

# Short & Leveraged ETFs/ETPs Global Flows Report

30th September 2015

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# Data, Methodology and Terms Used

This report provides statistics of AUM, flows and related measures for short & leveraged ETFs/ETPs. Short & leveraged ETFs/ETPs are ETFs/ETPs whose leverage factor which respect to the underlying asset class is currently -1x or lower and +1.5x or higher. ETFs/ETPs which offer a non-leveraged exposure are not included in the analysis<sup>1</sup>.

Following are some definitions for the terms used in the analyses:

- ETF/ETP is used as a generic, interchangeable term to refer to ETF, ETP, ETN and ETC.
- AUM or Assets represents the assets under management in an ETF/ETP. For some ETFs/ETPs for which the AUM is not available, their market capitalisations have been used where possible<sup>2</sup>.
- Asset Flow or Net Subscriptions, is a measure representing the value of net subscriptions over the period, thus removing the effect of changes due to price.
- Notional AUM is the sum of the AUM in each ETP multiplied by the absolute value of its leverage factor, e.g. \$1 in a 3x long ETP or \$1 in a -3x short ETP is \$3 of Notional AUM in both cases.
- Notional Flow is the net subscriptions for each ETP multiplied by the absolute value of the leverage factor. Alternatively, it is the change in the Notional AUM that is not due to price changes.
- Net Position 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 or Repositioning is Notional Flow in long ETPs minus the Notional Flow in short ETPs. Alternatively, it is the change in the Net Position 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.
- Average Investor Leverage is calculated as the average leverage factor across all ETPs of a certain index / exposure and is weighted by the total AUM and leverage factor for each ETP. Average Investor Leverage is used as a proxy for overall investor sentiment with regard to an asset. It may be biased due to leverage factors on offer for each index / exposure<sup>3</sup>, and thus the change in Average Investor Leverage is the most relevant observation rather than the actual number.

All data provided in this report is sourced from calculations by Boost ETP, which are performed on underlying price, return, AUM, currency and market capitalisation data from Bloomberg®. Any fund description data is also obtained from Bloomberg. All data is as of 30<sup>th</sup> September 2015. All figures are denominated in USD.

<sup>1</sup> ETPs which are long-short or have a leverage factor lower than -3x or higher than 3x are included but grouped under "Other leverage" in this report.

<sup>&</sup>lt;sup>2</sup> For a minority of short & leveraged ETFs/ETPs, neither the AUM nor the market capitalisation is available. The AUM data for these ETFs/ETPs, as well as all related statistics, as described above, are not included in the analyses presented.

<sup>&</sup>lt;sup>3</sup> This bias may be exacerbated in cases of a limited offering of short & leveraged ETFs/ETPs on a particular asset class. For example, since non-leveraged ETFs/ETPs are not included in the analysis, in cases where only -1x and +1x ETFs/ETPs are offered on an asset class, the Average Investor Leverage will be -1.

# **Boostometer - S&L Investor Sentiment Gauge\***

Equities	Fixed Income	Commodities
mod. Bullish US	very bearish	Gold
very bullish Japan	very bearish <b>Japan</b>	very bullish Silver
mod. Bullish	very bearish Europe	mod. Bearish Copper
neutral	very bearish	mod. Bullish Oil
Germany	very bearish <b>Germany</b>	very bullish Natural gas
mod. Bullish Italy	mod. Bearish Italy	

<sup>\*</sup> Based on notional AUM. The dial indicates sentiment of S&L investors as of last month and the shaded area its change from previous month

# Summary



### **Global Assets Under Management**

- The total global AUM of Short & Leveraged (S&L) ETPs at the end of September 2015 was \$70.1 billion, up
- 46% of AUM is held in short products with leverage factors ranging between -1x to -3x. 54% of AUM is held in long products with leverage factors ranging from +2 and above. The leverage factor with the most assets is +2x, with 38% of AUM.
- In terms of S&L asset allocation, equity ETPs are the most popular with 72% of AUM, followed by debt with 12% and commodities with 9%. The remainder is allocated between currency and alternative ETPs.
- The largest individual S&L ETPs are short US government debt and leveraged US equities.

### **Short & Leverage Equities: Global**

- Currently there is \$50.7 billion of AUM held in S&L equity ETPs, an increase of 15% YTD. 63% of equity ETPs globally are held in leveraged (long) ETPs, 37% in short ETPs.
- AUM in S&L US equity ETPs (including Size and Style but excluding Sectors as objective4) was \$18.5 billion whilst US sector focused equity ETPs had \$6.3 billion in AUM.
- There was \$3.7 billion in inflows into S&L equity ETPs globally in September, with the US enjoying \$1.9 billion in inflows, followed by Japan with \$1.3 billion, and Europe with \$326 million.
- Flows into Japanese equity S&L ETPs last month were all long with cumulative inflows over the past 12 months reaching over \$7.3 billion.

# **Short & Leverage Equities: Europe**

- Current AUM of S&L equity ETPs tracking Europe (including Size and Style but excluding Sectors as objective<sup>5</sup>) stands at \$6.9 billion with \$2.7 billion tracking the European region and \$4.2 billion tracking individual European countries. The AUM of ETPs tracking European sectors (region and country specific) remains small.
- S&L investor sentiment is mixed with positioning both bullish and bearish last month, as evident by \$142 million inflows into short ETPs and \$178 million inflows into long ETPs last month.
- Cumulative inflows into S&L ETPs tracking broad Europe have reached \$773 million YTD.

# **Short & Leverage Debt: Global**

- The AUM of S&L debt ETPs globally is currently \$8.7 billion, up 1.6 % YTD. With 96% of AUM held in short ETPs, S&L investors remain overwhelmingly bearishly positioned in debt.
- Breaking down the AUM of S&L debt ETPs, \$7.5 billion is in government debt ETPs and \$0.8 billion in corporate debt and preferred stock ETPs. The remaining \$0.3 billion in AUM is held in a combination of government debt, corporate debt and alternative (sector focused) debt.
- 60% of the AUM of global S&L debt ETPs (\$5.2 billion) is in S&L ETPs tracking US government debt. S&L ETPs tracking European government debt account for \$2.0 billion in AUM, or 24% of global S&L debt ETPs, most of which is German government bonds. The remaining 16% of AUM in S&L ETPs track Asian debt (predominantly Japanese government bonds) and the Middle Eastern debt.
- S&L investors' bearish positions in US Treasuries reversed in September, following the Fed's decision to delay the interest rate hike. Short ETPs saw \$158 million in outflows whilst long ETPs enjoyed \$33 million in inflows.
- Falling Bund yields compelled S&L investors to position bearishly on German debt in September with inflows of \$132 million into short ETPs tracking German bunds. Cumulative asset flows into S&L ETPs tracking German government debt have reached \$570 million year-to-date, predominantly driven by the build-up of short positions.

