

# Short & Leveraged ETFs/ETPs Global Flows Report

31st December 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 31<sup>st</sup> December 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 Japan	mod. Bullish Silver
mod. Bullish Europe	very bearish	Copper
mod. Bullish  UK	very bearish UK	mod. Bullish Oil
mod. Bullish  Germany	very bearish <b>Germany</b>	mod. Bullish Natural gas
mod. Bullish Italy	very bearish	

<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 December 2015 was \$68.3 billion, up 13.8%
   YTD.
- 43% of AUM is held in short products with leverage factors ranging between -1x to -3x. 57% 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 41% 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 \$49.8 billion of AUM held in S&L equity ETPs, an increase of 16% YTD. 69% of equity ETPs globally are held in leveraged (long) ETPs, 31% in short ETPs.
- AUM in S&L US equity ETPs (including Size and Style but excluding Sectors as objective⁴) was \$17.5 billion whilst US sector focused equity ETPs had \$6.7 billion in AUM.
- S&L investors repositioned bullishly in US and European equities with conviction, with creations in long ETPs coinciding with redemptions in short ETPs tracking major benchmarks.
- Japanese equities attracted strong inflows with a mixed stance by S&L investors, with \$870 million inflows into long and short ETPs in December driving 2015 inflows into S&L ETPs tracking Japanese equities to \$5.2 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 \$5.9 billion with \$2.4 billion tracking the European region and \$3.5 billion tracking individual European countries. The AUM of ETPs tracking European sectors (region and country specific) remains small.
- S&L investor sentiment towards Europe was bullish, reflected by the \$280 million inflows into long ETPs and \$600 million outflows from short ETPs tracking major European benchmarks last month.
- Cumulative inflows into S&L ETPs tracking the European region and individual European countries have reached over \$1.1 billion YTD.

### Short & Leverage Debt: Global

- The AUM of S&L debt ETPs globally is currently \$8 billion. 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, \$6.9 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.
- 70% of the AUM of global S&L debt ETPs (\$4.8 billion) is in S&L ETPs tracking US government debt. S&L ETPs tracking European government debt account for \$1.8 billion in AUM, or 26% of global S&L debt ETPs, most of which is German government bonds. The remaining 4% of AUM in S&L ETPs track Asian debt (predominantly Japanese government bonds) and the Middle Eastern debt.
- Downbeat sentiment on China's outlook overwhelmed an upbeat Fed as S&L investors cut their bearish positions in US debt by \$260 million.

<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 small-cap). 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 small-cap). 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.

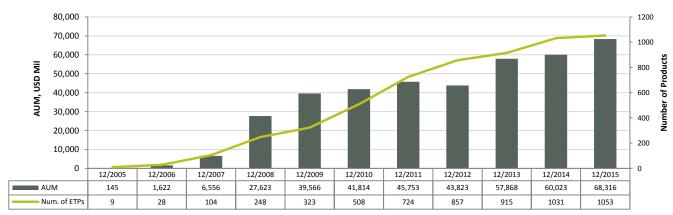
### **Short & Leverage Commodities: Global**

- S&L commodity ETPs are dominated by gold, silver, oil and natural gas, representing 93% of total AUM. Oil is currently the largest commodity ETP with \$3.6 billion in AUM, followed by natural gas with \$739 million in AUM. Gold and silver are the 3<sup>rd</sup> and 4<sup>th</sup> largest commodity ETPs, with \$696 million and \$539 million in AUM, respectively.
- AUM of S&L commodity ETPs reached \$6 billion in December, a 40% increase YTD, as investors turned to S&L ETPs to position opportunistically or hedge their exposures on the back of persistent volatility in commodity
- Contrarian bets from S&L investors in response to crashing commodity prices drove \$725 million in inflows into long ETPs tracking crude oil; cumulative inflows over the past 12 months reached over \$5.2 billion.

