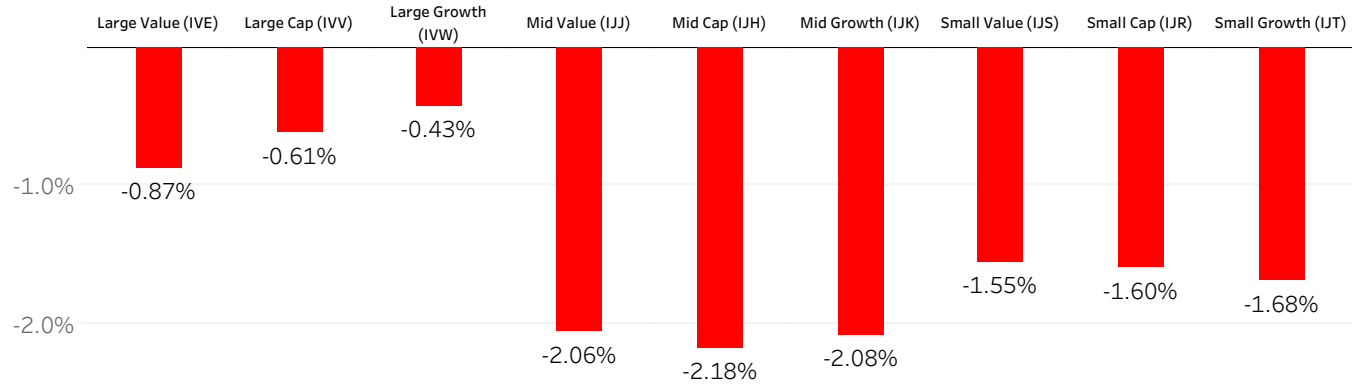


### Large Cap Blend (S&P 500) IVV



### U.S. Size & Style 1-Day Performance



### Mid Cap Blend (S&P 400) IJH



### Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
QQQM	Invesco NASDAQ 100 ETF	0.55%
QQQ	Invesco QQ Trust	0.52%
PTNQ	Pacer Trendpilot 100 ETF	0.51%
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	0.45%
ONEQ	Fidelity Nasdaq Composite Index ETF	0.38%
IWY	iShares Russell Top 200 Growth ETF	0.32%
MGK	Vanguard Mega Cap Growth ETF	0.30%
TMFC	Motley Fool 100 Index ETF	0.16%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	0.15%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.12%

### Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	55.76
QQQ	Invesco QQ Trust	54.20
QQQM	Invesco NASDAQ 100 ETF	54.11
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	53.16
PTNQ	Pacer Trendpilot 100 ETF	52.86
MGK	Vanguard Mega Cap Growth ETF	52.48
IWY	iShares Russell Top 200 Growth ETF	51.86
SCHG	Schwab U.S. Large-Cap Growth ETF	51.14
QQH	HCM Defender 100 Index ETF	50.64
XLG	Invesco S&P 500 Top 50 ETF	50.44

### Small Cap Blend (S&P 600) IJR



### Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
QVAL	Alpha Architect US Quantitative Value ETF	-4.46%
QMOM	Momentumshares US Quantitative Momentum ETF	-3.94%
EQRR	ProShares Equities for Rising Rates ETF	-3.76%
LSAF	LeaderShares AlphaFactor US Core Equity ETF	-3.46%
RPG	Invesco S&P 500 Pure Growth ETF	-3.15%
SYLD	Cambria Shareholder Yield ETF	-3.13%
XMVM	Invesco S&P MidCap Value with Momentum ETF	-3.12%
DWAS	Invesco DWA SmallCap Momentum ETF	-2.98%
COWZ	Pacer US Cash Cows 100 ETF	-2.97%
VFMF	Vanguard U.S. Multifactor ETF	-2.89%

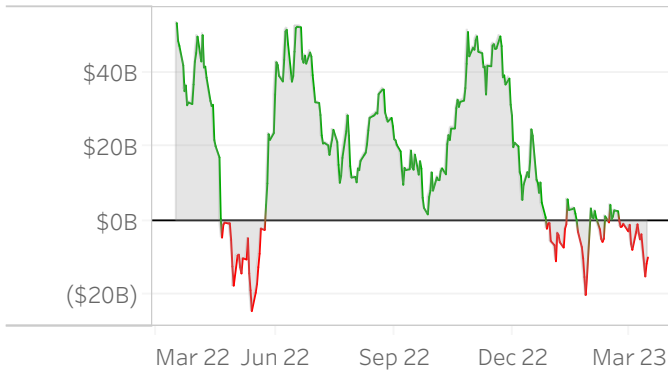
### Size & Style Most Oversold

Ticker	Fund	Value
DIV	Global X SuperDividend US ETF	18.59
RPV	Invesco S&P 500 Pure Value ETF	20.86
SPDV	AAM S&P 500 High Dividend Value ETF	21.87
RDIV	Invesco S&P Ultra Dividend Revenue ETF	22.10
SPVU	Invesco S&P 500 Enhanced Value ETF	22.47
EQRR	ProShares Equities for Rising Rates ETF	22.60
VFVA	Vanguard U.S. Value Factor ETF	22.90
NUMV	Nuveen ESG Mid-Cap Value ETF	23.00
GVLU	Gotham 1000 Value ETF	23.29
WBIG	WBI BullBear Yield 3000 ETF	24.00

■ 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	\$1,202B	(\$5.67B)	(\$25.15B)	\$3.12B	\$30.29B
Large Cap, Beta, Beta: Growth	10	\$228B	\$0.94B	(\$0.25B)	\$9.13B	\$21.20B
Large Cap, Beta, Beta: Value	11	\$218B	\$1.40B	(\$8.19B)	\$3.16B	\$7.38B
Mid Cap, Beta, Beta	10	\$182B	\$1.43B	\$1.73B	\$6.36B	\$10.63B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.34B	(\$0.67B)	(\$0.48B)	\$0.39B
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.97B	(\$2.12B)	\$1.48B	\$1.54B
Small Cap, Beta, Beta	13	\$191B	\$1.30B	\$1.04B	\$5.87B	\$0.49B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.34B	(\$0.19B)	\$0.73B	\$0.66B
Small Cap, Beta, Beta: Value	7	\$50B	\$0.93B	(\$0.50B)	\$1.88B	(\$2.34B)

