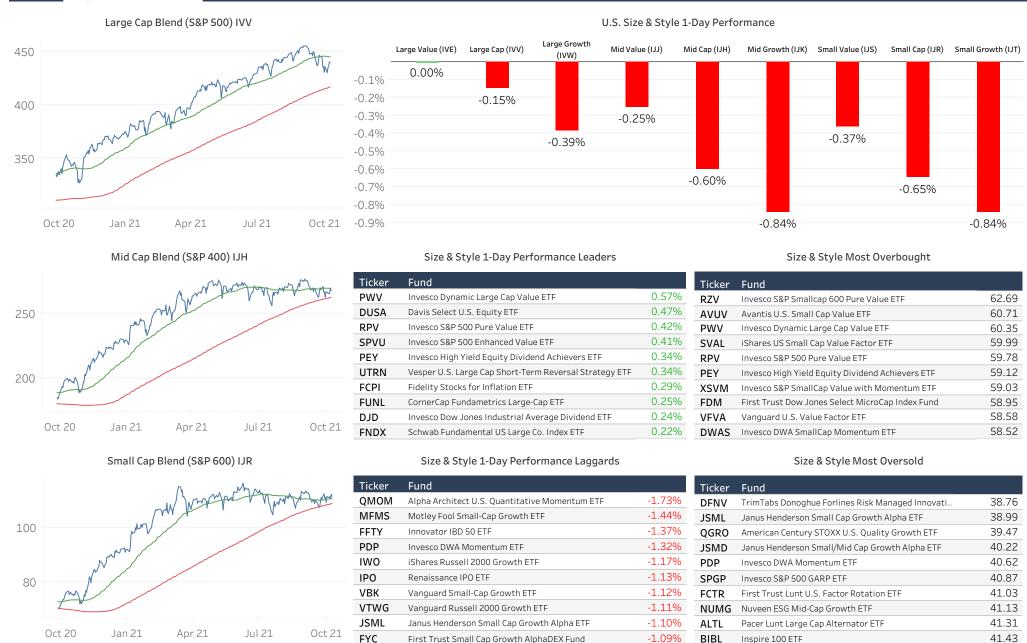




Closing Price

50 Day Moving Average



200 Day Moving Average

<sup>\*</sup>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



# U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta Growth, Beta	24	\$1,251B	\$1.01B	\$27.04B	\$52.16B	\$86.45B
Large Cap, Beta Growth, Beta: Value	11	\$200B	\$0.61B	\$4.15B	\$11.93B	\$32.28B
Small Cap, Beta, Beta: Value	7	\$58B	\$0.59B	\$0.33B	\$0.69B	\$9.56B
Mid Cap, Beta, Beta	10	\$185B	\$0.27B	\$0.38B	\$2.55B	\$8.71B
Small Cap, Beta, Beta	12	\$219B	\$0.23B	\$3.87B	\$4.88B	\$25.17B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.10B	\$0.11B	\$1.31B	\$4.30B
Mid Cap, Beta, Beta: Growth	6	\$39B	\$0.01B	(\$0.06B)	(\$1.17B)	(\$2.24B)
Large Cap, Beta Growth, Beta: Growth	10	\$253B	(\$0.25B)	\$4.77B	\$8.13B	\$3.27B
Small Cap, Beta, Beta: Growth	7	\$38B	(\$0.28B)	\$0.23B	(\$0.30B)	\$1.58B

# Mid-Cap 30-Day Rolling Flows



U.S. Size & Style Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	\$1.01B	\$3.92B	\$9.03B	\$12.49B	\$185.96B
voo	Vanguard S&P 500 ETF	\$0.76B	\$13.28B	\$23.51B	\$39.67B	\$253.40B
IVV	iShares Core S&P 500 ETF	\$0.55B	(\$0.01B)	\$2.21B	\$10.91B	\$293.82B
VTI	Vanguard Total Stock Market ETF	\$0.38B	\$10.78B	\$21.04B	\$45.86B	\$269.23B
IJS	iShares S&P Small-Cap 600 Value ETF	\$0.27B	\$0.02B	\$0.16B	\$1.18B	\$9.21B
IWN	iShares Russell 2000 Value ETF	\$0.26B	(\$0.12B)	(\$0.60B)	\$2.75B	\$16.28B
VTV	Vanguard Value ETF	\$0.24B	\$2.53B	\$7.71B	\$15.69B	\$85.14B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.24B	\$0.55B	\$2.26B	\$9.27B	\$29.42B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.21B	\$1.89B	\$2.74B	\$5.97B	\$42.67B
IWD	iShares Russell 1000 Value ETF	\$0.21B	\$0.31B	\$0.29B	\$5.09B	\$54.70B

