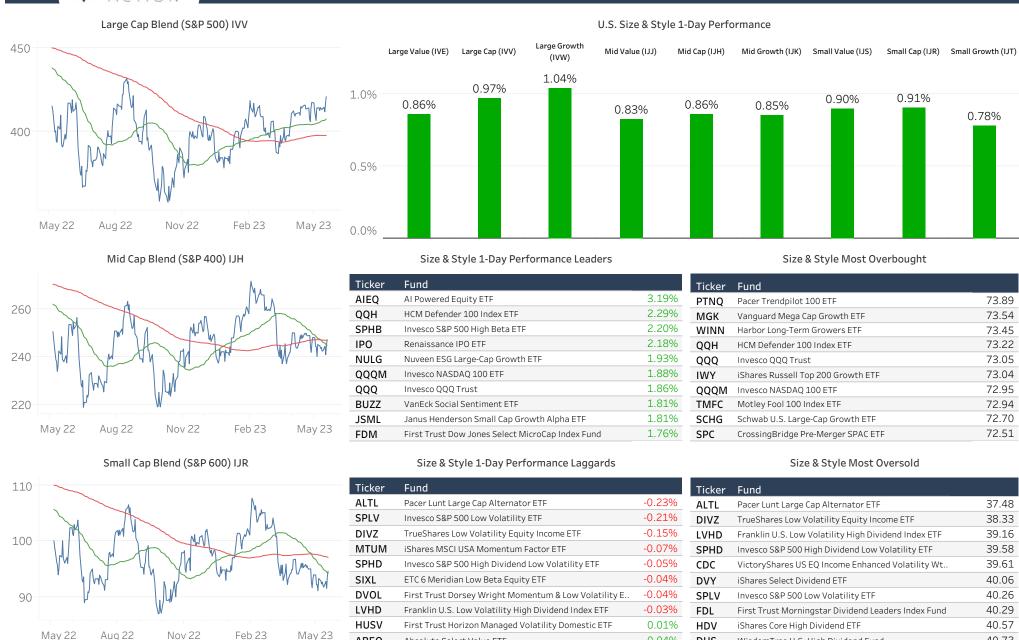




Closing Price

50 Day Moving Average



**ABEQ** 

200 Day Moving Average

Absolute Select Value ETF

0.04%

DHS

WisdomTree U.S. High Dividend Fund

40.73

<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, Beta	26	\$1,302B	(\$3.78B)	\$4.93B	(\$17.62B)	\$57.50B
Large Cap, Beta, Beta: Growth	10	\$253B	\$0.25B	\$3.13B	\$5.32B	\$19.58B
Large Cap, Beta, Beta: Value	11	\$213B	(\$3.18B)	(\$8.59B)	(\$8.69B)	(\$2.40B)
Mid Cap, Beta, Beta	10	\$180B	\$0.38B	(\$0.38B)	\$2.48B	\$9.16B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.03B)	\$0.33B	(\$0.42B)	\$1.20B
Mid Cap, Beta, Beta: Value	6	\$38B	(\$0.08B)	(\$1.08B)	(\$0.86B)	\$1.10B
Small Cap, Beta, Beta	13	\$185B	\$1.00B	(\$3.16B)	(\$1.10B)	\$4.05B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.03B	(\$0.10B)	\$0.16B	\$0.87B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.06B)	(\$1.27B)	(\$0.40B)	(\$0.27B)

## Mid-Cap 30-Day Rolling Flows



U.S. Size & Style Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	\$1.18B	(\$2.44B)	(\$3.80B)	(\$2.13B)	\$49.15B
VO	Vanguard Mid-Cap ETF	\$0.50B	(\$0.48B)	\$0.41B	\$2.26B	\$50.41B
voo	Vanguard S&P 500 ETF	\$0.33B	\$6.94B	\$5.99B	\$32.30B	\$293.64B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.25B	\$9.29B	\$8.93B	\$7.13B	\$29.04B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	\$0.14B	\$0.50B	\$0.06B	\$0.97B	\$41.73B
JEPQ	J.P. Morgan Nasdaq Equity Premium Income	\$0.13B	\$1.01B	\$1.80B	\$2.57B	\$2.75B
VTI	Vanguard Total Stock Market ETF	\$0.11B	\$2.79B	\$7.44B	\$20.72B	\$287.00B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.09B	\$1.06B	\$2.03B	\$4.43B	\$16.85B
MOAT	VanEck Morningstar Wide Moat ETF	\$0.08B	\$0.68B	\$0.97B	\$1.02B	\$8.23B
VBK	Vanguard Small-Cap Growth ETF	\$0.07B	\$0.21B	\$0.47B	\$0.50B	\$13.26B