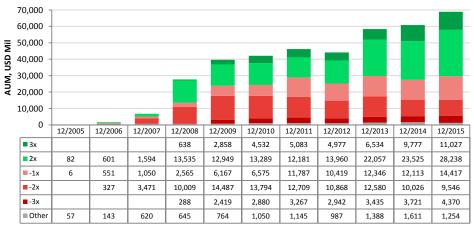
# **Global Growth of S&L ETFs/ETPs**

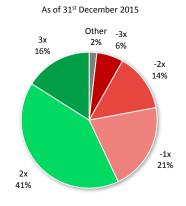


### **AUM and Number of Products**

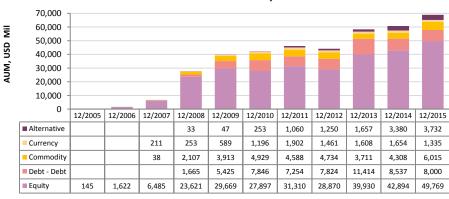


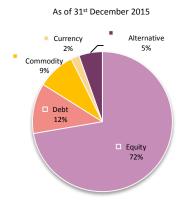
### **AUM by Leverage Factor**



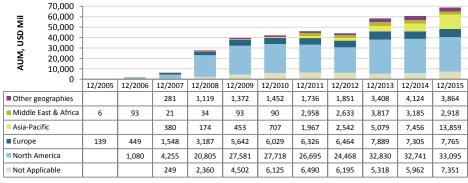


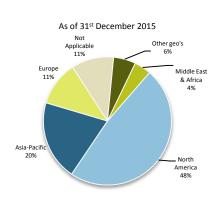
### **AUM by Asset Class**





### **AUM by Geographic Exposure**





# Top S&L ETFs/ETPs



## By Asset Class Focus and ETF/ETP Domicile

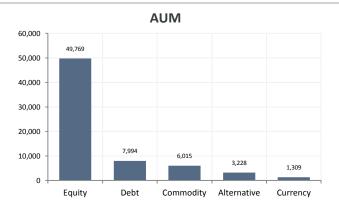
	By AUM	By Past Month's Asset Flows	By YTD Asset Flows
	Showing 15 largest ETPS by AUM	Showing 15 largest asset flows in the past month	Showing 15 largest asset net flows YTD
		Asset	Asset
	ProShares Ultra S&P500 1,957	ETF / ETP Name  Direxion Daily Energy Bull 3X Shares  135	ETF / ETP Name IT Flow
s America	ProShares Short S&P500 1,647	ProShares Ultra S&P500 128	Direxion Daily Gold Miners Index Bull 3X Sha 733  Direxion Daily Energy Bull 3X Shares 469
	Direxion Daily Financial Bull 3X Shares 1,371	Direxion Daily Financial Bull 3X Shares 88	ProShares UltraShort S&P500 445
	ProShares UltraPro QQQ 1,370	Direxion Daily Small Cap Bull 3X Shares 75	ProShares Short S&P500 440
	ProShares UltraShort S&P500 1,367  FI Enhanced Global High Yield ETN 1,265	Direxion Daily S&P 500 Bull 3X 52 ProShares UltraPro QQQ 49	ProShares UltraPro Short QQQ 267
ë z	ProShares Ultra QQQ 1,038	Direxion Daily Russia Bull 3x Shares 48	Direxion Daily Small Cap Bull 3X Shares 213  ProShares UltraPro Short S&P 500 201
Equities ed in N.	ProShares UltraPro S&P 500 1,031	ProShares Ultra Nasdaq Biotechnology -40	ProShares UltraPro Short S&P 500 201  Direxion Daily S&P Biotech Bull 3X Shares 191
Eq	Direxion Daily Small Cap Bull 3X Shares 890	ProShares UltraPro Short S&P 500 -42	ProShares Short MSCI Emerging Markets 175
_ ω	FI Enhanced Large Cap Growth ETN 858  ProShares Ultra Nasdaq Biotechnology 754	Direxion Daily S&P 500 Bear 3X Shares -43 ProShares Short MSCI Emerging Markets -49	Direxion Daily CSI 300 China A Share Bear 1X 167
	ProShares Ultra Financials 751	ProShares UltraPro Short QQQ -54	ETRACS 2xMonthly Leveraged Long Alerian N 152
Domicil	FI Enhanced Europe 50 ETN 729	Direxion Daily Small Cap Bear 3X Shares -91	ProShares Short MSCI EAFE -189 ProShares Ultra QQQ -220
Δ	Direxion Daily Gold Miners Index Bull 3X 643  Direxion Daily S&P 500 Bull 3X 631	ProShares Short S&P500 -109 ProShares UltraShort S&P500 -190	Direxion Daily Small Cap Bear 3X Shares -248
	Director Daily Star 500 Bull 5X	Prosinates offiasitoff sacrood	ProShares Ultra S&P500 -425
	ETF/ETP  IT AUM	The second secon	Asset  ETF / ETP Name   IT   Flow
	LYXOR UCITS ETF DAILY LEVERAGE CAC 40 360	ETF / ETP Name IT Asset Flow  LYXOR UCITS ETF DAILY LEVERAGE CAC 40 113	Amundi ETF Short MSCI USA Daily UCITS ETF 294