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

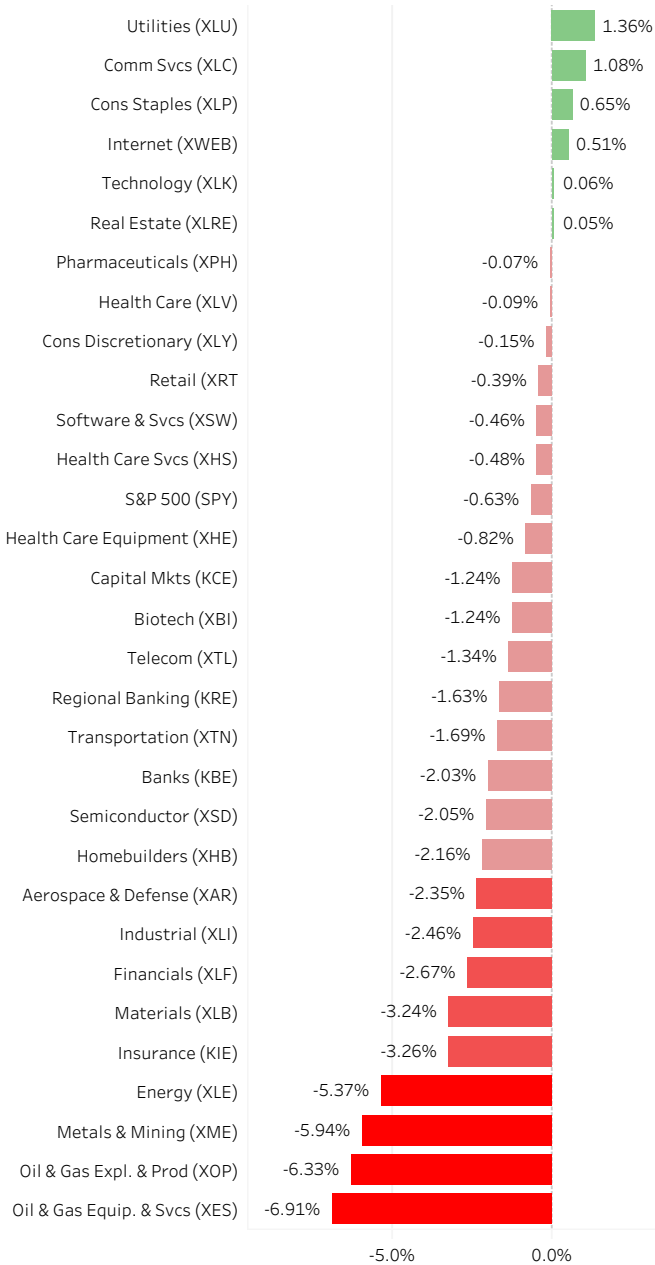
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$2.55B	\$6.23B	\$11.86B	\$19.68B	\$273.25B
VO	Vanguard Mid-Cap ETF	\$2.02B	\$0.91B	\$1.71B	\$2.78B	\$52.34B
VTV	Vanguard Value ETF	\$1.65B	\$4.69B	\$1.47B	\$6.48B	\$100.76B
VB	Vanguard Small-Cap ETF	\$1.35B	\$1.60B	\$1.67B	(\$0.17B)	\$43.42B
VUG	Vanguard Growth ETF	\$0.98B	\$2.23B	\$3.80B	\$9.84B	\$76.87B
VBR	Vanguard Small Cap Value ETF	\$0.88B	\$0.78B	\$1.45B	(\$0.46B)	\$24.89B
VOE	Vanguard Mid-Cap Value ETF	\$0.79B	\$0.22B	\$0.63B	\$1.13B	\$16.28B
VOT	Vanguard Mid-Cap Growth ETF	\$0.35B	\$0.07B	(\$0.05B)	\$0.07B	\$10.08B
VBK	Vanguard Small-Cap Growth ETF	\$0.34B	\$0.32B	\$0.56B	\$0.40B	\$13.09B
QQQ	Invesco QQQ Trust	\$0.27B	(\$1.48B)	(\$2.86B)	\$1.27B	\$159.30B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$5.91B)	(\$22.51B)	(\$6.53B)	(\$7.63B)	\$347.66B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.47B)	(\$2.34B)	(\$0.99B)	(\$0.45B)	\$26.97B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.44B)	(\$0.71B)	\$0.04B	(\$0.41B)	\$18.04B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.42B)	\$1.65B	\$3.35B	\$4.26B	\$33.90B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.29B)	(\$1.48B)	(\$0.36B)	\$2.19B	\$27.57B
IWD	iShares Russell 1000 Value ETF	(\$0.21B)	(\$3.48B)	(\$2.09B)	(\$3.25B)	\$49.51B
DLN	WisdomTree U.S. LargeCap Dividend Fund	(\$0.16B)	(\$0.24B)	(\$0.12B)	\$0.28B	\$3.38B
IWM	iShares Russell 2000 ETF	(\$0.16B)	(\$3.14B)	\$0.49B	(\$4.05B)	\$50.74B
VOO	Vanguard S&P 500 ETF	(\$0.14B)	\$2.54B	\$6.41B	\$20.30B	\$271.30B
DVY	iShares Select Dividend ETF	(\$0.12B)	(\$0.17B)	\$0.63B	\$2.19B	\$21.51B

\* 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	-7.33%	17.13%	-4.23%	1.94%	34.49
XLP	Consumer Staples Select Sector SPDR Fund	-9.90%	9.16%	-0.79%	-0.51%	50.33
XLV	Health Care Select Sector SPDR Fund	-11.56%	5.36%	-3.85%	-3.16%	39.45
XLU	Utilities Select Sector SPDR Fund	-14.02%	9.18%	-1.39%	-3.81%	52.59
XLK	Technology Select Sector SPDR Fund	-14.53%	19.89%	2.59%	5.50%	54.25
SPY	SPDR S&P 500 ETF Trust	-15.66%	9.18%	-2.74%	-0.71%	40.52
XLB	Materials Select Sector SPDR Fund	-16.26%	12.64%	-7.50%	-2.27%	31.28
XLE	Energy Select Sector SPDR Fund	-17.77%	14.62%	-11.13%	-6.26%	27.71
XLF	Financial Select Sector SPDR Fund	-20.48%	3.70%	-11.76%	-7.23%	22.13
XLC	Communication Services Select Sector SPDR Fund	-23.71%	19.62%	0.49%	3.06%	52.32
XLY	Consumer Discretionary Select Sector SPDR Fund	-26.58%	11.38%	-2.35%	-3.69%	42.20
XLRE	Real Estate Select Sector SPDR Fund	-26.72%	9.80%	-5.09%	-5.83%	40.30

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XLU	Utilities Select Sector SPDR Fund	1.36%
FDN	First Trust Dow Jones Internet Index Fund	1.23%
VPU	Vanguard Utilities ETF	1.17%
FUTY	Fidelity MSCI Utilities Index ETF	1.16%
IDU	iShares U.S. Utilities ETF	1.10%
XLC	Communication Services Select Sector SPDR Fund	1.08%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	1.01%
FCOM	Fidelity MSCI Communication Services Index ETF	0.98%
VOX	Vanguard Communication Services ETF	0.89%
XLP	Consumer Staples Select Sector SPDR Fund	0.65%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IYW	iShares U.S. Technology ETF	55.53
XLK	Technology Select Sector SPDR Fund	54.25
XLU	Utilities Select Sector SPDR Fund	52.59
FTEC	Fidelity MSCI Information Technology Index ETF	52.42
IDU	iShares U.S. Utilities ETF	52.37
VGT	Vanguard Information Technology ETF	52.35
XLC	Communication Services Select Sector SPDR Fund	52.32
IGM	iShares Expanded Tech Sector ETF	52.02
VPU	Vanguard Utilities ETF	51.92
FUTY	Fidelity MSCI Utilities Index ETF	51.75

