

DAILY MARKET UPDATE

Top News¹

- + The Fed must decide whether to raise rates in light of a banking crisis or stand pat despite high inflation.
- + Japanese Prime Minister, visiting Kyiv, offered strong support to the Ukraine
- + Swiss authorities froze deferred bonus payments to Credit Suisse bankers.

WisdomTree Views and Insights on the market's evolutions can be found [here](#).

WisdomTree also publishes short market news on its Short & Leveraged ETP Centre [here](#).

Daily Returns Heatmap

WORLD EQUITIES

MSCI World	MSCI EM	
1.3%	1.0%	
S&P 500	Dow Jones	Nasdaq 100
1.3%	1.0%	1.4%
Euro Stoxx 50	FTSE 100	DAX
1.5%	1.8%	1.8%
CAC 40	FTSE MIB	IBEX 35
1.4%	2.5%	2.4%
Nikkei	Hang Seng	CSI 300
n.a.	1.4%	1.1%

WORLD EQUITY FACTORS

Quality	Momentum	Min Vol
0.9%	1.2%	0.0%
Value	High Div	Size
1.1%	0.5%	1.5%

COMMODITIES

BCOM	3M Fwd	Roll Select
0.1%	0.2%	0.1%
Optim Roll-WT	UBS CMCI	
0.1%	0.3%	

PRECIOUS METALS

Gold	Physical Gold	Platinum
-2.1%	-0.9%	-1.6%
Silver	Physical Silver	Palladium
-1.0%	-0.1%	-1.2%

INDUSTRIAL METALS

Aluminium	Copper	Lead
-0.4%	1.1%	-1.0%
Nickel	Tin	Zinc
-1.2%	1.4%	-0.7%

DIGITAL ASSETS

Bitcoin	Ethereum
0.2%	2.4%

FIXED INCOME

EUR Gov.	US Gov.	UK Gilt
-1.0%	-0.6%	-0.8%
EUR IG Corp.	USD IG Corp.	UK IG Corp
0.0%	0.1%	0.4%
EUR HY	USD HY	
0.9%	0.5%	
CoCos		
4.2%		

CURRENCIES

DXY	USD/EUR	USD/JPY
0.0%	-0.4%	0.9%
EUR/USD	EUR/GBP	EUR/JPY
0.4%	0.9%	1.3%
GBP/USD	GBP/EUR	
-0.5%	-0.9%	
CHF/USD	CHF/EUR	
0.7%	0.3%	

ENERGY

Brent Oil	WTI Oil	Natural Gas
1.9%	2.7%	6.6%
Heating Oil	Gasoline	Carbon
0.6%	0.4%	2.2%

AGRICULTURE

Wheat	Corn	Soybeans
-2.5%	-0.5%	-1.3%
Soybean Oil	Cotton	Cocoa
-3.0%	0.8%	1.1%
Coffee	Sugar	
1.0%	1.6%	
Live Cattle	Lean Hogs	
0.4%	-0.6%	

VOLATILITY

VIX	VSTOXX
-2.8	-4.3

The Heatmap Live can be found on WisdomTree Short & Leveraged ETP Center [here](#)

Source: Bloomberg, WisdomTree. All data are as of 21/03/23 unless specified otherwise. Net Total Return Indices are used for equity assets. Total Return Indices are used for Fixed Income. Excess Return Indices are used for commodities. Data about all indices can be found in Page 11 and 12.

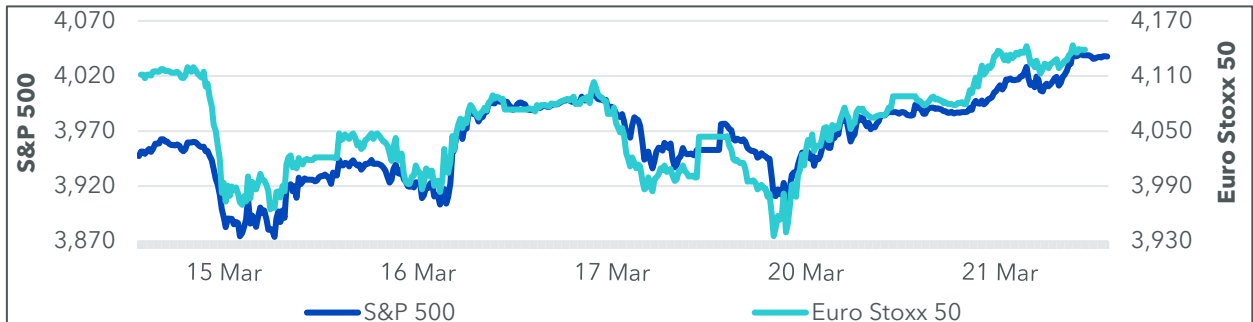
1) Relevant selected headlines news sourced from Bloomberg News. **Historical performance is not an indication of future performance and any investments may go down in value.**

Equity Focus

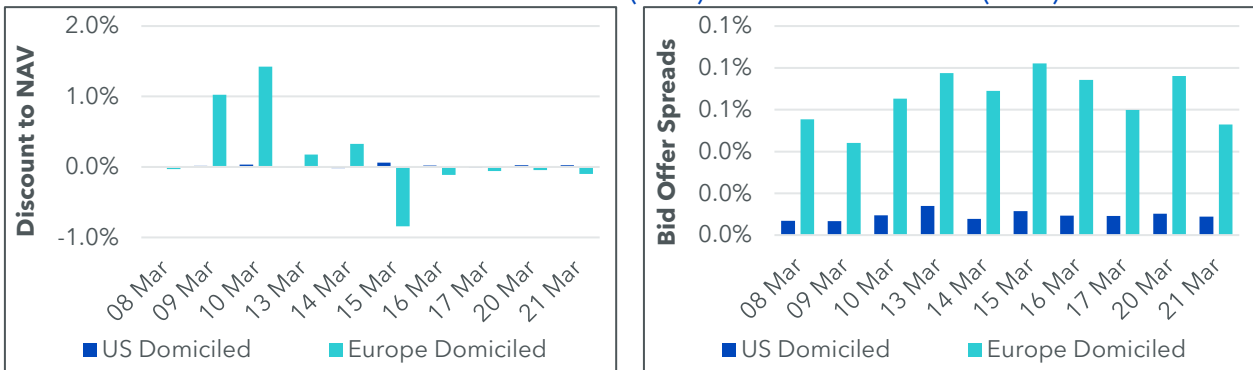
ASSET CLASS OVERVIEW

Index Name	Closing Price	Last 1D	Last 1W	Last 1M	Year to Date	Dividend Yield	Price to Earnings Ratio
MSCI World	2,712	↑ 1.3%	1.4%	-0.9%	4.5%	2.3%	16.1
MSCI EM	952	↑ 1.0%	0.9%	-4.1%	-0.1%	3.2%	11.7
S&P 500	4,003	↑ 1.3%	2.2%	0.3%	4.5%	1.8%	18.2
Dow Jones	32,561	↑ 1.0%	1.3%	-1.5%	-1.4%	2.3%	16.8
Nasdaq 100	12,741	↑ 1.4%	4.5%	5.7%	16.7%	0.9%	24.6
Euro Stoxx 50	4,182	↑ 1.5%	0.1%	-1.6%	10.5%	3.6%	12.3
FTSE 100	7,536	↑ 1.8%	-1.2%	-4.9%	2.1%	4.3%	10.3
DAX	15,195	↑ 1.8%	-0.2%	-1.3%	9.0%	3.5%	11.7
CAC 40	7,113	↑ 1.4%	-0.4%	-2.7%	10.0%	3.3%	12.5
FTSE MIB	26,554	↑ 2.5%	-0.8%	-3.0%	12.5%	5.3%	8.4
IBEX 35	9,049	↑ 2.4%	-1.2%	-2.2%	10.4%	4.6%	10.8
Nikkei	n.a.	n.a.	-1.0%	-1.9%	3.3%	2.2%	16.3
Hang Seng	19,259	↑ 1.4%	0.1%	-5.8%	-2.3%	3.5%	11.9
CSI 300	3,982	↑ 1.1%	-0.1%	-3.9%	2.9%	2.4%	14.1

