

240 May 22 Aug 22 Nov 22 Feb 23 May 23

Small Can Bland (S&P 600) LIP

	Size & Style 1-Day Performance Leaders						
Ticker	Fund						
SIXS	ETC 6 Meridian Small Cap Equity ETF	0.65%					
XSLV	Invesco S&P SmallCap Low Volatility ETF	0.65%					
SVAL	iShares US Small Cap Value Factor ETF	0.43%					
FDM	First Trust Dow Jones Select MicroCap Index Fund	0.41%					
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	0.36%					
FYT	First Trust Small Cap Value AlphaDEX Fund	0.30%					
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.29%					
WBIY	WBI Power Factor High Dividend ETF	0.29%					
DES	WisdomTree U.S. SmallCap Dividend Fund	0.25%					
XSVM	Invesco S&P SmallCap Value with Momentum ETF	0.25%					

Ticker	Fund	
SPC	CrossingBridge Pre-Merger SPAC ETF	71.97
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	65.15
PTNQ	Pacer Trendpilot 100 ETF	64.53
QQQ	Invesco QQQ Trust	63.57
QQQM	Invesco NASDAQ 100 ETF	63.32
QQH	HCM Defender 100 Index ETF	62.72
ONEQ	Fidelity Nasdaq Composite Index ETF	61.81
IWC	iShares Micro-Cap ETF	61.73
JSML	Janus Henderson Small Cap Growth Alpha ETF	61.44
FDM	First Trust Dow Jones Select MicroCap Index Fund	61.29

Size & Style Most Overbought

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110	_					Ticker
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	May 22	Aug 22	Nov 22	Feb 23	May 23	FDMO
CI	osing Price		50 Day Moving	) Average	200 Day Movii	ng Average

Ticker	Fund	
LCG	Sterling Capital Focus Equity ETF	-2.50%
FFTY	Innovator IBD 50 ETF	-2.23%
PDP	Invesco DWA Momentum ETF	-1.89%
WINN	Harbor Long-Term Growers ETF	-1.84%
FTC	First Trust Large Cap Growth AlphaDEX Fund	-1.82%
QGRO	American Century STOXX U.S. Quality Growth ETF	-1.82%
VOT	Vanguard Mid-Cap Growth ETF	-1.67%
IWP	iShares Russell Mid-Cap Growth ETF	-1.66%
TMFM	Motley Fool Mid-Cap Growth ETF	-1.60%
FDMO	Fidelity Momentum Factor ETF	-1.58%

Size & Style 1-Day Performance Laggards

Ticker	Fund	
SPLV	Invesco S&P 500 Low Volatility ETF	33.38
ALTL	Pacer Lunt Large Cap Alternator ETF	33.56
HUSV	First Trust Horizon Managed Volatility Domestic ETF	33.74
DVOL	First Trust Dorsey Wright Momentum & Low Volatili	34.50
DIVZ	TrueShares Low Volatility Equity Income ETF	35.68
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	36.18
VSDA	VictoryShares Dividend Accelerator ETF	38.64
FVD	First Trust Value Line Dividend Index Fund	38.74
CDC	VictoryShares US EQ Income Enhanced Volatility Wt	38.81
LGLV	SPDR SSGA US Large Cap Low Volatility Index ETF	38.94

Size & Style Most Oversold

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<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	\$1,322B	\$3.57B	\$15.98B	(\$8.12B)	\$58.83B
Large Cap, Beta, Beta: Growth	10	\$256B	\$0.39B	\$3.99B	\$5.12B	\$18.69B
Large Cap, Beta, Beta: Value	11	\$213B	(\$3.19B)	(\$8.75B)	(\$8.88B)	(\$3.26B)
Mid Cap, Beta, Beta	10	\$181B	(\$0.40B)	(\$0.96B)	\$1.85B	\$8.83B
Mid Cap, Beta, Beta: Growth	6	\$34B	\$0.03B	\$0.33B	(\$0.38B)	\$1.01B
Mid Cap, Beta, Beta: Value	6	\$38B	(\$0.07B)	(\$1.26B)	(\$1.18B)	\$0.77B
Small Cap, Beta, Beta	13	\$188B	\$1.74B	(\$1.97B)	(\$0.72B)	\$6.47B
Small Cap, Beta, Beta: Growth	7	\$32B	(\$0.05B)	(\$0.14B)	\$0.05B	\$0.87B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.23B)	(\$1.73B)	(\$0.66B)	(\$0.77B)