### Sector & Industry 1 Day Performance Laggards

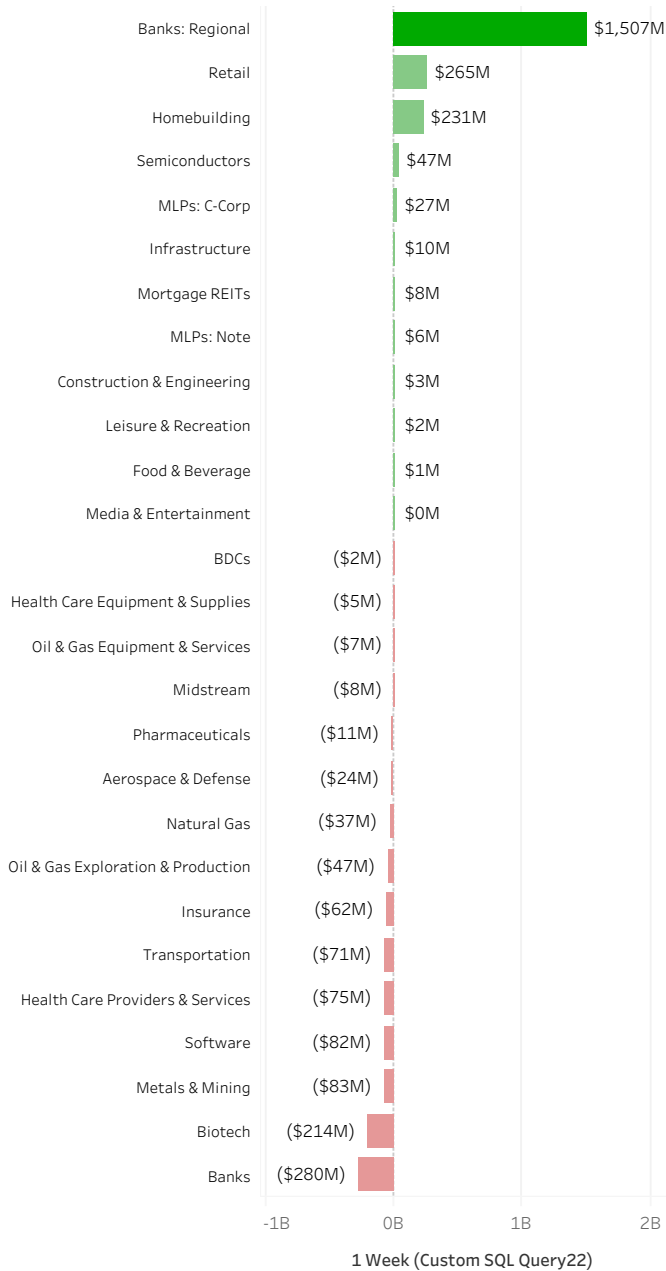
Ticker	Fund	1 Day Performance
IEZ	iShares U.S. Oil Equipment & Services ETF	-7.32%
PXI	Invesco DWA Energy Momentum ETF	-7.29%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-6.91%
PSCE	Invesco S&P SmallCap Energy ETF	-6.75%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-6.63%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-6.62%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-6.33%
FCG	First Trust Natural Gas ETF	-6.03%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-6.00%
XME	SPDR S&P Metals & Mining ETF	-5.94%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IAT	iShares U.S. Regional Banks ETF	12.37
KRE	SPDR S&P Regional Banking ETF	14.67
KBE	SPDR S&P Bank ETF	15.99
FTXO	First Trust Nasdaq Bank ETF	16.15
KBWB	Invesco KBW Bank ETF	16.97
RYF	Invesco S&P 500 Equal Weight Financials ETF	17.98
KBWR	Invesco KBW Regional Banking ETF	18.95
FXO	First Trust Financials AlphaDEX Fund	19.23
IAK	iShares U.S. Insurance ETF	21.83
MORT	VanEck Mortgage REIT Income ETF	21.88

\* 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	\$12B	(\$46M)	(\$328M)	(\$170M)	(\$953M)
Consumer Discretionary	12	\$21B	\$213M	(\$198M)	(\$837M)	(\$2,885M)
Consumer Staples	10	\$29B	\$166M	(\$264M)	\$901M	\$4,582M
Energy	32	\$73B	(\$1,143M)	(\$2,293M)	(\$1,982M)	(\$7,773M)
Financials	26	\$55B	\$322M	\$1,004M	\$185M	(\$13,615M)
Health Care	23	\$88B	(\$196M)	(\$3,555M)	(\$1,365M)	\$5,582M
Industrial	13	\$32B	(\$197M)	\$1,428M	\$1,573M	(\$938M)
Materials	9	\$14B	(\$221M)	\$749M	\$429M	(\$2,020M)
Multi-Sector	19	\$14B	\$257M	\$38M	(\$787M)	(\$3,401M)
Real Estate	25	\$57B	(\$296M)	(\$2,317M)	(\$2,436M)	(\$5,111M)
Technology	23	\$122B	\$318M	(\$2,007M)	(\$57M)	\$1,131M
Utilities	9	\$24B	\$286M	(\$627M)	(\$1,308M)	\$3,560M

## U.S. Sector & Industry Flow Leaders

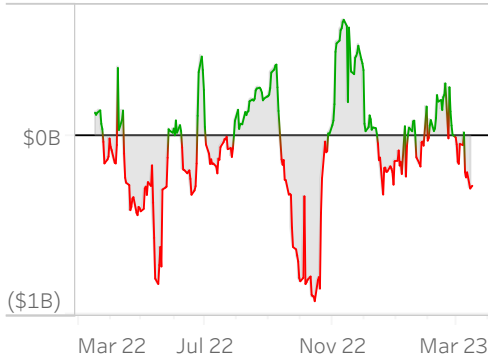
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
KRE	SPDR S&P Regional Banking ETF	\$1,408M	\$1,088M	\$771M	(\$1,202M)	\$3,286M
XLU	Utilities Select Sector SPDR Fund	\$333M	(\$602M)	(\$969M)	\$2,388M	\$14,999M
XRT	SPDR S&P Retail ETF	\$265M	\$342M	\$317M	\$246M	\$548M
XLK	Technology Select Sector SPDR Fund	\$227M	(\$2,242M)	(\$2,019M)	\$88M	\$40,644M
VGT	Vanguard Information Technology ETF	\$185M	(\$494M)	(\$878M)	\$997M	\$43,486M
ITB	iShares U.S. Home Construction ETF	\$165M	(\$4M)	\$25M	(\$438M)	\$1,493M
XLV	Health Care Select Sector SPDR Fund	\$152M	(\$829M)	\$237M	\$4,846M	\$38,180M
IAT	iShares U.S. Regional Banks ETF	\$113M	\$76M	\$15M	(\$389M)	\$619M
XLP	Consumer Staples Select Sector SPDR Fund	\$106M	(\$423M)	\$612M	\$1,650M	\$16,455M
KBE	SPDR S&P Bank ETF	\$87M	(\$144M)	(\$364M)	(\$1,070M)	\$1,361M