LAST 5 DAYS PERFORMANCE FOR S&P 500 and EURO STOXX 50 FUTURES¹



LARGE EQUITY ETFS DISCOUNT TO NAV (LHS) AND BID OFFERS (RHS)²



	US Domiciled	Europe Domiciled
Worst Discount since 2020	-0.63%	-5.08%
Historical Average Discount	0.00%	0.08%
Average Bid Offer Spreads in Nov 2019	0.01%	0.04%

EQUITY MARKET RISK SENTIMENT

Volatility Index	Current Level	Δ1D	Δ1W	Δ1M	Δyear to Date	Average Last 10Y
VIX	21.4	↓ -2.8	↓ -2.4	↓ -1.5	↓ -0.3	18.0
VSTOXX	24.1	↓ -4.3	↑ 1.4	↑ 3.2	↑ 3.2	20.7

Source: Bloomberg, WisdomTree. All data are as of 21 March 2023 and using price return indices unless specified otherwise. Last 1D, Last 1W, Last 1M and Year to Date performance is calculated on net Total Return Index. Data about all indices can be found in Page 11 and 12.

1) Intraday levels of the relevant Future for the indices as indicated in Page 11. 2) The 5 largest equity ETFs in the US and in Europe are used.

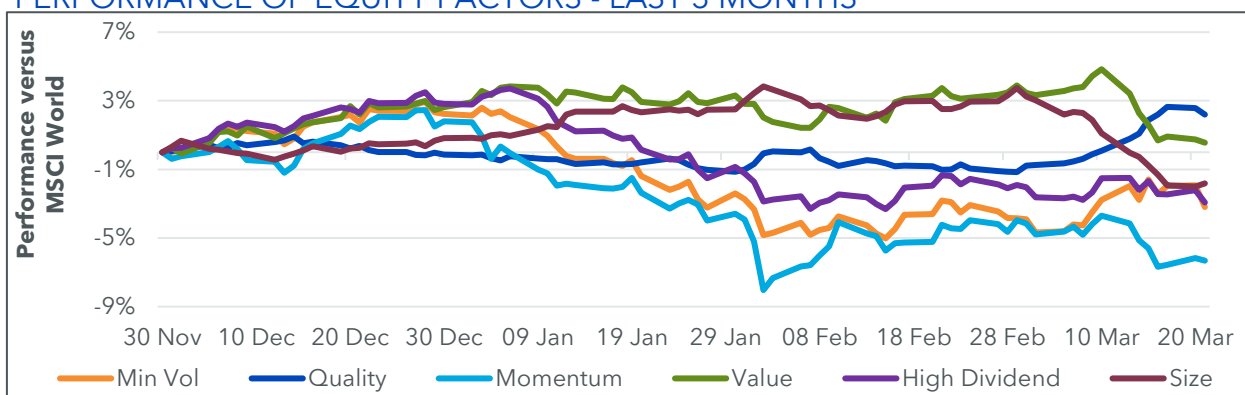
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Equity Factors Focus

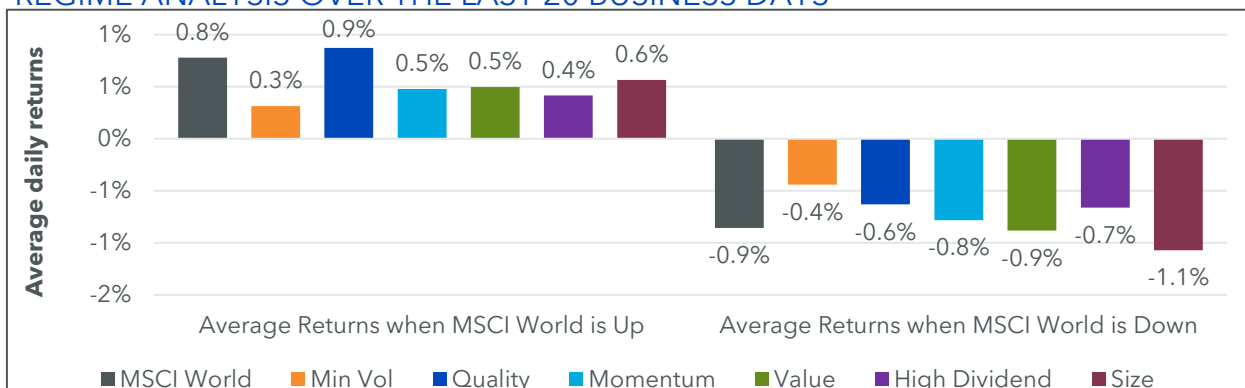
ASSET CLASS OVERVIEW

Index Name	Closing Price	Last 1D	Last 1W	Last 1M	Year to Date	Dividend Yield	Price to Earnings Ratio
MSCI World	2,712	↑ 1.3%	1.4%	-0.9%	4.5%	2.3%	16.1
Quality	2,858	↑ 0.9%	2.5%	2.4%	7.0%	1.8%	20.0
Momentum	2,663	↑ 1.2%	0.3%	-3.1%	-3.9%	2.8%	12.3
Min Vol	2,581	↓ -0.0%	1.0%	-1.3%	-1.1%	2.8%	17.1
Value	1,096	↑ 1.1%	-0.3%	-3.9%	2.3%	4.2%	9.1
High Div	1,313	↑ 0.5%	0.7%	-2.5%	-1.4%	3.9%	13.1
Size	472	↑ 1.5%	-0.1%	-5.0%	1.8%	3.0%	15.6

PERFORMANCE OF EQUITY FACTORS - LAST 3 MONTHS



REGIME ANALYSIS OVER THE LAST 20 BUSINESS DAYS



Find out more about Modern Alpha with WisdomTree [here](#).

Source: Bloomberg, WisdomTree. All data are as of 21 March 2023 and using price return indices unless specified otherwise. Last 1D, Last 1W, Last 1M and Year to Date performance is calculated on net Total Return Index. Data about all indices can be found in Page 11 and 12.

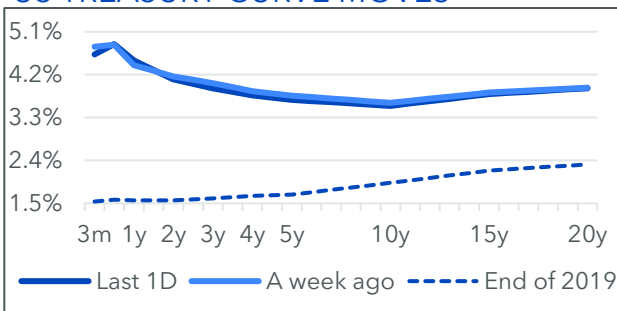
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Fixed Income Focus

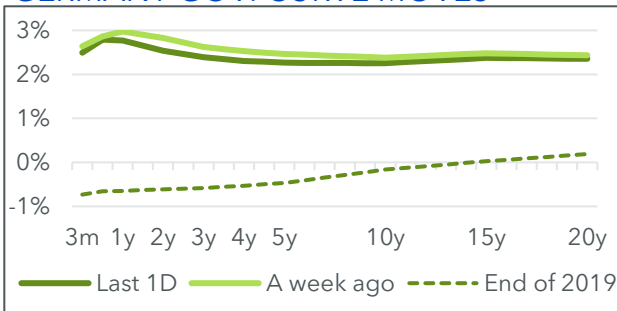
ASSET CLASS OVERVIEW

Index Name	Last 1D	Last 1W	Last 1M	Year to Date	Yield to Worst	Modified Duration
EUR Government Bond	↓ -1.0%	1.4%	1.9%	2.6%	3.0%	7.5
US Treasury	↓ -0.6%	0.4%	2.3%	2.2%	4.0%	6.4
UK Gilt	↓ -0.8%	1.5%	3.3%	4.3%	3.5%	10.0
EUR Corporates (IG)	↑ 0.0%	0.7%	0.1%	1.4%	4.3%	0.0
USD Corporates (IG)	↑ 0.1%	0.8%	1.7%	2.2%	5.4%	7.4
GBP Corporates (IG)	↑ 0.4%	0.6%	0.7%	3.0%	5.5%	6.8
EUR High Yield Bonds	↑ 0.9%	-0.5%	-1.5%	1.9%	8.1%	3.4
USD High Yield Bonds	↑ 0.5%	-0.0%	0.5%	1.8%	8.9%	4.3
Global CoCos	↑ 4.2%	-8.6%	-11.6%	-9.1%	11.9%	3.4