### Mid-Cap 30-Day Rolling Flows



U.S. Size & Style Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$3.60B	\$8.60B	(\$5.92B)	\$8.70B	\$390.67B
IWM	iShares Russell 2000 ETF	\$1.73B	(\$1.20B)	(\$3.37B)	(\$0.41B)	\$50.73B
DFAC	Dimensional U.S. Core Equity 2 ETF	\$0.38B	\$1.57B	\$2.78B	\$4.59B	\$19.39B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.33B	(\$2.14B)	(\$0.11B)	\$1.87B	\$32.72B
VOO	Vanguard S&P 500 ETF	\$0.29B	\$6.90B	\$10.50B	\$32.03B	\$296.46B
VTI	Vanguard Total Stock Market ETF	\$0.27B	\$2.68B	\$8.15B	\$20.73B	\$289.77B
IJR	iShares Core S&P Small Cap ETF	\$0.21B	(\$0.62B)	\$0.39B	\$4.07B	\$64.84B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.20B	\$9.38B	\$9.13B	\$7.24B	\$29.39B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.20B	(\$0.84B)	(\$2.02B)	(\$0.94B)	\$27.94B
JEPQ	J.P. Morgan Nasdaq Equity Premium Income	\$0.17B	\$1.11B	\$1.92B	\$2.71B	\$2.92B

### Small-Cap 30-Day Rolling Flows



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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTV	Vanguard Value ETF	(\$3.12B)	(\$4.09B)	(\$3.73B)	(\$0.59B)	\$96.50B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.34B)	(\$0.28B)	(\$0.52B)	(\$0.05B)	\$9.62B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.20B)	(\$0.44B)	(\$0.10B)	\$0.21B	\$18.37B
VB	Vanguard Small-Cap ETF	(\$0.19B)	(\$0.45B)	\$0.64B	\$0.95B	\$42.05B
QQQ	Invesco QQQ Trust	(\$0.19B)	\$0.61B	(\$8.79B)	(\$3.04B)	\$180.33B
IWB	iShares Russell 1000 ETF	(\$0.17B)	(\$0.18B)	(\$0.89B)	\$0.33B	\$28.80B
IVV	iShares Core S&P 500 ETF	(\$0.12B)	(\$1.99B)	(\$7.04B)	\$8.44B	\$312.06B
IWD	iShares Russell 1000 Value ETF	(\$0.12B)	(\$1.85B)	(\$4.17B)	(\$3.82B)	\$49.19B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.11B)	\$0.21B	\$0.99B	\$4.57B	\$65.15B
IWN	iShares Russell 2000 Value ETF	(\$0.10B)	(\$0.19B)	(\$0.72B)	(\$0.40B)	\$10.82B

<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



Health Care Svcs (XHS)

Semiconductor (XSD)

Technology (XLK)

Materials (XLB)

Homebuilders (XHB)

Aerospace & Defense (XAR)

Health Care Equipment (XHE)

#### S&P Sector & Industry 1 Day Performance

#### Energy (XLE) 1.07% Regional Banking (KRE) 0.99% 0.65% Banks (KBE) Oil & Gas Equip. & Svcs (XES) 0.32% Oil & Gas Expl. & Prod (XOP) 0.26% Biotech (XBI) 0.02% Transportation (XTN) -0.11% -0.35% Utilities (XLU) Retail (XRT -0.45% Metals & Mining (XME) -0.63% Internet (XWEB) -0.67% -0.74% Cons Staples (XLP) Pharmaceuticals (XPH) -0.80% Cons Discretionary (XLY) -0.91% Telecom (XTL) -0.95% -1.01% Capital Mkts (KCE) Software & Svcs (XSW) -1.08% Health Care (XLV) -1.10% S&P 500 (SPY) -1.12% Financials (XLF) -1.16% Industrial (XLI) -1.20% -1.23% Real Estate (XLRE) -1.24% Comm Svcs (XLC) Insurance (KIE) -1.28%

-1.28% -1.32%

-1.48%

-1.55%

-1.61%

-2.0%

0.0%

-1.89%

-2.80% -4.0%

#### 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	-1.24%	34.77%	5.08%	14.93%	61.88
XLK	Technology Select Sector SPDR Fund	-1.48%	33.36%	4.39%	14.44%	61.78
SPY	SPDR S&P 500 ETF Trust	-3.63%	16.13%	1.52%	4.62%	52.82
XLP	Consumer Staples Select Sector SPDR Fund	-4.23%	11.61%	-1.46%	0.89%	32.23
XLI	Industrial Select Sector SPDR Fund	-4.93%	18.98%	-0.47%	1.34%	46.43
XLV	Health Care Select Sector SPDR Fund	-7.21%	8.43%	-1.07%	-0.85%	38.74
XLB	Materials Select Sector SPDR Fund	-12.61%	14.39%	-2.58%	-1.73%	38.75
XLF	Financial Select Sector SPDR Fund	-12.76%	6.57%	0.20%	-4.43%	47.76
XLY	Consumer Discretionary Select Sector SPDR Fund	-13.45%	18.56%	2.39%	3.17%	55.02
XLE	Energy Select Sector SPDR Fund	-14.80%	18.77%	-2.17%	-5.00%	47.19
XLU	Utilities Select Sector SPDR Fund	-15.64%	7.12%	-3.06%	-4.72%	33.35
XLRE	Real Estate Select Sector SPDR Fund	-21.29%	6.60%	-2.01%	-5.51%	41.18

