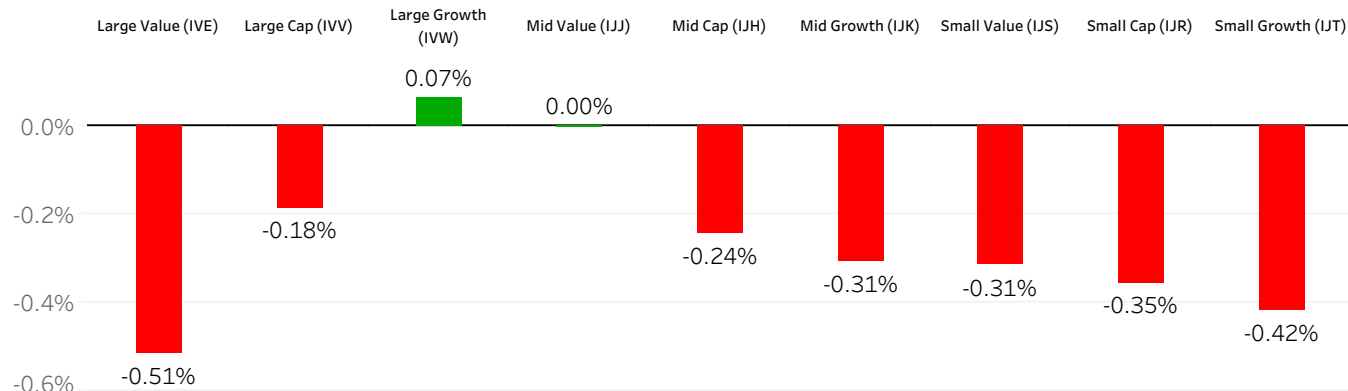


Large Cap Blend (S&P 500) IVV



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	1.42%
BUZZ	VanEck Social Sentiment ETF	1.12%
QMOM	Momentumshares US Quantitative Momentum ETF	0.63%
SPHB	Invesco S&P 500 High Beta ETF	0.50%
WINN	Harbor Long-Term Growers ETF	0.49%
ILCG	iShares Morningstar Growth ETF	0.37%
ONEQ	Fidelity Nasdaq Composite Index ETF	0.35%
LCG	Sterling Capital Focus Equity ETF	0.34%
NUMG	Nuveen ESG Mid-Cap Growth ETF	0.32%
FYX	First Trust Small Cap Core AlphaDEX Fund	0.32%

Size & Style Most Overbought

Ticker	Fund	Price
RFV	Invesco S&P Midcap 400 Pure Value ETF	74.77
IJJ	iShares S&P Mid-Cap 400 Value ETF	70.83
RZV	Invesco S&P Smallcap 600 Pure Value ETF	70.30
MDYV	SPDR S&P 400 Mid Cap Value ETF	69.94
FYX	First Trust Small Cap Core AlphaDEX Fund	69.67
FNK	First Trust Mid Cap Value AlphaDEX Fund	69.18
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	69.14
IWC	iShares Micro-Cap ETF	68.84
IVOV	Vanguard S&P Mid-Cap 400 Value ETF	68.58
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	68.57

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
DJD	Invesco Dow Jones Industrial Average Dividend ETF	-1.23%
EDOW	First Trust Dow 30 Equal Weight ETF	-1.15%
DIA	SPDR Dow Jones Industrial Average ETF Trust	-1.13%
DURA	VanEck Durable High Dividend ETF	-1.01%
SCHD	Schwab US Dividend Equity ETF	-1.00%
VSDA	VictoryShares Dividend Accelerator ETF	-0.98%
XMHQ	Invesco S&P MidCap Quality ETF	-0.95%
ABEQ	Absolute Select Value ETF	-0.91%
RDVY	First Trust Rising Dividend Achievers ETF	-0.90%
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	-0.87%

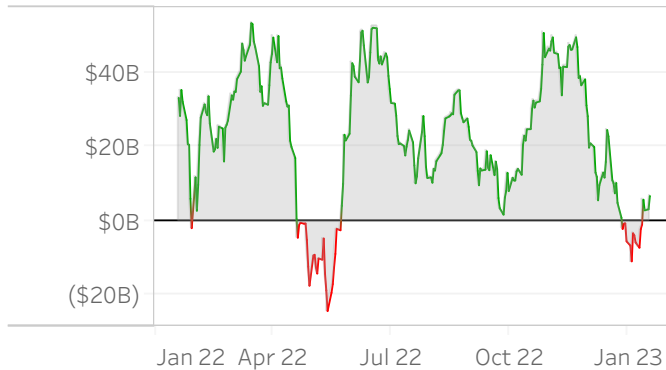
Size & Style Most Oversold

Ticker	Fund	Price
WBIG	WBI BullBear Yield 3000 ETF	40.73
PTLC	Pacer Trendpilot US Large Cap ETF	41.59
RPHS	Regents Park Hedged Market Strategy ETF	43.12
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	47.91
AUSF	Global X Adaptive U.S. Factor ETF	48.50
HUSV	First Trust Horizon Managed Volatility Domestic ETF	48.77
MTUM	iShares MSCI USA Momentum Factor ETF	48.79
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	49.03
SPMO	Invesco S&P 500 Momentum ETF	49.39
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	50.22

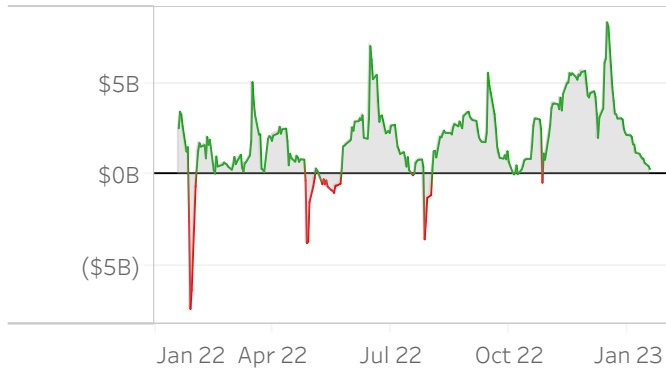
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

*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	25	\$1,227B	(\$0.99B)	\$2.01B	\$32.28B	\$65.33B
Large Cap, Beta, Beta: Growth	10	\$222B	(\$0.07B)	\$7.88B	\$13.46B	\$22.19B
Large Cap, Beta, Beta: Value	11	\$230B	(\$0.32B)	\$0.51B	\$2.53B	\$17.35B
Mid Cap, Beta, Beta	10	\$188B	\$0.23B	\$4.27B	\$7.04B	\$11.87B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.07B)	\$0.08B	\$1.02B	\$0.71B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.03B	\$1.07B	\$1.64B	\$1.39B
Small Cap, Beta, Beta	13	\$199B	\$0.40B	\$3.30B	\$6.56B	\$1.87B
Small Cap, Beta, Beta: Growth	7	\$32B	(\$0.14B)	\$0.74B	\$1.06B	\$1.81B
Small Cap, Beta, Beta: Value	7	\$52B	\$0.06B	\$1.20B	\$0.10B	(\$2.61B)