# Small-Cap 30-Day Rolling Flows



U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
NOBL	ProShares S&P 500 Dividend Aristocrats ETF	(\$0.43B)	\$0.25B	\$0.57B	\$1.06B	\$8.84B
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$0.33B)	\$0.17B	\$2.05B	\$1.48B	\$13.41B
VIG	Vanguard Dividend Appreciation ETF	(\$0.26B)	\$1.27B	\$1.88B	\$3.79B	\$62.05B
FDVV	Fidelity High Dividend ETF	(\$0.20B)	(\$0.07B)	\$0.09B	\$0.18B	\$0.93B
IWM	iShares Russell 2000 ETF	(\$0.12B)	\$1.06B	(\$0.33B)	\$7.39B	\$68.38B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.12B)	(\$1.01B)	(\$0.65B)	\$0.43B	\$29.38B
IJT	iShares S&P Small-Cap 600 Growth ETF	(\$0.10B)	(\$0.29B)	(\$0.41B)	(\$0.10B)	\$6.06B
IWF	iShares Russell 1000 Growth ETF	(\$0.10B)	\$1.29B	\$0.09B	(\$2.05B)	\$72.51B
SCHD	Schwab US Dividend Equity ETF	(\$0.09B)	\$2.25B	\$6.07B	\$10.51B	\$28.57B
IWO	iShares Russell 2000 Growth ETF	(\$0.09B)	\$0.20B	(\$0.12B)	(\$0.21B)	\$11.98B

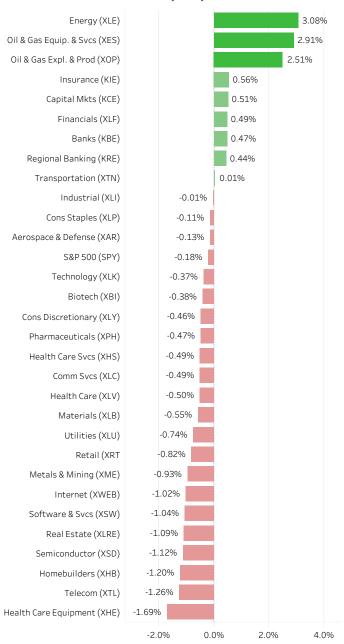
<sup>\*</sup>ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

# U.S. Sectors & Industries Performance



### 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	0.00%	104.15%	13.79%	14.47%	72.40
XLF	Financial Select Sector SPDR Fund	0.00%	65.27%	2.75%	9.92%	60.14
XLY	Consumer Discretionary Select Sector SPDR Fund	-1.75%	27.74%	0.44%	4.73%	51.64
SPY	SPDR S&P 500 ETF Trust	-3.38%	34.09%	-1.18%	5.34%	48.34
XLP	Consumer Staples Select Sector SPDR Fund	-4.00%	12.51%	-1.84%	1.42%	45.69
XLI	Industrial Select Sector SPDR Fund	-4.34%	34.83%	-1.39%	1.94%	50.48
XLK	Technology Select Sector SPDR Fund	-4.85%	37.07%	-2.03%	6.61%	45.86
XLC	Communication Services Select Sector SPDR Fund	-5.89%	37.86%	-2.40%	4.57%	43.73
XLV	Health Care Select Sector SPDR Fund	-7.24%	24.87%	-4.38%	2.70%	36.52
XLU	Utilities Select Sector SPDR Fund	-7.56%	10.98%	-3.81%		40.97
XLRE	Real Estate Select Sector SPDR Fund	-8.43%	31.31%	-4.19%	5.12%	36.35
XLB	Materials Select Sector SPDR Fund	-8.46%	31.06%	-2.58%		46.82

### Sector & Industry 1 Day Performance Leaders

### Sector & Industry Most Overbought

Ticker	Fund		Ticker	Fund	
RYE	Invesco S&P 500 Equal Weight Energy ETF	3.60%	IEO	iShares U.S. Oil & Gas Exploration & Production ETF	77.20
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	3.54%	RYE	Invesco S&P 500 Equal Weight Energy ETF	75.40
XLE	Energy Select Sector SPDR Fund	3.08%	PXE	Invesco Dynamic Energy Exploration & Production ETF	74.61
XES	SPDR S&P Oil & Gas Equipment & Services ETF	2.91%	FXN	First Trust Energy AlphaDEX Fund	74.19
IYE	iShares U.S. Energy ETF	2.90%	FTXN	First Trust Nasdaq Oil & Gas ETF	73.87
PXE	Invesco Dynamic Energy Exploration & Production	2.89%	PXI	Invesco DWA Energy Momentum ETF	73.83
FENY	Fidelity MSCI Energy Index ETF	2.84%	FCG	First Trust Natural Gas ETF	73.43
VDE	Vanguard Energy ETF	2.82%	XOP	SPDR S&P Oil & Gas Exploration & Production ETF	73.00
FCG	First Trust Natural Gas ETF	2.67%	IYE	iShares U.S. Energy ETF	72.67
FXN	First Trust Energy AlphaDEX Fund	2.60%	XLE	Energy Select Sector SPDR Fund	72.40