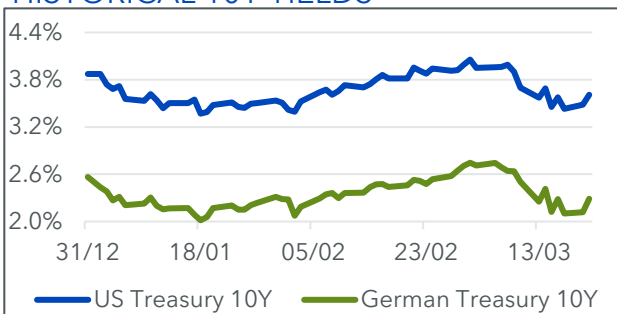
US TREASURY CURVE MOVES



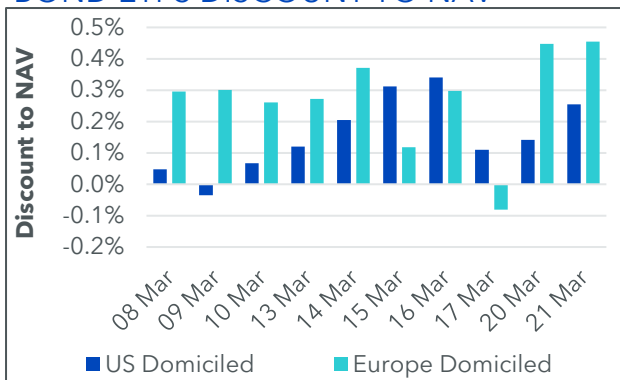
GERMANY GOV. CURVE MOVES



HISTORICAL 10Y YIELDS

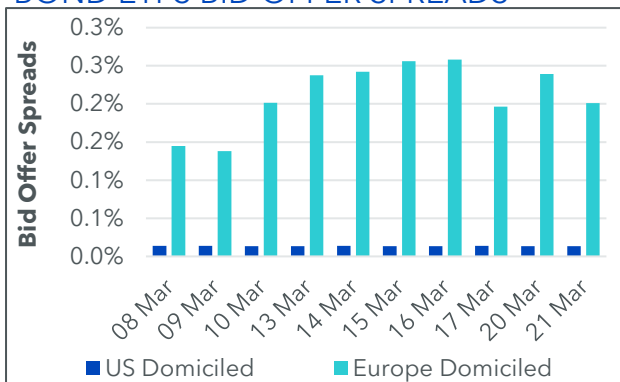


BOND ETPS DISCOUNT TO NAV¹



	US Dom.	Europe Dom.
2020 Worst Discount	-4.35%	-6.26%
Hist. Average Discount	0.21%	0.32%

BOND ETPS BID OFFER SPREADS¹



	US Dom.	Europe Dom.
Avg. Bid Offers - Nov19	0.01%	0.13%

FIXED INCOME MARKET RISK SENTIMENT

5Y Credit Spread (bps)	Current Level	Δ1D	Δ1W	Δ1M	Δyear to Date	Average Last 5Y
iTraxx Crossover	471.6	↓ -28.6	↑ 13.8	↑ 46.9	↓ -2.5	330.4
CDX High Yield	490.2	↓ -40.5	↓ -19.6	↑ 23.2	↑ 6.2	382.1

Source: Bloomberg, WisdomTree. All data are as of 21 March 2023 and using total return indices unless specified otherwise. Data about all indices can be found in Page 11 and 12.1) The 5 largest fixed income ETFs in the US and in Europe are used.

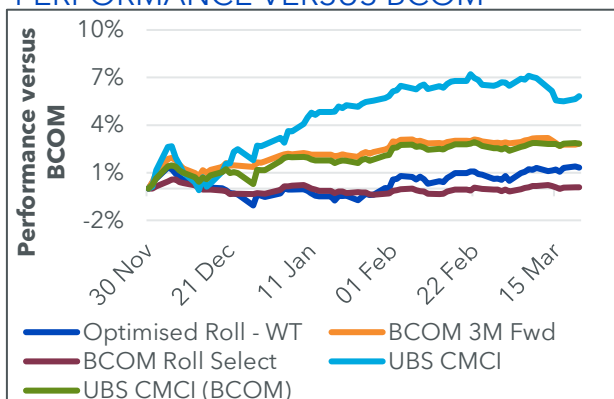
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■ Broad Commodity Focus

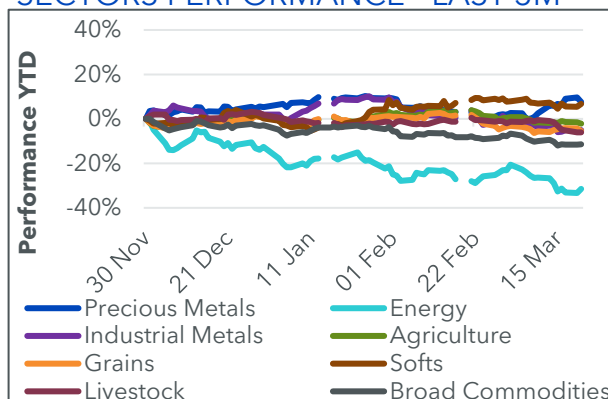
ASSET CLASS OVERVIEW

Index Name	Last 1D	Last 1W	Last 1M	Year to Date (YTD)
Broad Commodities	↑ 0.1%	-1.4%	-4.1%	-9.0%
BCOM 3M Fwd	↑ 0.2%	-1.6%	-4.1%	-7.7%
BCOM Roll Select	↑ 0.1%	-1.5%	-3.8%	-8.6%
Optimised Roll - WT	↑ 0.1%	-1.2%	-3.7%	-7.1%
UBS Bloomberg CMCI	↑ 0.3%	-1.7%	-5.1%	-5.6%
UBS CMCI (BCOM)	↑ 0.1%	-1.4%	-3.9%	-7.1%
Precious Metals	↓ -1.8%	1.6%	4.5%	2.2%
Energy	↑ 2.8%	-3.7%	-4.8%	-21.6%
Industrial Metals	↓ -0.1%	-1.7%	-8.5%	-6.8%
Agriculture	↓ -0.7%	-0.6%	-5.8%	-3.4%
Grains	↓ -1.2%	-0.5%	-7.1%	-6.9%
Softs	↑ 1.2%	0.5%	-1.6%	6.4%
Livestock	↑ 0.0%	-4.6%	-6.5%	-7.7%