## U.S. Sector & Industry Flow Laggards

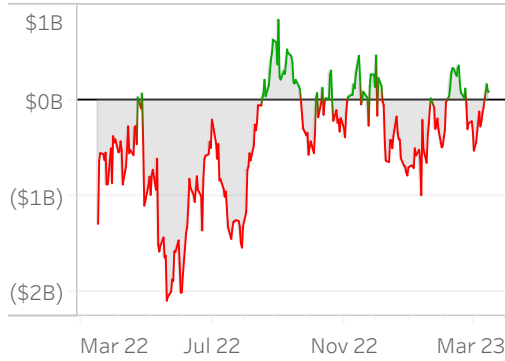
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$1,002M)	(\$82M)	(\$104M)	(\$2,267M)	\$37,688M
XLF	Financial Select Sector SPDR Fund	(\$556M)	(\$543M)	(\$901M)	(\$8,800M)	\$29,401M
KBWB	Invesco KBW Bank ETF	(\$366M)	\$26M	(\$117M)	(\$360M)	\$1,460M
VFH	Vanguard Financials ETF	(\$192M)	(\$337M)	(\$583M)	(\$2,201M)	\$7,803M
VNQ	Vanguard Real Estate ETF	(\$165M)	(\$779M)	(\$1,377M)	(\$3,220M)	\$32,862M
XLB	Materials Select Sector SPDR Fund	(\$149M)	\$150M	\$7M	(\$1,048M)	\$5,503M
XLC	Communication Services Select Sector SPDR Fu..	(\$115M)	(\$192M)	(\$102M)	(\$564M)	\$8,845M
IBB	iShares Biotechnology ETF	(\$112M)	(\$550M)	(\$150M)	(\$245M)	\$7,932M
XBI	SPDR S&P BIOTECH ETF	(\$102M)	(\$1,461M)	(\$930M)	\$405M	\$6,661M
XLI	Industrial Select Sector SPDR Fund	(\$93M)	\$295M	(\$144M)	(\$1,500M)	\$14,132M