### Sector & Industry 1 Day Performance Laggards

### Sector & Industry Most Oversold

Ticker	Fund		Ticker	Fund	
PTH	Invesco DWA Healthcare Momentum ETF	-1.94%	IBB	iShares Biotechnology ETF	29.73
IYZ	iShares U.S. Telecommunications ETF	-1.79%	FXH	First Trust Health Care AlphaDEX Fund	31.34
PTF	Invesco DWA Technology Momentum ETF	-1.73%	XHS	SPDR S&P Health Care Services ETF	32.52
XHE	SPDR S&P Health Care Equipment ETF	-1.69%	RYH	Invesco S&P 500 Equal Weight Health Care ETF	33.74
PKB	Invesco Dynamic Building & Construction ETF	-1.34%	VHT	Vanguard Health Care ETF	34.98
FTXL	First Trust Nasdaq Semiconductor ETF	-1.32%	JHMH	John Hancock Multifactor Healthcare ETF	35.33
PSI	Invesco Dynamic Semiconductors ETF	-1.27%	PTH	Invesco DWA Healthcare Momentum ETF	35.37
XTL	SPDR S&P Telecom ETF	-1.26%	FHLC	Fidelity MSCI Health Care Index ETF	35.61
PSJ	Invesco Dynamic Software ETF	-1.26%	SZNE	Pacer CFRA-Stovall Equal Weight Seasonal Rotation ETF	35.86
PSCH	Invesco S&P SmallCap Health Care ETF	-1.25%	XLRE	Real Estate Select Sector SPDR Fund	36.35

<sup>\*</sup>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

### Retail \$280M \$100M Banks: Regional \$89M Homebuilding \$52M Transportation \$42M Semiconductors \$39M Insurance \$37M MLPs (C-Corp) \$35M Natural Gas \$34M Health Care Equipment & Supplies Leisure & Recreation \$15M Midstream \$11M \$7M Metals & Mining \$6M Oil & Gas Equipment & Services \$3M BDCs \$1M Infrastructure \$1M Food & Beverage \$0M Construction & Engineering Pharmaceuticals \$0M \$0M Mortgage REITs Media & Entertainment (\$3M) (\$3M) Health Care Providers & Services (\$8M) MLPs (Note) (\$17M) Aerospace & Defense (\$20M) Oil & Gas Exploration & Production (\$151M) Banks (\$285M) Software (\$467M) Biotech

-500M

0M

1 Week (Custom SQL Query22)

### U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	9	\$22B	(\$84M)	\$1,591M	\$2,000M	\$2,364M
Consumer Discretionary	13	\$34B	\$439M	(\$462M)	(\$336M)	\$3,002M
Consumer Staples	12	\$20B	(\$399M)	\$465M	\$900M	(\$3,588M)
Energy	34	\$54B	(\$488M)	\$2M	\$171M	\$11,572M
Financials	28	\$81B	\$572M	\$1,872M	\$3,455M	\$23,169M
Health Care	25	\$86B	(\$1,370M)	\$937M	\$3,976M	\$1,945M
Industrial	14	\$34B	(\$535M)	(\$2,544M)	(\$4,050M)	\$2,761M
Materials	10	\$15B	(\$464M)	(\$2,395M)	\$397M	\$4,511M
Multi-Sector	16	\$24B	\$89M	\$352M	\$923M	\$2,934M
Real Estate	21	\$73B	(\$349M)	\$3,942M	\$6,119M	\$12,140M
Technology	24	\$140B	\$758M	\$2,801M	\$3,505M	\$3,701M
Utilities	10	\$20B	\$55M	\$674M	\$593M	\$407M