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<sup>&</sup>lt;sup>4</sup> Size, Style and Sector are investment objective categories. Size is referred to as the categorization of securities by market capitalisation (large, mid and smallcap). Style is referred to as securities that are classified as capturing a value or growth proposition, or a blend of the two. Sectors are investment objectives focused on securities specific to one sector and which per asset class may have different sector classifications. For instance, equities capture sectors such as technology and energy, while fixed income sectors may include government and corporate.

<sup>&</sup>lt;sup>5</sup> Size, Style and Sector are investment objective categories. Size is referred to as the categorization of securities by market capitalisation (large, mid and smallcap). Style is referred to as securities that are classified as capturing a value or growth proposition, or a blend of the two. Sectors are investment objectives focused on securities specific to one sector and which per asset class may have different sector classifications. For instance, equities capture sectors such as technology and energy, while fixed income sectors may include government and corporate.

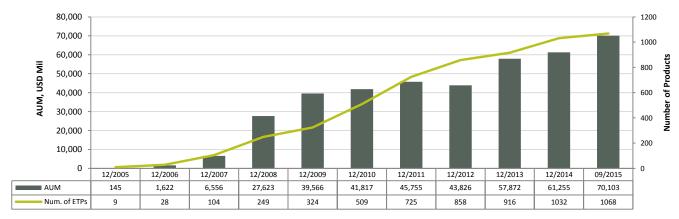
# **Short & Leverage Commodities: Global**

- S&L commodity ETPs are dominated by gold, silver, oil and natural gas, representing 94% of total AUM. Oil is currently the largest commodity ETP with \$3.3 billion in AUM, followed by natural gas with \$936 million in AUM. Gold and silver are the 3<sup>rd</sup> and 4<sup>th</sup> largest commodity ETPs, with \$737 million and \$594 million in AUM,
- Renewed volatility in commodity markets drove the AUM of S&L commodity ETPs to \$6.9 billion in August, the second highest point this year, as investors turned to S&L ETPs to position opportunistically or hedge their exposures.
- S&L activity in oil has been the main driver for the increase in AUM of S&L commodity ETPs with cumulative inflows of over \$4 billion for the past 12 months.