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

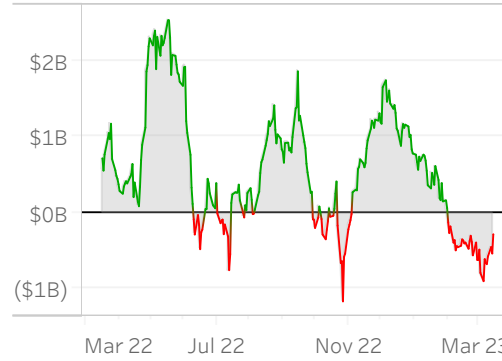
Communication Services



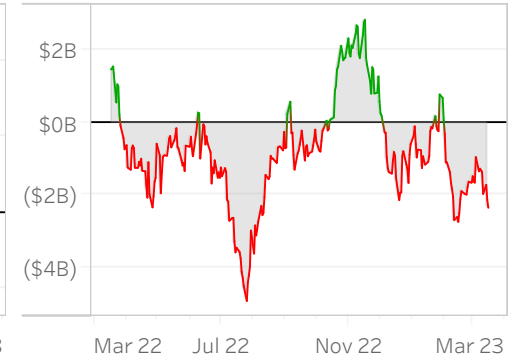
Consumer Discretionary



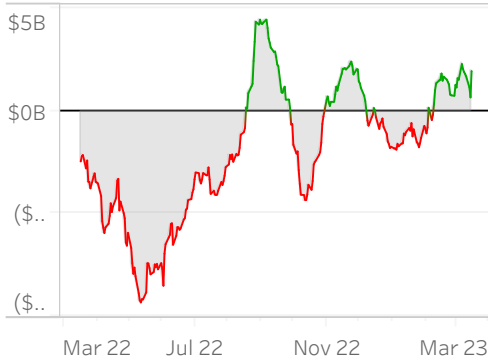
Consumer Staples



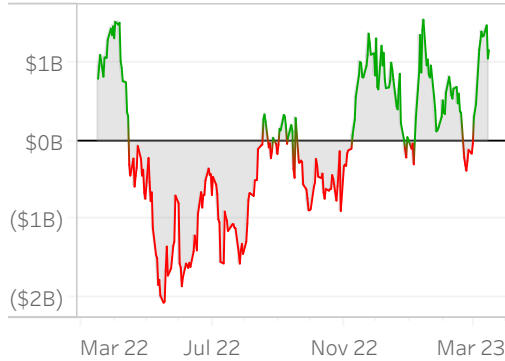
Energy



Financials



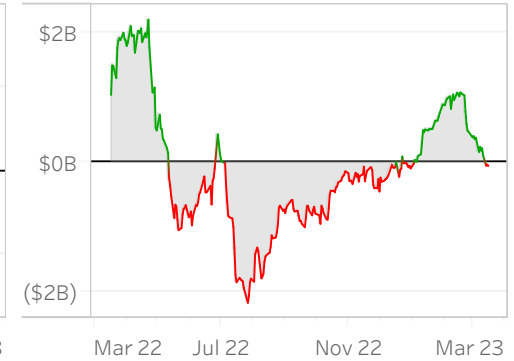
Industrial



Health Care



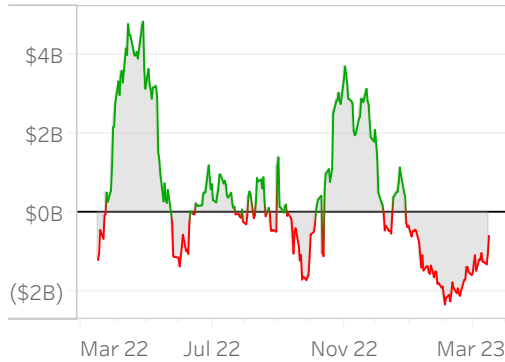
Materials



Real Estate



Technology



Utilities

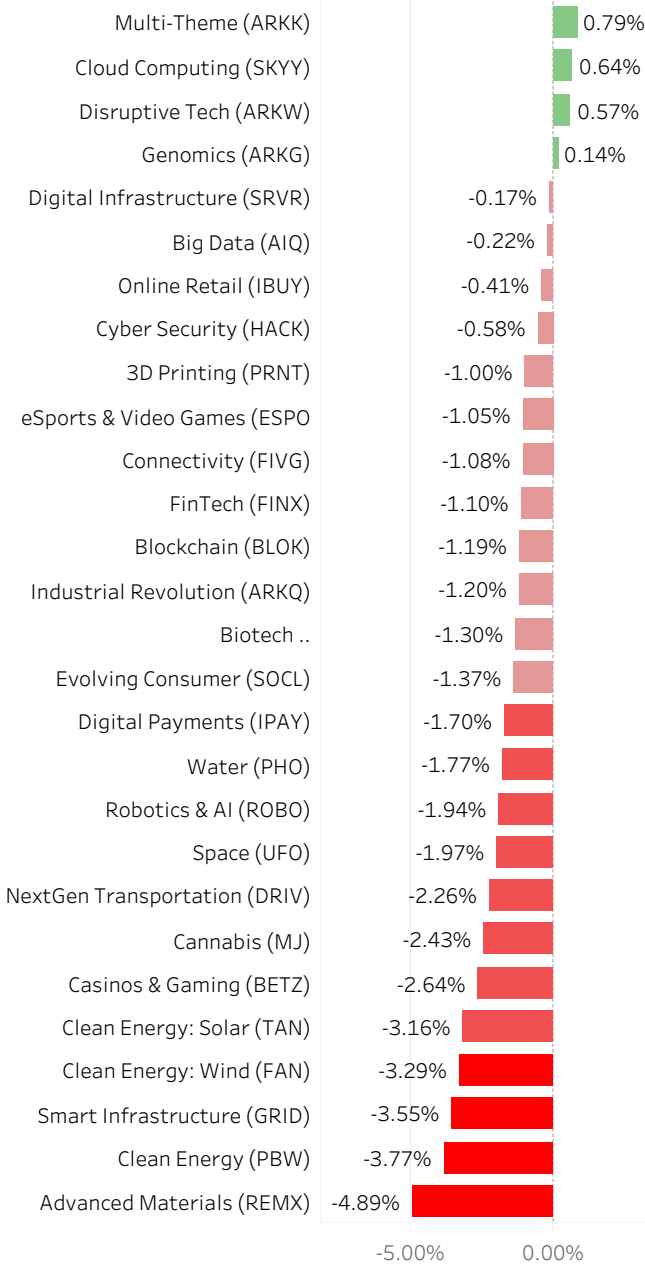


Multi-Sector

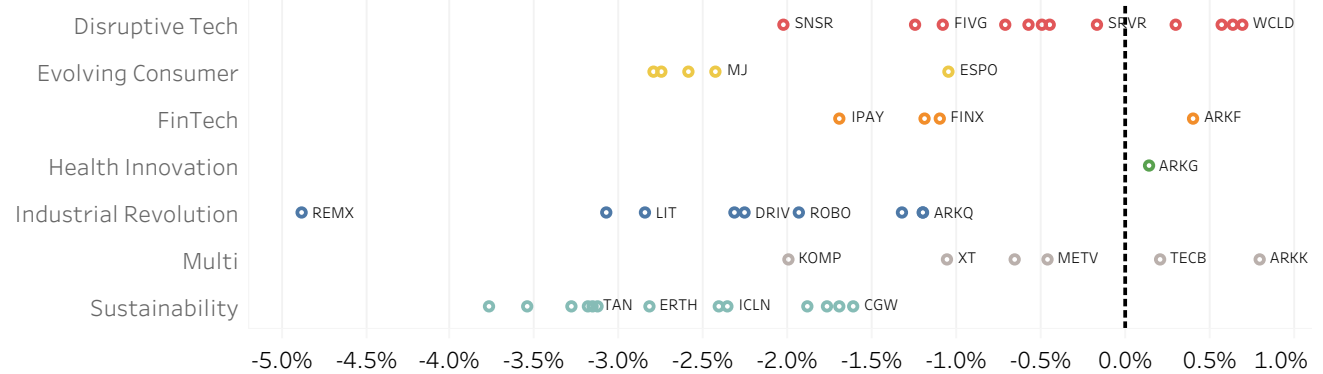


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
ARKK	ARK Innovation ETF	0.79%
WCLD	WisdomTree Cloud Computing Fund	0.69%
SKYY	First Trust Cloud Computing ETF	0.64%
ARKW	ARK Next Generation Internet ETF	0.57%
ARKF	ARK Fintech Innovation ETF	0.40%
CLOU	Global X Cloud Computing ETF	0.30%
TECB	iShares U.S. Tech Breakthrough Multisector ETF	0.20%
ARKG	ARK Genomic Revolution ETF	0.14%
MILN	Global X Millennial Consumer ETF	0.12%
EDOC	Global X Telemedicine & Digital Health ETF Registered	0.00%

### Thematic Most Overbought

Ticker	Fund	Value
METV	Roundhill Ball Metaverse ETF	51.91
TECB	iShares U.S. Tech Breakthrough Multisector ETF	51.55
ESPO	VanEck Video Gaming and eSports ETF	50.90
ARKW	ARK Next Generation Internet ETF	49.66
ARKF	ARK Fintech Innovation ETF	47.93
BKCH	Global X Blockchain ETF	47.72
ARKK	ARK Innovation ETF	47.02
GBUY	Goldman Sachs Future Consumer Equity ETF	46.79
IHAK	iShares Cybersecurity & Tech ETF	45.84
NXTG	First Trust Indxx NextG ETF	45.72

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
REMX	VanEck Rare Earth/Strategic Metals ETF	-4.89%
CTEC	Global X CleanTech ETF	-3.85%
PBW	Invesco WilderHill Clean Energy ETF	-3.77%
PBD	Invesco Global Clean Energy ETF	-3.64%
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastruct..	-3.55%
FAN	First Trust Global Wind Energy ETF	-3.29%
BATT	Amplify Lithium & Battery Technology ETF	-3.22%
ACES	ALPS Clean Energy ETF	-3.19%
TAN	Invesco Solar ETF	-3.16%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	-3.13%

### Thematic Most Oversold

Ticker	Fund	Value
MJ	ETFMG Alternative Harvest ETF	21.20
REMX	VanEck Rare Earth/Strategic Metals ETF	25.64
LIT	Global X Lithium & Battery Tech ETF	26.15
KGRN	KraneShares MSCI China Clean Technology Index ETF	26.61
SAMT	Strategas Macro Thematic Opportunities ETF	26.87
AWAY	ETFMG Travel Tech ETF	27.64
BATT	Amplify Lithium & Battery Technology ETF	27.82
IDRV	iShares Self-driving EV & Tech ETF	28.37
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	28.76
PBW	Invesco WilderHill Clean Energy ETF	29.65