### U.S. Sector & Industry Flow Leaders

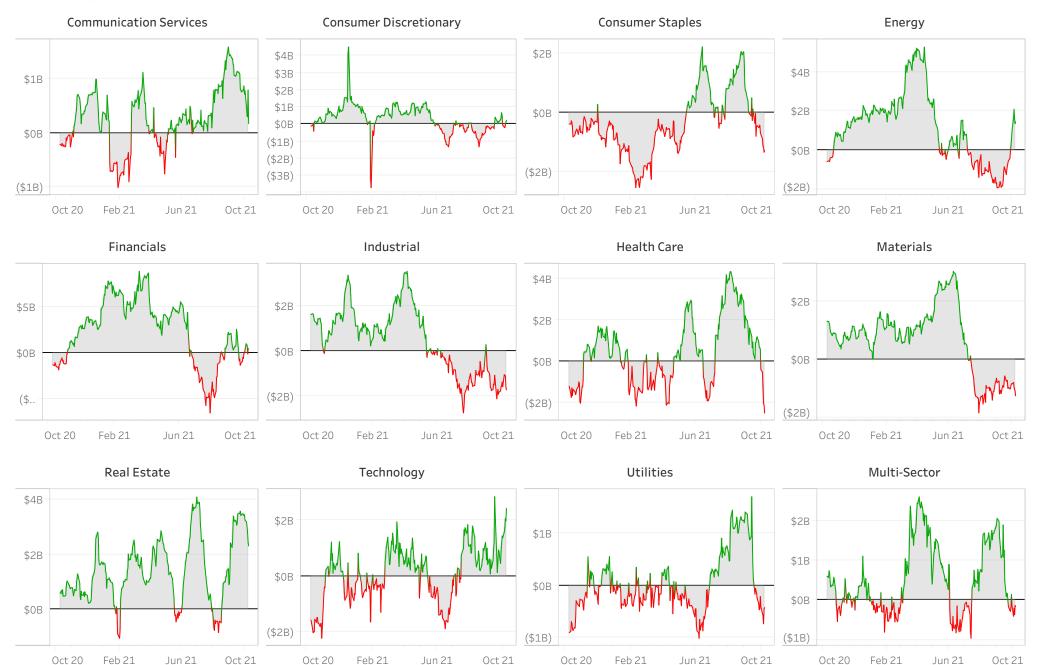
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VGT	Vanguard Information Technology ETF	\$805M	\$825M	\$2,346M	\$2,088M	\$50,027M
XLF	Financial Select Sector SPDR Fund	\$648M	\$706M	\$117M	\$11,992M	\$42,839M
XRT	SPDR S&P Retail ETF	\$280M	(\$6M)	\$359M	\$239M	\$980M
XLY	Consumer Discretionary Select Sector SPDR Fu	\$208M	(\$401M)	(\$822M)	\$350M	\$20,364M
XLK	Technology Select Sector SPDR Fund	\$137M	\$408M	(\$8M)	(\$211M)	\$44,216M
XHB	SPDR S&P Homebuilders ETF	\$126M	(\$229M)	(\$116M)	(\$177M)	\$1,693M
VDE	Vanguard Energy ETF	\$85M	\$24M	\$111M	\$760M	\$5,560M
KRE	SPDR S&P Regional Banking ETF	\$84M	\$249M	\$695M	\$2,658M	\$5,244M
VFH	Vanguard Financials ETF	\$78M	(\$72M)	\$455M	\$1,780M	\$11,312M
XTN	SPDR S&P Transportation ETF	\$53M	(\$20M)	(\$205M)	\$93M	\$554M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	(\$828M)	(\$282M)	\$2,868M	\$1,304M	\$29,646M
XLE	Energy Select Sector SPDR Fund	(\$719M)	\$635M	\$779M	\$8,036M	\$26,009M
XLI	Industrial Select Sector SPDR Fund	(\$566M)	(\$1,649M)	(\$3,114M)	\$565M	\$17,400M
XLP	Consumer Staples Select Sector SPDR Fund	(\$408M)	\$244M	\$719M	(\$3,008M)	\$11,632M
XBI	SPDR S&P BIOTECH ETF	(\$382M)	\$113M	\$383M	\$475M	\$6,647M
XLB	Materials Select Sector SPDR Fund	(\$288M)	(\$1,631M)	(\$201M)	\$1,823M	\$7,389M
IGV	iShares Expanded Tech-Software Sector ETF	(\$260M)	\$71M	(\$235M)	(\$1,236M)	\$5,454M
VNQ	Vanguard Real Estate ETF	(\$247M)	\$191M	\$2,143M	\$5,616M	\$42,879M
FXO	First Trust Financials AlphaDEX Fund	(\$163M)	\$29M	\$185M	\$517M	\$1,421M
KBWB	Invesco KBW Bank ETF	(\$150M)	\$733M	\$687M	\$1,630M	\$3,243M

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





<sup>\*</sup>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 Performance**



Robotics & AI (ROBO)

Connectivity (FIVG)
3D Printing (PRNT)

Disruptive Tech (ARKW)

Clean Energy: Solar (TAN)
Casinos & Gaming (BETZ)

Digital Payments (IPAY)

Advanced Materials (REMX)

Digital Infrastructure (SRVR)

Multi-Theme (ARKK)
Clean Energy: Wind (FAN)

Genomics (ARKG)

Cannabis (MJ) FinTech (FINX)

Water (PHO)

Space (UFO)