۵	Lyxor Daily LevDAX UCITS ETF 353	Lyxor UCITS ETF EURO STOXX 50 Daily Leverage 48	Lyxor UCITS ETF EURO STOXX 50 Daily Leverage 135
s Europe	Lyxor ETF FTSE MIB Daily Leveraged 330	Lyxor ETF FTSE MIB Daily Leveraged 25	Lyxor Daily LevDAX UCITS ETF 100
ž	Lyxor UCITS ETF EURO STOXX 50 Daily Leverage 329  Amundi ETF Short MSCI USA Daily UCITS ETF 317	DNB - ETN Storebrand Bull -20  Lyxor ETF FTSE MIB Daily Double Short XBear -22	Lyxor ETF EURO STOXX 50 Daily Double Short 86
es T	db x-trackers S&P 500 Inverse Daily ETF 294	Xact Derivat BEAR -23	LYXOR UCITS ETF DAILY LEVERAGE CAC 40 70 db x-trackers LevDAX Daily UCITS ETF 68
itie I in	db x-trackers ShortDAX Daily UCITS ETF 278	XACT Bear 2 -24	ComStage ETF NYSE Arca Gold BUGS UCITS ETF 55
Equities Domiciled in E	db x-trackers - EURO STOXX 50 Short Daily ETF 256  Leverage Euro Equities X4 Long EasyTRACKER 131	DNB - ETN Oil Service Bear -29 db x-trackers S&P 500 2x Inverse Daily UCITS ETF -39	Lyxor ETF FTSE MIB Daily Double Short XBear 51
igi m	Lyxor ETF EURO STOXX 50 Daily Double Short 125	Lyxor ETF FTSE MIB Daily Short Bear -41	Lyxor ETF FTSE MIB Daily Short Bear 42 ETFS DAX Daily 2x Long GO UCITS 38
Ξ	db x-trackers LevDAX Daily UCITS ETF 123  XACT Bull 2 120	Amundi ETF Short Euro Stoxx 50 Daily UCITS ETF -51	Lyxor ETF EURO STOXX 50 Daily Short 38
00	XACT Bull 2 120 Lyxor ETF Ibex 35 Doble Apalancado Diario 109	Lyxor ETF CAC 40 Daily Double Short -58  DNB - ETN OBX X3 Bull -63	ComStage ShortMDAX UCITS ETF 38
_	Lyxor ETF FTSE MIB Daily Double Short XBear 99	db x-trackers ShortDAX Daily UCITS ETF -81	DNB - ETN OBX X3 Bull -63
	LYXOR ETF CAC 40 Daily Double Short 98	db x-trackers - EURO STOXX 50 Short Daily UCITS ETF -129	db x-trackers S&P 500 Inverse Daily UCITS ETF -77 Lyxor ETF FTSE MIB Daily Leveraged -94
	ETF/ETP IT AUM	Asset	Asset ETF / ETP Name
_	ProShares UltraShort 20+ Year Treasury 2,546	ETF / ETP Name IT Flow	Direxion Daily 20+ Yr Treasury Bear 3x Shares 150
me America	ProShares Short 20+ Year Treasury 800	ProShares Short High Yield 29	ProShares Short High Yield 149
e	Direxion Daily 20 Year Plus Treasury Bear 3x Shares 498	Direxion Daily 20 Year Plus Treasury Bull 3x  ProShares UltraPro Short 20+ Year Treasury  5	ProShares UltraPro Short 20+ Year Treasury 19
a E	ProShares Short High Yield 215  ProShares UltraShort Lehman 7-10 Year Treasury 190	DB Inverse Japanese Govt Bond Futures Exch -1	Direxion Daily 20 Year Plus Treasury Bull 3x S 13
	ProShares UltraShort Lehman 7-10 Year Treasury 190 ProShares UltraPro Short 20+ Year Treasury 106	ProShares Ultra High Yield -1	Direxion Daily 7-10 Year Treasury Bull 2X Sha -11 ProShares UltraShort TIPS -11