U.S. Size & Style Flow Leaders

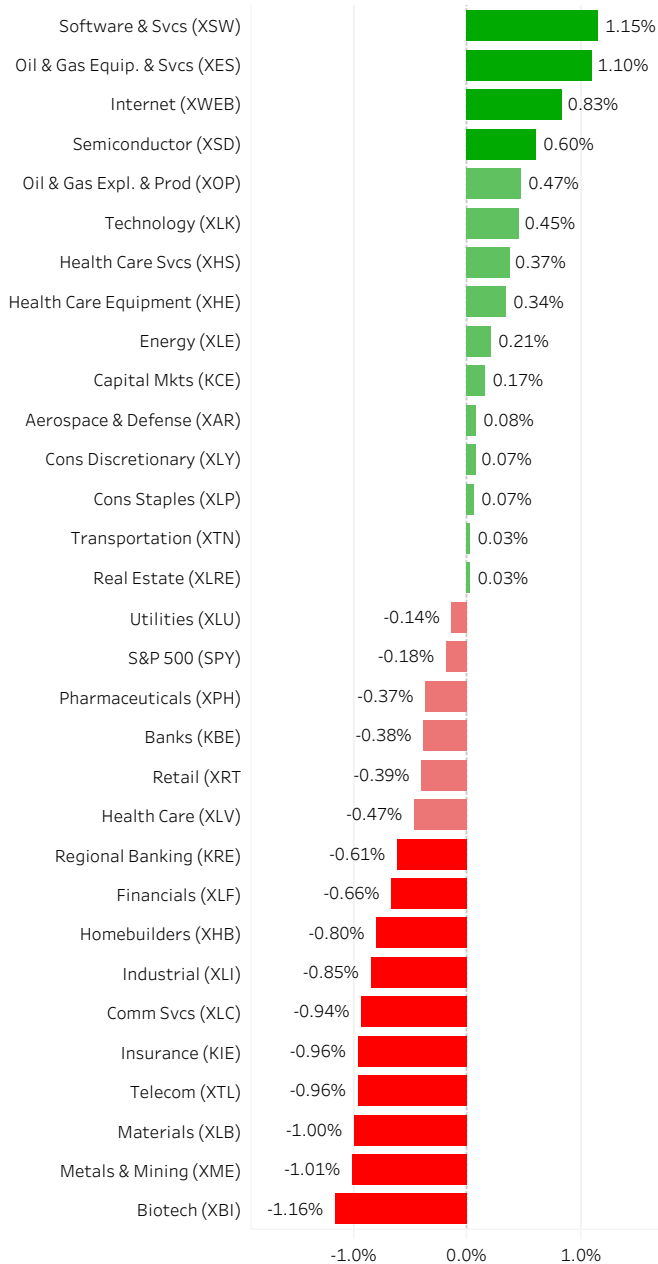
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$0.66B	\$5.63B	\$13.53B	\$25.28B	\$274.14B
SPY	SPDR S&P 500 ETF Trust	\$0.58B	\$1.20B	\$11.01B	(\$10.19B)	\$372.89B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.46B	\$0.60B	\$2.63B	\$3.03B	\$30.69B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.36B	\$2.53B	\$2.69B	\$4.73B	\$34.95B
VOO	Vanguard S&P 500 ETF	\$0.35B	\$2.73B	\$13.36B	\$41.74B	\$274.15B
SCHD	Schwab US Dividend Equity ETF	\$0.22B	\$4.70B	\$8.42B	\$15.29B	\$46.89B
COWZ	Pacer US Cash Cows 100 ETF	\$0.21B	\$2.62B	\$4.34B	\$9.50B	\$11.36B
IJR	iShares Core S&P Small Cap ETF	\$0.18B	\$1.15B	\$3.38B	\$2.28B	\$69.61B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.17B	\$1.67B	\$1.32B	\$0.51B	\$12.28B
IWM	iShares Russell 2000 ETF	\$0.11B	\$0.72B	\$0.57B	(\$1.71B)	\$54.82B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$1.61B)	(\$3.20B)	(\$4.52B)	(\$0.28B)	\$149.33B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.84B)	(\$2.57B)	(\$2.49B)	(\$1.59B)	\$19.68B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.39B)	(\$0.94B)	(\$1.98B)	\$1.61B	\$40.60B
IWD	iShares Russell 1000 Value ETF	(\$0.25B)	\$0.05B	\$0.19B	(\$0.73B)	\$55.34B
IWF	iShares Russell 1000 Growth ETF	(\$0.21B)	\$1.73B	\$1.86B	\$3.09B	\$60.58B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.14B)	(\$0.52B)	(\$1.60B)	(\$6.84B)	\$7.72B
SPLG	SPDR Portfolio S&P 500 ETF	(\$0.14B)	\$0.45B	\$1.34B	\$3.65B	\$15.09B
VIG	Vanguard Dividend Appreciation ETF	(\$0.09B)	\$0.85B	\$1.53B	\$3.59B	\$67.03B
IWB	iShares Russell 1000 ETF	(\$0.09B)	\$0.32B	\$0.86B	\$1.61B	\$28.58B
VBK	Vanguard Small-Cap Growth ETF	(\$0.09B)	\$0.11B	\$0.25B	\$0.32B	\$12.83B

* 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)
XLI	Industrial Select Sector SPDR Fund	-2.98%	22.63%	1.89%	8.07%	58.38
XLE	Energy Select Sector SPDR Fund	-4.19%	36.74%	2.09%	10.55%	60.47
XLV	Health Care Select Sector SPDR Fund	-5.61%	12.45%	-0.84%	3.13%	46.99
XLP	Consumer Staples Select Sector SPDR Fund	-7.17%	12.47%	-0.44%	1.55%	49.47
XLB	Materials Select Sector SPDR Fund	-8.39%	23.22%	3.05%	5.90%	61.90
XLU	Utilities Select Sector SPDR Fund	-8.82%	15.78%	1.16%	0.25%	52.60
XLF	Financial Select Sector SPDR Fund	-12.57%	18.45%	2.55%	6.33%	63.60
SPY	SPDR S&P 500 ETF Trust	-13.82%	11.56%	1.43%	0.82%	60.37
XLK	Technology Select Sector SPDR Fund	-20.10%	12.46%	1.39%	-1.41%	59.98
XLRE	Real Estate Select Sector SPDR Fund	-21.80%	17.18%	3.99%	-2.63%	63.08
XLY	Consumer Discretionary Select Sector SPDR Fund	-27.01%	10.72%	2.01%	-6.06%	63.51
XLC	Communication Services Select Sector SPDR Fund	-31.83%	14.20%	4.69%	-3.83%	65.15