PERFORMANCE VERSUS BCOM

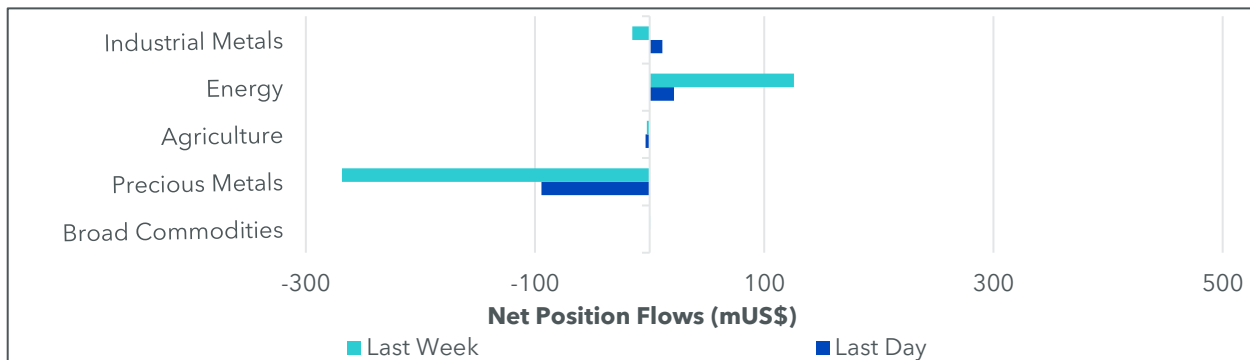


SECTORS PERFORMANCE - LAST 3M



RECENT NET POSITION FLOWS IN WISDOMTREE COMMODITY ETPs¹

mUS\$ as of 21/03/2023	Broad Commodities	Precious Metals	Energy	Industrial Metals	Agriculture
Last Day	0	-94	21	11	-3
Last Week	0	-268	126	-15	-3
Last 4 Weeks	20	-80	536	172	19
Year to Date	138	-272	2030	1160	-43
Baseline AUM (Dec)	981	12,314	3,051	1,975	751



Find out more about Commodities with WisdomTree [here](#).

Source: Bloomberg, WisdomTree. All data are as of 21 March 2023 and using excess return indices unless specified otherwise. YTD Stands for Year to Date. BCOM Stands for the Bloomberg Commodity Index. Data about all other indices can be found in Page 11 and 12.

1) As of Net Position Flows and Net Position AUM are calculated by multiplying the AUM/Flow in a given ETP by the leverage of that ETP.

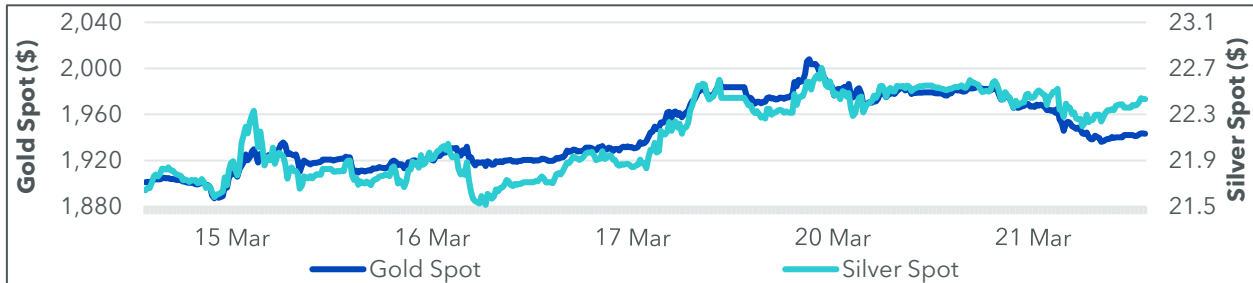
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Precious Metals Focus

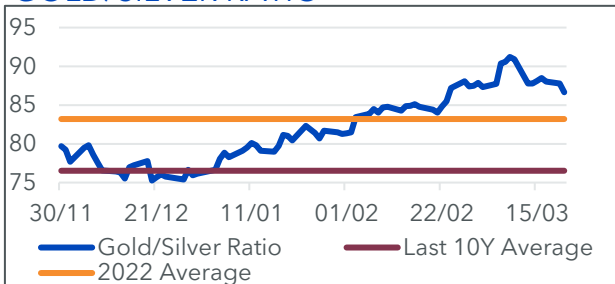
ASSET CLASS OVERVIEW⁴

Index Name	Closing Price	Last 1D	Last 1W	Last 1M	Year to Date	Current Positioning	Positioning 2022 Avg.
Gold	1,941	↓ -2.1%	1.6%	5.3%	5.3%	154,554	170,547
Physical Gold	1,953	↓ -0.9%	2.4%	6.3%	7.6%	154,554	170,547
Silver	22.3	↓ -1.0%	1.7%	1.8%	-7.5%	-352	18,344
Physical Silver	22.5	↓ -0.1%	3.8%	3.2%	-6.2%	-352	18,344
Palladium	1,369	↓ -1.2%	-8.9%	-9.4%	-23.9%	-6,414	-2,114
Platinum	977	↓ -1.6%	-2.0%	3.0%	-9.8%	10,561	8,557

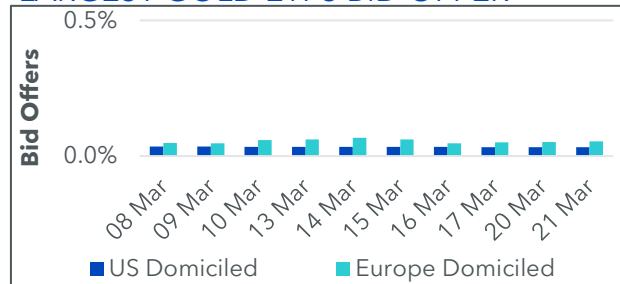
LAST 5 DAYS PERFORMANCE FOR GOLD AND SILVER SPOTS¹



GOLD/SILVER RATIO

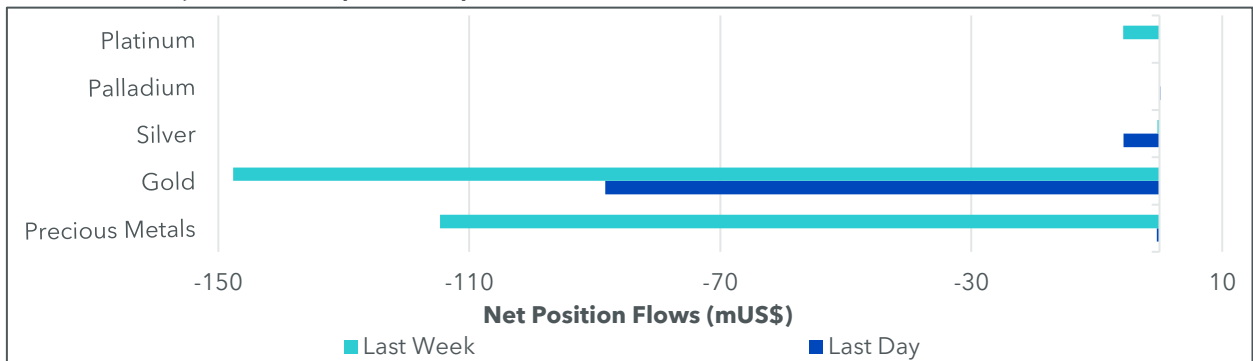


LARGEST GOLD ETFS BID OFFER²



RECENT POSITION FLOWS IN WISDOMTREE PRECIOUS METALS ETFS³

mUS\$ as of 21/03/2023	Gold	Silver	Palladium	Platinum	Precious Metals
Last Day	-88.3	-5.7	0.1	0.0	-0.4
Last Week	-147.6	-0.3	0.0	-5.8	-114.7
Last 4 Weeks	16.6	36.9	-0.6	-12.7	-119.7
Year to Date	-310.3	25.7	21.7	-10.1	1.4
Baseline AUM (Dec)	9,690	1,752	176	499	198



WisdomTree Views and Insights on Gold can be found [here](#).