-0.75%

-0.82%

-0.83%

-0.87%

-0.89% -1.08%

-1.10%

-1.19%

-1.30% -1.31%

-1.40%

-1.61%

-1.64% -1.78%

-2.00%

0.00%

-2.28%

-2.34%

#### Global Thematic Segment 1-Day Performance Global Thematic 1-Day Performance Landscape Blockchain (BLOK) 0.58% O SRVR O OOOO O O O NXTG Disruptive Tech Biotech .. 0.29% **Evolving Consumer** o MSOS o o o PAWZ 000 HERO AWAY KWEB 0 0.07% NextGen Transportation (DRI.. O BLCN O BLOK O O IPAY ARKF FinTech -0.17% eSports & Video Games (ESPO Health Innovation O EDOC GNOM ARKG O IDNA -0.20% Big Data (AIQ) Industrial Revolution 0 00 0 O ARKQ OOO KARS O REMX Evolving Consumer (SOCL) -0.34% ARKK OXT OOO KOMP Multi Industrial Revolution (ARKQ) -0.37% FAN 00 0000 0 0 0 0 CNRG Sustainability -0.39% Clean Energy (PBW) -3.0% -2.5% -2.0% -1.5% 0.5% 1.0% 1.5% 2.0% -1.0% -0.5% 0.0% Cloud Computing (SKYY) -0.43% -0.45% Cyber Security (HACK) -0.49% Smart Infrastructure (GRID) Global Thematic 1-Day Performance Leaders Thematic Most Overbought -0.56% Online Retail (IBUY)

Ticker	Fund		Ticker	Fund	
KFVG	KraneShares CICC China 5G & Semiconductor Index ETF	3.15%	AWAY	ETFMG Travel Tech ETF	59.70
KWEB	KraneShares CSI China Internet ETF	1.77%	KWEB	KraneShares CSI China Internet ETF	55.23
AWAY	ETFMG Travel Tech ETF	1.05%	EVX	VanEck Environmental Services ETF	54.24
EMQQ	Emerging Markets Internet & Ecommerce ETF	0.89%	BLOK	Amplify Transformational Data Sharing ETF	54.03
BLOK	Amplify Transformational Data Sharing ETF	0.58%	LEGR	First Trust Indxx Innovative Transaction & Process ETF	52.61
NERD	Roundhill BITKRAFT Esports & Digital Entertainment ETF	0.46%	BITQ	Bitwise Crypto Industry Innovators ETF	52.57
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.43%	EMQQ	Emerging Markets Internet & Ecommerce ETF	52.07
вксн	Global X Blockchain ETF	0.41%	DAPP	VanEck Digital Transformation ETF	51.63
BITQ	Bitwise Crypto Industry Innovators ETF	0.33%	UFO	Procure Space ETF	50.18
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	0.32%	BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	50.08

-1.72%

-1.69%

Ticker	Fund	
GNOM	Global X Genomics & Biotechnology ETF	-3.17%
ARKG	ARK Genomic Revolution ETF	-2.34%
FAN	First Trust Global Wind Energy ETF	-2.28%
BTEC	Principal Healthcare Innovators Index ETF	-2.07%
LIT	Global X Lithium & Battery Tech ETF	-1.80%
ARKK	ARK Innovation ETF	-1.78%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno	-1.75%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.73%

Global Thematic 1-Day Performance Laggards

Ticker	Fund	
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR	29.83
IDNA	iShares Genomics Immunology and Healthcare ETF Geno	29.91
PIO	Invesco Global Water ETF	30.10
VPN	Global X Data Center REITs & Digital Infrastructure ETF	30.92
FAN	First Trust Global Wind Energy ETF	31.03
AGNG	Global X Aging Population ETF	32.55
ARKG	ARK Genomic Revolution ETF	32.63
PBD	Invesco Global Clean Energy ETF	32.69
GERM	ETFMG Treatments Testing and Advancements ETF	32.69
HTEC	ROBO Global Healthcare Technology and Innovation ETF	33.07

Thematic Most Oversold

YOLO

MSOS

2.00%

AdvisorShares Pure Cannabis ETF

AdvisorShares Pure US Cannabis ETF

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

Ticker Fund

**KWEB** CLOU

FIW

FIVG BLOK

KOMP

HYDR

# Global Thematic Flows

### Thematic 1 Week Flow Leaders

Fund	
ARK Innovation ETF	\$520M
KraneShares CSI China Internet ETF	\$31M
Global X Cloud Computing ETF	\$17M
First Trust Water ETF	\$9M
Defiance Next Gen Connectivity ETF	\$7M
Amplify Transformational Data Sharing ETF	\$7M
SPDR S&P Kensho New Economies Composite ETF	\$7M
First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$5M
Global X Hydrogen ETF	\$3M
Global X Thematic Growth ETF	\$3M

