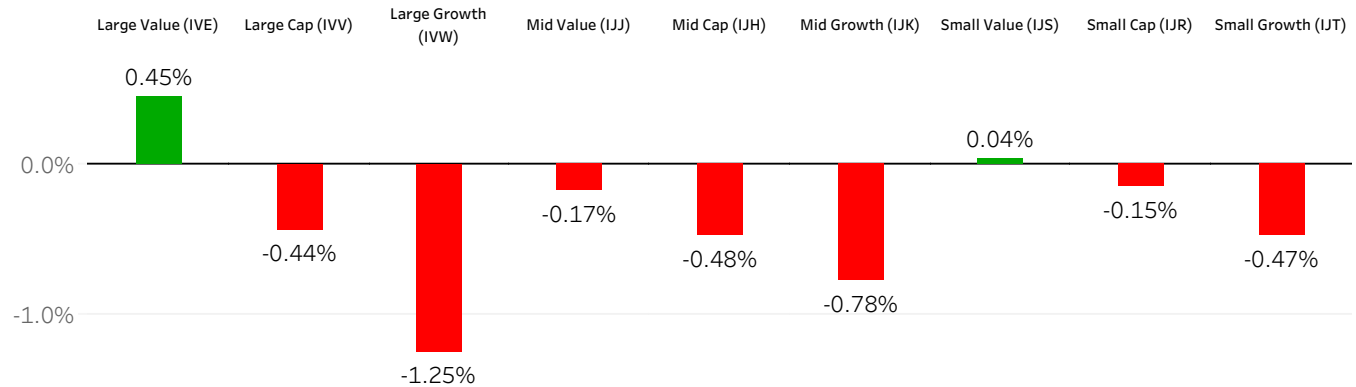


Small Cap Blend (S&P 600) IJR



■ 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
CSB	VictoryShares US Small Cap High Dividend Volatility Wt..	1.01%
DUSA	Davis Select U.S. Equity ETF	0.92%
OUSM	ALPS O'Shares US Small-Cap Quality Dividend ETF	0.80%
ABEQ	Absolute Select Value ETF	0.70%
SMIG	AAM Bahl & Gaynor Small/Mid Cap Income Growth ETF	0.66%
SDOG	ALPS Sector Dividend Dogs ETF	0.60%
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	0.60%
PEY	Invesco High Yield Equity Dividend Achievers ETF	0.58%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	0.58%
MOAT	VanEck Morningstar Wide Moat ETF	0.54%

Size & Style Most Overbought

Ticker	Fund	Price
ABEQ	Absolute Select Value ETF	52.82
SDOG	ALPS Sector Dividend Dogs ETF	51.03
PEY	Invesco High Yield Equity Dividend Achievers ETF	50.85
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	50.75
IVE	iShares S&P 500 Value ETF	50.49
SPYV	SPDR Portfolio S&P 500 Value ETF	50.29
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd ..	50.26
IUSV	iShares Core S&P US Value ETF	50.10
AIVL	WisdomTree U.S. AI Enhanced Value Fund	50.00
SMIG	AAM Bahl & Gaynor Small/Mid Cap Income Growth ETF	49.82

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
QMOM	Momentumshares US Quantitative Momentum ETF	-3.80%
QVAL	Alpha Architect US Quantitative Value ETF	-2.60%
RPG	Invesco S&P 500 Pure Growth ETF	-2.04%
DWAS	Invesco DWA SmallCap Momentum ETF	-1.99%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	-1.78%
XMMO	Invesco S&P MidCap Momentum ETF	-1.71%
VFMO	Vanguard U.S. Momentum Factor ETF	-1.70%
IPO	Renaissance IPO ETF	-1.62%
SPMO	Invesco S&P 500 Momentum ETF	-1.60%
MTUM	iShares MSCI USA Momentum Factor ETF	-1.60%

Size & Style Most Oversold

Ticker	Fund	Price
FFTY	Innovator IBD 50 ETF	25.42
PTLC	Pacer Trendpilot US Large Cap ETF	27.49
QMOM	Momentumshares US Quantitative Momentum E..	29.05
QVML	Invesco S&P 500 QVM Multi-factor ETF	32.15
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	33.23
RUFF	Alpha Dog ETF	33.35
WBI	WBI BullBear Yield 3000 ETF	33.69
QVAL	Alpha Architect US Quantitative Value ETF	33.73
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	35.09
FPX	First Trust US Equity Opportunities ETF	35.22

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

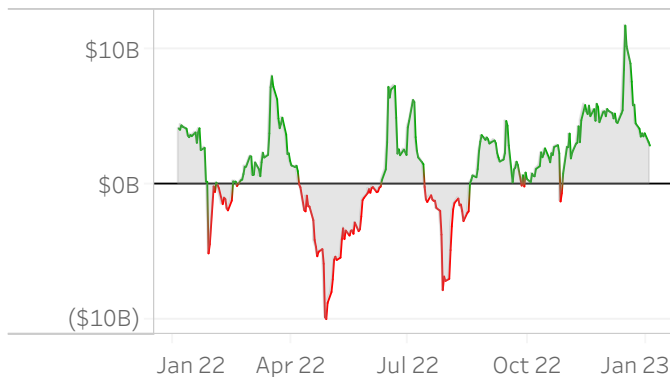
Large-Cap 30-Day Rolling Flows



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 Growth, Beta	25	\$1,176B	(\$7.94B)	\$10.51B	\$33.79B	\$54.67B
Large Cap, Beta Growth, Beta: Growth	10	\$214B	\$0.38B	\$10.13B	\$15.83B	\$21.81B
Large Cap, Beta Growth, Beta: Value	11	\$222B	\$0.64B	\$2.48B	\$3.11B	\$21.03B
Mid Cap, Beta, Beta	10	\$177B	\$0.18B	\$5.38B	\$7.05B	\$11.67B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.02B	\$0.62B	\$1.18B	\$0.54B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.05B)	\$1.39B	\$1.30B	\$1.78B
Small Cap, Beta, Beta	13	\$186B	\$0.16B	\$3.28B	\$3.15B	\$1.45B
Small Cap, Beta, Beta: Growth	7	\$30B	\$0.01B	\$1.28B	\$1.00B	\$1.60B
Small Cap, Beta, Beta: Value	7	\$49B	\$0.01B	\$1.24B	(\$0.70B)	(\$2.10B)