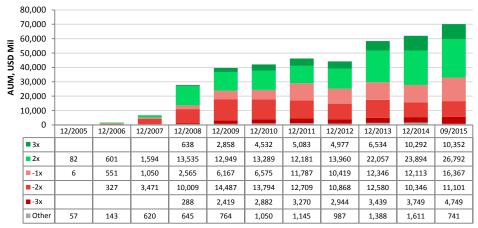
# **Global Growth of S&L ETFs/ETPs**

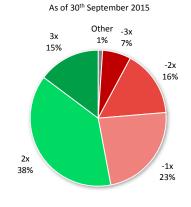


# **AUM and Number of Products**

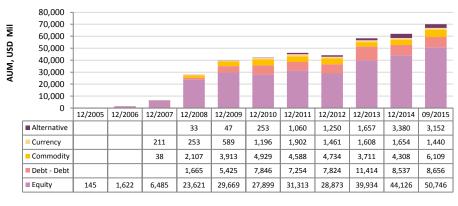


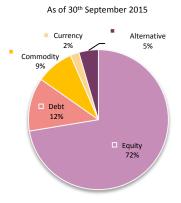
# **AUM by Leverage Factor**



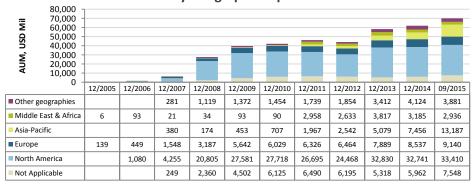


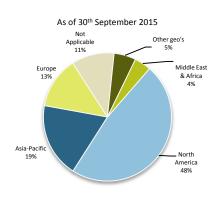
# **AUM by Asset Class**





# **AUM by Geographic Exposure**





# Top S&L ETFs/ETPs



# By Asset Class Focus and ETF/ETP Domicile

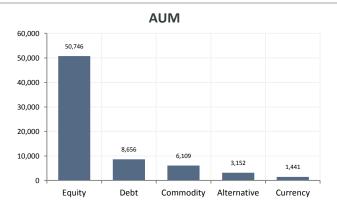
	By AUM	By Past Month's Asset Flows	By YTD Asset Flows
	Showing 15 largest ETPS by AUM	Showing 15 largest asset flows in the past month	Showing 15 largest asset net flows YTD
	ETF/ETP IT AUM	Asset ETF / ETP Name IT Flow	Asset ETF / ETP Name   IT   Flow
ņ	ProShares Short S&P500 2,186	ProShares UltraShort S&P500 415	ProShares Short S&P500 817
s America	ProShares UltraShort S&P500 1,764	ProShares Short S&P500 408	Direxion Daily Gold Miners Index Bull 3X Sha 655
Je	ProShares Ultra S&P500 1,726  Direxion Daily Financial Bull 3X Shares 1,202	Direxion Daily Financial Bull 3X Shares 142  ProShares UltraPro Short S&P 500 112	ProShares UltraShort S&P500 587
An	ProShares UltraPro QQQ 1,187	ProShares UltraPro QQQ 108	Direxion Daily Energy Bull 3X Shares 404
es L.	FI Enhanced Global High Yield ETN 1,165	ProShares UltraPro S&P 500 100	ProShares Short MSCI Emerging Markets 312 Direxion Daily Small Cap Bull 3X Shares 268
ے ≝	ProShares UltraPro S&P 500 958	ProShares Short Dow30 87	Direxion Daily CSI 300 China A Share Bear 1X 247
Equities omiciled in N	ProShares Ultra QQQ 887	ProShares Short MSCI Emerging Markets 86	ProShares Short Dow30 229
e E	Direxion Daily Small Cap Bull 3X Shares 872  FI Enhanced Large Cap Growth ETN 730	ProShares UltraPro Short QQQ 84  Direxion Daily Small Cap Bull 3X Shares 81	ProShares Short QQQ 192
<u>:</u>	FI Enhanced Europe 50 ETN 727	ProShares UltraShort QQQ 79	ProShares Ultra Nasdaq Biotechnology 189
Ξ	ProShares Ultra Financials 691	Direxion Daily Gold Miners Index Bull 3X Sha 69	ProShares UltraPro Short QQQ 167
0	ProShares Ultra Nasdaq Biotechnology 650	Direxion Daily S&P 500 Bull 3X 60	ProShares Short MSCI EAFE -169 ProShares Ultra QQQ -187
_	Direxion Daily Gold Miners Index Bull 3X 629  Direxion Daily S&P 500 Bull 3X 613	Direxion Daily CSI 300 China A Share Bear 1X 57 Direxion Daily Emerging Markets Bear 3X Sha 48	Direxion Daily Small Cap Bear 3X Shares -205
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	ETF/ETP  IT AUM		Asset ETF / ETP Name IT Flow
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a	dh y-trackers S&P 500 Inverse Daily FTE 465	ComStage ETF ShortDAX TR UCITS ETF 47	Amundi ETF Short MSCI USA Daily UCITS ETF 156
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ĭ	LYXOR UCITS ETF DAILY LEVERAGE CAC 40 348	Lyxor ETF Ibex 35 Doble Apalancado Diario 31	Lyxor ETF EURO STOXX 50 Daily Short 133
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Δ	Lyxor ETF EURO STOXX 50 Daily Double Short 134	Lyxor ETF EURO STOXX 50 Daily Short -33	Lyxor ETF FTSE MIB Daily Short Bear 63 db x-trackers LevDAX Daily UCITS ETF 62
	LYXOR ETF CAC 40 Daily Double Short 130  Lyxor ETF Ibex 35 Doble Apalancado Diario 130	db x-trackers S&P 500 2x Inverse Daily UCITS ETF -42	ETFS DAX Daily 2x Long GO UCITS 56
		db x-trackers S&P 500 Inverse Daily UCITS ETF -45	Lyxor ETF FTSE MIB Daily Leveraged -123
	ETF/ETP IT AUM	Asset ETF / ETP Name	Asset
	ProShares UltraShort 20+ Year Treasury 2,783	ProShares Ultra 7-10 Year Treasury 49	ETF / ETP Name Flow  Direxion Daily 20+ Yr Treasury Bear 3x Shares 199
me America	ProShares Short 20+ Year Treasury 853	ProShares Short High Yield 6	ProShares Short High Yield 83
<u></u>	Direxion Daily 20 Year Plus Treasury Bear 3x Shares 537	DB 3x Short 25+ Year Treasury Bond Exchange -1	ProShares UltraPro Short 20+ Year Treasury 14
a E	ProShares UltraShort Lehman 7-10 Year Treasury 204	ProShares Ultra 20+ Year Treasury -1	iPath US Treasury 5-year Bear ETN -5
Ēδ	ProShares Short High Yield 148	DB Inverse Japanese Govt Bond Futures Exch -1	DB 3x Short 25+ Year Treasury Bond Exchange -5
8 Z	ProShares Ultra Pro Short 20+ Year Treasury 99  ProShares Ultra 7-10 Year Treasury 93	ProShares UltraPro Short 20+ Year Treasury -1	Direxion Daily 7-10 Year Treasury Bear 3x Sha -5
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ت <u>ت</u>	Direxion Daily 20 Year Plus Treasury Bull 3x Shares 56	DB 3x Inverse Japanese Govt Bond Futures E> -2	Direxion Daily 7-10 Year Treasury Bull 2X Shai -11
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_	iPath US Treasury Long Bond Bear ETN 29	Direxion Daily 20 Year Plus Treasury Bear 3x -45	ProShares UltraShort Lehman 7-10 Year Treasury -58  ProShares Short 20+ Year Treasury -174
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<u>ا</u> و	Lyxor UCITS ETF Daily Double Short BTP 199  Amundi ETF Short US Treasury 7-10 Daily 114	AMUNDI ETF SHORT GOVT BOND EUROMTS B -2	Lyxor UCITS ETF Daily Leveraged BTP 44 db x-trackers II iTraxx Europe Short Daily UCI 34
ž U	LYXOR UCITS ETF DAILY DOUBLE SHORT 10 75	db x-trackers II UK GILTS DOUBLE SHORT DAILY -2	LYXOR UCITS ETF DAILY DOUBLE SHORT 10Y U: 28
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ed	db x-trackers II iTraxx Europe Short Daily 50	Amundi ETF Short US Treasury 7-10 Daily UCI -3	Lyxor UCITS ETF Daily Leveraged Bund 14
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	Lyxor UCITS ETF Daily Leveraged Bund 25 db x-trackers II-lboxx Euro High Yield Bor 17 AMUNDI ETF SHORT GOVT BOND EUROM 14 db x-trackers II - UK Gilts Short Daily UCIT 14  ETF/ETP	LYXOR UCITS ETF DAILY DOUBLE SHORT 10Y U! -13   db x-trackers II - UK Gilts Short Daily UCITS ET -22	ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -18  Asset  ETF / ETP Name IT Flow  VelocityShares 3x Long Crude ETN 1,401 ProShares Ultra Bloomberg Crude Oil 777  NEXT NOTES Nikkei TOCOM Leveraged Crude Oil ETN 673 VelocityShares 3x Long Natural Gas ETN 594 Boost WTI Oil 3x Leverage Daily ETP 209 Horizons BetaPro NYMEX Crude Oil Bull Plus ETF 151 ETFS Daily Leveraged WTI Crude Oil 135
	Lyxor UCITS ETF Daily Leveraged Bund 25 db x-trackers II-lboxx Euro High Yield Bor 17 AMUNDI ETF SHORT GOVT BOND EUROM 14 db x-trackers II - UK Gilts Short Daily UCIT 14  ETF / ETP	LYXOR UCITS ETF DAILY DOUBLE SHORT 10Y U! -13   db x-trackers II - UK Gilts Short Daily UCITS ET -22    Asset  ETF / ETP Name	ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -18  Asset  ETF / ETP Name   IT   Flow  VelocityShares 3x Long Crude ETN 1,401   ProShares Ultra Bloomberg Crude Oil 777   NEXT NOTES Mikkei TOCOM Leveraged Crude Oil ETN 673   VelocityShares 3x Long Natural Gas ETN 594   Boost WTI Oil 3x Leverage Daily ETP 209   Horizons BetaPro NYMEX Crude Oil Bull Plus ETF 151   ETFS Daily Leveraged WTI Crude Oil 135   VelocityShares 3x Inverse Crude ETN 131
	Lyxor UCITS ETF Daily Leveraged Bund 25 db x-trackers II-lboxx Euro High Yield Bor 17 AMUNDI ETF SHORT GOVT BOND EUROM 14 db x-trackers II - UK Gilts Short Daily UCIT 14 ETF/ETP LT AUM  VelocityShares 3x Long Crude ETN 813 ProShares Ultra Bloomberg Crude Oil 787 VelocityShares 3x Long Natural Gas ETN 504 NEXT NOTES Nikkei TOCOM Leveraged Cr 466 ProShares Ultra Silver 245 VelocityShares 3x Inverse Crude ETN 201 Horizons BetaPro NYMEX Crude Oil Bull Plus 158	LYXOR UCITS ETF DAILY DOUBLE SHORT 10Y U! -13   db x-trackers II - UK Gilts Short Daily UCITS ET -22	ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -18  Asset  ETF / ETP Name IT Flow  VelocityShares 3x Long Crude ETN 1,401 ProShares Ultra Bloomberg Crude Oil FIN 673 VelocityShares 3x Long Natural Gas ETN 594 Boost WTI Oil 3x Leverage Daily ETP 209 Horizons BetaPro NYMEX Crude Oil Bull Plus ETF 151 ETFS Daily Leveraged WTI Crude Oil 135 VelocityShares 3x Inverse Crude ETN 131 VelocityShares 3x Long Silver ETN 131 VelocityShares 3x Long Silver ETN 68
Commodities	Lyxor UCITS ETF Daily Leveraged Bund 25 db x-trackers II-lboxx Euro High Yield Bor 17 AMUNDI ETF SHORT GOVT BOND EUROM 14 db x-trackers II - UK Gilts Short Daily UCIT 14  ETF / ETP	LYXOR UCITS ETF DAILY DOUBLE SHORT 10Y U! -13   db x-trackers II - UK Gilts Short Daily UCITS ET -22    Asset  ETF / ETP Name	ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -18  Asset  ETF / ETP Name
	Lyxor UCITS ETF Daily Leveraged Bund 25 db x-trackers II-lboxx Euro High Yield Bor 17 AMUNDI ETF SHORT GOVT BOND EUROM 14 db x-trackers II - UK Gilts Short Daily UCIT 14  ETF/ETP	LYXOR UCITS ETF DAILY DOUBLE SHORT 10Y U! -13   db x-trackers II - UK Gilts Short Daily UCITS ET -22	ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -18  Asset  ETF / ETP Name IT Flow  VelocityShares 3x Long Crude ETN 1,401 ProShares Ultra Bloomberg Crude Oil T77  NEXT NOTES Nikkel TOCOM Leveraged Crude Oil ETN 673 VelocityShares 3x Long Natural Gas ETN 594 Boost WTI Oil 3x Leverage Daily ETP 209 Horizons BetaPro NYMEX Crude Oil Bull Plus ETF 151 ETFS Daily Leveraged WTI Crude Oil 135 VelocityShares 3x Inverse Crude ETN 131 VelocityShares 3x Long Silver ETN 68 Horizons BetaPro NYMEX Natural Gas Bull Plus ETF 56
	Lyxor UCITS ETF Daily Leveraged Bund 25   db x-trackers II-lboxx Euro High Yield Bor 17   AMUNDI ETF SHORT GOVT BOND EUROM 14   db x-trackers II- UK Gilts Short Daily UCIT 14	LYXOR UCITS ETF DAILY DOUBLE SHORT 10Y U! -13   db x-trackers II - UK Gilts Short Daily UCITS ET -22    Asset  ETF / ETP Name	ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -18  Asset  ETF / ETP Name   IT   Flow   VelocityShares 3x Long Crude ETN   1,401   ProShares Ultra Bloomberg Crude Oil FTN   673   VelocityShares 3x Long Natural Gas ETN   594   Boost WTI Oil 3x Leverage Daily ETP   209   Horizons BetaPro NYMEX Crude Oil Bull Plus ETF   151   ETFS Daily Leveraged WTI Crude Oil   135   VelocityShares 3x Long Silver ETN   68   Horizons BetaPro NYMEX Natural Gas Bull Plus ETF   56   Boost Natural Gas Sx Leverage Daily ETP   47   ETFS Daily Leveraged Coffee   40   SG ETC WTI Oil -3X Daily Short Collateralized   -36
	Lyxor UCITS ETF Daily Leveraged Bund 25 db x-trackers II-lboxx Euro High Yield Bor 17 AMUNDI ETF SHORT GOVT BOND EUROM 14 db x-trackers II - UK Gilts Short Daily UCIT 14  ETF/ETP	LYXOR UCITS ETF DAILY DOUBLE SHORT 10Y U! -13   db x-trackers II - UK Gilts Short Daily UCITS ET -22    Asset  ETF / ETP Name	ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -18  Asset  ETF / ETP Name   IT   Flow  VelocityShares 3x Long Crude ETN 1,401   ProShares Ultra Bloomberg Crude Oil 777   NEXT NOTES Nickei TOCOM Leveraged Crude Oil ETN 673   VelocityShares 3x Long Natural Gas ETN 594   Boost WTI Oil 3x Leverage Daily ETP 209   Horizons BetaPro NYMEX Crude Oil Bull Plus ETF 151   ETFS Daily Leveraged dVTI Crude Oil Bull Plus ETF 151   VelocityShares 3x Long Silver ETN 131   VelocityShares 3x Long Silver ETN 68   Horizons BetaPro NYMEX Natural Gas Bull Plus ETF 56   Boost Natural Gas Sax Leverage Daily ETP 47   ETFS Daily Leveraged Coffee 40