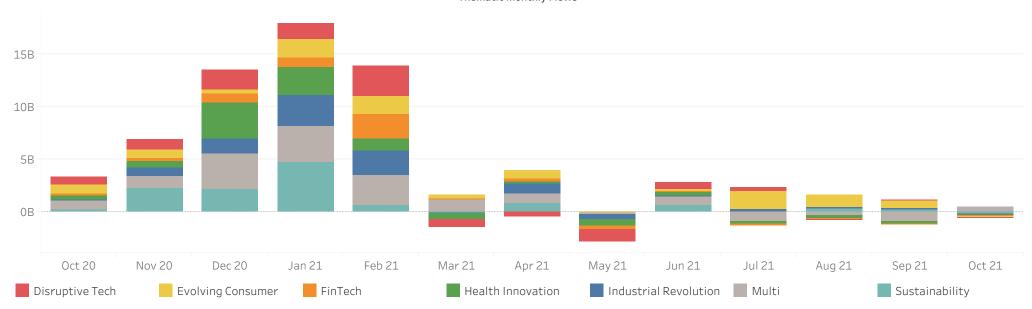
# Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKF	ARK Fintech Innovation ETF	(\$72M)
PAWZ	ProShares Pet Care ETF	(\$67M)
ARKG	ARK Genomic Revolution ETF	(\$66M)
PBW	Invesco WilderHill Clean Energy ETF	(\$59M)
ARKW	ARK Next Generation Internet ETF	(\$56M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$43M)
TAN	Invesco Solar ETF	(\$32M)
ESPO	VanEck Video Gaming and eSports ETF	(\$23M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$19M)
PBD	Invesco Global Clean Energy ETF	(\$19M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	29	\$28B	(\$49M)	\$293M	(\$645M)	\$6,583M
Evolving Consumer	40	\$17B	(\$44M)	\$3,563M	\$4,129M	\$10,505M
FinTech	14	\$8B	(\$46M)	(\$347M)	(\$421M)	\$4,487M
Health Innovation	14	\$9B	(\$36M)	(\$826M)	(\$1,093M)	\$6,729M
Industrial Revolution	22	\$17B	(\$65M)	\$457M	\$224M	\$8,269M
Multi	28	\$29B	\$399M	(\$879M)	(\$1,362M)	\$12,766M
Sustainability	34	\$22B	(\$127M)	\$244M	\$1,429M	\$11,959M
Grand Total	181	\$129B	\$31M	\$2,504M	\$2,261M	\$61,299M

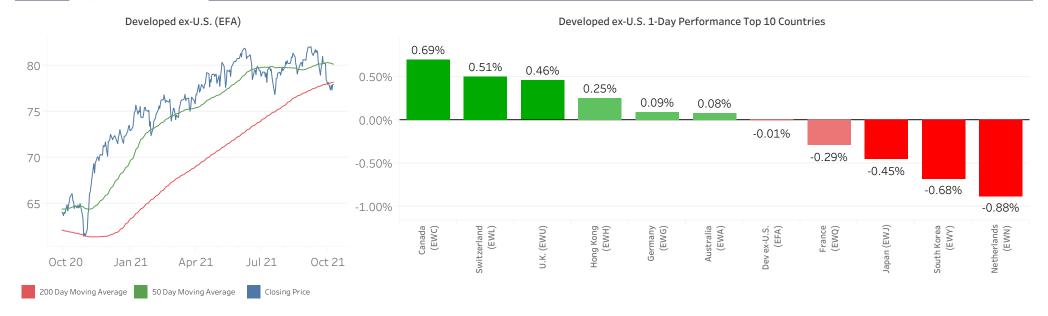
### Thematic Monthly Flows



<sup>\*</sup> 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. 30-Day Rolling Flows

0B Oct 20 Jan 21 Apr 21 Jul 21 Oct 21

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

Ticker	Fund	
BBCA	JPMorgan BetaBuilders Canada ETF	0.80%
EWC	iShares MSCI Canada ETF	0.69%
EWI	iShares MSCI Italy ETF	0.69%
EWO	iShares MSCI Austria ETF	0.53%
FGM	First Trust Germany AlphaDEX Fund	0.53%
EWS	iShares MSCI Singapore ETF	0.52%
EWL	iShares MSCI Switzerland ETF	0.51%
GREK	Global X MSCI Greece ETF	0.48%
FIDI	Fidelity International High Dividend ETF	0.46%
EWU	iShares MSCI United Kingdom ETF	0.46%