U.S. Size & Style Flow Leaders

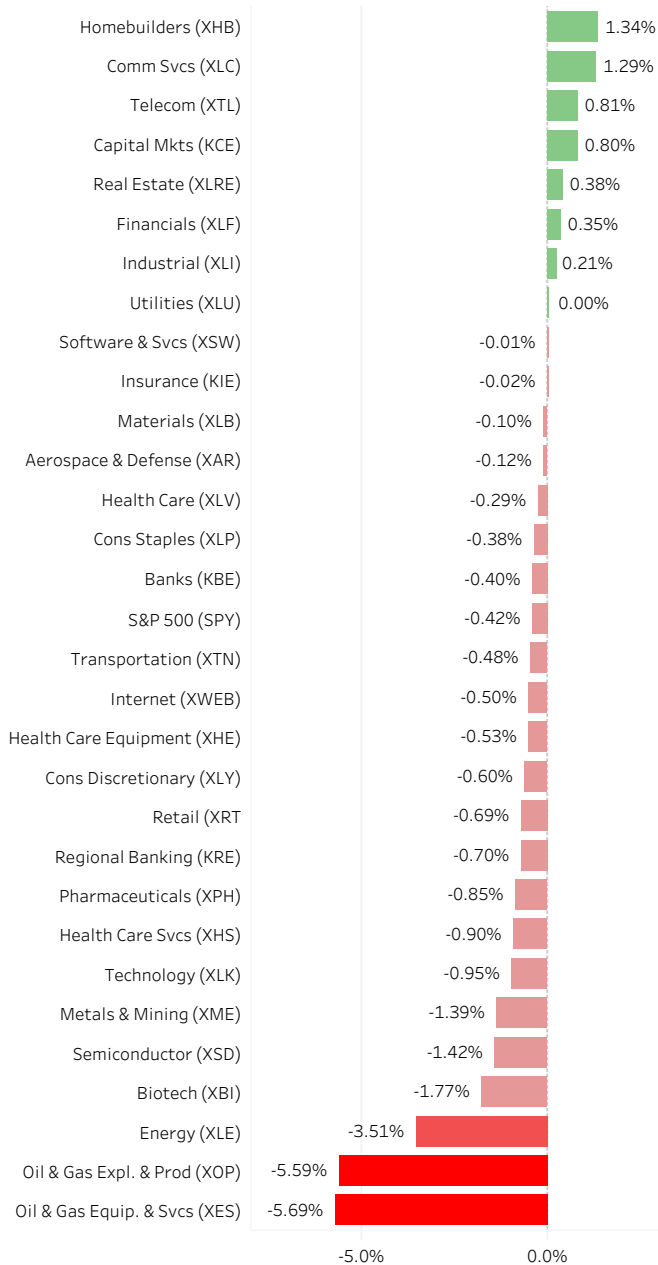
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$0.55B	\$6.08B	\$13.42B	\$25.74B	\$261.08B
SCHD	Schwab US Dividend Equity ETF	\$0.32B	\$4.55B	\$8.20B	\$15.47B	\$44.73B
IWF	iShares Russell 1000 Growth ETF	\$0.26B	\$3.33B	\$3.49B	\$3.69B	\$59.39B
VTV	Vanguard Value ETF	\$0.25B	(\$3.37B)	(\$1.65B)	\$11.08B	\$99.46B
IWD	iShares Russell 1000 Value ETF	\$0.21B	\$1.46B	\$0.98B	\$0.23B	\$54.28B
VYM	Vanguard High Dividend Yield Index ETF	\$0.17B	\$1.41B	\$3.16B	\$9.06B	\$50.30B
HDV	iShares Core High Dividend ETF	\$0.14B	\$0.19B	\$0.01B	\$5.58B	\$13.13B
COWZ	Pacer US Cash Cows 100 ETF	\$0.14B	\$2.62B	\$4.07B	\$9.38B	\$10.35B
IWB	iShares Russell 1000 ETF	\$0.14B	\$1.18B	\$1.25B	\$1.46B	\$27.56B
VUG	Vanguard Growth ETF	\$0.12B	\$2.35B	\$4.49B	\$9.21B	\$68.20B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$6.66B)	\$3.63B	\$3.41B	(\$19.21B)	\$354.63B
QQQ	Invesco QQQ Trust	(\$0.74B)	(\$1.41B)	(\$0.30B)	\$0.90B	\$145.40B
IVV	iShares Core S&P 500 ETF	(\$0.50B)	\$1.38B	\$7.70B	\$18.54B	\$289.41B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	(\$0.36B)	(\$0.39B)	(\$0.32B)	\$2.66B	\$7.43B
VOO	Vanguard S&P 500 ETF	(\$0.36B)	\$2.72B	\$14.54B	\$40.87B	\$262.21B
MGK	Vanguard Mega Cap Growth ETF	(\$0.08B)	(\$0.35B)	(\$0.07B)	\$0.07B	\$9.47B
IJT	iShares S&P Small-Cap 600 Growth ETF	(\$0.07B)	\$0.21B	\$0.40B	\$0.28B	\$5.21B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.06B)	(\$0.02B)	\$0.16B	(\$0.35B)	\$12.98B
DFAS	Dimensional U.S. Small Cap ETF	(\$0.04B)	\$0.46B	\$0.65B	\$1.15B	\$4.90B
VONG	Vanguard Russell 1000 Growth ETF	(\$0.04B)	\$1.35B	\$2.98B	\$3.51B	\$9.15B

\* 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)
XLV	Health Care Select Sector SPDR Fund	-5.16%	12.99%	0.11%	3.46%	47.54
XLI	Industrial Select Sector SPDR Fund	-7.02%	18.81%	0.11%	4.70%	49.71
XLP	Consumer Staples Select Sector SPDR Fund	-7.82%	11.68%	-0.42%	0.67%	44.02
XLU	Utilities Select Sector SPDR Fund	-9.75%	14.60%	1.51%	-1.09%	50.25
XLE	Energy Select Sector SPDR Fund	-10.29%	35.15%	-4.91%	4.20%	42.89
XLB	Materials Select Sector SPDR Fund	-14.30%	15.27%	-1.87%	-1.35%	42.58
XLF	Financial Select Sector SPDR Fund	-16.37%	13.30%	-0.94%	1.34%	50.10
SPY	SPDR S&P 500 ETF Trust	-18.05%	6.80%	-2.34%	-4.17%	43.13
XLK	Technology Select Sector SPDR Fund	-25.64%	5.75%	-4.20%	-8.27%	40.69
XLRE	Real Estate Select Sector SPDR Fund	-26.74%	9.77%	-1.34%	-9.95%	46.19
XLY	Consumer Discretionary Select Sector SPDR Fund	-34.67%	1.69%	-7.01%	-15.07%	35.96
XLC	Communication Services Select Sector SPDR Fund	-36.51%	7.05%	-0.36%	-11.31%	50.86