# **Global Asset Allocation**

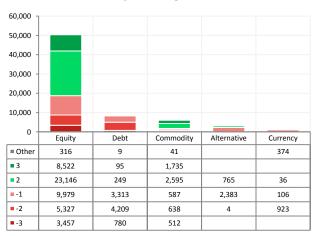


# **Current Allocations**

As of 30th September 2015; Figures in USD Mil.

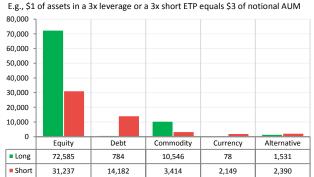


# **AUM by Leverage Factor**



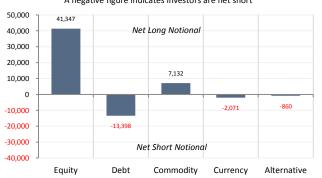
# **Notional AUM**

The sum of the AUM in each ETP multiplied by the absolute value of its leverage factor.



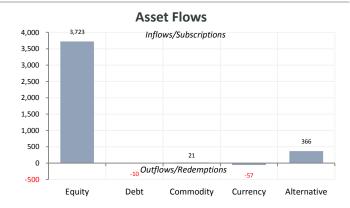
### **Net Position**

The notional AUM in long minus the notional AUM in short.
A negative figure indicates investors are net short

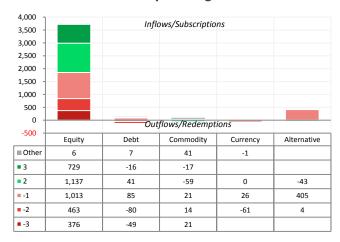


# **September 2015 Flows**

Over September 2015; Figures in USD Mil.

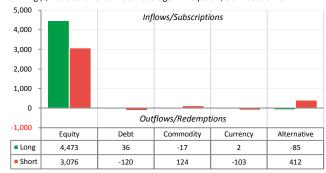


# **Asset Flows by Leverage Factor**



# **Notional Flows**

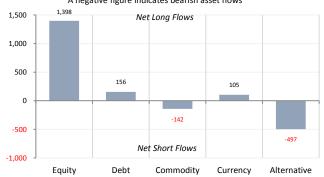
The net subscriptions for each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of outflows from a 3x leverage ETP equals -\$3 of notional flow



### **Net Position Flows**

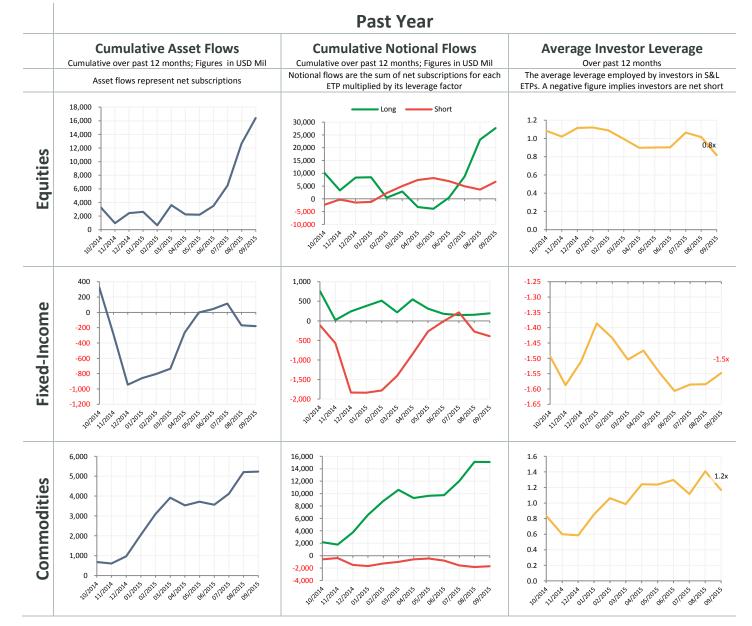
The notional flow in long ETPs minus the notional flow in short ETPs.