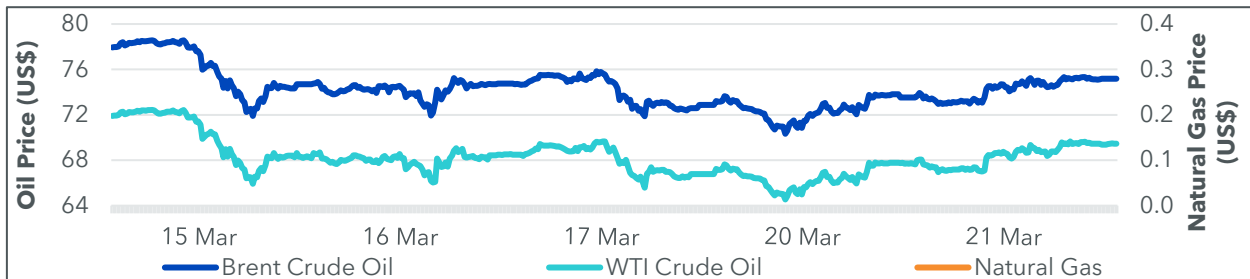
Source: Bloomberg, WisdomTree. All data are as of 21 March 2023. CFTC Futures net positionings are as at 14 March 2023. 4) Performances are calculated on the index listed in pages 11&12. Closing Prices are of the Front Month Future in USD. For physical commodity the Index level is Data about all indices can be found in Page 11&12. 1) Intraday levels of Gold and Silver Spots in US\$, see Page 11. 2) Bid Offer are calculated on 5 Large Gold ETFS 3) Net Position Flows and Net Position AUM are calculated by multiplying the AUM/Flow in a given ETP by the leverage of that ETP. **Historical performance is not an indication of future performance and any investments may go down in value.**

Energy Focus

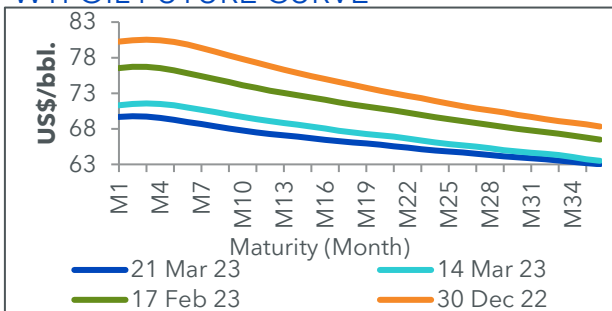
ASSET CLASS OVERVIEW³

Index Name	Closing Price	Last 1D	Last 1W	Last 1M	Year to Date	Current Positioning	Positioning 2022 Avg.
Brent Oil	75.3	↑ 1.9%	-2.4%	-8.5%	-11.9%	21,585	66,099
WTI Oil	69.7	↑ 2.7%	-2.5%	-9.0%	-13.8%	211,608	342,921
Natural Gas	2.3	↑ 6.6%	-7.6%	7.2%	-45.0%	-149,272	-136,473
Heating Oil	269.0	↑ 0.6%	-2.0%	-5.9%	-16.4%	14,722	10,495
Gasoline	253.9	↑ 0.4%	-1.2%	-4.1%	-5.7%	52,106	46,806
Carbon	86.9	↑ 2.2%	-3.2%	-10.6%	6.9%	n.a.	14,108

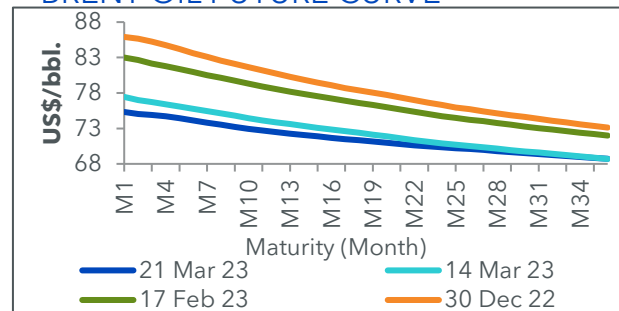
LAST 5 DAYS PERFORMANCE FOR ENERGY FUTURES¹



WTI OIL FUTURE CURVE¹

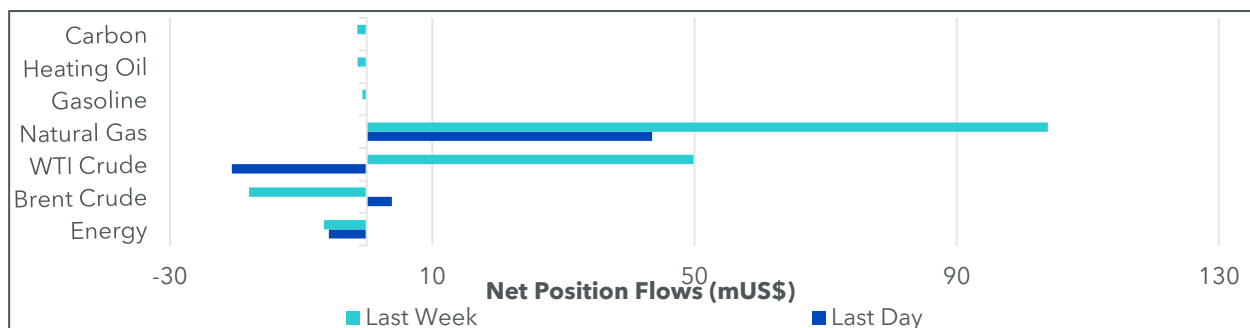


BRENT OIL FUTURE CURVE¹



RECENT POSITION FLOWS IN WISDOMTREE ENERGY ETPs²

mUS\$ as of 21/03/2023	Brent Crude	WTI Crude	Heating Oil	Gasoline	Natural Gas	Energy	Carbon
Last Day	3.9	-20.6	0.0	0.0	43.6	-5.7	0.0
Last Week	-17.9	49.9	-1.4	-0.6	103.9	-6.5	-1.4
Last 4 Weeks	323.4	152.8	-1.1	-1.3	93.2	-7.6	-23.0
Year to Date	1233.8	164.9	1.0	-0.1	689.0	0.0	-58.9
Baseline AUM (Dec)	1,436	1,131	7	6	67	82	322



Find out more about Energy Commodities with WisdomTree [here](#).

Source: Bloomberg, WisdomTree. All data are as of 21 March 2023. CFTC Futures and ICE Futures (for Brent Crude Oil) net positionings as at 14 March 2023. 3) All Performances are calculated on excess return indices. Prices are those of the Front Month Future in USD. EUR for Carbon. Data about all indices can be found in Page 11 and 12. 1) The Ticker of the future used for these graphs can be found in page 11&12. 2) Net Position Flows and Net Position AUM are calculated by multiplying the AUM/Flow in a given ETP by the leverage of that ETP. **Historical performance is not an indication of future performance and any investments may go down in value.**

Crude Oil Focus

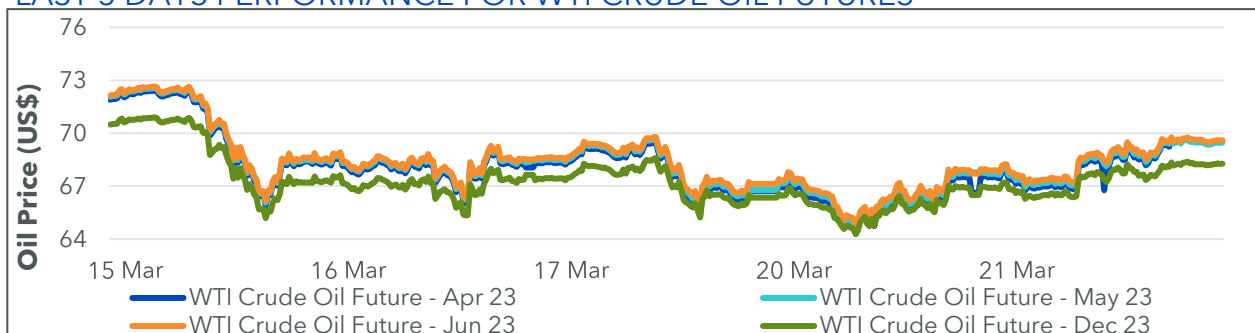
WTI Crude Oil Future Focus

WTI Crude Oil Contract	Closing Price	Last 1D	Last 1W	Last 1M	Year to Date	Open Interest	Open Interest Δ1D	Last Trade Date
Apr 23	69.3	↑ 2.5%	-2.8%	-9.2%	-13.9%	1,307	-16,301	21 Mar 23
May 23	69.7	↑ 2.7%	-2.5%	-9.0%	-13.4%	376,183	2,933	20 Apr 23
Jun 23	69.8	↑ 2.6%	-2.5%	-8.9%	-13.0%	238,543	2,323	22 May 23
Jul 23	69.7	↑ 2.5%	-2.5%	-8.7%	-12.7%	191,022	6,676	20 Jun 23
Aug 23	69.5	↑ 2.4%	-2.5%	-8.6%	-12.4%	76,065	-1,410	20 Jul 23
Sep 23	69.3	↑ 2.3%	-2.5%	-8.5%	-12.2%	126,943	5,496	22 Aug 23
Dec 23	68.3	↑ 1.9%	-2.4%	-8.3%	-11.6%	217,107	-145	20 Nov 23
Dec 24	65.8	↑ 1.1%	-1.7%	-6.9%	-9.0%	80,580	-570	20 Nov 24
Dec 25	63.7	↑ 0.6%	-0.9%	-5.5%	-7.1%	33,046	333	20 Nov 25