\* 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	Flow
ARKK	ARK Innovation ETF	\$246M
ARKG	ARK Genomic Revolution ETF	\$44M
MJUS	ETFMG U.S. Alternative Harvest ETF	\$18M
PBW	Invesco WilderHill Clean Energy ETF	\$14M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$12M
TIME	Clockwise Capital Innovation ETF	\$5M
AIQ	Global X Artificial Intelligence & Technology ETF	\$4M
QTUM	Defiance Quantum ETF	\$2M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$2M
BLOK	Amplify Transformational Data Sharing ETF	\$2M

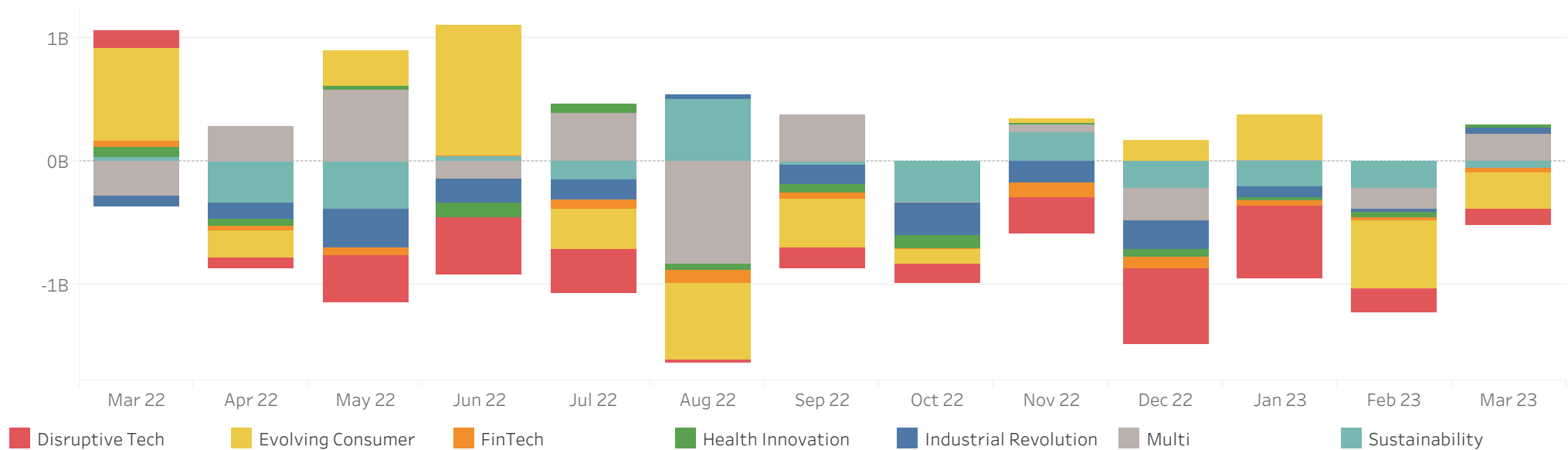
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$159M)
LIT	Global X Lithium & Battery Tech ETF	(\$17M)
ICLN	iShares Global Clean Energy ETF	(\$13M)
VPN	Global X Data Center REITs & Digital Infrastructure ETF	(\$13M)
ARKF	ARK Fintech Innovation ETF	(\$11M)
SNSR	Global X Internet of Things ETF	(\$10M)
ARKW	ARK Next Generation Internet ETF	(\$10M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$9M)
SKYY	First Trust Cloud Computing ETF	(\$6M)
TAN	Invesco Solar ETF	(\$6M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$15B	(\$55M)	(\$1,153M)	(\$2,032M)	(\$3,284M)
Evolving Consumer	46	\$9B	(\$111M)	(\$629M)	(\$727M)	\$129M
FinTech	19	\$2B	(\$12M)	(\$142M)	(\$351M)	(\$583M)
Health Innovation	19	\$3B	\$29M	(\$65M)	(\$249M)	(\$330M)
Industrial Revolution	31	\$10B	(\$55M)	(\$226M)	(\$822M)	(\$1,750M)
Multi	41	\$14B	\$280M	(\$231M)	\$318M	\$267M
Sustainability	40	\$17B	(\$16M)	(\$817M)	(\$997M)	(\$1,076M)
<b>Grand Total</b>	<b>230</b>	<b>\$71B</b>	<b>\$60M</b>	<b>(\$3,263M)</b>	<b>(\$4,861M)</b>	<b>(\$6,628M)</b>

### Thematic Monthly Flows

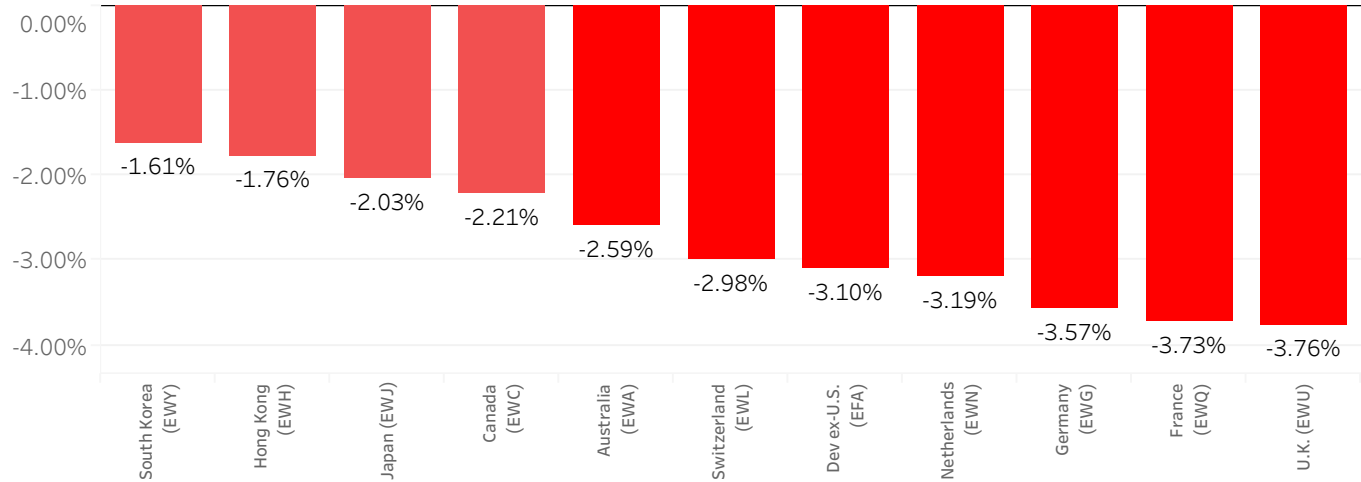


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

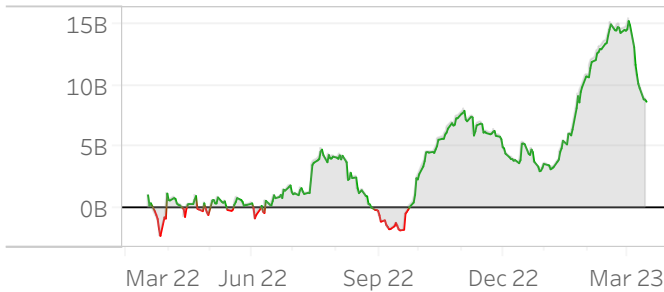
Developed ex-U.S. (EFA)