A negative figure indicates bearish asset flows



# **Global Asset Allocation**



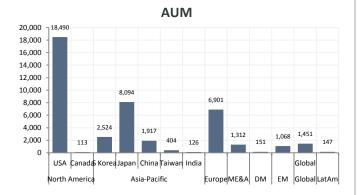




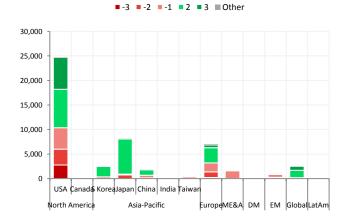
# **ETPs Focused on Any Country or Region**

# **Current Allocations**

By Geographic Exposure; As of 30<sup>th</sup> September 2015; Figures in USD Mil.



# **AUM by Leverage Factor**



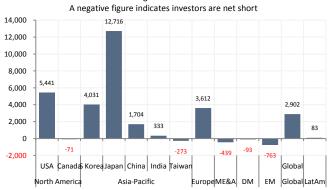
## **Notional AUM**

The sum of the AUM in each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of assets in a 3x leverage or a 3x short ETP equals \$3 of notional AUM



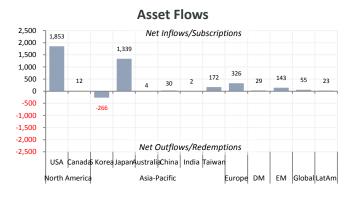
### **Net Position**

The notional AUM in long minus the notional AUM in short.



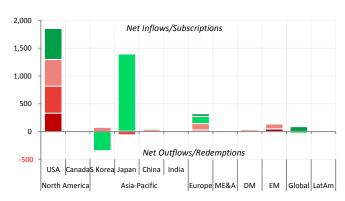
# **September 2015 Flows**

By Geographic Exposure; During September 2015; Figures in USD Mil.



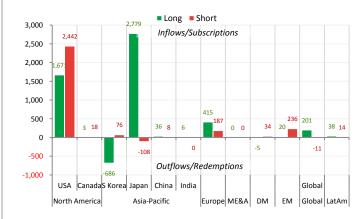
# **Asset Flows by Leverage Factor**

■-3 ■-2 ■-1 ■ 2 ■ 3 ■ Other



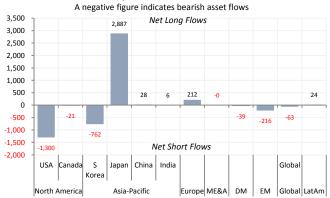
## **Notional Flows**

The net subscriptions for each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of outflows from a 3x leverage ETP equals -\$3 of notional flow



### **Net Position Flows**

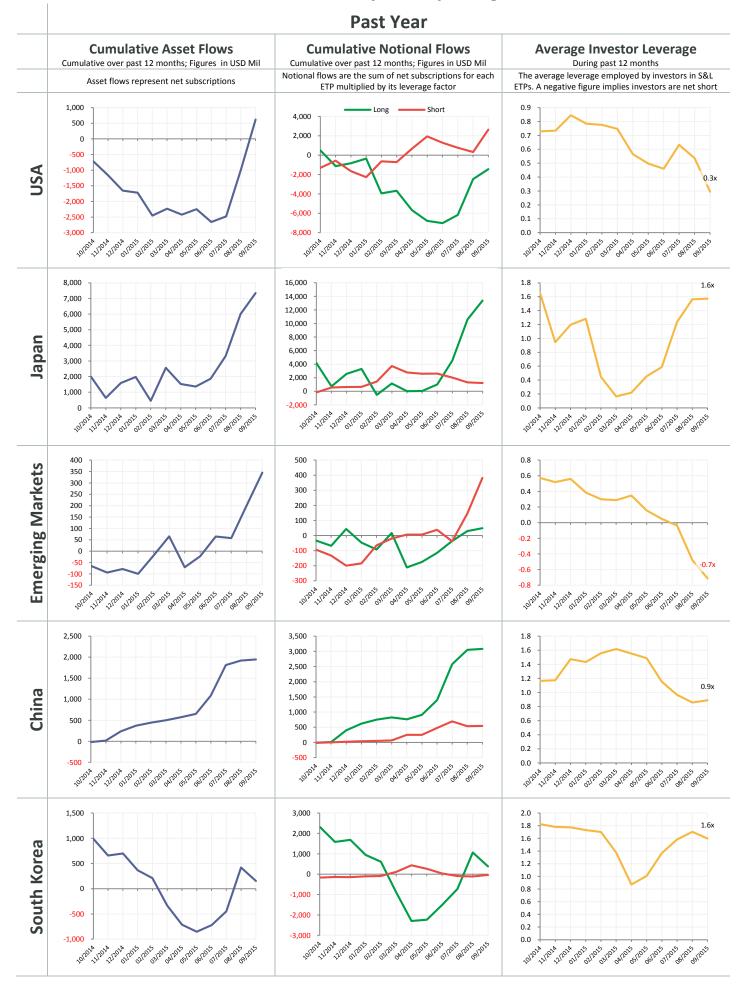
The notional flow in long ETPs minus the notional flow in short ETPs.



**\*\*\*** +44 (0) 20 3207 9050



# **ETPs Focused on Any Country or Region**





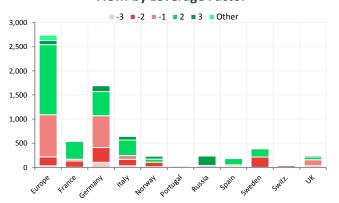
# **ETPs Focused on European Countries or Europe**

# **Current Allocations**

By Geographic Exposure; As of 30<sup>th</sup> September 2015; Figures in USD Mil.