#### Sector & Industry 1 Day Performance Leaders

#### Sector & Industry Most Overbought

Ticker	Fund		Ticker	Fund	
QABA	First Trust NASDAQ ABA Community Bank Index F	1.69%	PSCT	Invesco S&P SmallCap Information Technology ETF	69.58
XLE	Energy Select Sector SPDR Fund	1.07%	IETC	iShares U.S. Tech Independence Focused ETF	66.76
KRE	SPDR S&P Regional Banking ETF	0.99%	IYW	iShares U.S. Technology ETF	65.66
VDE	Vanguard Energy ETF	0.96%	IGM	iShares Expanded Tech Sector ETF	64.96
FENY	Fidelity MSCI Energy Index ETF	0.93%	QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	62.94
IYE	iShares U.S. Energy ETF	0.88%	IGV	iShares Expanded Tech-Software Sector ETF	62.31
KBWR	Invesco KBW Regional Banking ETF	0.87%	XNTK	SPDR NYSE Technology ETF	62.28
IAT	iShares U.S. Regional Banks ETF	0.84%	XLC	Communication Services Select Sector SPDR Fund	61.88
FTXO	First Trust Nasdaq Bank ETF	0.70%	FDN	First Trust Dow Jones Internet Index Fund	61.80
KBWY	Invesco KBW Premium Yield Equity REIT ETF	0.66%	XLK	Technology Select Sector SPDR Fund	61.78

### Sector & Industry 1 Day Performance Laggards

#### Sector & Industry Most Oversold

Ticker	Fund		Ticker	Fund	
XHE	SPDR S&P Health Care Equipment ETF	-2.80%	XLP	Consumer Staples Select Sector SPDR Fund	32.23
IHI	iShares U.S. Medical Devices ETF	-2.68%	VDC	Vanguard Consumer Staples ETF	32.92
PEJ	Invesco Dynamic Leisure & Entertainment ETF	-2.11%	XLU	Utilities Select Sector SPDR Fund	33.35
ITB	iShares U.S. Home Construction ETF	-2.01%	FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I	33.43
PKB	Invesco Dynamic Building & Construction ETF	-1.97%	RYU	Invesco S&P 500 Equal Weight Utilities ETF	33.76
ITA	iShares U.S. Aerospace & Defense ETF	-1.89%	IDU	iShares U.S. Utilities ETF	33.81
XAR	SPDR S&P Aerospace & Defense ETF	-1.89%	VPU	Vanguard Utilities ETF	33.85
PTF	Invesco DWA Technology Momentum ETF	-1.87%	SZNE	Pacer CFRA-Stovall Equal Weight Seasonal Rotation ETF	33.85
PNQI	Invesco NASDAQ Internet ETF	-1.87%	FUTY	Fidelity MSCI Utilities Index ETF	33.94
PRN	Invesco DWA Industrials Momentum ETF	-1.66%	FTXG	First Trust Nasdaq Food & Beverage ETF	34.90

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2.0%

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



### U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$16B	\$11M	\$1,620M	\$1,658M	\$1,387M
Consumer Discretionary	12	\$23B	\$182M	\$1,154M	\$485M	(\$532M)
Consumer Staples	10	\$32B	\$69M	\$1,886M	\$2,202M	\$4,056M
Energy	32	\$67B	(\$493M)	(\$5,276M)	(\$8,406M)	(\$9,505M)
Financials	26	\$53B	\$247M	(\$1,126M)	(\$1,663M)	(\$4,145M)
Health Care	23	\$92B	\$123M	(\$1,863M)	(\$3,580M)	\$1,776M
Industrial	13	\$31B	(\$176M)	(\$627M)	\$117M	(\$422M)
Materials	9	\$13B	(\$93M)	(\$990M)	\$21M	(\$2,783M)
Multi-Sector	19	\$15B	\$217M	\$641M	\$29M	(\$1,926M)
Real Estate	25	\$54B	(\$191M)	(\$2,786M)	(\$3,632M)	(\$6,310M)
Technology	23	\$139B	\$388M	\$1,810M	(\$467M)	\$1,422M
Utilities	9	\$25B	(\$31M)	\$792M	\$41M	\$1,735M