## Small-Cap 30-Day Rolling Flows

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	Aug 22	Nov 22	Feb 23	May 23

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTV	Vanguard Value ETF	(\$3.06B)	(\$3.87B)	(\$3.78B)	(\$0.40B)	\$96.53B
QQQ	Invesco QQQ Trust	(\$2.01B)	(\$0.47B)	(\$8.65B)	(\$3.89B)	\$176.52B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.35B)	(\$0.34B)	(\$1.09B)	(\$0.56B)	\$9.70B
IVV	iShares Core S&P 500 ETF	(\$0.23B)	(\$3.86B)	(\$7.06B)	\$9.13B	\$309.42B
VB	Vanguard Small-Cap ETF	(\$0.20B)	(\$0.24B)	\$0.87B	\$0.80B	\$41.80B
IWD	iShares Russell 1000 Value ETF	(\$0.10B)	(\$1.77B)	(\$4.14B)	(\$3.66B)	\$49.02B
RPV	Invesco S&P 500 Pure Value ETF	(\$0.09B)	(\$1.09B)	(\$1.10B)	(\$1.25B)	\$2.18B
DVY	iShares Select Dividend ETF	(\$0.08B)	(\$1.01B)	(\$0.40B)	\$0.38B	\$20.09B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.07B)	\$0.38B	\$1.30B	\$4.63B	\$64.91B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.06B)	(\$1.48B)	(\$0.03B)	\$1.25B	\$14.71B

<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



### 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)
XLC	Communication Services Select Sector SPDR Fund	0.00%	35.96%	6.98%	16.00%	68.94
XLK	Technology Select Sector SPDR Fund	0.00%	35.17%	6.64%	16.06%	70.76
XLP	Consumer Staples Select Sector SPDR Fund	-2.10%	14.09%	1.00%	3.10%	45.79
SPY	SPDR S&P 500 ETF Trust	-2.44%	17.58%	3.23%	5.87%	61.81
XLI	Industrial Select Sector SPDR Fund	-3.52%	20.74%	1.03%	2.83%	53.84
XLV	Health Care Select Sector SPDR Fund	-6.71%	9.02%	-0.28%	-0.35%	40.97
XLB	Materials Select Sector SPDR Fund	-11.00%	16.50%	-0.78%	0.02%	45.79
XLF	Financial Select Sector SPDR Fund	-11.51%	8.09%	1.68%	-3.21%	54.08
XLY	Consumer Discretionary Select Sector SPDR Fund	-11.64%	21.04%	5.03%	5.10%	66.09
XLU	Utilities Select Sector SPDR Fund	-15.25%	7.62%	-2.55%	-4.50%	34.96
XLE	Energy Select Sector SPDR Fund	-16.00%	17.10%	-3.70%	-6.30%	42.01
XLRE	Real Estate Select Sector SPDR Fund	-20.70%	7.40%	-1.34%	-5.15%	43.03

### Sector & Industry 1 Day Performance Leaders

### Sector & Industry Most Overbought

Ticker	Fund		Ticker	Fund	
SOXX	iShares Semiconductor ETF	3.16%	IGM	iShares Expanded Tech Sector ETF	74.98
SOXQ	Invesco PHLX Semiconductor ETF	3.13%	IETC	iShares U.S. Tech Independence Focused ETF	74.78
AMZA	InfraCap MLP ETF	3.11%	IYW	iShares U.S. Technology ETF	74.59
XSD	SPDR S&P Semiconductor ETF	2.87%	XNTK	SPDR NYSE Technology ETF	72.59
PSI	Invesco Dynamic Semiconductors ETF	2.81%	PSCT	Invesco S&P SmallCap Information Technology ETF	71.06
FTXL	First Trust Nasdaq Semiconductor ETF	2.73%	XLK	Technology Select Sector SPDR Fund	70.76
QTEC	First Trust NASDAQ-100 Technology Sector Index	2.72%	VGT	Vanguard Information Technology ETF	70.51
PSJ	Invesco Dynamic Software ETF	2.49%	ITB	iShares U.S. Home Construction ETF	70.33
PSCT	Invesco S&P SmallCap Information Technology ETF	2.42%	FTEC	Fidelity MSCI Information Technology Index ETF	70.23
IGV	iShares Expanded Tech-Software Sector ETF	2.41%	IGV	iShares Expanded Tech-Software Sector ETF	70.06