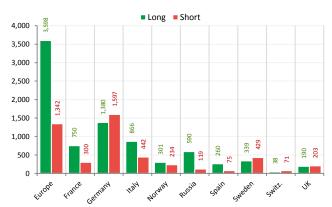
# AUM Showing countries with AUM above \$10mm 2,500 2,000 1,500 1,000 500 1,699 1,500 231 231 23 236 182 55 240 500 1,000 500 1,000 500 1,000 500 1,000 500 1,000 500 1,000 500 1,000 500 1,000 1,000 500 1,000 500 1,000 500 1,000 500 1,000 500 1,000 500 1,000 1,000 500 1,000 500 1,000

# **AUM by Leverage Factor**

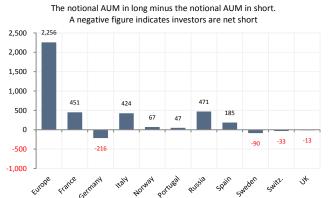


### **Notional AUM**

The sum of the AUM in each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of assets in a 3x leverage or a 3x short ETP equals \$3 of notional AUM



### **Net Position**

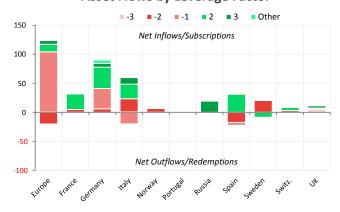


# **September 2015 Flows**

By Geographic Exposure; Over September 2015; Figures in USD Mil.

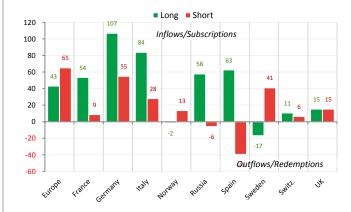
# Asset Flows Net Inflows/Subscriptions Net Outflows/Redemptions Net Outflows/Redemptions

# **Asset Flows by Leverage Factor**



### **Notional Flows**

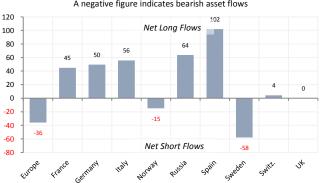
The net subscriptions for each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of outflows from a 3x leverage ETP equals -\$3 of notional flow



### **Net Position Flows**

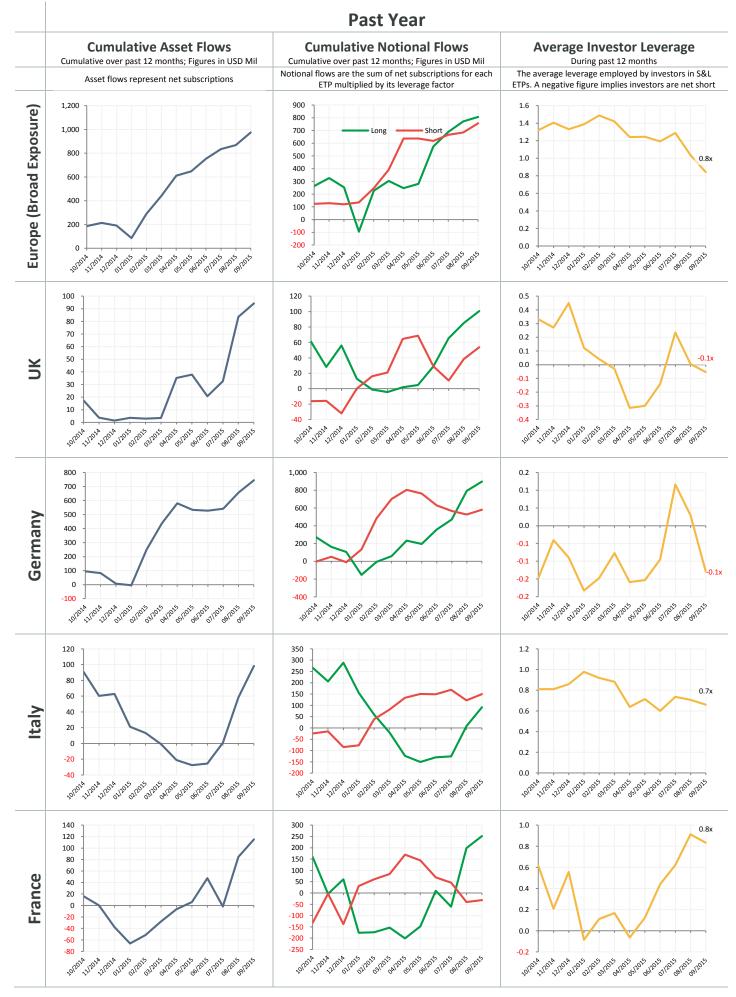
The notional flow in long ETPs minus the notional flow in short ETPs.

A negative figure indicates bearish asset flows



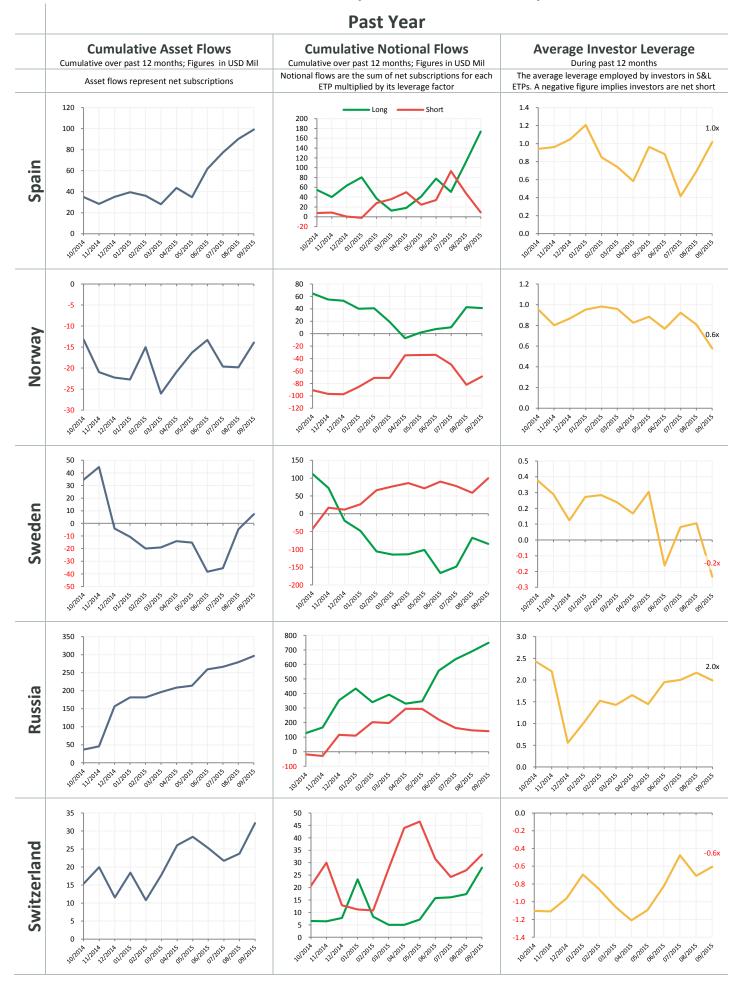
**\*\*** +44 (0) 20 3207 9050

# **ETPs Focused on European Countries or Europe**





# **ETPs Focused on European Countries or Europe**



# **Short & Leveraged Govt. Debt**

# **B** boost

USA

America

ME&A

# Global

200

150 100

50

0

-100

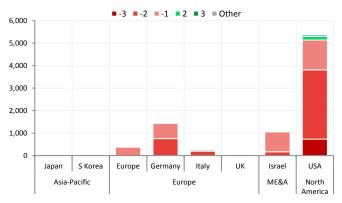
Asia-Pacific

# **Current Allocations**

By Geographic Exposure; As of 30th September 2015; Figures in USD Mil.