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
MORT	VanEck Mortgage REIT Income ETF	1.89%
KBWD	Invesco KBW High Dividend Yield Financial ETF	1.82%
REM	iShares Mortgage Real Estate ETF	1.81%
PNQI	Invesco NASDAQ Internet ETF	1.68%
ITB	iShares U.S. Home Construction ETF	1.38%
XHB	SPDR S&P Homebuilders ETF	1.34%
XLC	Communication Services Select Sector SPDR Fund	1.29%
VOX	Vanguard Communication Services ETF	1.13%
FCOM	Fidelity MSCI Communication Services Index ETF	1.13%
BIZD	VanEck BDC Income ETF	0.99%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
ITB	iShares U.S. Home Construction ETF	55.42
XAR	SPDR S&P Aerospace & Defense ETF	54.37
PPA	Invesco Aerospace & Defense ETF	54.16
ITA	iShares U.S. Aerospace & Defense ETF	54.12
IHE	iShares U.S. Pharmaceuticals ETF	53.96
IHI	iShares U.S. Medical Devices ETF	53.63
IYZ	iShares U.S. Telecommunications ETF	52.89
PJP	Invesco Dynamic Pharmaceuticals ETF	51.89
XHB	SPDR S&P Homebuilders ETF	51.54
RYH	Invesco S&P 500 Equal Weight Health Care ETF	51.21

### Sector & Industry 1 Day Performance Laggards

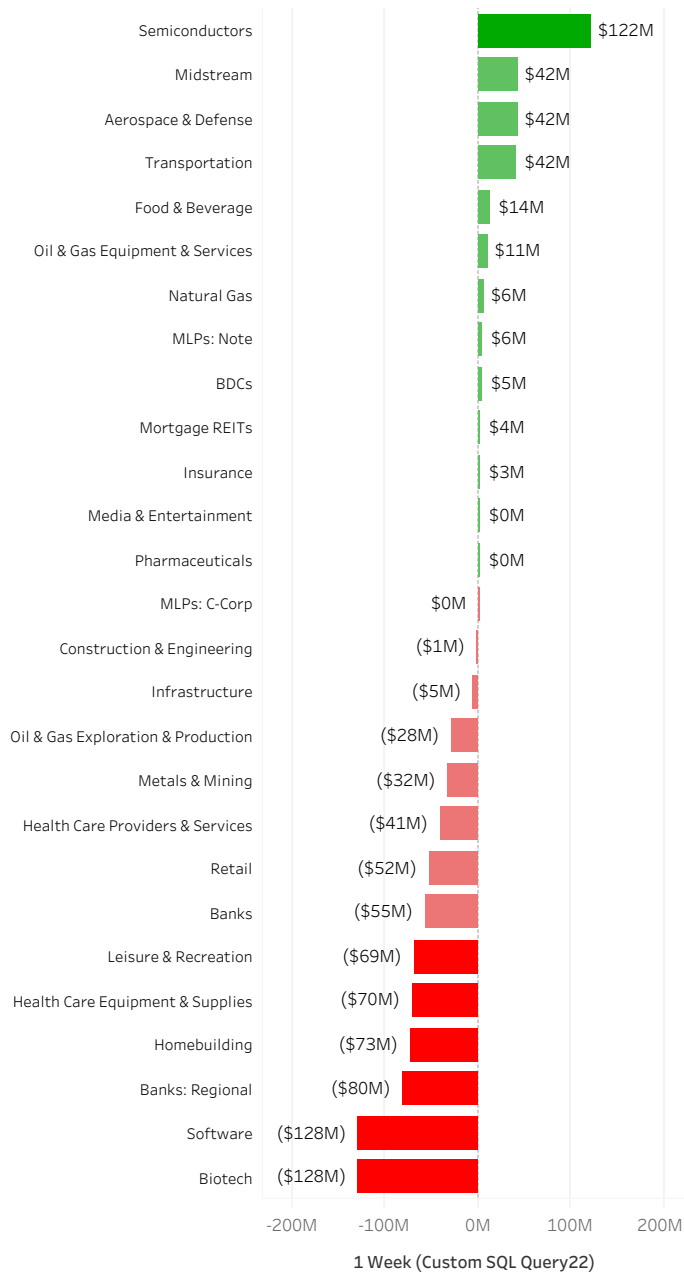
Ticker	Fund	1 Day Performance
PXI	Invesco DWA Energy Momentum ETF	-5.94%
PSCE	Invesco S&P SmallCap Energy ETF	-5.89%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-5.69%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-5.59%
FCG	First Trust Natural Gas ETF	-5.47%
FXN	First Trust Energy AlphaDEX Fund	-5.21%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-5.17%
FTXN	First Trust Nasdaq Oil & Gas ETF	-5.11%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-4.94%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-4.88%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PBJ	Invesco Dynamic Food & Beverage ETF	32.65
FXG	First Trust Consumer Staples AlphaDEX Fund	34.33
FXN	First Trust Energy AlphaDEX Fund	34.60
PSL	Invesco DWA Consumer Staples Momentum ETF	35.00
FTXG	First Trust Nasdaq Food & Beverage ETF	35.36
PXI	Invesco DWA Energy Momentum ETF	35.43
FCG	First Trust Natural Gas ETF	35.61
XLY	Consumer Discretionary Select Sector SPDR Fund	35.96
PXE	Invesco Dynamic Energy Exploration & Production ETF	36.83
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	36.84

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## U.S. Sector & Industry 1-Week Flows