### Sector & Industry 1 Day Performance Laggards

### Sector & Industry Most Oversold

Ticker	Fund		Ticker	Fund	
XBI	SPDR S&P BIOTECH ETF	-1.18%	FXU	First Trust Utilities AlphaDEX Fund	34.41
INDS	Pacer Industrial Real Estate ETF	-1.10%	RYU	Invesco S&P 500 Equal Weight Utilities ETF	34.57
JPRE	JPMorgan Realty Income ETF	-0.85%	FUTY	Fidelity MSCI Utilities Index ETF	34.95
ICF	iShares Cohen & Steers REIT ETF	-0.82%	XLU	Utilities Select Sector SPDR Fund	34.96
IHF	iShares U.S. Healthcare Providers ETF	-0.79%	VPU	Vanguard Utilities ETF	35.05
REZ	iShares Residential and Multisector Real Estate ETF	-0.73%	IDU	iShares U.S. Utilities ETF	35.19
RWR	SPDR Dow Jones REIT ETF	-0.70%	IHE	iShares U.S. Pharmaceuticals ETF	35.26
DFAR	Dimensional US Real Estate ETF	-0.67%	XPH	SPDR S&P Pharmaceuticals ETF	37.11
SCHH	Schwab U.S. REIT ETF	-0.63%	XME	SPDR S&P Metals & Mining ETF	39.10
XLRE	Real Estate Select Sector SPDR Fund	-0.63%	FXH	First Trust Health Care AlphaDEX Fund	40.04

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

### Banks: Regional \$436M \$119M Software \$93M Oil & Gas Exploration & Production \$59M Banks \$51M Semiconductors \$43M Retail \$25M Health Care Providers & Services \$9M Infrastructure \$8M MLPs: C-Corp MLPs: Note \$7M \$2M Construction & Engineering \$1M Homebuilding BDCs \$0M \$0M Media & Entertainment \$0M Aerospace & Defense (\$2M) Pharmaceuticals (\$2M) Mortgage REITs Food & Beverage (\$3M) (\$3M) Natural Gas Leisure & Recreation (\$5M) (\$6M) Health Care Equipment & Supplies (\$10M) Midstream (\$11M) Oil & Gas Equipment & Services (\$15M) Metals & Mining (\$15M) Transportation (\$26M) Insurance (\$139M) Biotech

-200M

200M

1 Week (Custom SQL Query22)

400M

### U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$16B	\$116M	\$1,568M	\$1,668M	\$1,600M
Consumer Discretionary	12	\$23B	\$142M	\$804M	\$331M	(\$257M)
Consumer Staples	10	\$32B	(\$68M)	\$1,628M	\$2,110M	\$4,316M
Energy	32	\$67B	(\$165M)	(\$5,090M)	(\$8,127M)	(\$9,472M)
Financials	26	\$53B	\$193M	(\$1,754M)	(\$1,631M)	(\$4,389M)
Health Care	23	\$91B	\$32M	(\$2,134M)	(\$3,287M)	\$2,265M
Industrial	13	\$31B	\$320M	(\$163M)	\$782M	(\$287M)
Materials	9	\$13B	(\$87M)	(\$1,012M)	\$106M	(\$2,499M)
Multi-Sector	19	\$14B	\$7M	\$466M	(\$216M)	(\$2,092M)
Real Estate	25	\$54B	(\$84M)	(\$3,106M)	(\$3,498M)	(\$6,084M)
Technology	23	\$135B	\$282M	\$606M	(\$1,030M)	\$1,152M
Utilities	9	\$25B	(\$113M)	\$411M	\$329M	\$1,949M