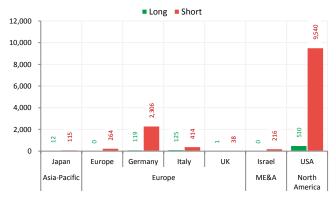
# Showing countries with AUM above \$10mm 5,000 4,000 3,000 1,000 1,000 1,000 Japan Europe Germany Italy UK Israel USA Asia-Pacific Europe ME&A North

# **AUM by Leverage Factor**

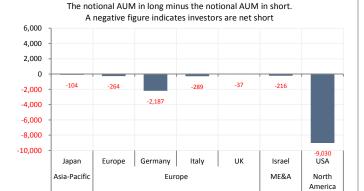


## **Notional AUM**

The sum of the AUM in each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of assets in a 3x leverage or a 3x short ETP equals \$3 of notional AUM



### **Net Position**



# **September 2015 Flows**

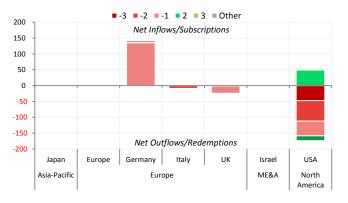
By Geographic Exposure; Over September 2015; Figures in USD Mil.

# Asset Flows Showing countries with inflows or outflows above \$1mm Net Inflows/Subscriptions 0 -2 -3 -9 -24 Net Outflows/Redemptions

# **Asset Flows by Leverage Factor**

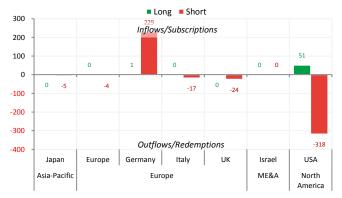
Europe

Italy



## **Notional Flows**

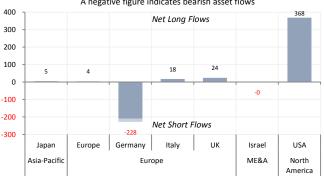
The net subscriptions for each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of outflows from a 3x leverage ETP equals -\$3 of notional flow



### **Net Position Flows**

The notional flow in long ETPs minus the notional flow in short ETPs.

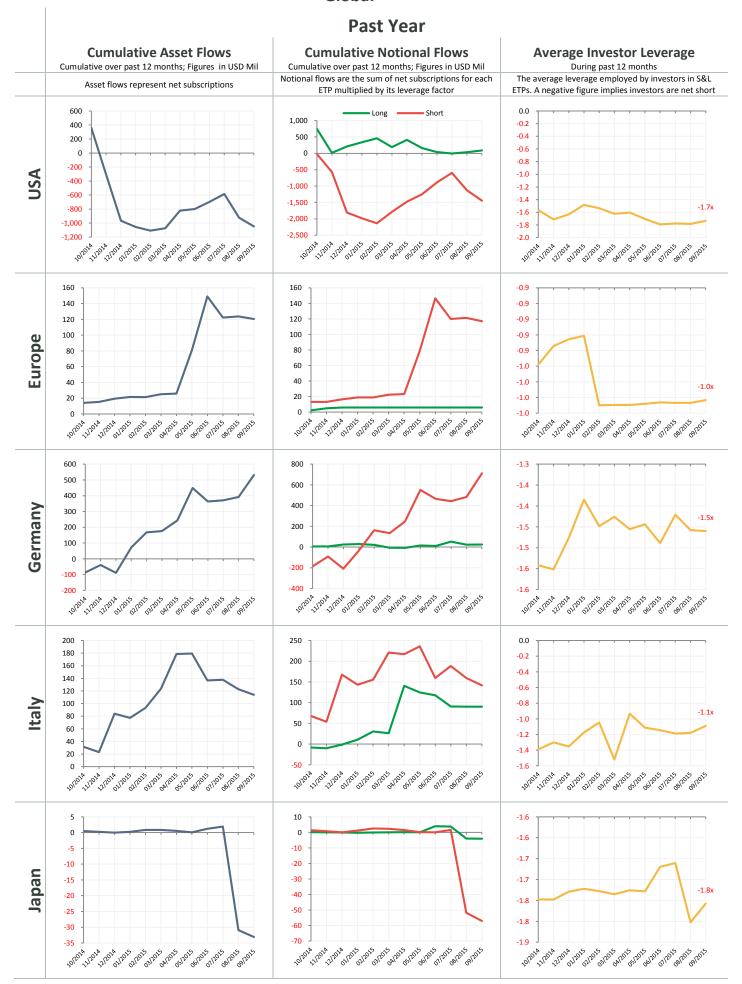
A negative figure indicates bearish asset flows



# **Short & Leveraged Govt. Debt**



# Global



# **Short & Leveraged Commodities B boost**

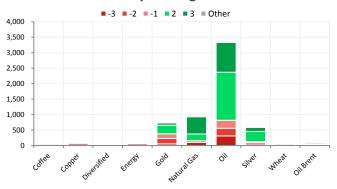


# **Current Allocations**

By commodity exposure; As of 30<sup>th</sup> September 2015; Figures in USD Mil; Showing the top 10 AUM commodity exposures

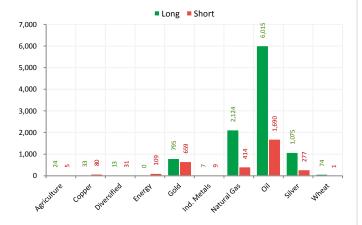
# Showing commodity exposures with the top 10 AUMs 4,000 3,500 3.000 2.500 2,000 737 1,000 500

# **AUM by Leverage Factor**

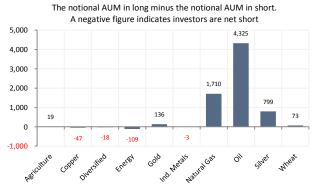


### **Notional AUM**

The sum of the AUM in each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of assets in a 3x leverage or a 3x short ETP equals \$3 of notional AUM



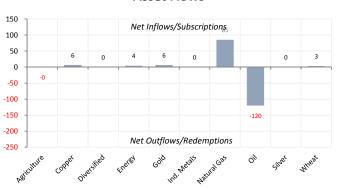
# **Net Position**



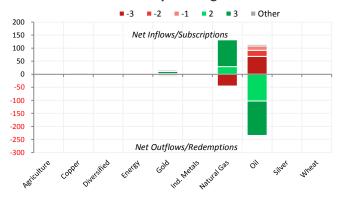
# **September 2015 Flows**

By commodity exposure; Over September 2015; Figures in USD Mil; Showing the top 10 AUM commodity exposures