## U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$11B	(\$47M)	(\$95M)	(\$205M)	(\$1,315M)
Consumer Discretionary	12	\$19B	(\$92M)	(\$562M)	(\$999M)	(\$6,604M)
Consumer Staples	10	\$30B	(\$43M)	\$1,536M	\$2,630M	\$7,937M
Energy	32	\$80B	(\$3M)	\$1,706M	(\$491M)	(\$9M)
Financials	26	\$58B	(\$343M)	\$229M	(\$998M)	(\$13,112M)
Health Care	23	\$97B	(\$561M)	\$3,399M	\$3,357M	\$10,317M
Industrial	13	\$30B	\$104M	\$1,029M	(\$74M)	(\$2,328M)
Materials	9	\$13B	(\$12M)	(\$115M)	(\$2,623M)	(\$1,393M)
Multi-Sector	19	\$12B	(\$168M)	(\$474M)	(\$2,150M)	(\$6,968M)
Real Estate	25	\$58B	\$70M	\$245M	(\$1,451M)	(\$4,856M)
Technology	23	\$110B	(\$106M)	\$2,432M	\$1,430M	(\$515M)
Utilities	9	\$26B	(\$133M)	(\$1,293M)	\$920M	\$5,254M

## U.S. Sector & Industry Flow Leaders

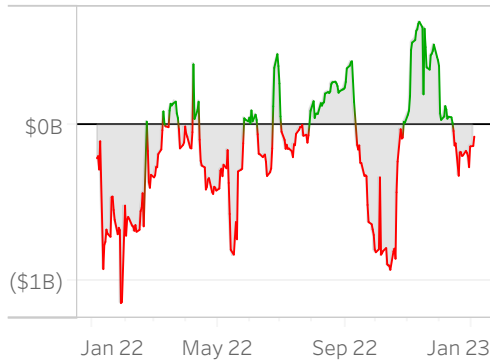
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SOXX	iShares Semiconductor ETF	\$123M	(\$205M)	(\$376M)	(\$573M)	\$5,851M
VNQ	Vanguard Real Estate ETF	\$91M	(\$377M)	(\$1,314M)	(\$2,527M)	\$33,311M
MLPX	Global X MLP & Energy Infrastructure ETF	\$44M	\$79M	\$88M	\$182M	\$1,058M
IYZ	iShares U.S. Telecommunications ETF	\$44M	(\$32M)	\$90M	\$42M	\$442M
IYT	iShares US Transportation ETF	\$43M	(\$85M)	(\$101M)	(\$833M)	\$705M
RYT	Invesco S&P 500 Equal Weight Technology ETF	\$41M	\$104M	\$67M	(\$205M)	\$2,028M
ITA	iShares U.S. Aerospace & Defense ETF	\$39M	\$500M	\$484M	\$1,925M	\$4,671M
FXG	First Trust Consumer Staples AlphaDEX Fund	\$25M	\$102M	\$82M	\$447M	\$741M
XLI	Industrial Select Sector SPDR Fund	\$25M	\$336M	(\$517M)	(\$2,408M)	\$13,533M
XLB	Materials Select Sector SPDR Fund	\$23M	(\$47M)	(\$1,384M)	(\$1,771M)	\$5,250M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	(\$279M)	\$1,769M	\$2,104M	\$7,005M	\$42,024M
XLF	Financial Select Sector SPDR Fund	(\$192M)	\$829M	\$31M	(\$7,831M)	\$31,329M
XLU	Utilities Select Sector SPDR Fund	(\$134M)	(\$1,102M)	\$487M	\$3,570M	\$16,261M
IGV	iShares Expanded Tech-Software Sector ETF	(\$126M)	(\$266M)	\$185M	\$674M	\$4,376M
XLP	Consumer Staples Select Sector SPDR Fund	(\$97M)	\$991M	\$1,542M	\$4,368M	\$17,324M
KRE	SPDR S&P Regional Banking ETF	(\$78M)	(\$419M)	(\$446M)	(\$1,369M)	\$2,657M
XBI	SPDR S&P BIOTECH ETF	(\$75M)	\$953M	\$415M	\$2,752M	\$8,019M
IHI	iShares U.S. Medical Devices ETF	(\$70M)	(\$310M)	(\$646M)	(\$1,080M)	\$6,143M
ITB	iShares U.S. Home Construction ETF	(\$70M)	\$49M	(\$96M)	(\$989M)	\$1,348M
PEJ	Invesco Dynamic Leisure & Entertainment ETF	(\$69M)	(\$175M)	(\$618M)	(\$508M)	\$440M