## U.S. Sector & Industry Flow Leaders

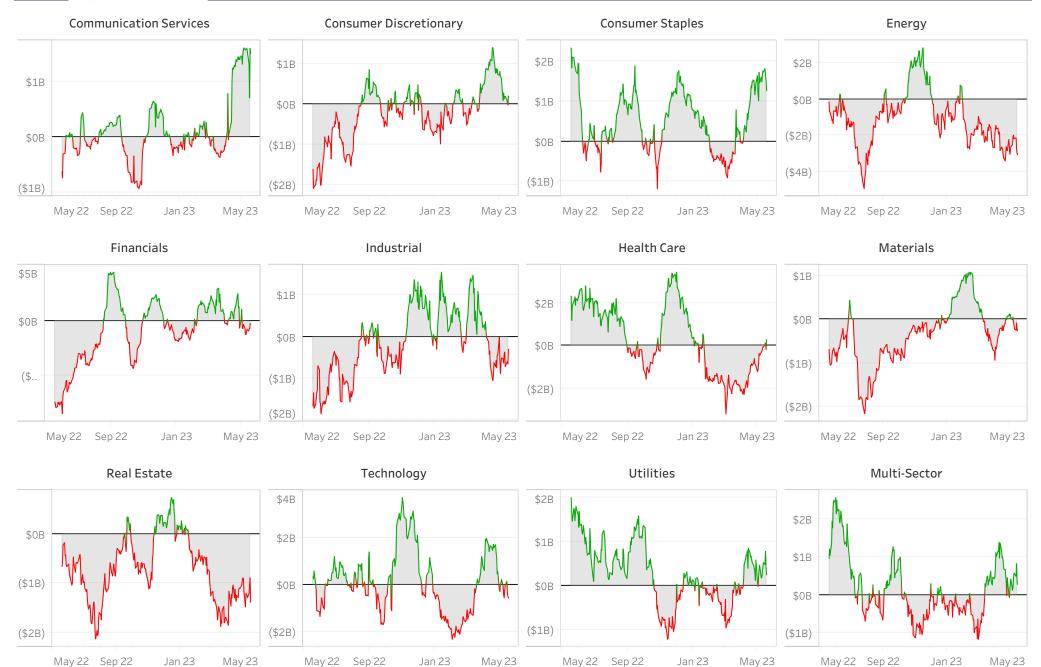
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
KRE	SPDR S&P Regional Banking ETF	\$410M	\$1,845M	\$1,231M	\$635M	\$3,231M
XLI	Industrial Select Sector SPDR Fund	\$366M	(\$521M)	(\$584M)	(\$1,311M)	\$13,263M
VGT	Vanguard Information Technology ETF	\$187M	(\$426M)	(\$1,185M)	(\$474M)	\$47,443M
XLV	Health Care Select Sector SPDR Fund	\$157M	\$33M	\$75M	\$2,516M	\$40,095M
IGV	iShares Expanded Tech-Software Sector ETF	\$121M	(\$207M)	\$82M	\$680M	\$5,333M
XLC	Communication Services Select Sector SPDR Fu	\$105M	\$1,567M	\$1,651M	\$1,676M	\$11,873M
XOP	SPDR S&P Oil & Gas Exploration & Production E	\$103M	(\$259M)	(\$723M)	(\$995M)	\$3,298M
XLY	Consumer Discretionary Select Sector SPDR Fu	\$90M	\$214M	(\$205M)	(\$640M)	\$14,773M
IYW	iShares U.S. Technology ETF	\$67M	\$806M	\$845M	\$2,622M	\$11,115M
SOXX	iShares Semiconductor ETF	\$65M	\$431M	\$272M	\$11M	\$7,768M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$201M)	(\$1,352M)	(\$1,109M)	(\$2,485M)	\$29,160M
XLK	Technology Select Sector SPDR Fund	(\$159M)	(\$1,545M)	(\$2,746M)	(\$1,645M)	\$44,115M
XLU	Utilities Select Sector SPDR Fund	(\$139M)	\$680M	\$464M	\$1,613M	\$15,708M
XBI	SPDR S&P BIOTECH ETF	(\$134M)	(\$1,159M)	(\$1,638M)	(\$121M)	\$6,639M
XLE	Energy Select Sector SPDR Fund	(\$112M)	(\$1,903M)	(\$2,776M)	(\$3,009M)	\$34,660M
VNQ	Vanguard Real Estate ETF	(\$88M)	(\$1,312M)	(\$1,774M)	(\$3,451M)	\$31,476M
VDE	Vanguard Energy ETF	(\$82M)	(\$344M)	(\$505M)	(\$759M)	\$7,125M
XLP	Consumer Staples Select Sector SPDR Fund	(\$79M)	\$1,286M	\$1,384M	\$2,682M	\$18,683M
FXZ	First Trust Materials AlphaDEX Fund	(\$36M)	(\$117M)	\$104M	(\$106M)	\$1,488M
VFH	Vanguard Financials ETF	(\$34M)	(\$528M)	(\$784M)	(\$1,297M)	\$7,463M