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KBWY	Invesco KBW Premium Yield Equity REIT ETF	1.41%
XSW	SPDR S&P Software & Services ETF	1.15%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	1.10%
NURE	Nuveen Short-Term REIT ETF	1.01%
NETL	NETLease Corporate Real Estate ETF	0.97%
PSJ	Invesco Dynamic Software ETF	0.94%
REZ	iShares Residential and Multisector Real Estate E..	0.90%
PXJ	Invesco Dynamic Oil & Gas Services ETF	0.73%
XSD	SPDR S&P Semiconductor ETF	0.60%
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	0.58%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PEJ	Invesco Dynamic Leisure & Entertainment ETF	71.86
FXD	First Trust Consumer Discretionary AlphaDEX Fund	71.68
ITB	iShares U.S. Home Construction ETF	71.22
RCD	Invesco S&P 500 Equal Weight Consumer Discretionary ..	70.93
KCE	SPDR S&P Capital Markets ETF	70.52
KBWY	Invesco KBW Premium Yield Equity REIT ETF	70.30
KBWD	Invesco KBW High Dividend Yield Financial ETF	70.23
XTN	SPDR S&P Transportation ETF	69.29
XES	SPDR S&P Oil & Gas Equipment & Services ETF	68.87
PNQI	Invesco NASDAQ Internet ETF	68.83

Sector & Industry 1 Day Performance Laggards

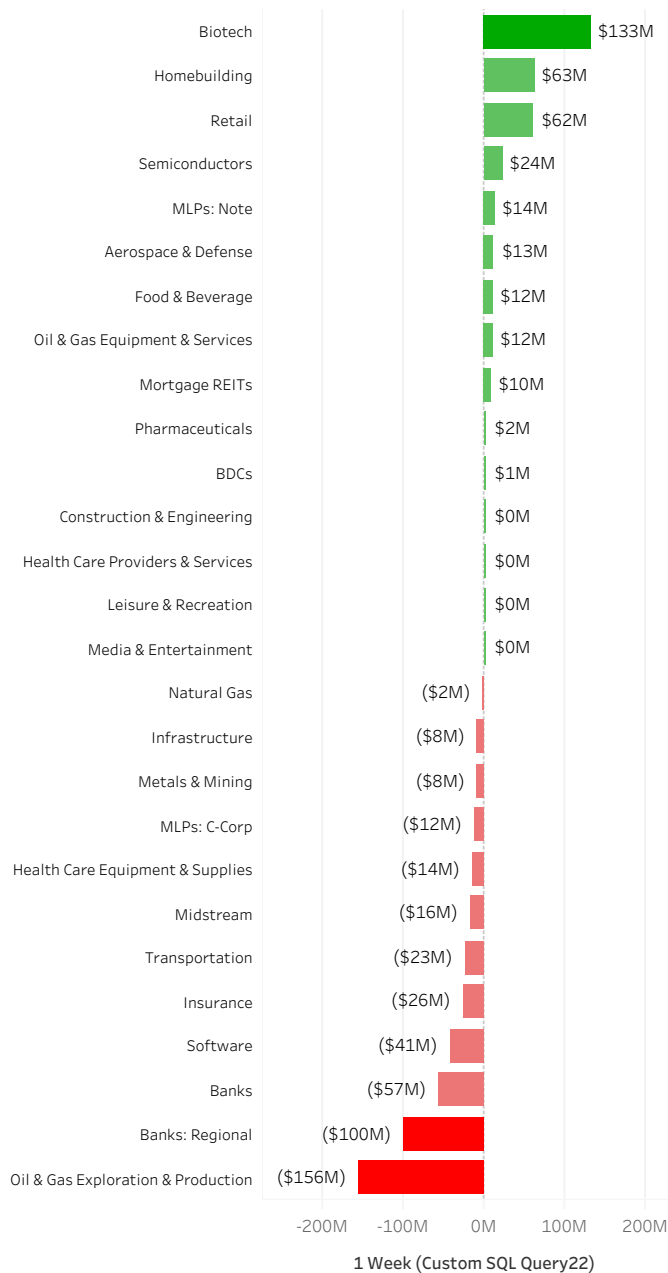
Ticker	Fund	1 Day Performance
KBWP	Invesco KBW Property & Casualty Insurance ETF	-1.77%
IAK	iShares U.S. Insurance ETF	-1.39%
IYM	iShares U.S. Basic Materials ETF	-1.38%
PYZ	Invesco DWA Basic Materials Momentum ETF	-1.28%
XBI	SPDR S&P BIOTECH ETF	-1.16%
FXZ	First Trust Materials AlphaDEX Fund	-1.10%
AIRR	First Trust RBA American Industrial Renaissance ETF	-1.09%
IYZ	iShares U.S. Telecommunications ETF	-1.03%
PAVE	Global X U.S. Infrastructure Development ETF	-1.02%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-1.02%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IHF	iShares U.S. Healthcare Providers ETF	44.09
IYK	iShares U.S. Consumer Staples ETF	46.77
XLV	Health Care Select Sector SPDR Fund	46.99
PINK	Simplify Health Care ETF	47.92
IYH	iShares U.S. Healthcare ETF	48.93
XLP	Consumer Staples Select Sector SPDR Fund	49.47
FTXG	First Trust Nasdaq Food & Beverage ETF	49.80
FHLC	Fidelity MSCI Health Care Index ETF	49.97
VHT	Vanguard Health Care ETF	50.35
ITA	iShares U.S. Aerospace & Defense ETF	51.07

* 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	\$13B	\$140M	\$441M	(\$130M)	(\$659M)
Consumer Discretionary	12	\$21B	\$99M	(\$335M)	\$211M	(\$5,695M)
Consumer Staples	10	\$30B	\$198M	\$2,225M	\$2,879M	\$7,293M
Energy	32	\$82B	(\$150M)	(\$308M)	(\$613M)	(\$2,785M)
Financials	26	\$61B	(\$339M)	\$445M	\$755M	(\$17,413M)
Health Care	23	\$98B	\$99M	\$3,190M	\$2,033M	\$9,659M
Industrial	13	\$32B	(\$184M)	\$1,977M	\$1,445M	(\$2,194M)
Materials	9	\$15B	\$166M	\$277M	(\$1,067M)	(\$1,401M)
Multi-Sector	19	\$14B	\$42M	\$33M	(\$1,764M)	(\$6,740M)
Real Estate	25	\$62B	\$21M	\$126M	(\$1,335M)	(\$6,262M)
Technology	23	\$115B	(\$13M)	\$1,083M	\$726M	(\$1,187M)
Utilities	9	\$26B	(\$11M)	(\$558M)	(\$132M)	\$5,089M