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

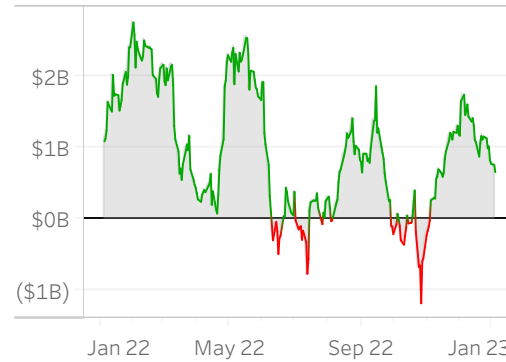
Communication Services



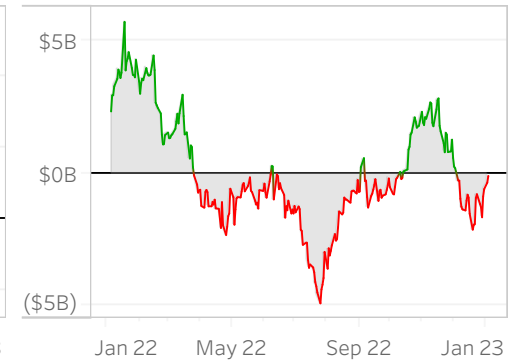
Consumer Discretionary



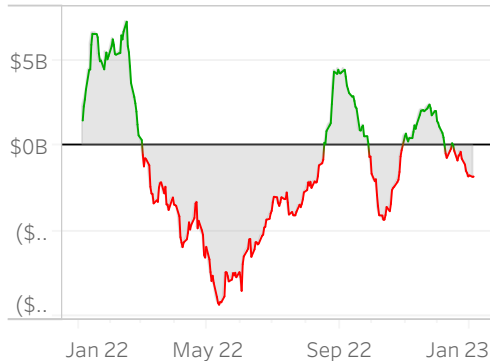
Consumer Staples



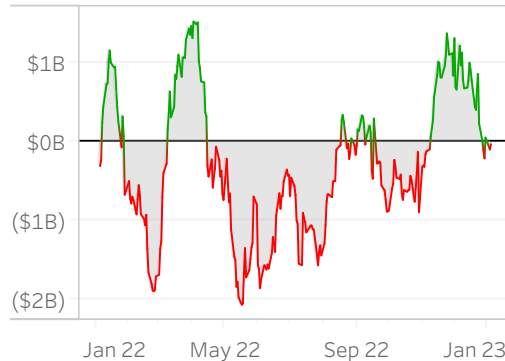
Energy



Financials



Industrial



Health Care



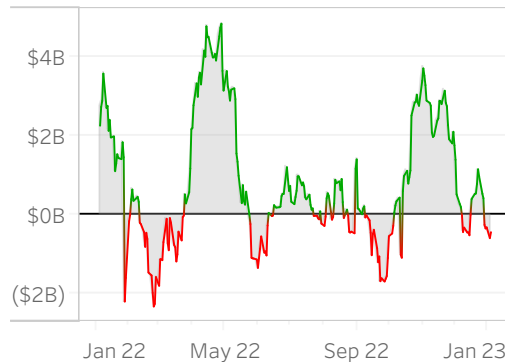
Materials



Real Estate



Technology



Utilities

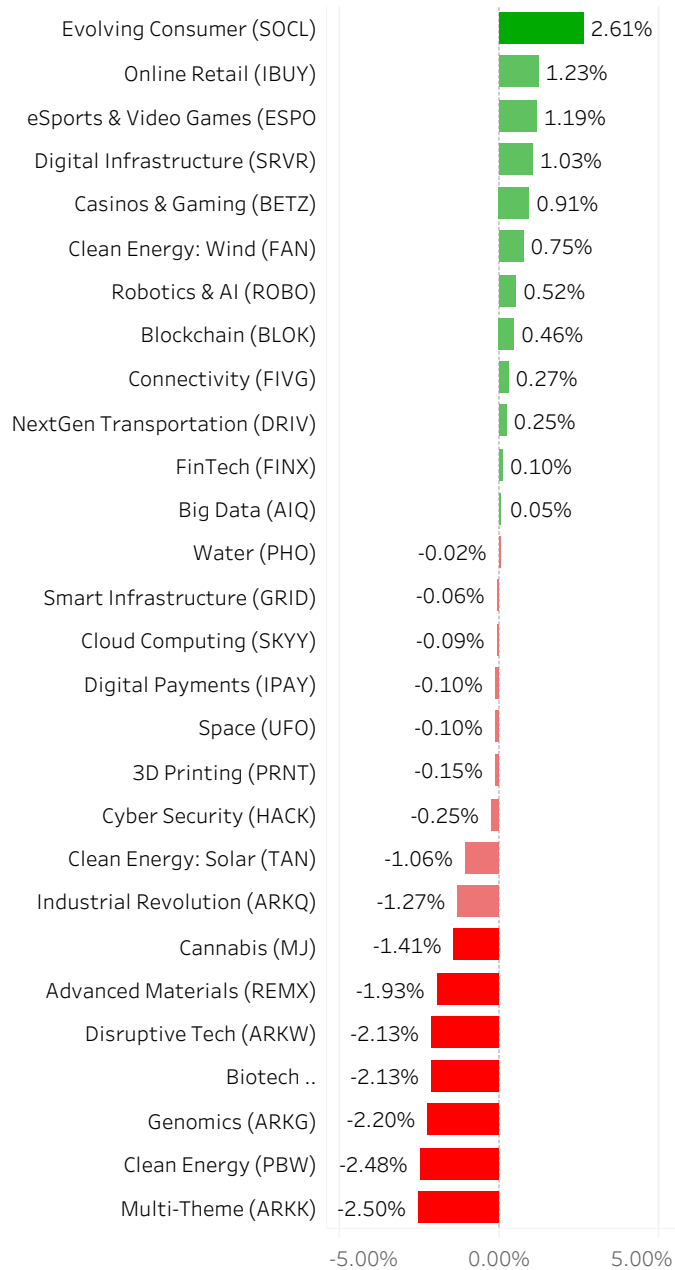


Multi-Sector

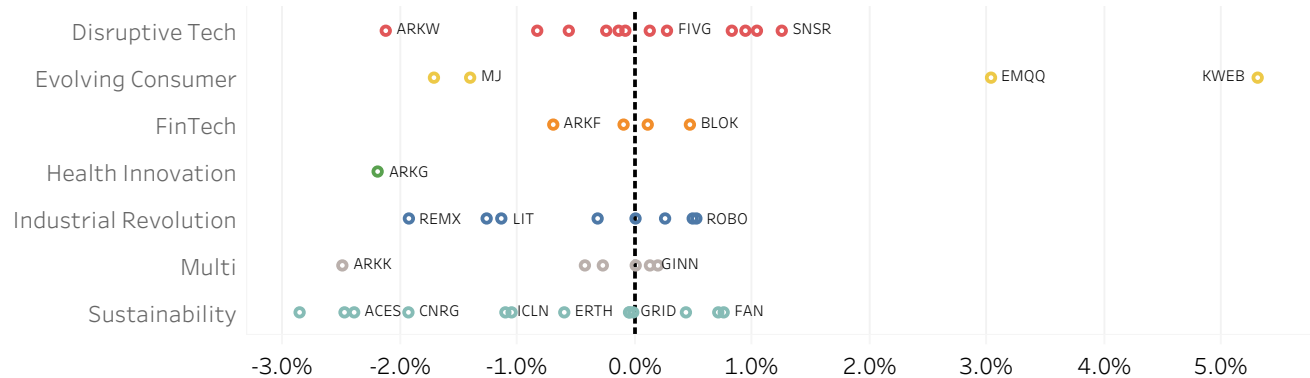


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
KWEB	KraneShares CSI China Internet ETF	5.30%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	3.03%
SOCL	Global X Social Media ETF	2.61%
KGRN	KraneShares MSCI China Clean Technology Index ETF	2.24%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	1.84%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	1.52%
ONLN	ProShares Online Retail ETF	1.52%
SNSR	Global X Internet of Things ETF	1.25%
IBUY	Amplify Online Retail ETF	1.23%
ESPO	VanEck Video Gaming and eSports ETF	1.19%

## Thematic Most Overbought

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	61.44
SOCL	Global X Social Media ETF	61.00
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	58.38
FAN	First Trust Global Wind Energy ETF	56.58
HERO	Global X Video Games & Esports ETF	56.19
LEGR	First Trust Indxx Innovative Transaction & Process ETF	55.37
GAMR	Wedbush ETFMG Video Game Tech ETF Wedbush ETFMG V..	53.09
AWAY	ETFMG Travel Tech ETF	52.54
CLOU	Global X Cloud Computing ETF	51.69
BJK	VanEck Gaming ETF	51.61