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

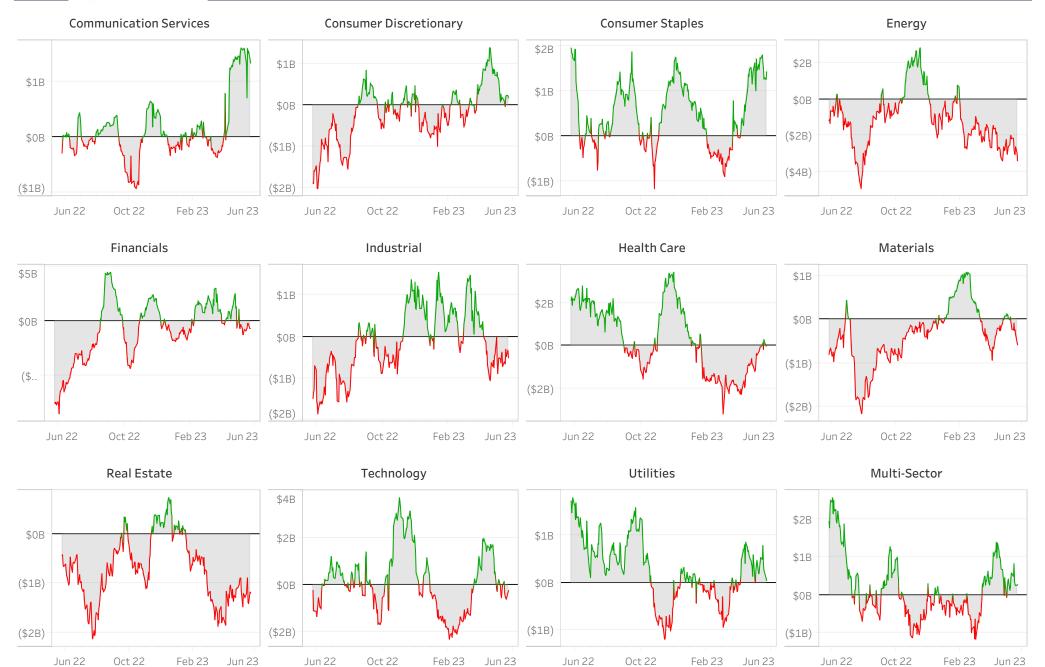
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VGT	Vanguard Information Technology ETF	\$539M	(\$30M)	(\$742M)	(\$97M)	\$48,760M
XLV	Health Care Select Sector SPDR Fund	\$380M	\$228M	(\$80M)	\$2,554M	\$40,458M
KRE	SPDR S&P Regional Banking ETF	\$228M	\$1,837M	\$1,268M	\$580M	\$3,238M
XLY	Consumer Discretionary Select Sector SPDR Fu	\$181M	\$509M	\$14M	(\$611M)	\$14,934M
IGV	iShares Expanded Tech-Software Sector ETF	\$155M	\$195M	\$148M	\$746M	\$5,573M
PAVE	Global X U.S. Infrastructure Development ETF	\$106M	\$460M	\$385M	(\$485M)	\$4,135M
XHB	SPDR S&P Homebuilders ETF	\$104M	\$15M	(\$9M)	(\$103M)	\$1,061M
XLF	Financial Select Sector SPDR Fund	\$84M	(\$797M)	(\$927M)	(\$2,408M)	\$29,441M
IYW	iShares U.S. Technology ETF	\$83M	\$868M	\$890M	\$2,767M	\$11,441M
XLP	Consumer Staples Select Sector SPDR Fund	\$76M	\$1,535M	\$1,552M	\$2,476M	\$18,551M

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	(\$455M)	(\$1,178M)	(\$2,841M)	(\$1,983M)	\$45,084M
XBI	SPDR S&P BIOTECH ETF	(\$222M)	(\$1,097M)	(\$1,709M)	(\$672M)	\$6,537M
XOP	SPDR S&P Oil & Gas Exploration & Production E	(\$208M)	(\$325M)	(\$853M)	(\$1,189M)	\$3,225M
XLE	Energy Select Sector SPDR Fund	(\$197M)	(\$2,190M)	(\$2,893M)	(\$3,100M)	\$34,841M
XLI	Industrial Select Sector SPDR Fund	(\$161M)	(\$807M)	(\$1,208M)	(\$1,410M)	\$13,022M
VNQ	Vanguard Real Estate ETF	(\$136M)	(\$1,419M)	(\$1,810M)	(\$3,623M)	\$31,347M
XME	SPDR S&P Metals & Mining ETF	(\$61M)	(\$468M)	(\$147M)	(\$640M)	\$1,703M
IYR	iShares U.S. Real Estate ETF	(\$41M)	(\$630M)	(\$494M)	(\$1,088M)	\$2,713M
IBB	iShares Biotechnology ETF	(\$39M)	(\$504M)	(\$871M)	(\$536M)	\$7,871M
ITB	iShares U.S. Home Construction ETF	(\$39M)	\$390M	\$285M	\$96M	\$1,874M