U.S. Sector & Industry Flow Leaders

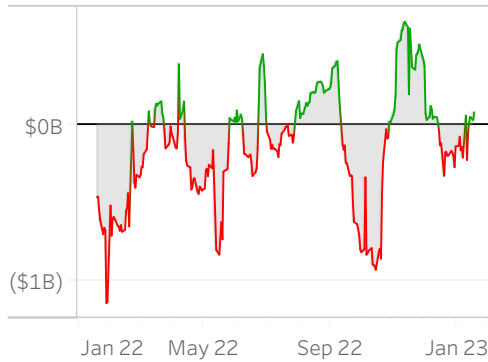
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$252M	(\$586M)	\$111M	(\$2,259M)	\$41,904M
XBI	SPDR S&P BIOTECH ETF	\$202M	\$1,470M	\$877M	\$3,279M	\$9,013M
XLP	Consumer Staples Select Sector SPDR Fund	\$172M	\$1,628M	\$2,018M	\$3,723M	\$17,602M
XLB	Materials Select Sector SPDR Fund	\$141M	\$75M	(\$554M)	(\$1,757M)	\$6,010M
IYW	iShares U.S. Technology ETF	\$109M	\$1,813M	\$2,018M	\$1,550M	\$8,338M
XLC	Communication Services Select Sector SPDR Fu..	\$104M	\$455M	(\$179M)	(\$371M)	\$8,918M
FUTY	Fidelity MSCI Utilities Index ETF	\$90M	\$88M	\$143M	\$1,035M	\$2,241M
XLRE	Real Estate Select Sector SPDR Fund	\$87M	\$188M	\$303M	\$278M	\$5,360M
XRT	SPDR S&P Retail ETF	\$62M	\$16M	(\$16M)	\$230M	\$363M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$42M	(\$261M)	\$595M	(\$2,553M)	\$13,861M

U.S. Sector & Industry Flow Laggards

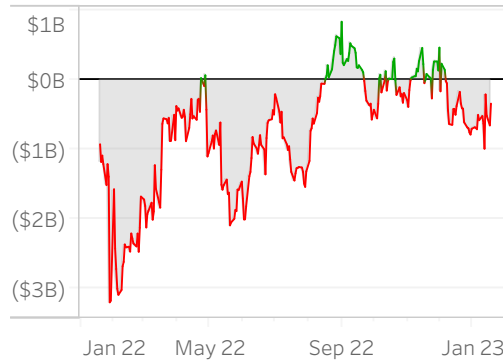
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IYE	iShares U.S. Energy ETF	(\$274M)	(\$325M)	(\$1,015M)	(\$1,744M)	\$2,023M
XLF	Financial Select Sector SPDR Fund	(\$166M)	\$1,402M	\$1,388M	(\$9,667M)	\$33,482M
XLI	Industrial Select Sector SPDR Fund	(\$163M)	\$1,018M	\$791M	(\$2,781M)	\$14,902M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$149M)	(\$27M)	(\$526M)	(\$1,240M)	\$4,262M
XLU	Utilities Select Sector SPDR Fund	(\$122M)	(\$502M)	(\$346M)	\$3,289M	\$16,398M
KRE	SPDR S&P Regional Banking ETF	(\$97M)	(\$664M)	(\$400M)	(\$2,133M)	\$2,620M
VNQ	Vanguard Real Estate ETF	(\$79M)	(\$385M)	(\$1,501M)	(\$3,048M)	\$35,391M
IBB	iShares Biotechnology ETF	(\$61M)	\$529M	\$89M	\$11M	\$9,008M
XLK	Technology Select Sector SPDR Fund	(\$52M)	\$55M	\$762M	\$480M	\$39,416M
VGT	Vanguard Information Technology ETF	(\$50M)	\$93M	(\$787M)	(\$446M)	\$40,774M