Developed ex-U.S. Most Overbought

	Ticker	Fund	
6	EWC	iShares MSCI Canada ETF	59.39
6	BBCA	JPMorgan BetaBuilders Canada ETF	59.36
6	EWS	iShares MSCI Singapore ETF	53.97
6	EWP	iShares MSCI Spain ETF	53.42
6	EWU	iShares MSCI United Kingdom ETF	52.60
6	FIDI	Fidelity International High Dividend ETF	52.51
6	GREK	Global X MSCI Greece ETF	51.22
6	FLGB	Franklin FTSE United Kingdom ETF	50.77
6	EWO	iShares MSCI Austria ETF	50.69
6	EWA	iShares MSCI Australia ETF	50.66

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.97%
EIRL	iShares MSCI Ireland ETF	-0.97%
EDEN	iShares MSCI Denmark ETF	-0.96%
EWN	iShares MSCI Netherlands ETF	-0.88%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.87%
EWJV	iShares MSCI Japan Value ETF	-0.80%
PIZ	Invesco DWA Developed Markets Momentum ETF	-0.75%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.75%
FLKR	Franklin FTSE South Korea ETF	-0.68%
EWY	iShares MSCI South Korea ETF	-0.68%

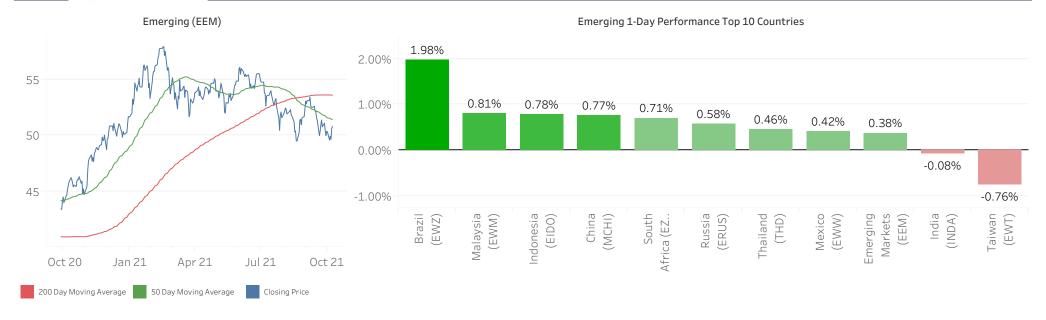
Developed ex-U.S. Most Oversold

Ticker	Fund	
PIZ	Invesco DWA Developed Markets Momentum ETF	28.61
EFAV	iShares MSCI EAFE Min Vol Factor ETF	28.87
EFAD	ProShares MSCI EAFE Dividend Growers ETF	29.56
RFDI	First Trust Riverfront Dynamic Developed Internatio	30.05
EUDG	WisdomTree Europe Quality Dividend Growth Fund	30.75
PDEV	Principal International Multi-Factor ETF	31.05
EWUS	iShares MSCI United Kingdom Small Cap ETF	31.16
IQDG	WisdomTree International Quality Dividend Growth	31.63
RBIN	Nationwide Risk-Based International Equity ETF	31.77
EDEN	iShares MSCI Denmark ETF	31.83

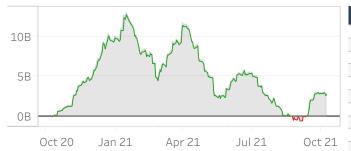
<sup>\*</sup> ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

# **Emerging Markets Performance**





Emerging 30-Day Rolling Flows



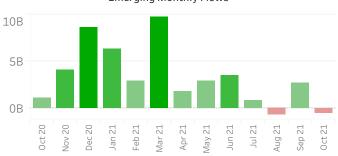
**Emerging 1-Day Performance Leaders** 

Ticker	Fund	
EWZS	iShares MSCI Brazil Small-Cap ETF	2.73%
EWZ	iShares MSCI Brazil ETF	1.98%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	1.97%
FLBR	Franklin FTSE Brazil ETF	1.89%
CNYA	iShares MSCI China A ETF	1.51%
EPOL	iShares MSCI Poland ETF	1.37%
KBA	KraneShares Bosera MSCI China A Share ETF	1.29%
PGJ	Invesco Golden Dragon China ETF	1.10%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	1.03%
EYI	iShares China Large-Can ETE	0.96%

Emerging Most Overbought

Ticker	Fund	
QAT	iShares MSCI Qatar ETF	78.68
EIDO	iShares MSCI Indonesia ETF	77.77
ERUS	iShares MSCI Russia ETF	73.15
RSX	VanEck Russia ETF	70.69
KSA	iShares MSCI Saudi Arabia ETF	68.23
SMIN	iShares MSCI India Small Cap ETF	67.05
EPU	iShares MSCI Peru ETF	63.99
EWM	iShares MSCI Malaysia ETF	63.36
EPHE	iShares MSCI Philippines ETF	62.44
EPI	WisdomTree India Earnings Fund	60.66