<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 Genomics (ARKG) 0.18% O OO CLOUGOOO OO OO BUG Disruptive Tech Clean Energy (PBW) 0.11% **Evolving Consumer** ○ KWEB ○ EMQQ MSOS 0 Biotech .. 0.04% ARKE OOO BLOK FinTech -0.28% Clean Energy: Solar (TAN) ARKG Health Innovation Connectivity (FIVG) -0.99% Industrial Revolution 0 ARKOO LIT 3D Printing (PRNT) -1.00% ARKK Multi METVOOTECBKOMP -1.19% Smart Infrastructure (GRID) o o ACES oo ERTH O OCLNO 0 Sustainability Evolving Consumer (SOCL) -1.25% -3.0% -2.5% -2.0% -1.5% -1.0% -0.5%0.0% 0.5% 1.0% 1.5% Blockchain (BLOK) -1.34% -1.42% FinTech (FINX) Water (PHO) -1.42% Global Thematic 1-Day Performance Leaders Thematic Most Overbought Cloud Computing (SKYY) -1.43% Ticker Fund Ticker Fund MSOS AdvisorShares Pure US Cannabis ETF 1.63% TIME Clockwise Capital Innovation ETF 65.73 Cyber Security (HACK) -1.48% 1 41% SBIO ALPS Medical Breakthroughs ETF 65 44 IDNA iShares Genomics Immunology and Healthcare ETF -1.49% Digital Payments (IPAY) **ARKG** 64.98 **GNOM** Global X Genomics & Biotechnology ETF 0.38% ARK Genomic Revolution ETF Online Retail (IBUY) -1.49% ACES ALPS Clean Energy ETF 0.21% **OTUM** Defiance Quantum ETF 63.71 First Trust Cloud Computing ETF 63.45 ARKG ARK Genomic Revolution ETF 0.18% SKYY Industrial Revolution (ARKQ) -1.49% **PBW** 0.11% **TECB** 62.41 Invesco WilderHill Clean Energy ETF iShares U.S. Tech Breakthrough Multisector ETF Clean Energy: Wind (FAN) -1.62% SBIO ALPS Medical Breakthroughs ETF 0.04% AIO Global X Artificial Intelligence & Technology ETF 62.32 -1.62% Big Data (AIQ) **MJUS** ETFMG U.S. Alternative Harvest ETF 0.00% XITK SPDR FactSet Innovative Technology ETF 61.67 **CNRG** SPDR S&P Kensho Clean Power ETF -0.11% **BTEC** Principal Healthcare Innovators ETF 61.46 Space (UFO) -1.66% Invesco Solar ETF -0.28% BOT7 Global X Robotics & Artificial Intelligence ETF 61.30 TAN Cannabis (MJ) -1.78% Global Thematic 1-Day Performance Laggards Thematic Most Oversold -1.81% NextGen Transportation (DRIV) Digital Infrastructure (SRVR) -1.85% Ticker Fund Ticker Fund **KWEB** KraneShares CSI China Internet ETF -3.13% PAWZ ProShares Pet Care ETF 34.81 Advanced Materials (REMX) -1.90% VanEck Gaming ETF -3.11% SRVR Pacer Data & Infrastructure Real Estate ETF 37.85 BJK Robotics & AI (ROBO) -1.92% **EMOO** EMQQ The Emerging Markets Internet & Ecommerce E... -2.76% BJK VanEck Gaming ETF 40.06 -2.52% Disruptive Tech (ARKW) -1.96% BLCN Siren ETF Trust Siren Nasdag NexGen Economy ETF **KWEB** KraneShares CSI China Internet ETF 40.31 **BKCH** Global X Blockchain ETF -2.51% **EDOC** Global X Telemedicine & Digital Health ETF Registered 42.30 -2.07% eSports & Video Games (ESPO -2.38% 42.77 KGRN KraneShares MSCI China Clean Technology Index ETF EMOO EMQQ The Emerging Markets Internet & Ecommerce ETF Multi-Theme (ARKK) -2.17% BOTZ Global X Robotics & Artificial Intelligence ETF -2.31% CGW Invesco S&P Global Water Index ETF 43.40 BETZ Roundhill Sports Betting & iGaming ETF -2.30% ETFMG Travel Tech ETF 44.42 Casinos & Gaming (BETZ) -2.30% **AWAY** ARKK ARK Innovation ETF -2.17% **GDOC** Goldman Sachs Future Health Care Equity ETF 44.45 -2.00% 0.00% Global X Telemedicine & Digital Health ETF Registered -2.07% First Trust Global Wind Energy ETF EDOC FAN 44.47