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MJUS	ETFMG U.S. Alternative Harvest ETF	-4.08%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-2.86%
ARKK	ARK Innovation ETF	-2.50%
PBW	Invesco WilderHill Clean Energy ETF	-2.48%
ACES	ALPS Clean Energy ETF	-2.40%
ARKG	ARK Genomic Revolution ETF	-2.20%
SBIO	ALPS Medical Breakthroughs ETF	-2.13%
ARKW	ARK Next Generation Internet ETF	-2.13%
CNRG	SPDR S&P Kensho Clean Power ETF	-1.93%
REMX	VanEck Rare Earth/Strategic Metals ETF	-1.93%

## Thematic Most Oversold

Ticker	Fund	Price
LIT	Global X Lithium & Battery Tech ETF	26.33
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	28.15
REMX	VanEck Rare Earth/Strategic Metals ETF	29.47
BATT	Amplify Lithium & Battery Technology ETF	29.52
ACES	ALPS Clean Energy ETF	29.83
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	31.33
MJUS	ETFMG U.S. Alternative Harvest ETF	33.03
MJ	ETFMG Alternative Harvest ETF	33.53
MSOS	AdvisorShares Pure US Cannabis ETF	33.84
PBW	Invesco WilderHill Clean Energy ETF	33.85

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$14M
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	\$11M
GBUY	Goldman Sachs Future Consumer Equity ETF	\$8M
TMAT	Main Thematic Innovation ETF	\$7M
ARKX	ARK Space Exploration & Innovation ETF	\$6M
TIME	Clockwise Capital Innovation ETF	\$5M
WCLD	WisdomTree Cloud Computing Fund	\$3M
TARK	AXS 2X Innovation ETF	\$2M
RNRG	Global X Renewable Energy Producers ETF	\$2M
SOCL	Global X Social Media ETF	\$2M

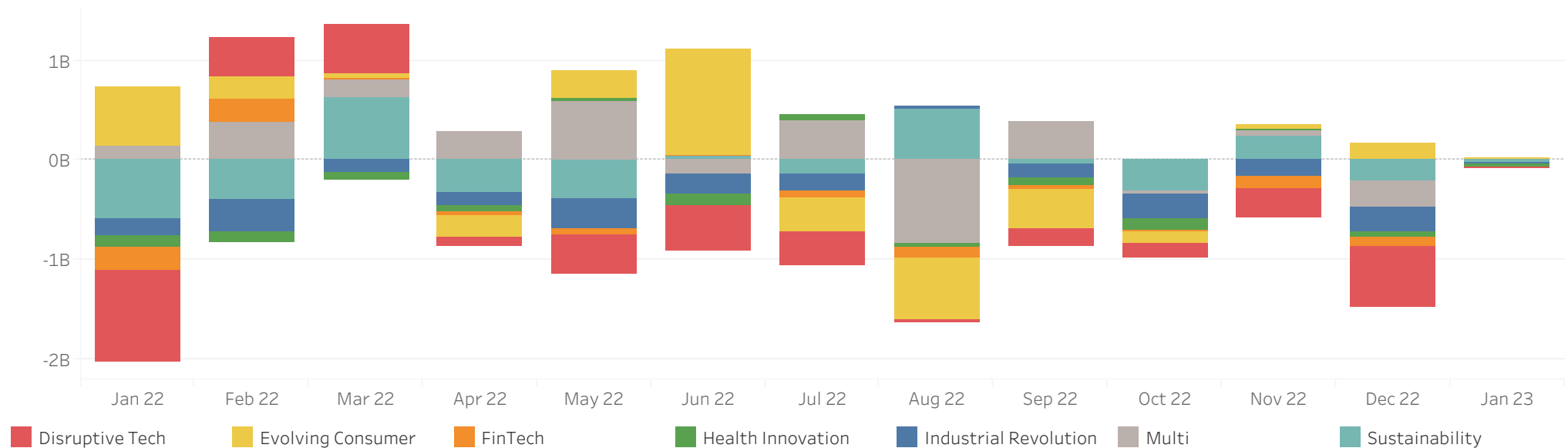
## Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$109M)
LIT	Global X Lithium & Battery Tech ETF	(\$58M)
PBW	Invesco WilderHill Clean Energy ETF	(\$56M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$54M)
TAN	Invesco Solar ETF	(\$35M)
ARKG	ARK Genomic Revolution ETF	(\$34M)
MSOS	AdvisorShares Pure US Cannabis ETF	(\$21M)
BUG	Global X Cybersecurity ETF	(\$20M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$18M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$14M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$61M)	(\$1,071M)	(\$1,598M)	(\$2,577M)
Evolving Consumer	46	\$10B	(\$28M)	\$146M	(\$1,334M)	\$727M
FinTech	22	\$2B	(\$12M)	(\$210M)	(\$424M)	(\$504M)
Health Innovation	19	\$3B	(\$39M)	(\$149M)	(\$268M)	(\$692M)
Industrial Revolution	32	\$10B	(\$76M)	(\$639M)	(\$939M)	(\$2,221M)
Multi	41	\$12B	(\$46M)	(\$303M)	(\$238M)	\$1,125M
Sustainability	40	\$17B	(\$97M)	(\$326M)	\$80M	(\$999M)
Grand Total	235	\$69B	(\$360M)	(\$2,552M)	(\$4,721M)	(\$5,141M)