**Emerging Monthly Flows** 



**Emerging 1-Day Performance Laggards** 

Ticker	Fund	
ECH	iShares MSCI Chile ETF	-1.36%
ECNS	iShares MSCI China Small-Cap ETF	-1.30%
EYLD	Cambria Emerging Shareholder Yield ETF	-1.09%
FEM	First Trust Emerging Markets AlphaDEX Fund	-1.04%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	-0.84%
EWT	iShares MSCI Taiwan ETF	-0.76%
PIE	Invesco DWA Emerging Markets Momentum ETF	-0.69%
UEVM	VictoryShares USAA MSCI Emerging Markets Value Mo	-0.67%
TUR	iShares MSCI Turkey ETF	-0.57%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.49%

Emerging Most Oversold

Ticker	Fund	
ECH	iShares MSCI Chile ETF	26.93
TUR	iShares MSCI Turkey ETF	36.87
ILF	iShares Latin America 40 ETF	38.86
PIE	Invesco DWA Emerging Markets Momentum ETF	39.43
EWW	iShares MSCI Mexico ETF	40.08
FRDM	Freedom 100 Emerging Markets ETF	40.32
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Market	40.67
EWT	iShares MSCI Taiwan ETF	40.80
DGRE	WisdomTree Emerging Markets Quality Dividend Gr	41.22
EYLD	Cambria Emerging Shareholder Yield ETF	41.44

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







Eivod	Income	Dorfor	manco

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.22%	-1.23%	-2.12%
SHY	1-3 Year Treasury Bonds	-0.03%	-0.17%	-0.20%
IEF	7-10 Year Treasury Bonds	-0.22%	-2.01%	-4.04%
TLT	20+ Year Treasury Bonds	-0.70%	-3.97%	-8.99%
TIP	TIPS Bonds	0.02%	-0.47%	3.62%
FLOT	Floating Rate Bonds	-0.01%	0.03%	0.44%
LQD	Investment Grade Corporate	-0.46%	-2.02%	-2.93%
HYG	High Yield Corporate	-0.30%	-0.95%	2.43%
BKLN	Senior Loan	0.05%	0.07%	1.90%
PFF	Preferred & Income Securities	0.00%	-1.71%	3.55%
MUB	Municipal Bonds	-0.05%	-0.84%	0.15%
MBB	MBS	-0.12%	-0.67%	-1.07%
ЕМВ	Dollar Denominated EM Bonds	-0.25%	-3.43%	-3.39%
LEMB	Local Currency EM Bond	-0.21%	-2.95%	-6.78%

# **Commodities Performance**

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.00%	7.21%	36.53%
DBE	Energy	0.29%	13.68%	64.85%
USO	WTI Crude Oil	0.20%	14.16%	68.04%
BNO	Brent Crude Oil	0.00%	14.65%	68.87%
UNG	Natural Gas	-2.61%	12.81%	110.65%
UGA	Gasoline	0.88%	13.80%	70.59%
DBP	Precious Metals	0.19%	-2.71%	-10.30%
GLD	Gold	0.04%	-1.83%	-7.92%
SLV	Silver	0.24%	-5.50%	-14.73%
PPLT	Platinum	4.31%	4.43%	-5.03%
PALL	Palladium	5.27%	-8.07%	-15.71%
DBB	Base Metals	1.41%	3.20%	25.32%
CPER	Copper	0.31%	1.16%	20.42%
LD	Lead	2.48%	-1.33%	12.93%
JJN	Nickel	4.62%	-2.65%	14.78%
JJU	Aluminum	1.29%	6.60%	47.57%
JJT	Tin	3.76%	15.03%	104.55%
DBA	Agriculture	0.26%	3.08%	20.26%
CORN	Corn	-0.49%	4.19%	29.27%
SOYB	Soybeans	-0.55%	-1.75%	12.43%
WEAT	Wheat	-1.24%	3.76%	15.83%
CANE	Sugar	1.98%	1.12%	43.07%
BAL	Cotton	-0.88%	17.24%	35.26%
NIB	Cocoa	1.44%	3.04%	5.06%
JO	Coffee	1.26%	6.07%	48.14%

## Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.08%	1.53%	4.25%
UDN	Short Dollar	0.19%	-1.62%	-5.19%
FXE	Euro	0.09%	-2.20%	-6.07%
FXB	British Pound Sterling	0.05%	-1.17%	-0.70%
FXF	Swiss Franc	0.21%	-0.66%	-5.39%
FXY	Japanese Yen	-0.57%	-1.89%	-8.47%
FXC	Canadian Dollar	0.58%	1.73%	1.72%
FXA	Australian Dollar	-0.07%	-0.85%	-5.51%

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

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