ည် ည	iPath US Treasury 10-year Bear ETN 77	iPath US Treasury Long Bond Bear ETN -2	ProShares Ultra 20+ Year Treasury -15
Fixed In Domiciled in	Direxion Daily 20 Year Plus Treasury Bull 3x Shares 68	DB 3x Inverse Japanese Govt Bond Futures E> -2 iPath US Treasury 10-year Bear ETN -3	DB 3x Inverse Japanese Govt Bond Futures E> -16
og pe	ProShares Ultra 7-10 Year Treasury 45	Direxion Daily 7-10 Year Treasury Bear 3x Sha -5	ProShares Short 7-10 Treasury -22
£ 5	ProShares Ultra 20+ Year Treasury 44  DB 3x Short 25+ Year Treasury Bond Exch; 37	ProShares UltraShort Lehman 7-10 Year Treas -7	DB Inverse Japanese Govt Bond Futures Exch -23  DB 3x Long 25+ Year Treasury Bond Exchange -29
Ĕ	Direxion Daily 7-10 Year Treasury Bear 3x Shares 36	ProShares Ultra 7-10 Year Treasury -8	ProShares Ultra 7-10 Year Treasury -41
ō	ProShares Short 7-10 Treasury 35	ProShares Ultra 20+ Year Treasury -9 ProShares Short 20+ Year Treasury -27	ProShares UltraShort Lehman 7-10 Year Treasury -76
	iPath US Treasury Long Bond Bear ETN 29	Direxion Daily 20 Year Plus Treasury Bear 3x -47	ProShares Short 20+ Year Treasury -235
	DB 3x Inverse Japanese Govt Bond Futura 26	ProShares UltraShort 20+ Year Treasury -162	ProShares UltraShort 20+ Year Treasury -279 -279
	ETF/ETP IT AUM	Asset	Asset  ETF / ETP Name IT Flow
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ome Europe	db x-trackers Short iBoxx Euro Sovereigns 177	db x-trackers II US TREASURIES SHORT DAILY UCITS ETF 2	db x-trackers Short iBoxx Euro Sovereigns 40  LYXOR UCITS ETF DAILY DOUBLE SHORT 10Y U: 16
ne ur	Amundi ETF Short US Treasury 7-10 Daily 90	db x-trackers II iTraxx Crossover Short Daily 1	db x-trackers II iTraxx Crossover Short Daily L 11
	LYXOR UCITS ETF DAILY DOUBLE SHORT 10 65	Boost Bund 10Y 3x Short Daily ETP -1	db x-trackers II-lboxx Euro High Yield Bond SI 8
ī ī	ComStage ETF Commerzbank Bund-Futur 61 db x-trackers II iTraxx Crossover Short Daily 39	Boost BTP 10Y 3x Leverage Daily ETP -1  Lyxor UCITS ETF Daily Double Short BTP -1	Coba ETN -15x BUNDF Daily Short 7
Fixed Income niciled in Euro	Lyxor UCITS ETF Daily Leveraged Bund 17	Amundi ETF Short Govt Bond Eur -4	Lyxor UCITS ETF Daily Leveraged Bund 7  AMUNDI ETF SHORT GOVT BOND EUROMTS B 6
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<u>.× .∪</u>	Lyxor UCITS ETF Daily Leveraged BTP 15	db x-trackers Short iBoxx Euro Sovereigns -4	db x-trackers II iTraxx Crossover 2x Daily UCI1 -5
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Fix Domic	Boost US Treasuries 10Y 3x Short Daily ETI 15 db x-trackers II - UK Gilts Short Daily UCIT 13	Lyxor UCITS ETF Daily Double Short Bund -4 Lyxor UCITS ETF Daily Leveraged Bund -4 Boost US Treasuries 10Y 3x Short Daily ETP -6 db x-trackers II iTraxx Europe Short Daily UCI' -7 Amundi ETF Short US Treasury 7-10 Daily UCI' -14	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9