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



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



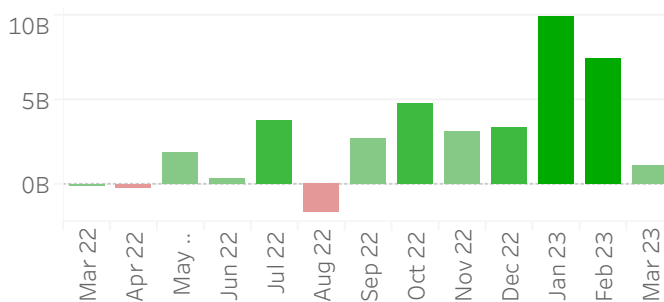
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.17%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.80%
EWS	iShares MSCI Singapore ETF	-1.02%
IHDG	WisdomTree International Hedged Quality Dividend Growth ..	-1.14%
FJP	First Trust Japan AlphaDEX Fund	-1.19%
EIS	iShares MSCI Israel ETF	-1.25%
EWJV	iShares MSCI Japan Value ETF	-1.37%
ISRA	VanEck Israel ETF	-1.39%
IDLV	Invesco S&P International Developed Low Volatility ETF	-1.45%
TOK	iShares MSCI Kokusai ETF	-1.55%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DFJ	WisdomTree Japan SmallCap Dividend Fund	43.58
EIRL	iShares MSCI Ireland ETF	43.23
HEDJ	WisdomTree Europe Hedged Equity Fund	42.47
SCJ	iShares MSCI Japan Small-Cap ETF	40.83
IMFL	Invesco International Developed Dynamic Multifactor ETF	40.29
IHDG	WisdomTree International Hedged Quality Dividend Grow..	39.57
EWP	iShares MSCI Spain ETF	39.28
FJP	First Trust Japan AlphaDEX Fund	39.09
EDEN	iShares MSCI Denmark ETF	38.94
EIS	iShares MSCI Israel ETF	38.65

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	-6.90%
NORW	Global X MSCI Norway ETF	-4.81%
FDD	First Trust Stoxx European Select Dividend Index Fund	-4.53%
EWI	iShares MSCI Italy ETF	-4.47%
FEP	First Trust Europe AlphaDEX Fund	-4.38%
EWD	iShares MSCI Sweden ETF	-4.36%
FLGB	Franklin FTSE United Kingdom ETF	-4.04%
EIRL	iShares MSCI Ireland ETF	-4.02%
EWP	iShares MSCI Spain ETF	-4.02%
FSZ	First Trust Switzerland AlphaDEX Fund	-3.94%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
FLCA	Franklin FTSE Canada ETF	26.61
NORW	Global X MSCI Norway ETF	26.82
BBCA	JPMorgan BetaBuilders Canada ETF	28.62
EWC	iShares MSCI Canada ETF	28.64
DFIV	Dimensional International Value ETF	29.60
EWU	iShares MSCI United Kingdom ETF	29.77
AVIV	Avantis International Large Cap Value ETF	29.82
IDV	iShares International Select Dividend ETF	29.84
IMTM	iShares MSCI Intl Momentum Factor ETF	29.92
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja..	29.95

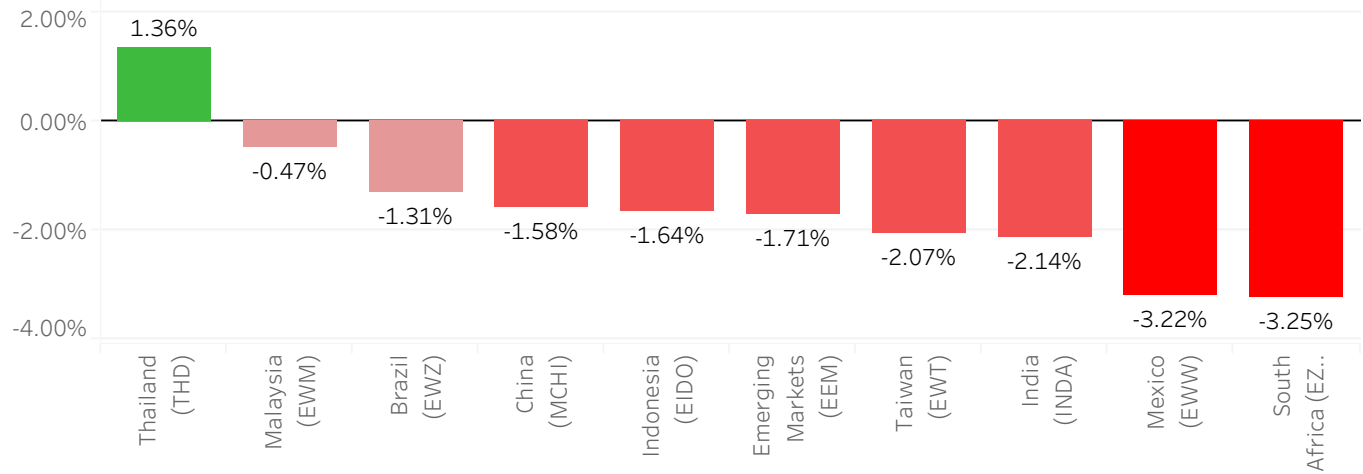
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



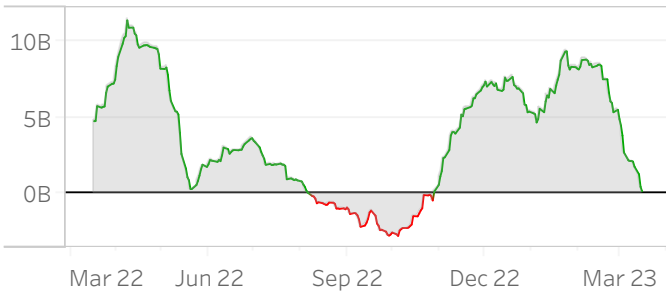
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