<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





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#### Global Thematic Segment 1-Day Performance Global Thematic 1-Day Performance Landscape Cloud Computing (SKYY) 1.89% o SRVR NXTG Disruptive Tech 1.87% Big Data (AIQ) **Evolving Consumer** KWEB EMQQ ESPC Industrial Revolution (ARKQ) 1.63% O BLOK O IPAY O O ARKE FinTech Disruptive Tech (ARKW) 1.58% Health Innovation ARKG Cyber Security (HACK) 1.55% CO REMX O IDRV Industrial Revolution O O ARKO O BOTZ 1.40% Multi-Theme (ARKK) O O GINN O XTO ARKK O O TECB Multi Robotics & AI (ROBO) 1.39% o 🐽 o GRID OO PHO Sustainability 00 0 0 0 0 Connectivity (FIVG) 1.33% 2.0% -4.0% -3.0% -2.0% -1.0% 0.0% 1.0% 3D Printing (PRNT) 1.22% 1.08% FinTech (FINX) Water (PHO) 1.08% Global Thematic 1-Day Performance Leaders Thematic Most Overbought Space (UFO) 1.00% Ticker Fund Ticker Fund SPDR FactSet Innovative Technology ETF 2.31% TIME Clockwise Capital Innovation ETF 72.74 NextGen Transportation (DRIV) 0.99% XITK WisdomTree Cloud Computing Fund 2 11% Global X Robotics & Artificial Intelligence ETF 70 99 WCLD 0.98% Online Retail (IBUY) **TECB** 70.31 BOTZ Global X Robotics & Artificial Intelligence ETF 2.05% iShares U.S. Tech Breakthrough Multisector ETF eSports & Video Games (ESPO 0.72% **TECB** iShares U.S. Tech Breakthrough Multisector ETF 2.02% OTUM Defiance Quantum ETF 69.56 CLOU Global X Artificial Intelligence & Technology ETF 69.04 Global X Cloud Computing ETF 1.97% AIO Genomics (ARKG) 0.69% 1.97% Clockwise Capital Innovation ETF SKYY 69.01 TIME First Trust Cloud Computing ETF Cannabis (MJ) 0.61% SKYY First Trust Cloud Computing ETF 1.89% METV Roundhill Ball Metaverse ETF 66.38 0.60% Digital Payments (IPAY) Global X Artificial Intelligence & Technology ETF 1.87% **GTEK** Goldman Sachs Future Tech Leaders Equity ETF 65.55 AIQ **METV** Roundhill Ball Metaverse ETF 1.82% ROBT First Trust Nasdaq Artificial Intelligence & Robotics ETF 63.87 Casinos & Gaming (BETZ) 0.52% Goldman Sachs Future Tech Leaders Equity ETF 1.81% **ARKO** ARK Autonomous Technology & Robotics ETF 63.54 GTEK Smart Infrastructure (GRID) 0.21% Global Thematic 1-Day Performance Laggards Thematic Most Oversold -0.15% Advanced Materials (REMX) -0.38% Evolving Consumer (SOCL) Ticker Fund Ticker Fund KraneShares CSI China Internet ETF **KWEB** -4.18% **RNRG** Global X Renewable Energy Producers ETF 39.57 -0.73% Biotech .. **EMOO** EMQQ The Emerging Markets Internet & Ecommerce E.. -2.74% SRVR Pacer Data & Infrastructure Real Estate ETF 40.93 -0.83% Digital Infrastructure (SRVR) **BITO** Bitwise Crypto Industry Innovators ETF -1.76% **KWEB** KraneShares CSI China Internet ETF 42.22 Clean Energy: Wind (FAN) -0.84% **BKCH** Global X Blockchain ETF -1.65% EDOC Global X Telemedicine & Digital Health ETF Registered 43.11 RNRG Global X Renewable Energy Producers ETF -1.40% PBD Invesco Global Clean Energy ETF 43.16 -0.94% Blockchain (BLOK) -1.27% HTEC ROBO Global Healthcare Technology and Innovation ETF 43.25 KGRN KraneShares MSCI China Clean Technology Index ETF Clean Energy (PBW) -0.98% TAN Invesco Solar ETF -1.24% TAN Invesco Solar ETF 44.72 ICLN iShares Global Clean Energy ETF -1.16% **KGRN** KraneShares MSCI China Clean Technology Index ETF 45.37 Clean Energy: Solar (TAN) -1.24% **PBW** Invesco WilderHill Clean Energy ETF -0.98% **EMOO** EMQQ The Emerging Markets Internet & Ecommerce ETF 45.79 -2.00% 0.00% 2 00% iShares Genomics Immunology and Healthcare ETF -0.95% iShares Global Clean Energy ETF IDNA ICLN 46.42

<sup>\*</sup> 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	
ARKG	ARK Genomic Revolution ETF	\$48M
ARKK	ARK Innovation ETF	\$28M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$20M
AIQ	Global X Artificial Intelligence & Technology ETF	\$15M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$14M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$5M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$5M
ERTH	Invesco MSCI Sustainable Future ETF	\$5M
FIW	First Trust Water FTF	\$4M