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

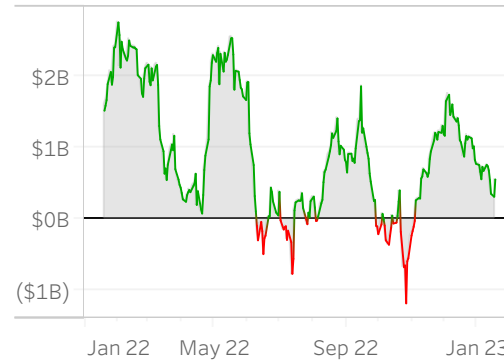
Communication Services



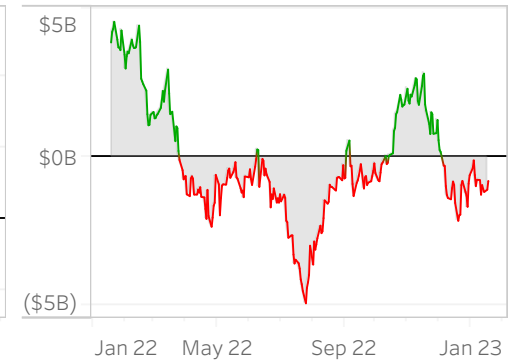
Consumer Discretionary



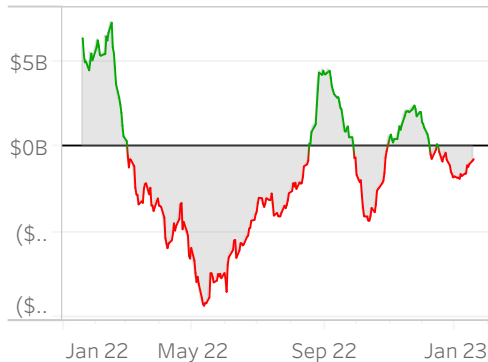
Consumer Staples



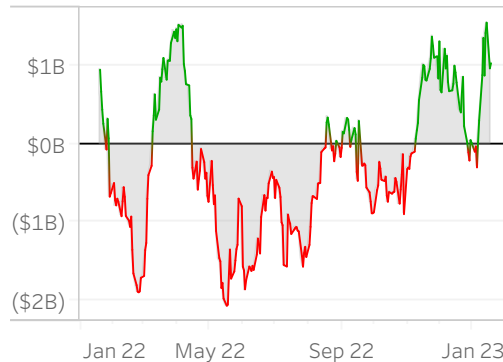
Energy



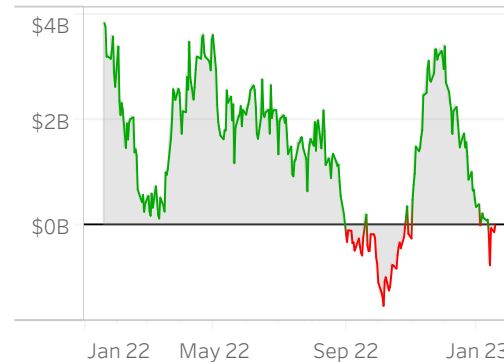
Financials



Industrial



Health Care



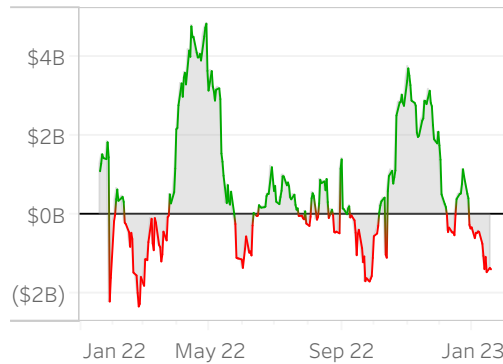
Materials



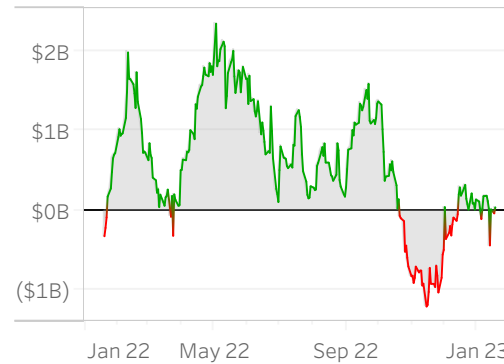
Real Estate



Technology



Utilities

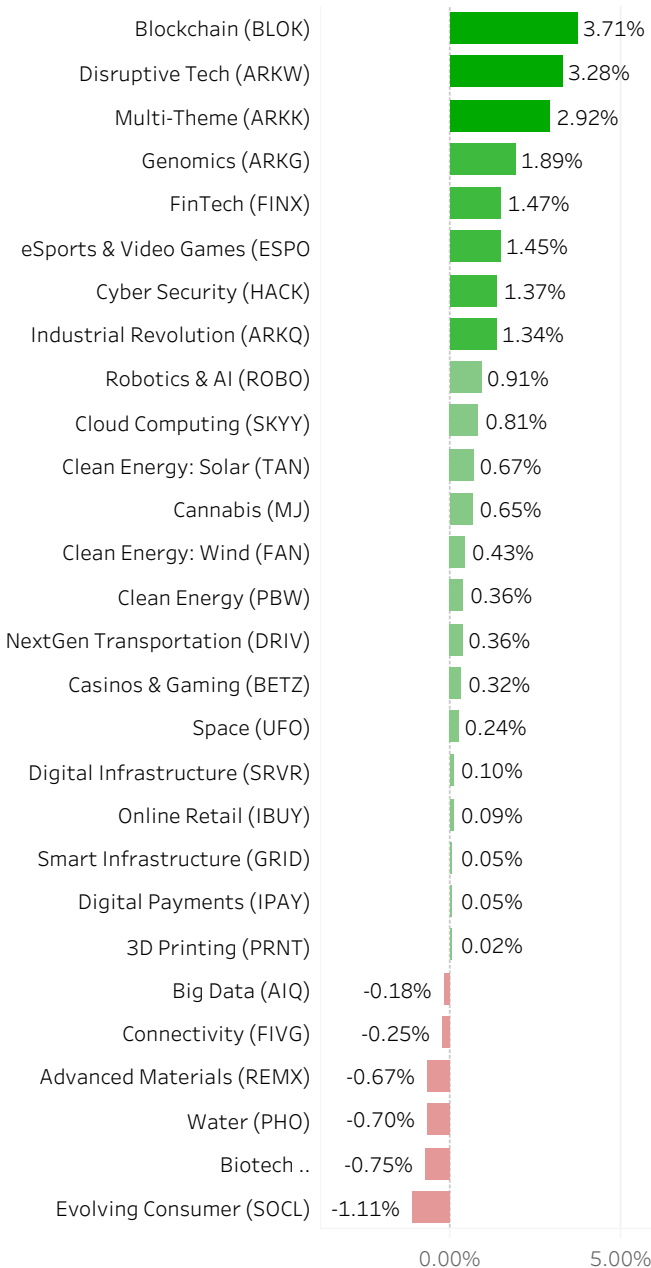


Multi-Sector

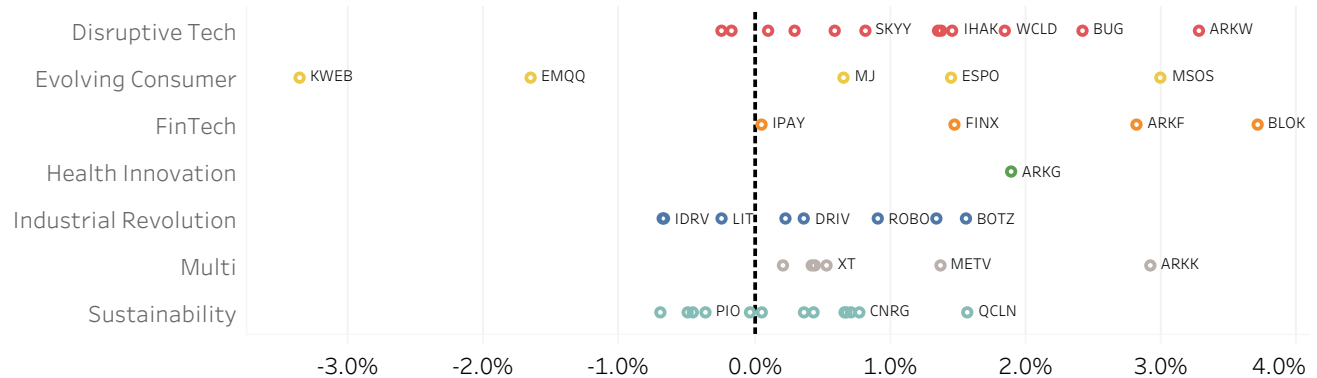


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	7.47%
BKCH	Global X Blockchain ETF	6.68%
BLOK	Amplify Transformational Data Sharing ETF	3.71%
ARKW	ARK Next Generation Internet ETF	3.28%
MSOS	AdvisorShares Pure US Cannabis ETF	2.99%
ARKK	ARK Innovation ETF	2.92%
ARKF	ARK Fintech Innovation ETF	2.82%
BUG	Global X Cybersecurity ETF	2.42%
MJUS	ETFMG U.S. Alternative Harvest ETF	2.01%
ARKG	ARK Genomic Revolution ETF	1.89%

Thematic Most Overbought

Ticker	Fund	Price
BITQ	Bitwise Crypto Industry Innovators ETF	79.15
BKCH	Global X Blockchain ETF	77.70
AWAY	ETFMG Travel Tech ETF	75.76
BLOK	Amplify Transformational Data Sharing ETF	75.02
EBIZ	Global X E-Commerce ETF	72.63
IBUY	Amplify Online Retail ETF	72.56
LEGR	First Trust Indxx Innovative Transaction & Process ETF	72.19
ROBO	ROBO Global Robotics & Automation Index ETF	71.97
BOTZ	Global X Robotics & Artificial Intelligence ETF	71.46
GBUY	Goldman Sachs Future Consumer Equity ETF	71.31