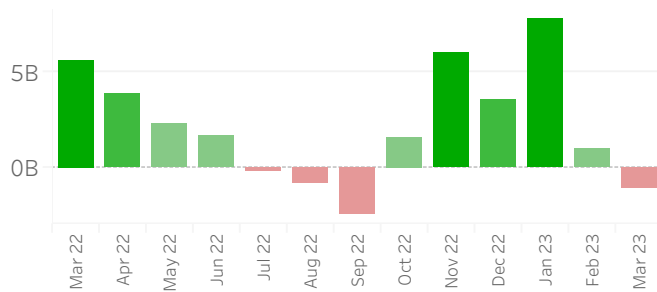
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
THD	iShares MSCI Thailand ETF	1.36%
EWZS	iShares MSCI Brazil Small-Cap ETF	-0.39%
ECNS	iShares MSCI China Small-Cap ETF	-0.41%
EWM	iShares MSCI Malaysia ETF	-0.47%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.70%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	-0.75%
EDIV	SPDR S&P Emerging Markets Dividend ETF	-0.91%
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	-0.91%
DGRE	WisdomTree Emerging Markets Quality Dividend Growth ETF	-0.97%
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	-0.98%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	48.77
VNM	VanEck Vietnam ETF	46.47
EDIV	SPDR S&P Emerging Markets Dividend ETF	41.87
EWZS	iShares MSCI Brazil Small-Cap ETF	41.47
FLTW	Franklin FTSE Taiwan ETF	40.94
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	40.71
CNYA	iShares MSCI China A ETF	40.61
EWT	iShares MSCI Taiwan ETF	39.67
ECH	iShares MSCI Chile ETF	39.26
EWW	iShares MSCI Mexico ETF	38.44

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECH	iShares MSCI Chile ETF	-5.26%
EPOL	iShares MSCI Poland ETF	-3.42%
EPU	iShares MSCI Peru ETF	-3.28%
EZA	iShares MSCI South Africa ETF	-3.25%
EWW	iShares MSCI Mexico ETF	-3.22%
FRDM	Freedom 100 Emerging Markets ETF	-2.80%
FLN	First Trust Latin America AlphaDEX Fund	-2.74%
ILF	iShares Latin America 40 ETF	-2.50%
NUEM	Nuveen ESG Emerging Markets Equity ETF	-2.40%
PGJ	Invesco Golden Dragon China ETF	-2.28%

Emerging Most Oversold

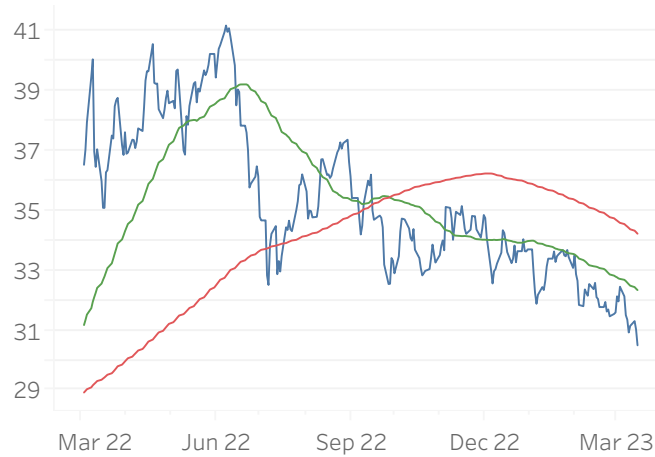
Ticker	Fund	Value
EIDO	iShares MSCI Indonesia ETF	23.99
EWM	iShares MSCI Malaysia ETF	24.11
EELV	Invesco S&P Emerging Markets Low Volatility ETF	26.34
EPHE	iShares MSCI Philippines ETF	27.05
ECNS	iShares MSCI China Small-Cap ETF	28.26
ESGE	iShares ESG Aware MSCI EM ETF	28.58
HEEM	iShares Currency Hedged MSCI Emerging Markets E..	28.88
XSOE	WisdomTree Emerging Markets ex-State-Owned Ent..	29.28
FLIN	Franklin FTSE India ETF	29.43
PIN	Invesco India ETF	29.47

\* 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	1.00%	1.36%	2.85%
SHY	1-3 Year Treasury Bonds	0.59%	1.55%	1.65%
IEF	7-10 Year Treasury Bonds	1.44%	2.84%	3.79%
TLT	20+ Year Treasury Bonds	1.93%	3.22%	7.11%
TIP	TIPS Bonds	1.22%	1.98%	3.00%
FLOT	Floating Rate Bonds	-1.08%	-1.80%	-0.80%
LQD	Investment Grade Corporate	0.96%	0.48%	2.74%
HYG	High Yield Corporate	-0.33%	-1.46%	0.68%
BKLN	Senior Loan	-0.77%	-2.09%	1.36%
PFF	Preferred & Income Securities	-1.99%	-8.83%	-0.21%
MUB	Municipal Bonds	0.59%	0.31%	1.73%
MBB	MBS	1.01%	0.91%	2.55%
EMB	Dollar Denominated EM Bonds	0.37%	-0.67%	1.22%
LEMB	Local Currency EM Bond	-1.13%	-1.89%	0.40%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.71%	-5.01%	-9.52%
DBE	Energy	-3.95%	-9.74%	-14.16%
USO	WTI Crude Oil	-4.62%	-13.04%	-14.39%
BNO	Brent Crude Oil	-4.24%	-12.50%	-12.91%
UNG	Natural Gas	-5.48%	-3.80%	-42.55%
UGA	Gasoline	-3.55%	-8.25%	-8.38%
DBP	Precious Metals	0.55%	3.21%	1.50%
GLD	Gold	0.78%	4.28%	5.05%
SLV	Silver	0.55%	0.55%	-9.17%
PPLT	abrdn Physical Platin..	-2.70%	4.34%	-10.70%
PALL	abrdn Physical Palla..	-2.11%	-0.31%	-17.89%
DBB	Base Metals	-2.66%	-3.87%	-0.46%
CPER	Copper	-3.23%	-3.34%	2.64%
LD	Lead	-3.38%	-1.45%	-12.94%
JJN	Nickel	0.20%	-11.58%	-22.57%
JJU	Aluminum	-3.09%	-4.81%	-5.63%
JJT	Tin	-3.08%	-16.17%	-11.34%
DBA	Agriculture	-1.10%	-2.86%	-2.18%
CORN	Corn	-0.12%	-7.35%	-8.73%
SOYB	Soybeans	-0.99%	-2.68%	-4.05%
WEAT	Wheat	0.57%	-9.21%	-11.03%
CANE	Sugar	-0.49%	3.95%	10.71%
BAL	Cotton	-2.67%	-4.22%	-4.92%
NIB	Cocoa	-1.90%	-4.87%	0.23%
JO	Coffee	-1.42%	-1.87%	4.21%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	1.07%	1.14%	2.09%
UDN	Short Dollar	-1.24%	-0.81%	-0.81%
FXE	Euro	-1.49%	-0.92%	-1.03%
FXB	British Pound Sterling	-1.09%	0.30%	0.30%
FXF	Swiss Franc	-2.04%	-0.84%	-0.87%
FXJ	Japanese Yen	0.81%	0.68%	-1.58%
FXC	Canadian Dollar	-0.63%	-2.35%	-1.14%
FXA	Australian Dollar	-1.06%	-4.17%	-2.75%

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