## Thematic Monthly Flows

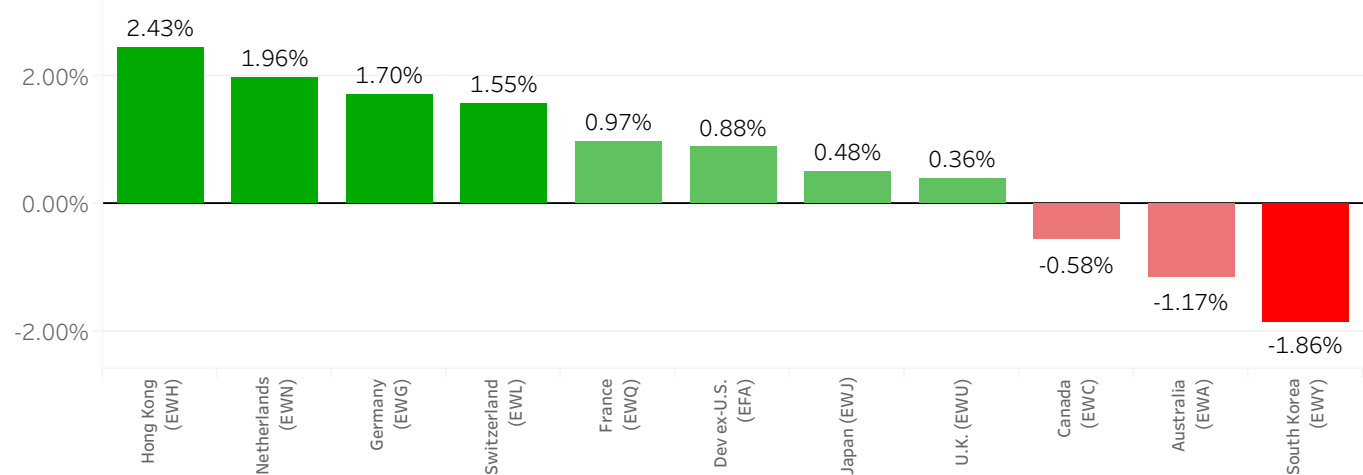


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



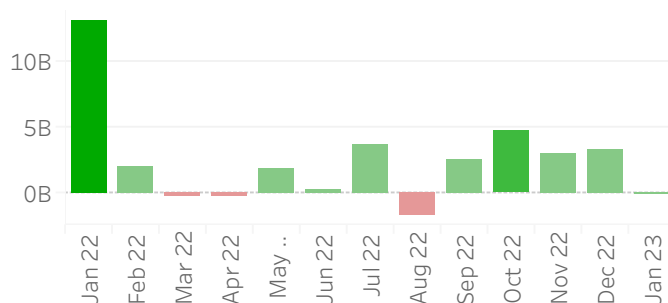
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
HEDJ	WisdomTree Europe Hedged Equity Fund	3.03%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	2.81%
MINV	Matthews Asia Innovators Active ETF	2.79%
BKCI	BNY Mellon Concentrated International ETF	2.72%
EWK	iShares MSCI Hong Kong ETF	2.43%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	2.39%
FDD	First Trust Stoxx European Select Dividend Index Fund	2.11%
IHDG	WisdomTree International Hedged Quality Dividend Growth ..	2.10%
EWN	iShares MSCI Netherlands ETF	1.96%
AIA	iShares Asia 50 ETF	1.90%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EDEN	iShares MSCI Denmark ETF	67.87
IMFL	Invesco International Developed Dynamic Multifactor ETF	62.91
EWK	iShares MSCI Hong Kong ETF	62.68
FDD	First Trust Stoxx European Select Dividend Index Fund	60.58
SCJ	iShares MSCI Japan Small-Cap ETF	60.53
DFJ	WisdomTree Japan SmallCap Dividend Fund	59.56
DISV	Dimensional International Small Cap Value ETF	59.49
FSZ	First Trust Switzerland AlphaDEX Fund	58.97
EWJV	iShares MSCI Japan Value ETF	58.38
EIRL	iShares MSCI Ireland ETF	58.33

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	-2.72%
EWY	iShares MSCI South Korea ETF	-1.86%
FLKR	Franklin FTSE South Korea ETF	-1.69%
ENZL	iShares MSCI New Zealand ETF	-1.42%
EWA	iShares MSCI Australia ETF	-1.17%
BBCA	JPMorgan BetaBuilders Canada ETF	-0.70%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.69%
IVAL	Alpha Architect International Quantitative Value ETF	-0.68%
FJP	First Trust Japan AlphaDEX Fund	-0.61%
EWC	iShares MSCI Canada ETF	-0.58%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	16.67
IVAL	Alpha Architect International Quantitative Value ETF	27.40
IMOM	Alpha Architect International Quantitative Momentum..	30.89
DXJ	WisdomTree Japan Hedged Equity Fund	32.83
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	34.78
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	35.06
HEFA	iShares Currency Hedged MSCI EAFE ETF	36.16
EIS	iShares MSCI Israel ETF	38.14
FLKR	Franklin FTSE South Korea ETF	38.19
NORW	Global X MSCI Norway ETF	38.66

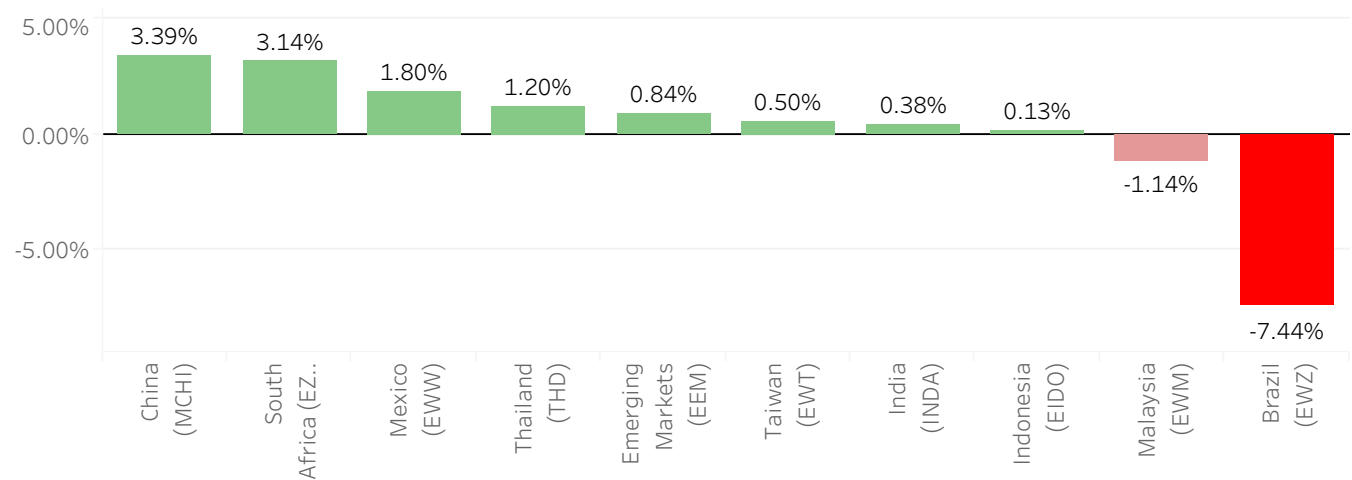
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