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	-3.36%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-1.66%
SOCL	Global X Social Media ETF	-1.11%
EBIZ	Global X E-Commerce ETF	-1.01%
BJK	VanEck Gaming ETF	-0.87%
SBIO	ALPS Medical Breakthroughs ETF	-0.75%
PHO	Invesco Water Resources ETF	-0.70%
IDRV	iShares Self-driving EV & Tech ETF	-0.68%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.67%
KARS	KraneShares Electric Vehicles & Future Mobility Index ..	-0.52%

Thematic Most Oversold

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	42.13
MJUS	ETFMG U.S. Alternative Harvest ETF	45.54
YOLO	AdvisorShares Pure Cannabis ETF	50.98
BUG	Global X Cybersecurity ETF	51.03
SAMT	Strategas Macro Thematic Opportunities ETF	51.11
MJ	ETFMG Alternative Harvest ETF	51.68
HACK	ETFMG Prime Cyber Security ETF	52.97
CIBR	First Trust NASDAQ Cybersecurity ETF	53.16
IHAK	iShares Cybersecurity & Tech ETF	53.86
GDOC	Goldman Sachs Future Health Care Equity ETF	54.24

* 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	
KWEB	KraneShares CSI China Internet ETF	\$202M
SKYY	First Trust Cloud Computing ETF	\$21M
ARKG	ARK Genomic Revolution ETF	\$17M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$10M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$9M
AGNG	Global X Aging Population ETF	\$7M
TAN	Invesco Solar ETF	\$7M
WNDY	Global X Wind Energy ETF	\$5M
ONLN	ProShares Online Retail ETF	\$5M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M

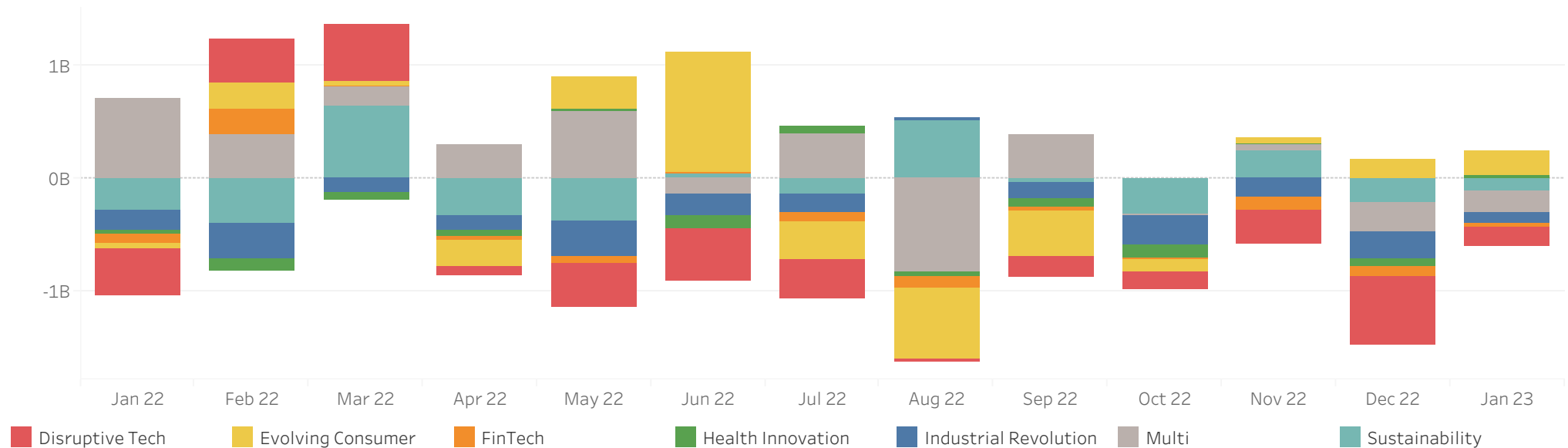
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$138M)
IBUY	Amplify Online Retail ETF	(\$20M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$10M)
HACK	ETFMG Prime Cyber Security ETF	(\$9M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$8M)
AIQ	Global X Artificial Intelligence & Technology ETF	(\$8M)
ARKX	ARK Space Exploration & Innovation ETF	(\$7M)
IHAK	iShares Cybersecurity & Tech ETF	(\$7M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$7M)
TARK	AXS 2X Innovation ETF	(\$6M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$7M)	(\$1,142M)	(\$1,468M)	(\$2,212M)
Evolving Consumer	46	\$11B	\$104M	\$355M	(\$1,026M)	\$290M
FinTech	20	\$3B	\$1M	(\$246M)	(\$455M)	(\$391M)
Health Innovation	19	\$3B	\$8M	(\$47M)	(\$379M)	(\$558M)
Industrial Revolution	31	\$10B	\$5M	(\$611M)	(\$919M)	(\$2,314M)
Multi	41	\$14B	(\$136M)	(\$289M)	(\$760M)	\$1,514M
Sustainability	40	\$18B	\$10M	(\$327M)	(\$10M)	(\$801M)
Grand Total	232	\$75B	(\$16M)	(\$2,306M)	(\$5,017M)	(\$4,473M)