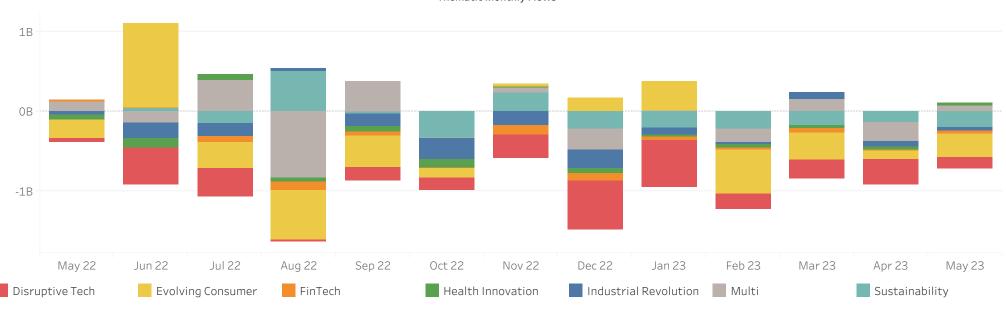
## Thematic 1 Week Flow Laggards

Ticker	Fund	
PHO	Invesco Water Resources ETF	(\$40M)
TAN	Invesco Solar ETF	(\$35M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$34M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$32M)
ICLN	iShares Global Clean Energy ETF	(\$27M)
KWEB	KraneShares CSI China Internet ETF	(\$19M)
KEMQ	KraneShares Emerging Markets Consumer Technology Index ETF	(\$16M)
LIT	Global X Lithium & Battery Tech ETF	(\$16M)
ACES	ALPS Clean Energy ETF	(\$14M)
ARKW	ARK Next Generation Internet ETF	(\$10M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$15B	(\$44M)	(\$745M)	(\$2,183M)	(\$3,576M)
Evolving Consumer	43	\$8B	(\$8M)	(\$972M)	(\$744M)	(\$1,360M)
FinTech	18	\$3B	(\$7M)	(\$155M)	(\$314M)	(\$601M)
Health Innovation	18	\$3B	\$34M	(\$52M)	(\$273M)	(\$509M)
Industrial Revolution	31	\$11B	\$12M	(\$72M)	(\$439M)	(\$1,336M)
Multi	40	\$14B	\$10M	(\$19M)	(\$756M)	(\$452M)
Sustainability	40	\$16B	(\$62M)	(\$560M)	(\$948M)	(\$833M)
Grand Total	224	\$70B	(\$65M)	(\$2,575M)	(\$5,656M)	(\$8,669M)

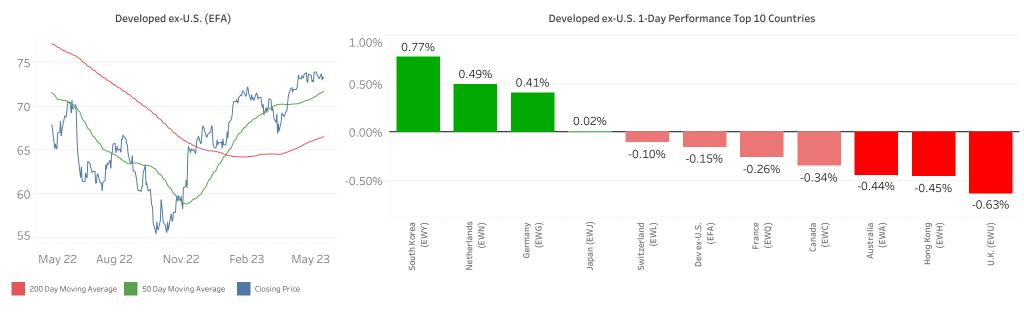
## Thematic Monthly Flows



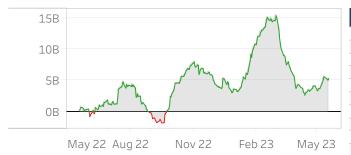
<sup>\*</sup> ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day







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



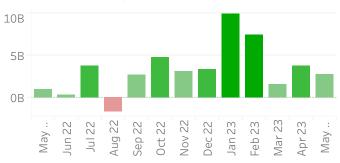
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	
HEDJ	WisdomTree Europe Hedged Equity Fund	0.96%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.82%
DXJ	WisdomTree Japan Hedged Equity Fund	0.78%
EWY	iShares MSCI South Korea ETF	0.77%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.74%
FLKR	Franklin FTSE South Korea ETF	0.72%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	0.70%
TOK	iShares MSCI Kokusai ETF	0.62%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	0.55%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	0.49%