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#### Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$111M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$99M
AIQ	Global X Artificial Intelligence & Technology ETF	\$20M
ROBT	First Trust Nasdaq Artificial Intelligence & Robotics ETF	\$17M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$14M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$12M
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	\$10M
ERTH	Invesco MSCI Sustainable Future ETF	\$7M
ARKF	ARK Fintech Innovation ETF	\$6M
FIW	First Trust Water ETF	\$4M

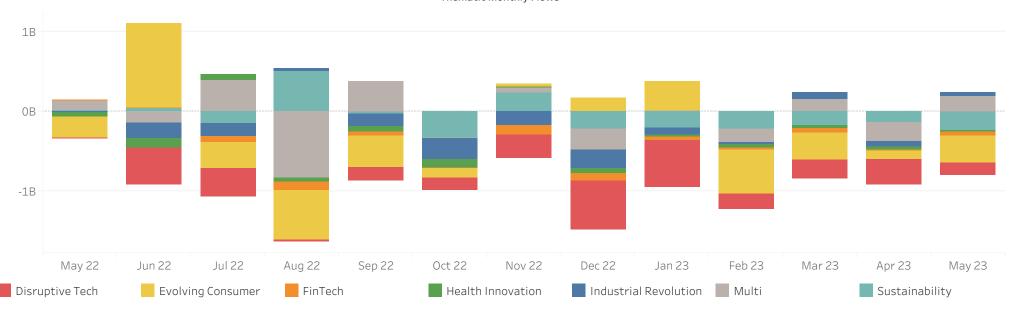
### Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKG	ARK Genomic Revolution ETF	(\$37M)
KWEB	KraneShares CSI China Internet ETF	(\$34M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$31M)
ICLN	iShares Global Clean Energy ETF	(\$30M)
TAN	Invesco Solar ETF	(\$29M)
MJUS	ETFMG U.S. Alternative Harvest ETF	(\$14M)
LIT	Global X Lithium & Battery Tech ETF	(\$13M)
FINX	Global X FinTech ETF	(\$9M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$9M)
SNSR	Global X Internet of Things ETF	(\$8M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	34	\$15B	(\$20M)	(\$720M)	(\$2,169M)	(\$3,553M)
Evolving Consumer	43	\$8B	(\$62M)	(\$883M)	(\$806M)	(\$1,440M)
FinTech	18	\$3B	(\$7M)	(\$141M)	(\$285M)	(\$621M)
Health Innovation	18	\$3B	(\$45M)	(\$100M)	(\$267M)	(\$549M)
Industrial Revolution	31	\$11B	\$74M	\$40M	(\$319M)	(\$1,216M)
Multi	40	\$15B	\$159M	\$110M	(\$448M)	(\$321M)
Sustainability	40	\$16B	(\$71M)	(\$558M)	(\$1,113M)	(\$865M)
Grand Total	224	\$71B	\$28M	(\$2,251M)	(\$5,408M)	(\$8,566M)

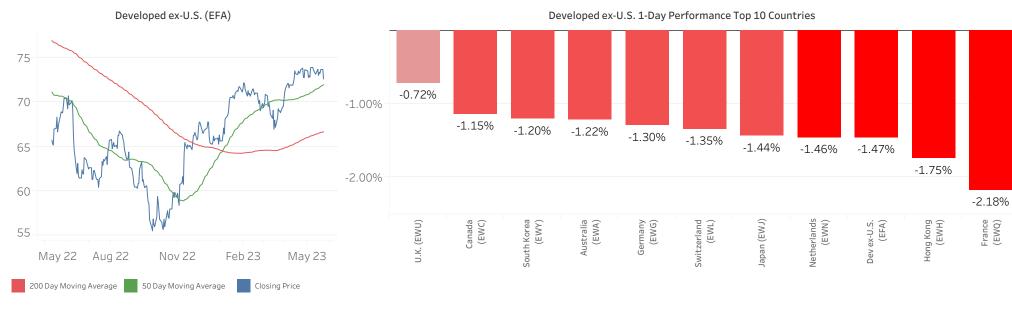
### Thematic Monthly Flows



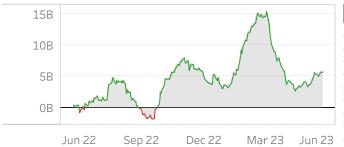
<sup>\*</sup> ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day







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



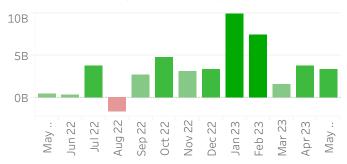
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	
LVHI	Franklin International Low Volatility High Dividend Index ETF	-0.33%
GREK	Global X MSCI Greece ETF	-0.41%
EWS	iShares MSCI Singapore ETF	-0.41%
NORW	Global X MSCI Norway ETF	-0.45%
FDD	First Trust Stoxx European Select Dividend Index Fund	-0.67%
EWU	iShares MSCI United Kingdom ETF	-0.72%
IDOG	ALPS International Sector Dividend Dogs ETF	-0.73%
FLGB	Franklin FTSE United Kingdom ETF	-0.75%
IVLU	iShares MSCI Intl Value Factor ETF	-0.77%
IDV	iShares International Select Dividend ETF	-0.77%