Brent Crude Oil Future Focus

Brent Crude Oil Contract	Closing Price	Last 1D	Last 1W	Last 1M	Year to Date	Open Interest ¹	Open Interest Δ1D ¹	Last Trade Date
May 23	75.3	↑ 2.1%	-2.8%	-9.0%	-11.7%	269,837	-23,342	31 Mar 23
Jun 23	75.0	↑ 2.0%	-2.6%	-8.8%	-11.5%	529,517	7,255	28 Apr 23
Jul 23	74.9	↑ 1.9%	-2.4%	-8.5%	-11.0%	278,551	6,999	31 May 23
Aug 23	74.7	↑ 1.9%	-2.2%	-8.3%	-10.7%	137,823	2,088	30 Jun 23
Sep 23	74.4	↑ 1.8%	-2.2%	-8.2%	-10.4%	141,909	160	31 Jul 23
Oct 23	74.1	↑ 1.7%	-2.2%	-8.1%	-10.2%	79,876	-310	31 Aug 23
Dec 23	73.5	↑ 1.5%	-2.1%	-8.0%	-10.0%	216,860	-1,079	31 Oct 23
Dec 24	71.0	↑ 0.8%	-1.2%	-6.5%	-7.8%	101,844	2,173	31 Oct 24
Dec 25	69.3	↑ 0.3%	-0.2%	-5.0%	-5.9%	47,134	1,471	31 Oct 25

LAST 5 DAYS PERFORMANCE FOR WTI CRUDE OIL FUTURES



LAST 5 DAYS PERFORMANCE FOR BRENT CRUDE OIL FUTURES



Find out more about Energy Commodities with WisdomTree [here](#).

Source: Bloomberg, WisdomTree. All data are as of 21 March 2023. Future Prices are in USD. The Futures contract used in this page are as follows: For WTI, Apr 23: CLJ3, May 23: CLK3, Jun 23: CLM3, Jul 23: CLN3, Aug 23: CLQ3, Sep 23: CLU3, Dec 23: CLZ3, Dec 24: CLZ4, Dec 25: CLZ5.

For Brent, May 23: COK3, Jun 23: COM3, Jul 23: CON3, Aug 23: COQ3, Sep 23: COU3, Oct 23: COV3, Dec 23: COZ3, Dec 24: COZ4, Dec 25: COZ5.

1) As of 21 March 2023.

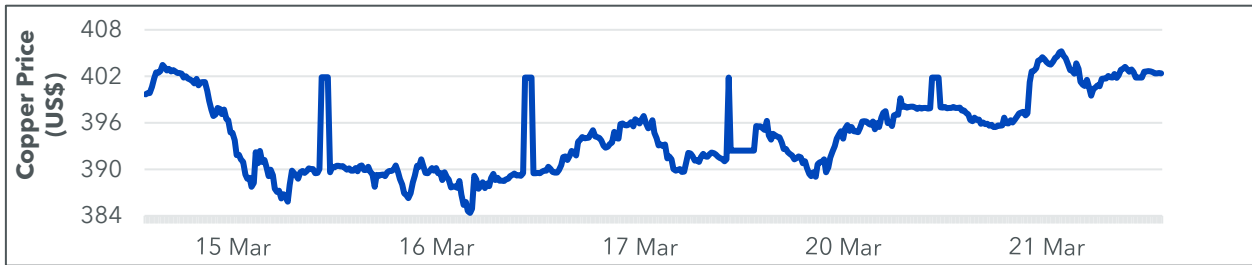
Historical performance is not an indication of future performance and any investments may go down in value.

Industrial Metals Focus

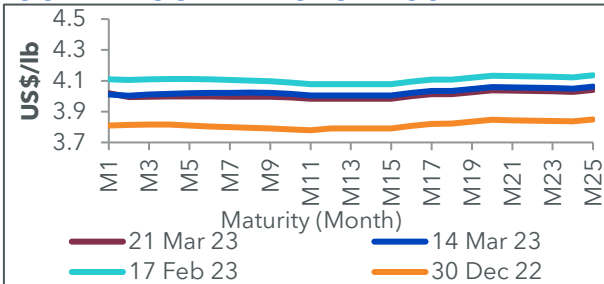
ASSET CLASS OVERVIEW³

Index Name	Closing Price	Last 1D	Last 1W	Last 1M	Year to Date	Current Positioning	Positioning 2022 Avg.
Aluminum	2,233	↓ -0.4%	-3.9%	-8.8%	-6.3%	138,464	81,327
Copper	402	↑ 1.1%	-0.2%	-5.2%	4.5%	33,753	21,086
Lead	2,095	↓ -1.0%	0.5%	-2.3%	-9.8%	48,917	38,910
Nickel	22,359	↓ -1.2%	-2.3%	-17.2%	-25.7%	20,663	17,960
Tin	22,989	↑ 1.4%	0.5%	-16.4%	-7.6%	7,845	6,366
Zinc	2,878	↓ -0.7%	-1.4%	-8.5%	-3.3%	31,119	-5,765

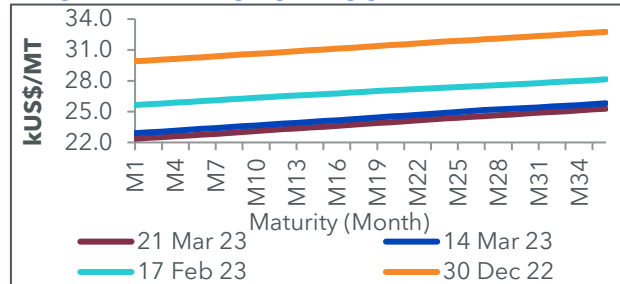
LAST 5 DAYS PERFORMANCE FOR COPPER¹



COPPER COMEX FUTURE CURVE¹

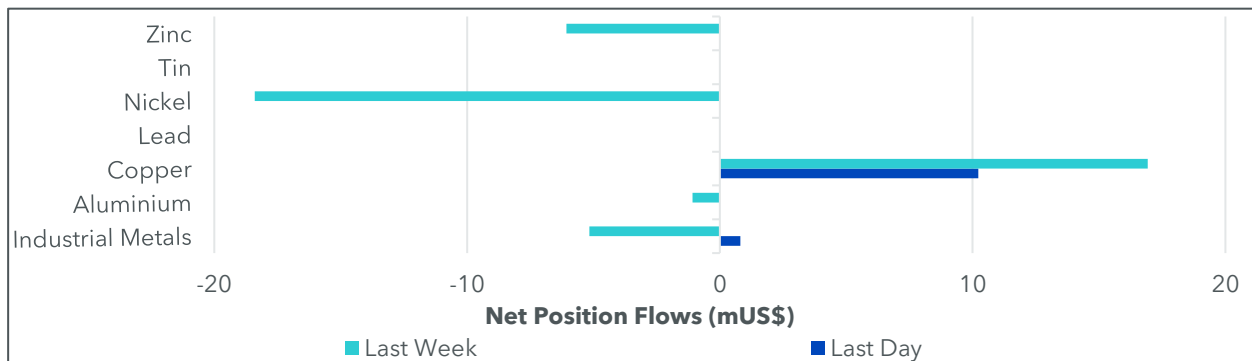


NICKEL LME FUTURE CURVE¹



RECENT POSITION FLOWS IN WISDOMTREE INDUSTRIAL METAL ETPs²

mUS\$ as of 21/03/2023	Copper	Nickel	Lead	Tin	Zinc	Aluminium	Industrial Metals
Last Day	10.2	0.0	0.0	0.0	0.0	0.0	0.8
Last Week	16.9	-18.4	0.0	0.0	-6.1	-1.1	-5.2
Last 4 Weeks	224.9	1.1	0.0	-0.8	-1.0	2.8	-32.1
Year to Date	1132.6	5.9	0.0	0.1	-1.7	34.1	48.0
Baseline AUM (Dec)	548	218	2	7	1	153	724



Find out more about Industrial Metals with WisdomTree [here](#).