Developed ex-U.S. Most Overbought

Ticker	Fund	
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	75.42
HEWJ	iShares Currency Hedged MSCI Japan ETF	74.72
DXJ	WisdomTree Japan Hedged Equity Fund	70.86
BBJP	JPMorgan BetaBuilders Japan ETF	68.95
EWJ	iShares MSCI Japan ETF	68.28
FLJP	Franklin FTSE Japan ETF	67.02
JPXN	iShares JPX-Nikkei 400 ETF	66.86
HEFA	iShares Currency Hedged MSCI EAFE ETF	63.82
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	63.33
EWJV	iShares MSCI Japan Value ETF	61.28

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	
GREK	Global X MSCI Greece ETF	-1.08%
IDLV	Invesco S&P International Developed Low Volatility ETF	-1.03%
MINV	Matthews Asia Innovators Active ETF	-1.02%
SCJ	iShares MSCI Japan Small-Cap ETF	-1.00%
NORW	Global X MSCI Norway ETF	-0.90%
EWP	iShares MSCI Spain ETF	-0.89%
EWI	iShares MSCI Italy ETF	-0.87%
EWS	iShares MSCI Singapore ETF	-0.78%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.75%
FIDI	Fidelity International High Dividend ETF	-0.72%

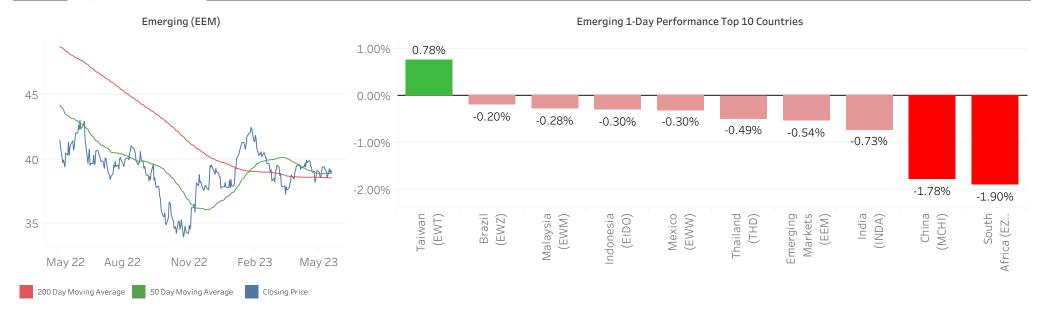
Developed ex-U.S. Most Oversold

Ticker	Fund	
EWS	iShares MSCI Singapore ETF	35.45
EWH	iShares MSCI Hong Kong ETF	37.46
IDV	iShares International Select Dividend ETF	39.82
DTH	WisdomTree International High Dividend Fund	40.53
EWP	iShares MSCI Spain ETF	41.04
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Ja	41.66
EPP	iShares MSCI Pacific ex-Japan ETF	41.83
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	42.20
DFE	WisdomTree Europe SmallCap Dividend Fund	42.53
NORW	Global X MSCI Norway ETF	43.47

<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 30-Day Rolling Flows**



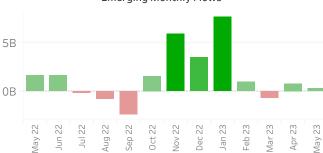
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Ticker	Fund	
EPHE	iShares MSCI Philippines ETF	1.32%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.14%
FLTW	Franklin FTSE Taiwan ETF	0.82%
EDIV	SPDR S&P Emerging Markets Dividend ETF	0.81%
EWT	iShares MSCI Taiwan ETF	0.78%
ECH	iShares MSCI Chile ETF	0.54%
KSA	iShares MSCI Saudi Arabia ETF	0.44%
PIE	Invesco DWA Emerging Markets Momentum ETF	0.25%
FLN	First Trust Latin America AlphaDEX Fund	0.22%
FRDM	Freedom 100 Emerging Markets ETF	0.20%

Emerging Most Overbought

Ticker	Fund	
KSA	iShares MSCI Saudi Arabia ETF	67.76
EWZS	iShares MSCI Brazil Small-Cap ETF	67.67
SMIN	iShares MSCI India Small Cap ETF	64.67
FLTW	Franklin FTSE Taiwan ETF	64.01
EWT	iShares MSCI Taiwan ETF	63.74
FLLA	Franklin FTSE Latin America ETF	63.67
FLBR	Franklin FTSE Brazil ETF	63.53
EWZ	iShares MSCI Brazil ETF	63.14
ILF	iShares Latin America 40 ETF	62.38
QAT	iShares MSCI Qatar ETF	62.29