Developed ex-U.S. Most Overbought

Ticker	Fund	
GREK	Global X MSCI Greece ETF	69.75
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	65.36
HEWJ	iShares Currency Hedged MSCI Japan ETF	65.18
DXJ	WisdomTree Japan Hedged Equity Fund	63.65
FLKR	Franklin FTSE South Korea ETF	58.75
JPXN	iShares JPX-Nikkei 400 ETF	58.30
BBJP	JPMorgan BetaBuilders Japan ETF	58.14
EWJ	iShares MSCI Japan ETF	57.97
EWY	iShares MSCI South Korea ETF	57.47
FLJP	Franklin FTSE Japan ETF	57.00

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	
EDEN	iShares MSCI Denmark ETF	-2.59%
EIS	iShares MSCI Israel ETF	-2.52%
FSZ	First Trust Switzerland AlphaDEX Fund	-2.25%
EWQ	iShares MSCI France ETF	-2.18%
AIA	iShares Asia 50 ETF	-2.18%
ISRA	VanEck Israel ETF	-2.07%
PIZ	Invesco DWA Developed Markets Momentum ETF	-2.05%
IQDG	WisdomTree International Quality Dividend Growth Fund	-2.05%
EWD	iShares MSCI Sweden ETF	-1.99%
EFG	iShares MSCI EAFE Growth ETF	-1.95%

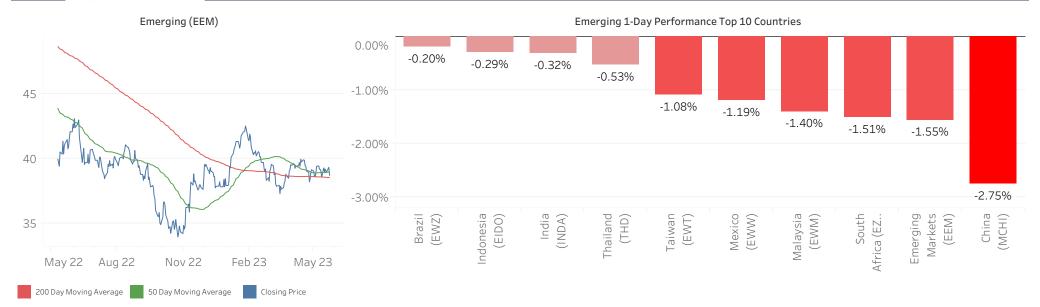
Developed ex-U.S. Most Oversold

Ticker	Fund	
EWH	iShares MSCI Hong Kong ETF	36.73
DLS	WisdomTree International SmallCap Dividend Fund	37.82
IQDG	WisdomTree International Quality Dividend Growth	37.92
IDV	iShares International Select Dividend ETF	38.32
FYLD	Cambria Foreign Shareholder Yield ETF	38.89
EUDG	WisdomTree Europe Quality Dividend Growth Fund	39.67
DTH	WisdomTree International High Dividend Fund	39.78
AVDV	Avantis International Small Cap Value ETF	40.30
DFE	WisdomTree Europe SmallCap Dividend Fund	40.45
EPP	iShares MSCI Pacific ex-Japan ETF	40.46

<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**

10B
5B
0B
Jun 22 Sep 22 Dec 22 Mar 23 Jun 23

### **Emerging 1-Day Performance Leaders**

Ticker	Fund	
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.16%
ECH	iShares MSCI Chile ETF	0.10%
TUR	iShares MSCI Turkey ETF	0.00%
EWZ	iShares MSCI Brazil ETF	-0.20%
EIDO	iShares MSCI Indonesia ETF	-0.29%
FLIN	Franklin FTSE India ETF	-0.31%
INDA	iShares MSCI India ETF	-0.32%
ILF	iShares Latin America 40 ETF	-0.32%
PIN	Invesco India ETF	-0.32%
FDI	WisdomTree India Farnings Fund	-0.43%

### Emerging Most Overbought

Ticker	Fund	
EWZS	iShares MSCI Brazil Small-Cap ETF	66.61
EPOL	iShares MSCI Poland ETF	62.04
EWZ	iShares MSCI Brazil ETF	61.38
QAT	iShares MSCI Qatar ETF	61.13
FLBR	Franklin FTSE Brazil ETF	60.95
ECH	iShares MSCI Chile ETF	59.30
FRDM	Freedom 100 Emerging Markets ETF	58.49
SMIN	iShares MSCI India Small Cap ETF	57.84
NFTY	First Trust India NIFTY 50 Equal Weight ETF	57.76
FLTW	Franklin FTSE Taiwan ETF	56.25