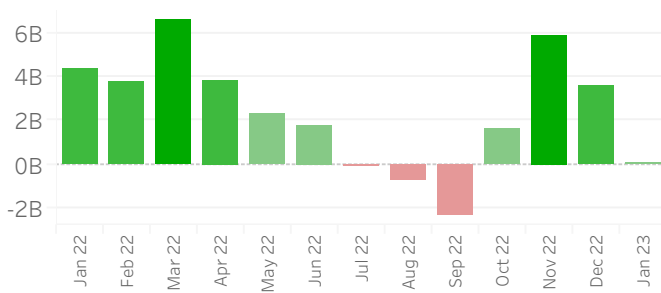
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	3.92%
FXI	iShares China Large-Cap ETF	3.60%
LDEM	iShares ESG MSCI EM Leaders ETF	3.45%
MCHI	iShares MSCI China ETF	3.39%
GXC	SPDR S&P China ETF	3.27%
EZA	iShares MSCI South Africa ETF	3.14%
FLCH	Franklin FTSE China ETF	3.09%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	2.94%
ECNS	iShares MSCI China Small-Cap ETF	2.63%
FNI	First Trust Chindia ETF	2.62%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	69.91
THD	iShares MSCI Thailand ETF	65.83
EPOL	iShares MSCI Poland ETF	64.69
MCHI	iShares MSCI China ETF	60.80
FXI	iShares China Large-Cap ETF	60.28
GXC	SPDR S&P China ETF	59.64
ECNS	iShares MSCI China Small-Cap ETF	59.52
FLCH	Franklin FTSE China ETF	59.31
UEVM	VictoryShares Emerging Markets Value Momentum E..	59.24
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	58.89

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-7.49%
EWZ	iShares MSCI Brazil ETF	-7.44%
FLBR	Franklin FTSE Brazil ETF	-7.43%
FBZ	First Trust Brazil AlphaDEX Fund	-5.83%
FLN	First Trust Latin America AlphaDEX Fund	-4.83%
ILF	iShares Latin America 40 ETF	-4.46%
FLLA	Franklin FTSE Latin America ETF	-4.23%
ECH	iShares MSCI Chile ETF	-2.81%
EWM	iShares MSCI Malaysia ETF	-1.14%
FRDM	Freedom 100 Emerging Markets ETF	-1.11%

Emerging Most Oversold

Ticker	Fund	Price
PIN	Invesco India ETF	26.71
ILF	iShares Latin America 40 ETF	31.86
EWT	iShares MSCI Taiwan ETF	32.09
EWZ	iShares MSCI Brazil ETF	32.59
FLBR	Franklin FTSE Brazil ETF	32.61
FLLA	Franklin FTSE Latin America ETF	32.82
FLN	First Trust Latin America AlphaDEX Fund	34.51
EWZS	iShares MSCI Brazil Small-Cap ETF	34.90
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	34.94
QAT	iShares MSCI Qatar ETF	35.76

\*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	0.59%	-1.52%	0.59%
SHY	1-3 Year Treasury Bonds	0.09%	0.01%	0.09%
IEF	7-10 Year Treasury Bonds	0.78%	-1.99%	0.78%
TLT	20+ Year Treasury Bonds	1.91%	-5.03%	1.91%
TIP	TIPS Bonds	0.36%	-2.74%	0.36%
FLOT	Floating Rate Bonds	0.04%	0.72%	0.04%
LQD	Investment Grade Corporate	0.69%	-2.69%	0.69%
HYG	High Yield Corporate	0.19%	-1.85%	0.19%
BKLN	Senior Loan	0.44%	-0.35%	0.44%
PFF	Preferred & Income Securities	0.49%	-4.24%	0.49%
MUB	Municipal Bonds	0.37%	-0.11%	0.37%
MBB	MBS	0.47%	-1.43%	0.47%
EMB	Dollar Denominated EM Bonds	0.44%	-2.44%	0.44%
LEMB	Local Currency EM Bond	-0.17%	-0.14%	-0.17%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-2.31%	-3.49%	-2.31%
DBE	Energy	-4.01%	-6.60%	-4.01%
USO	WTI Crude Oil	-3.52%	-3.15%	-3.52%
BNO	Brent Crude Oil	-4.07%	-4.07%	-4.07%
UNG	Natural Gas	-9.36%	-33.02%	-9.36%
UGA	Gasoline	-4.79%	2.75%	-4.79%
DBP	Precious Metals	0.45%	2.28%	0.45%
GLD	Gold	0.84%	2.27%	0.84%
SLV	Silver	0.14%	3.57%	0.14%
PPLT	abrdn Physical Platin..	1.29%	6.59%	1.29%
PALL	abrdn Physical Palla..	-4.15%	-10.27%	-4.15%
DBB	Base Metals	-0.62%	-4.72%	-0.62%
CPER	Copper	-1.30%	-2.19%	-1.30%
LD	Lead	0.04%	6.49%	0.04%
JJN	Nickel	3.86%	10.85%	3.86%
JJU	Aluminum	-3.79%	-9.95%	-3.79%
JJT	Tin	0.81%	7.76%	0.81%
DBA	Agriculture	-1.09%	0.84%	-1.09%
CORN	Corn	-1.11%	3.02%	-1.11%
SOYB	Soybeans	-1.65%	2.86%	-1.65%
WEAT	Wheat	-1.50%	1.68%	-1.50%
CANE	Sugar	-1.36%	1.25%	-1.36%
BAL	Cotton	-0.53%	0.00%	-0.53%
NIB	Cocoa	-1.34%	1.31%	-1.34%
JO	Coffee	-0.64%	2.41%	-0.64%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	1.08%	0.45%	1.08%
UDN	Short Dollar	-1.03%	0.10%	-1.03%
FXE	Euro	-1.41%	0.21%	-1.41%
FXB	British Pound Sterling	-0.73%	-2.28%	-0.73%
FXF	Swiss Franc	-1.26%	0.09%	-1.26%
FXJ	Japanese Yen	0.24%	2.61%	0.24%
FXC	Canadian Dollar	-0.97%	-1.40%	-0.97%
FXA	Australian Dollar	-1.21%	-1.08%	-1.21%

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