### **Asset Flows**

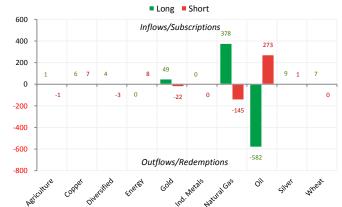


# **Asset Flows by Leverage Factor**



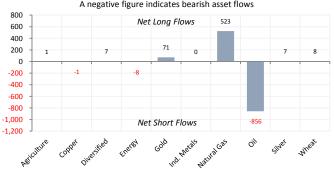
### **Notional Flows**

The net subscriptions for each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of outflows from a 3x leverage ETP equals -\$3 of notional flow



# **Net Position Flows**

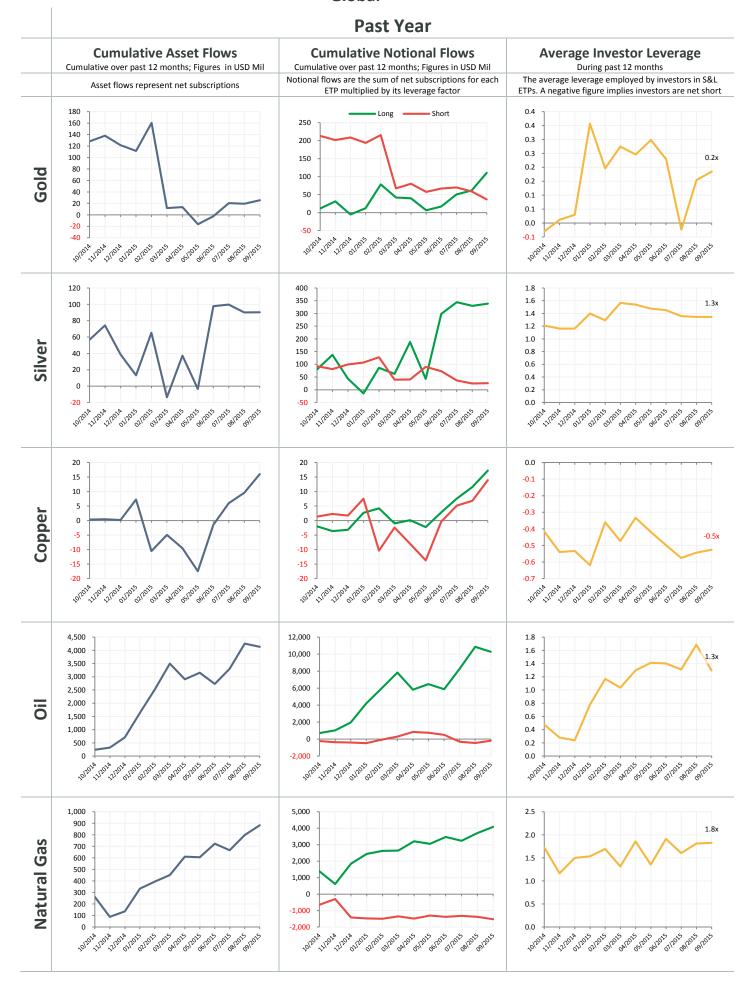
The notional flow in long ETPs minus the notional flow in short ETPs. A negative figure indicates bearish asset flows



# **Short & Leveraged Commodities**



# Global



All data provided in this report is sourced from calculations by Boost ETP, which are performed on underlying price, return, AUM, currency and market capitalisation data from Bloomberg<sup>®</sup>. Any fund description data is also obtained from Bloomberg. All data is as of 30<sup>th</sup> September 2015. All figures are denominated in USD.

# **Boost Resources**



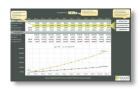
# **Educational Resources**

All educational resources are available on Boost's website, and more resources are added all the time. You can find them under the "Resources" section. You June be required to register to the Boost website in order to download the full documents.



## Short & Leveraged ETF/ETP Advisor Tool Kit

The Tool Kit has been designed to provide simple and easy to understand educational materials for anyone considering an investment in a short or leveraged ETF or ETP... <u>View page</u>



# Short/Leveraged ETF/ETP Simulator

A downloadable spread sheet illustrates how a short or leveraged daily ETP performs over a period of 11 days. It allows the user to select a leverage factor for a daily short or leveraged ETP and type in returns for an index for each one of 11 days to see how the short or leveraged ETP would perform. It also allows the user to select from three pre-defined scenarios of trending and volatile markets... Simulator page



# Eight Things to Know About Leveraged & Short ETFs/ETPs & ETFs/ETPs

Boost ETPs are trading instruments that need to be clearly understood before an investor should trade or invest. Once understood they are highly efficient tools that provide magnified long and short exposure in an efficient product wrapper. The following are eight key things to know about leveraged and short ETFs/ETPs & ETFs/ETPs... View document



### The Daily Compounding Effect

Boost Short and Leverage Daily ETFs/ETPs are designed to track either a leveraged index or unleveraged index. In either case, the daily return is multiplied by the leverage factor on each day. Other frequencies of re-balancing could be used but the actual leverage an investor would be exposed to would depend at what point of time they bought the investment. View document



# **Liquidity Explained**

The major benefit of an Exchange Traded Product (ETF/ETP) is that it gives access to very liquid underlying markets and its own liquidity reflects this. Investors often assume that liquidity in ETFs/ETPs is derived from ETF/ETP volumes. ETFs/ETPs even if thinly traded and can still be liquid...

**View document** 



### **Counterparty Risk Fact Sheet**

Boost ETPs have a robust and transparent collateral structure, which Boost believes offers ETF/ETP investors a best of breed counterparty risk model, where ETF/ETP investors' interests are aligned with Boost... View document



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The value of an investment in ETPs may go down as well as up and past performance is not a reliable indicator of future performance. An investment in ETPs is dependent on the performance of the underlying index, less costs, but it is not expected to match that performance precisely. ETPs involve numerous risks including among others, general market risks relating to the relevant underlying index, credit risks on the provider of index swaps utilised in the ETP, exchange rate risks, interest rate risks, inflationary risks, liquidity risks and legal and regulatory risks.

ETPs offering daily leveraged or daily short exposures ("Leveraged ETPs") are products which feature specific risks that prospective investors should understand before investing in them. Higher volatility of the underlying indices and holding periods longer than a day may have an adverse impact on the performance of Leveraged ETPs. As such, Leveraged ETPs are suitable for institutional and retail investors who are sophisticated (as defined by the FCA), wish to take a short term view on the underlying indices and can understand the risks of investing in Leveraged ETPs. Investors should refer to the section entitled "Risk Factors" and "Economic Overview of the ETP Securities" in the Prospectus for further details of these and other risks associated with an investment in Leveraged ETPs and consult their financial advisors as needed. Neither WisdomTree Europe Ltd. nor the Issuer has assessed the suitability of any Leveraged ETPs for investors other than the relevant Authorised Participants.

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