Thematic Monthly Flows

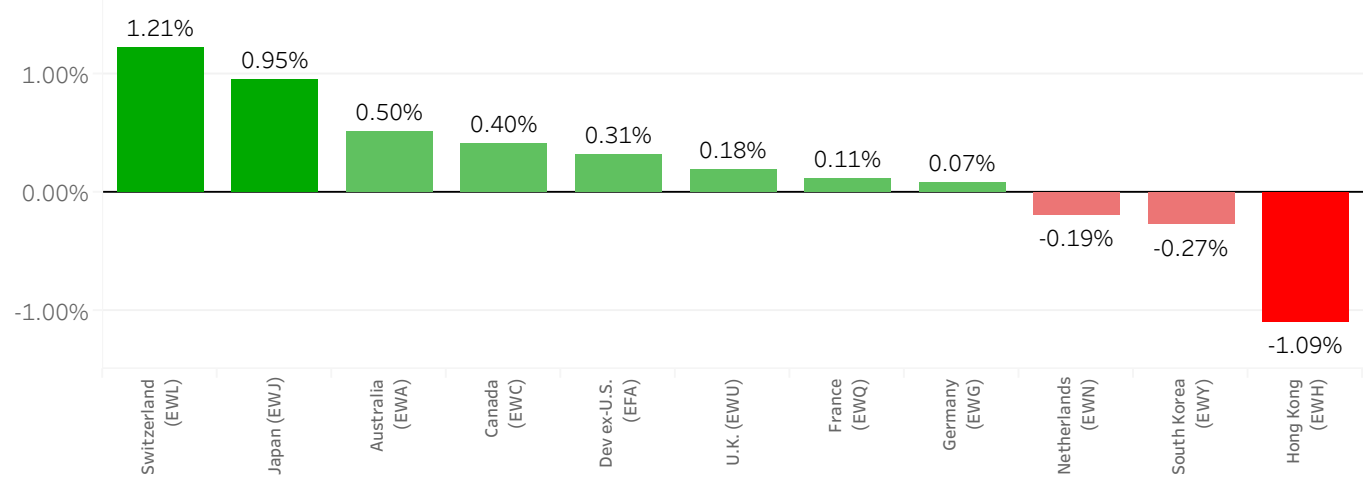


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

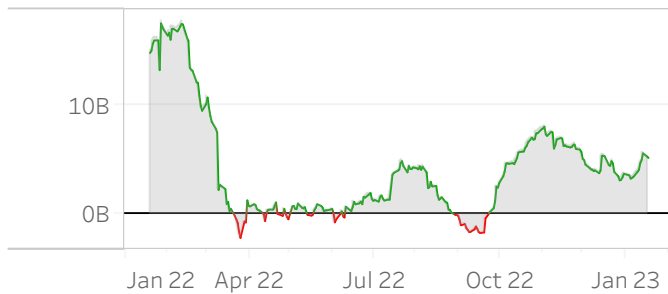
Developed ex-U.S. (EFA)



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



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



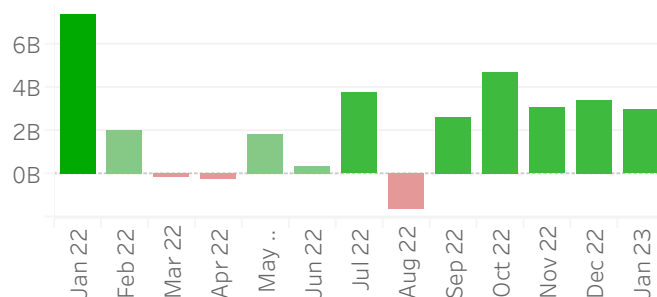
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIS	iShares MSCI Israel ETF	1.67%
CIL	VictoryShares International Volatility Wtd ETF	1.63%
ENZL	iShares MSCI New Zealand ETF	1.48%
GREK	Global X MSCI Greece ETF	1.36%
ISRA	VanEck Israel ETF	1.32%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.28%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.24%
EWL	iShares MSCI Switzerland ETF	1.21%
FLSW	Franklin FTSE Switzerland ETF	1.17%
EDEN	iShares MSCI Denmark ETF	1.16%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
IMFL	Invesco International Developed Dynamic Multifactor ETF	79.86
GREK	Global X MSCI Greece ETF	78.56
EWG	iShares MSCI Germany ETF	78.29
FEP	First Trust Europe AlphaDEX Fund	77.30
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	76.88
EWQ	iShares MSCI France ETF	76.35
DISV	Dimensional International Small Cap Value ETF	76.25
EWP	iShares MSCI Spain ETF	76.11
IVLU	iShares MSCI Intl Value Factor ETF	76.04
DTH	WisdomTree International High Dividend Fund	75.97

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
MINV	Matthews Asia Innovators Active ETF	-1.61%
EWH	iShares MSCI Hong Kong ETF	-1.09%
AIA	iShares Asia 50 ETF	-1.06%
EIRL	iShares MSCI Ireland ETF	-0.69%
EWP	iShares MSCI Spain ETF	-0.64%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.61%
EWD	iShares MSCI Sweden ETF	-0.57%
IDOG	ALPS International Sector Dividend Dogs ETF	-0.48%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-0.31%
EWS	iShares MSCI Singapore ETF	-0.30%

Developed ex-U.S. Most Oversold

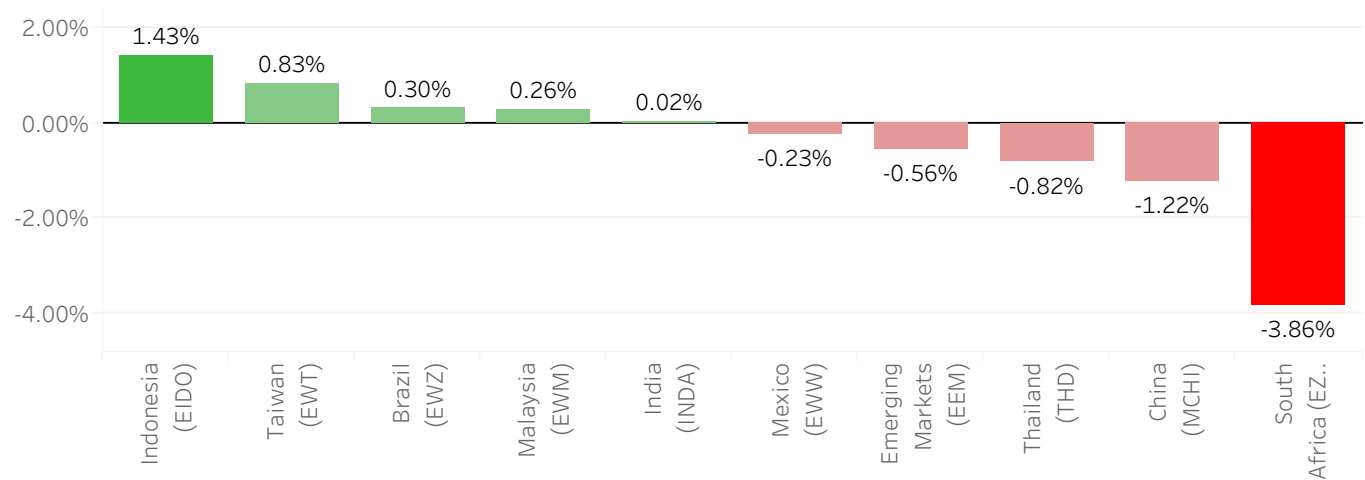
Ticker	Fund	Price
HEWJ	iShares Currency Hedged MSCI Japan ETF	36.08
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	52.89
IMOM	Alpha Architect International Quantitative Moment..	53.00
NORW	Global X MSCI Norway ETF	53.12
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	53.90
DXJ	WisdomTree Japan Hedged Equity Fund	53.96
HEFA	iShares Currency Hedged MSCI EAFE ETF	57.22
IVAL	Alpha Architect International Quantitative Value ETF	57.98
EWH	iShares MSCI Hong Kong ETF	58.86
LVHI	Franklin International Low Volatility High Dividend I..	58.86