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**Emerging 1-Day Performance Laggards** 

Ticker	Fund	
FXI	iShares China Large-Cap ETF	-3.03%
FLCH	Franklin FTSE China ETF	-2.77%
MCHI	iShares MSCI China ETF	-2.75%
PGJ	Invesco Golden Dragon China ETF	-2.47%
GXC	SPDR S&P China ETF	-2.44%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-2.29%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-1.99%
ECNS	iShares MSCI China Small-Cap ETF	-1.95%
EEMA	iShares MSCI Emerging Markets Asia ETF	-1.94%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-1.93%

### Emerging Most Oversold

Ticker	Fund	
EWM	iShares MSCI Malaysia ETF	25.19
FEM	First Trust Emerging Markets AlphaDEX Fund	30.28
ECNS	iShares MSCI China Small-Cap ETF	31.45
RAYC	Rayliant Quantamental China Equity ETF	33.43
EZA	iShares MSCI South Africa ETF	33.58
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	33.75
CNYA	iShares MSCI China A ETF	33.79
KWT	iShares MSCI Kuwait ETF	34.25
KBA	KraneShares Bosera MSCI China A 50 Connect Index	34.79
JPEM	J.P. Morgan Diversified Return Emerging Markets E	35.13

<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	0.11%	-0.83%	2.15%
SHY	1-3 Year Treasury Bonds	-0.01%	-0.01%	1.55%
IEF	7-10 Year Treasury Bonds	0.16%	-0.73%	2.79%
TLT	20+ Year Treasury Bonds	0.29%	-2.98%	2.51%
TIP	TIPS Bonds	0.31%	-0.68%	2.52%
FLOT	Floating Rate Bonds	-0.02%	0.62%	2.27%
LQD	Investment Grade Corporate	0.21%	-1.69%	2.63%
HYG	High Yield Corporate	-0.52%	-0.70%	2.70%
BKLN	Senior Loan	-0.15%	-0.17%	3.90%
PFF	Preferred & Income Securities	-0.26%	-3.76%	0.90%
MUB	Municipal Bonds	-0.21%	-1.23%	0.71%
МВВ	MBS	0.03%	-0.69%	1.66%
EMB	Dollar Denominated EM Bonds	0.12%	-0.25%	1.24%
LEMB	Local Currency EM Bond	-0.11%	2.04%	5.36%

### **Commodities Performance**

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.30%	-5.09%	-10.83%
DBE	Energy	0.77%	-4.41%	-12.97%
USO	WTI Crude Oil	1.50%	-4.90%	-7.47%
BNO	Brent Crude Oil	1.41%	-5.09%	-8.35%
UNG	Natural Gas	-1.71%	-1.71%	-51.21%
UGA	Gasoline	0.85%	2.07%	1.23%
DBP	Precious Metals	-0.07%	-1.70%	5.70%
GLD	Gold	0.12%	-0.45%	8.13%
SLV	Silver	-0.74%	-6.40%	-2.32%
PPLT	abrdn Physical Platin	-1.43%	-6.17%	-1.79%
PALL	abrdn Physical Palla	-2.33%	-9.40%	-18.66%
DBB	Base Metals	-1.87%	-8.90%	-8.38%
CPER	Copper	-1.10%	-8.31%	-2.99%
LD	Lead	-0.65%	-3.41%	-9.19%
JJN	Nickel	-2.09%	-14.80%	-30.05%
JJU	Aluminum	-1.98%	-7.45%	-8.08%
JJT	Tin	-2.58%	-6.93%	-1.64%
DBA	Agriculture	-0.10%	-0.96%	2.93%
CORN	Corn	1.64%	-5.78%	-14.59%
SOYB	Soybeans	-0.53%	-6.75%	-12.61%
WEAT	Wheat	2.61%	-6.68%	-21.18%
CANE	Sugar	-0.44%	6.60%	43.23%
BAL	Cotton	-1.65%	5.01%	1.71%
NIB	Cocoa	-0.90%	1.06%	21.82%
JO	Coffee	-0.77%	-1.48%	15.20%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.28%	2.23%	2.01%
UDN	Short Dollar	-0.24%	-1.53%	0.92%
FXE	Euro	-0.41%	-1.88%	1.01%
FXB	British Pound Sterling	-0.27%	-0.05%	3.72%
FXF	Swiss Franc	-0.45%	-1.14%	2.33%
FXY	Japanese Yen	-0.01%	-3.24%	-5.50%
FXC	Canadian Dollar	0.00%	0.43%	0.97%
FXA	Australian Dollar	-0.60%	-1.06%	-2.61%

<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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