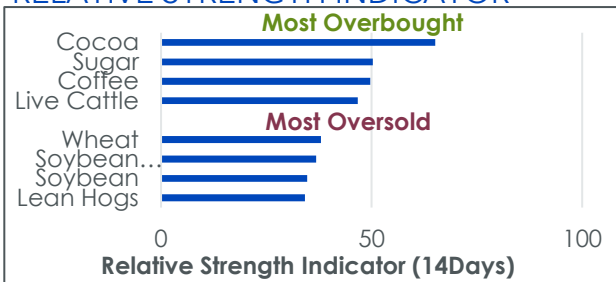
Source: Bloomberg, WisdomTree. All data are as of 21 March 2023. CFTC Futures and LME COTR net positionings as at 14 March 2023 and 17 March 2023 respectively. 3) All Performances are calculated on excess return indices. Closing Price are those of the Front Month Future in USD. Data about all indices can be found in Page 11 and 12. 1) The Ticker of the future used for these graphs can be found in page 11&12. 2) Net Position Flows and Net Position AUM are calculated by multiplying the AUM/Flow in a given ETP by the leverage of that ETP. **Historical performance is not an indication of future performance and any investments may go down in value.**

■ Agriculture Focus

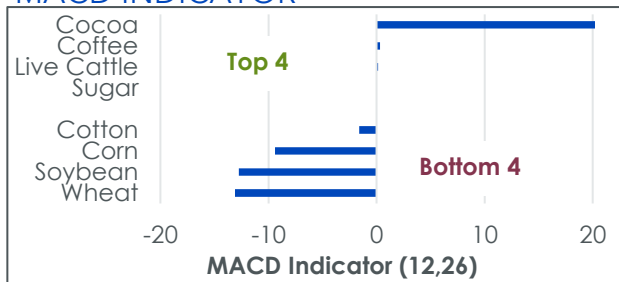
ASSET CLASS OVERVIEW²

Index Name	Closing Price	Last 1D	Last 1W	Last 1M	Year to Date	Current Positioning	Positioning 2022 Avg.
Wheat	683	↓ -2.5%	-1.9%	-10.4%	-14.9%	-71,852	-1,669
Corn	630	↓ -0.5%	1.5%	-7.4%	-6.9%	1,846	331,859
Soybean	1,467	↓ -1.3%	-1.8%	-5.0%	-3.3%	145,625	130,325
Soybean Oil	56.2	↓ -3.0%	0.1%	-10.7%	-12.4%	-2,523	67,744
Cotton	77.9	↑ 0.8%	-4.3%	-4.5%	-7.1%	-3,771	59,145
Cocoa	2,817	↑ 1.1%	6.0%	1.3%	6.8%	22,638	3,331
Coffee	180	↑ 1.0%	2.8%	-5.0%	7.8%	10,174	32,720
Sugar	20.8	↑ 1.6%	0.6%	4.4%	11.1%	216,088	127,690
Live Cattle	162	↑ 0.4%	-1.0%	-2.3%	-0.1%	116,125	69,757
Lean Hogs	77.1	↓ -0.6%	-10.1%	-13.0%	-20.8%	54	49,282

RELATIVE STRENGTH INDICATOR



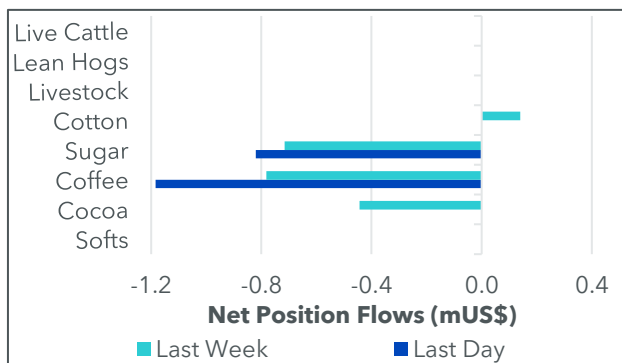
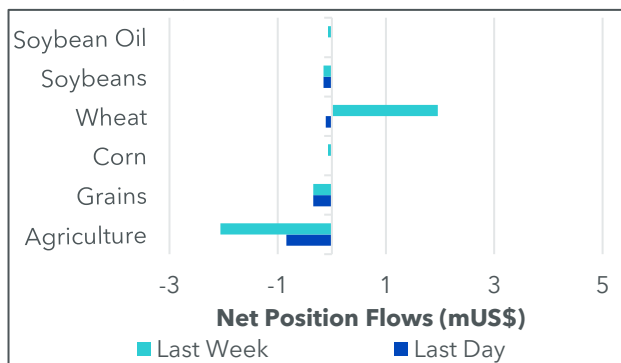
MACD INDICATOR



RECENT POSITION FLOWS IN WISDOMTREE AGRICULTURE ETPs¹

mUS\$ as of 21/03/2023	Agriculture	Softs	Cocoa	Coffee	Cotton	Sugar
Last Day	-0.8	0.0	0.0	-1.2	0.0	-0.8
Last Week	-2.1	0.0	-0.4	-0.8	0.1	-0.7
Last 4 Weeks	19.5	0.0	-3.0	-5.2	0.1	-4.0
Year to Date	-15.5	0.0	-13.1	-20.4	-0.3	-6.7
Baseline AUM (Dec)	331	3	35	80	6	30

mUS\$ as of 21/03/2023	Grains	Wheat	Corn	Soybean	Lean Hogs	Live Cattle	Livestock
Last Day	-0.3	-0.1	0.0	-0.2	0.0	0.0	0.0
Last Week	-0.3	2.0	-0.1	-0.2	0.0	0.0	0.0
Last 4 Weeks	-0.5	11.9	-0.5	2.4	0.2	0.0	-1.5
Year to Date	-4.1	21.4	-4.5	0.7	0.3	0.0	-1.5
Baseline AUM (Dec)	32	164	38	18	5	2	3



Find out more about Softs and Grains Futures with WisdomTree [here](#).