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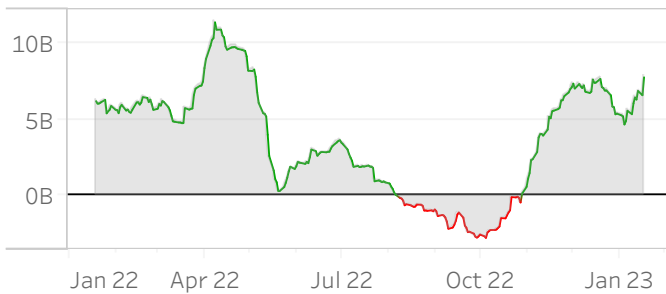
Emerging (EEM)



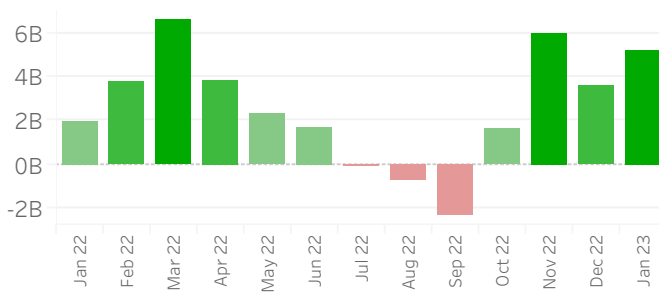
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	6.74%
EMXF	iShares ESG Advanced MSCI EM ETF	3.73%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	1.67%
EIDO	iShares MSCI Indonesia ETF	1.43%
FEM	First Trust Emerging Markets AlphaDEX Fund	1.29%
PIE	Invesco DWA Emerging Markets Momentum ETF	1.02%
EWZS	iShares MSCI Brazil Small-Cap ETF	0.88%
FLTW	Franklin FTSE Taiwan ETF	0.87%
UEVM	VictoryShares Emerging Markets Value Momentum ETF	0.85%
EWT	iShares MSCI Taiwan ETF	0.83%

Emerging Most Overbought

Ticker	Fund	Price
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	77.17
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	76.28
CNYA	iShares MSCI China A ETF	75.44
EDIV	SPDR S&P Emerging Markets Dividend ETF	75.13
PXH	Invesco FTSE RAFI Emerging Markets ETF	73.55
EPHE	iShares MSCI Philippines ETF	73.50
EWW	iShares MSCI Mexico ETF	73.14
DEM	WisdomTree Emerging Markets High Dividend Fund	72.98
TLTE	FlexShares Morningstar Emerging Markets Factor Til..	72.66
NUEM	Nuveen ESG Emerging Markets Equity ETF	72.55

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EZA	iShares MSCI South Africa ETF	-3.86%
QAT	iShares MSCI Qatar ETF	-3.78%
PGJ	Invesco Golden Dragon China ETF	-3.26%
FXI	iShares China Large-Cap ETF	-2.18%
EPOL	iShares MSCI Poland ETF	-2.01%
EPU	iShares MSCI Peru ETF	-1.87%
ECNS	iShares MSCI China Small-Cap ETF	-1.84%
GXC	SPDR S&P China ETF	-1.41%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.36%
FLCH	Franklin FTSE China ETF	-1.32%

Emerging Most Oversold

Ticker	Fund	Price
QAT	iShares MSCI Qatar ETF	35.31
PIN	Invesco India ETF	36.35
INDY	iShares India 50 ETF	50.41
SMIN	iShares MSCI India Small Cap ETF	50.48
GLIN	VanEck India Growth Leaders ETF	51.53
NFTY	First Trust India NIFTY 50 Equal Weight ETF	51.73
FLIN	Franklin FTSE India ETF	53.65
INDA	iShares MSCI India ETF	53.90
EIDO	iShares MSCI Indonesia ETF	54.41
TUR	iShares MSCI Turkey ETF	54.71

*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	-0.18%	0.39%	2.84%
SHY	1-3 Year Treasury Bonds	0.06%	0.32%	0.64%
IEF	7-10 Year Treasury Bonds	-0.31%	0.07%	3.03%
TLT	20+ Year Treasury Bonds	-0.65%	-0.98%	6.53%
TIP	TIPS Bonds	-0.29%	0.26%	1.33%
FLOT	Floating Rate Bonds	-0.04%	0.56%	0.18%
LQD	Investment Grade Corporate	-0.36%	0.93%	4.40%
HYG	High Yield Corporate	-0.34%	2.39%	3.73%
BKLN	Senior Loan	0.09%	2.26%	3.02%
PFF	Preferred & Income Securities	1.01%	5.22%	7.63%
MUB	Municipal Bonds	0.01%	1.22%	1.93%
MBB	MBS	-0.23%	0.35%	2.85%
EMB	Dollar Denominated EM Bonds	0.10%	2.38%	3.92%
LEMB	Local Currency EM Bond	-0.46%	3.75%	2.82%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.72%	0.06%	-0.21%
DBE	Energy	0.98%	3.44%	-0.44%
USO	WTI Crude Oil	1.16%	9.18%	1.07%
BNO	Brent Crude Oil	1.53%	9.26%	0.92%
UNG	Natural Gas	4.71%	-42.54%	-18.09%
UGA	Gasoline	0.91%	19.52%	3.09%
DBP	Precious Metals	-0.69%	5.84%	3.53%
GLD	Gold	-0.65%	6.48%	4.69%
SLV	Silver	-1.43%	2.99%	-0.05%
PPLT	abrdn Physical Platin..	-2.47%	4.81%	-2.74%
PALL	abrdn Physical Palla..	-2.58%	1.30%	-1.98%
DBB	Base Metals	0.46%	10.91%	11.57%
CPER	Copper	0.47%	12.69%	11.17%
LD	Lead	-1.19%	2.81%	-3.42%
JJN	Nickel	-1.01%	-6.79%	-10.79%
JJU	Aluminum	1.44%	10.40%	9.43%
JJT	Tin	-1.25%	20.99%	13.27%
DBA	Agriculture	0.36%	-0.32%	-2.73%
CORN	Corn	1.28%	3.49%	0.15%
SOYB	Soybeans	0.28%	2.93%	0.00%
WEAT	Wheat	0.93%	-0.92%	-5.01%
CANE	Sugar	1.71%	0.29%	0.10%
BAL	Cotton	0.35%	1.24%	-0.63%
NIB	Cocoa	-0.44%	8.34%	2.46%
JO	Coffee	-0.21%	-8.30%	-9.65%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.29%	-1.83%	-0.93%
UDN	Short Dollar	-0.21%	2.56%	1.24%
FXE	Euro	-0.38%	1.91%	0.81%
FXB	British Pound Sterling	0.38%	1.13%	1.82%
FXF	Swiss Franc	0.38%	1.27%	0.20%
FXJ	Japanese Yen	-0.29%	6.64%	2.33%
FXC	Canadian Dollar	0.08%	2.42%	1.24%
FXA	Australian Dollar	0.06%	4.50%	2.61%

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