**Emerging Monthly Flows** 



Emerging 1-Day Performance Laggards

Ticker	Fund	_
TUR	iShares MSCI Turkey ETF	-3.65%
PGJ	Invesco Golden Dragon China ETF	-3.34%
EPU	iShares MSCI Peru and Global Exposure ETF	-2.12%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-2.08%
EZA	iShares MSCI South Africa ETF	-1.90%
MCHI	iShares MSCI China ETF	-1.78%
BKF	iShares MSCI BIC ETF	-1.72%
GXC	SPDR S&P China ETF	-1.58%
FLCH	Franklin FTSE China ETF	-1.40%
FXI	iShares China Large-Cap ETF	-1.37%

Emerging Most Oversold

Ticker	Fund	
EZA	iShares MSCI South Africa ETF	32.10
THD	iShares MSCI Thailand ETF	35.09
KBA	KraneShares Bosera MSCI China A 50 Connect Index	35.18
EWM	iShares MSCI Malaysia ETF	35.19
ECNS	iShares MSCI China Small-Cap ETF	35.39
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F	35.64
FEM	First Trust Emerging Markets AlphaDEX Fund	35.70
RAYC	Rayliant Quantamental China Equity ETF	35.74
CNYA	iShares MSCI China A ETF	36.42
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	36.87

<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







## Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	-0.47%	-0.50%	2.36%
SHY	1-3 Year Treasury Bonds	-0.18%	0.21%	1.68%
IEF	7-10 Year Treasury Bonds	-0.62%	-0.22%	3.20%
TLT	20+ Year Treasury Bonds	-0.74%	-2.03%	3.31%
TIP	TIPS Bonds	-0.33%	-0.29%	2.64%
FLOT	Floating Rate Bonds	-0.04%	0.62%	2.20%
LQD	Investment Grade Corporate	-0.42%	-1.79%	2.58%
HYG	High Yield Corporate	0.05%	-0.91%	2.67%
BKLN	Senior Loan	-0.10%	-0.37%	3.79%
PFF	Preferred & Income Securities	0.02%	-3.62%	0.60%
MUB	Municipal Bonds	-0.54%	-0.61%	1.41%
МВВ	MBS	-0.49%	-0.10%	1.99%
EMB	Dollar Denominated EM Bonds	-0.40%	-0.93%	1.15%
LEMB	Local Currency EM Bond	-0.52%	2.11%	5.39%

## **Commodities Performance**

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.53%	-7.49%	-10.29%
DBE	Energy	-0.76%	-7.52%	-13.19%
USO	WTI Crude Oil	-0.87%	-9.46%	-8.66%
BNO	Brent Crude Oil	-1.12%	-9.59%	-9.62%
UNG	Natural Gas	8.41%	1.77%	-46.95%
UGA	Gasoline	-0.07%	-4.64%	-0.85%
DBP	Precious Metals	-1.23%	-3.24%	5.04%
GLD	Gold	-1.30%	-2.37%	7.19%
SLV	Silver	-1.19%	-6.87%	-2.09%
PPLT	abrdn Physical Platin	-1.91%	-2.40%	-1.58%
PALL	abrdn Physical Palla	-1.23%	-9.49%	-17.63%
DBB	Base Metals	-1.45%	-8.96%	-5.91%
CPER	Copper	-1.30%	-9.14%	-1.43%
LD	Lead	0.69%	-3.70%	-9.94%
JJN	Nickel	-2.45%	-17.83%	-29.93%
JJU	Aluminum	-0.35%	-5.81%	-5.28%
JJT	Tin	0.04%	-8.56%	1.37%
DBA	Agriculture	-0.38%	-2.82%	2.73%
CORN	Corn	0.14%	-12.76%	-17.45%
SOYB	Soybeans	0.02%	-9.19%	-12.79%
WEAT	Wheat	-1.91%	-13.22%	-22.68%
CANE	Sugar	-1.02%	8.11%	42.71%
BAL	Cotton	0.14%	3.08%	5.39%
NIB	Cocoa	-0.37%	0.89%	21.32%
JO	Coffee	-0.15%	-7.20%	14.15%

### **Currencies Performance**

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.75%	2.27%	1.94%
UDN	Short Dollar	-0.75%	-1.64%	0.81%
FXE	Euro	-0.60%	-1.70%	1.03%
FXB	British Pound Sterling	-0.60%	0.05%	3.70%
FXF	Swiss Franc	-0.73%	-0.91%	1.98%
FXY	Japanese Yen	-0.81%	-3.43%	-5.64%
FXC	Canadian Dollar	-0.30%	-0.52%	1.13%
FXA	Australian Dollar	-0.59%	-1.45%	-2.40%

<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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Contact us at:

team@etfaction.com www.etfaction.com