Source: Bloomberg, WisdomTree. All data are as of 21 March 2023. CFTC net positionings as at 14 March 2023. 1) Net Position Flows and Net Position AUM are calculated by multiplying the AUM/Flow in a given ETP by the leverage of that ETP. 2) All Performances are calculated on excess return indices. Closing Price are those of the Front Month Future in USD. Data about all indices can be found in Page 11 and 12. MACD stands for Moving Average Convergence Divergence. **Historical performance is not an indication of future performance and any investments may go down in value.**

Appendix

INDEX MAP (1/2)

Handle	Index Name	Price Return Index Ticker	Total Return Index Ticker	Excess Return Index Ticker	Future Ticker
MSCI World	MSCI World Index	MXWO	NDDUWI Index		
MSCI EM	MSCI Emerging Markets Index	MXEF	NDUEEGF Index		
S&P 500	S&P 500 Index	SPX	SPTR500N Index		ES
Dow Jones	Dow Jones Industrial Average Index	INDU	DJINR Index		
Nasdaq 100	NASDAQ 100 Stock Index	NDX	XNDXNNR Index		
Euro Stoxx 50	EURO STOXX 50 Index	SX5E	SX5T Index		VG
FTSE 100	FTSE 100 Index	UKX	UKXNUK Index		
DAX	DAX Index	DAX	DAXNR Index		
CAC 40	CAC 40 Index	CAC	NCAC Index		
FTSE MIB	FTSE MIB Index	FTSEMIB	FTSEMIBN Index		
IBEX 35	IBEX 35 Index	IBEX	IBEXNR Index		
Nikkei	Nikkei 225	NKY	NKYNTR Index		
Hang Seng	Hong Kong Hang Seng Index	HSI	HSI1N Index		
CSI 300	Shanghai Shenzhen CSI 300 Index	SHSZ300	CSIN0300 Index		
Quality	MSCI World Quality Index	MXWOQU	M1WOQU		
Momentum	MSCI World Momentum Index	MXWOMOM	M1WOMOM		
Min Vol	MSCI World Minimum Volatility Index	MXWOMVOL	M00IWO\$O		
Value	MSCI World Enhanced Value Index	MXWOEV	M1WOEV		
High Div	MSCI World High Dividend Yield Index	MXWDHVD	M1WDHVD		
Size	MSCI World Small Cap Index	MXWOSC	NCUDWI		
EUR Gov.	Bloomberg Barclays EuroAgg Treasury Index		LEATTREU		
US Gov.	Bloomberg Barclays US Treasury		LUATTRUU		
UK Gilt	Bloomberg Barclays Sterling Gilts Index		LSG1TRUU		
EUR IG Corp.	Bloomberg Barclays Euro Aggregate Corporate Index		LECP TREU		
USD IG Corp.	Bloomberg Barclays US Corporate Index		LUACTRUU		
UK IG Corp	Bloomberg Barclays Sterling Corporate Index		LC61TRGU		
EUR HY/EUR High Yield	Bloomberg Barclays Pan-European High Yield (Euro) Index		LP02TREU		
USD HY/USD High Yield	Bloomberg Barclays US Corporate High Yield Index		LF98TRUU		
CoCos/Global Cocos	iBoxx Contingent Convertible Liquid Developed Europe AT1		IBXXCCL1		
BCOM	Bloomberg Commodity Index			BCOM	
3M Fwd	Bloomberg Commodity Index 3 Month Forward			BCOMF3	
Roll Select	Bloomberg Roll Select Commodity Index			BCOMRS	
Optim Roll-WT	Optimized Roll Commodity Index Index			EBCIWTE	
UBS CMCI	UBS Bloomberg CMCI Composite Index			CMCIER	
UBS CMCI (BCOM)	UBS Bloomberg BCOM Constant CMCI Composite Index			CMDJCIER	
Gold	Bloomberg Gold Subindex			BCOMGC	GC
Physical Gold	LBMA Gold Price PM USD			GOLDLNPM	
Platinum	BCOM Palladium Subindex			BCOMPL	PL
Silver	Bloomberg Silver Subindex			BCOMSI	SI
Physical Silver	LBMA Silver Price - Price/USD			SLVRLND	
Palladium	Bloomberg Palladium Subindex			BCOMPA	PA
Brent Oil	Bloomberg Brent Crude Subindex			BCOMCO	CO
WTI Oil	Bloomberg WTI Crude Oil Subindex			BCOMCL	CL
Natural Gas	Bloomberg Natural Gas Subindex			BCOMNG	NG
Heating Oil	Bloomberg Heating Oil Subindex			BCOMHO	HO
Gasoline	Bloomberg Unleaded Gasoline Subindex			BCOMRB	XB
Aluminum	Bloomberg Aluminum Subindex			BCOMAL	LA
Carbon	Solactive Carbon Emission Allowances Rolling Futures Index			SOLCARBF	MO

Source: Bloomberg, WisdomTree. As of 21 March 2023

Appendix

INDEX MAP (2/2)

Handle	Index Name	Price Return Index Ticker	Total Return Index Ticker	Excess Return Index Ticker	Future Ticker
Copper	Bloomberg Copper Subindex			BCOMHG	HG
Lead	Bloomberg Nickel Subindex			BCOMPB	LL
Nickel	Bloomberg Nickel Subindex			BCOMNI	LN
Tin	Bloomberg Zinc Subindex			BCOMSN	LT
Zinc	Bloomberg Zinc Subindex			BCOMZS	LX
Wheat	Bloomberg Wheat Subindex			BCOMWH	W
Corn	Bloomberg Corn Subindex			BCOMCN	C
Soybean	Bloomberg Soybeans Subindex			BCOMSY	S
Soybean Oil	Bloomberg Soybean Oil Subindex			BCOMBO	BO
Cotton	Bloomberg Cotton Subindex			BCOMCT	CT
Cocoa	Bloomberg Cocoa Subindex			BCOMCC	CC
Coffee	Bloomberg Coffee Subindex			BCOMKC	KC
Sugar	Bloomberg Sugar Subindex			BCOMSB	SB
Live Cattle	Bloomberg Live Cattle Subindex			BCOMLC	LC
Lean Hogs	Bloomberg Lean Hogs Subindex			BCOMLH	LH
DXY	US Dollar Index Spot Rate	DXY			
EUR/USD	EURUSD Spot Exchange Rate	EURUSD			
EUR/GBP	EURGBP Spot Exchange Rate	EURGBP			
EUR/JPY	EURJPY Spot Exchange Rate	EURJPY			
GBP/USD	GBPUSD Spot Exchange Rate	GBPUSD			
GBP/EUR	GBPEUR Spot Exchange Rate	GBPEUR			
CHF/USD	CHFUSD Spot Exchange Rate	CHFUSD			
CHF/EUR	CHF EUR Spot Exchange Rate	CHF EUR			
USD/EUR	USDEUR Spot Exchange Rate	USDEUR			
USD/JPY	USDJPY Spot Exchange Rate	USDJPY			
Precious Metals	Bloomberg Precious Metal Subindex			BCOMPR	
Energy	Bloomberg Energy Subindex			BCOMEN	
Industrial Metals	Bloomberg Industrial Metals Subindex			BCOMIN	
Agriculture	Bloomberg Agriculture Subindex			BCOMAG	
Grains	Bloomberg Grains Subindex			BCOMGR	
Softs	Bloomberg Softs Subindex			BCOMSO	
Livestock	Bloomberg Livestock Subindex			BCOMLI	
VIX	CBoe Volatility Index	VIX			
VSTOXX	EURO STOXX 50 Volatility Index	V2X			
CDX High Yield	Markit CDS North America High Yield	CDX HY CDSI GEN 5Y SPRD			
iTraxx Crossover	Markit iTraxx Europe Crossover Index	ITRX XOVER CDSI GEN 5Y			
Bitcoin	CME CF Bitcoin Reference Rate	BRR			
Ethereum	CME CF Ether Reference Rate	ETHUSDRR			
Gold Spot	Gold US Dollar Spot	XAU			
Silver Spot	Silver US Dollar Spot	XAG			

For Discount to NAVs and Bid Offer Spread Analysis, we consider the 5 largest ETPs in their Asset Class/Asset for US domiciled and Europe domiciled.

Net Position AUM is the sum of the AUM in each ETP multiplied by its leverage factor (which may be either negative or positive). A negative figure indicates investors are net short.

Net Position Flow is the change in the Net Position AUM that is not due to price changes and indicates whether investors are bullish (net long) or bearish (net short) after taking leverage factor into account.

Dictionary of some abbreviations

Last 1D	Last 1 Day
Last 1W	Last 1 Week
Last 1M	Last 1 Month
Δ1D	Change in value over the last day
Δ1W	Change in value over the last week
Δ1M	Change in value over the last month
Δyear to Date	Change in value since the end of last year

Closing Price For Equity Indices as the last available Close Price of the index at the as of date
For Futures, it is the settlement price of the future for the as of date

Source: Bloomberg, WisdomTree. As of 21 March 2023

21 March 2023

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