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Dor	Boost US Treasuries 10Y 3x Short Daily ETI 15 db x-trackers II - UK Gilts Short Daily UCIT 13 Amundi ETF Short Govt Bond Eur 10 db x-trackers II US TREASURIES SHORT DAILY UCITS ETF 10 AMUNDI ETF SHORT GOVT BOND EUROM 10  ETF / ETP	Lyxor UCITS ETF Daily Double Short Bund Lyxor UCITS ETF Daily Leveraged Bund Boost US Treasuries 10Y 3x Short Daily ETP 6 db x-trackers II iTraxx Europe Short Daily UCI 7 Amundi ETF Short US Treasury 7-10 Daily UCI 1-14 ComStage Commerzbank Bund-Future Short 38  Asset ETF / ETP Name VelocityShares 3x Long Crude ETN NEXT NOTES Nikkei TOCOM Leveraged Crude TYA ProShares Ultra Bloomberg Crude 0il DB Crude Oil Double Short Exchange Traded 64	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9 ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -21 Amundi ETF Short US Treasury 7-10 Daily UCI -27  Asset  ETF / ETP Name VelocityShares 3x Long Crude ETN 2,295 ProShares Ultra Bloomberg Crude Oil 1,228  NEXT NOTES Nikkei TOCOM Leveraged Crude Oil ETN 937 VelocityShares 3x Long Natural Gas ETN 760
Dor	Boost US Treasuries 10Y 3x Short Daily ETI 15 db x-trackers II - UK Gilts Short Daily UCIT 13 Amundi ETF Short Govt Bond Eur 10 db x-trackers II US TREASURIES SHORT DAILY UCITS ETF 10 AMUNDI ETF SHORT GOVT BOND EUROM 10  ETF / ETP	Lyxor UCITS ETF Daily Double Short Bund Lyxor UCITS ETF Daily Leveraged Bund Boost US Treasuries 10Y 3x Short Daily ETP 6 db x-trackers II iTraxx Europe Short Daily UCI -7 Amundi ETF Short US Treasury 7-10 Daily UCI -14 ComStage Commerzbank Bund-Future Short -38  Asset ETF / ETP Name VelocityShares 3x Long Crude ETN 294 NEXT NOTES Nikkei TOCOM Leveraged Crude 174 ProShares Ultra Bloomberg Crude Oil 169 DB Crude Oil Double Short Exchange Traded 64 VelocityShares 3x Inverse Natural Gas ETN 61	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9 ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -21 Amundi ETF Short US Treasury 7-10 Daily UCI -27  Asset  ETF / ETP Name VelocityShares 3x Long Crude ETN 2,295 ProShares Ultra Bloomberg Crude Oil 1,228 NEXT NOTES Nikkei TOCOMLeveraged Crude Oil ETN 937 VelocityShares 3x Long Natural Gas ETN 760 Boost WTI Oil 3x Leverage Daily ETP 332
Dor	Boost US Treasuries 10Y 3x Short Daily ET  15   15   16   15   17   18   19   19   19   19   19   19   19	Lyxor UCITS ETF Daily Double Short Bund Lyxor UCITS ETF Daily Leveraged Bund Boost US Treasuries 107 3x Short Daily ETP 6b x-trackers II iTraxx Europe Short Daily UCI -7 Amundi ETF Short US Treasury 7-10 Daily UCI -14 ComStage Commerzbank Bund-Future Short -38  Asset  ETF / ETP Name VelocityShares 3x Long Crude ETN 294 NEXT NOTES Nikkei TOCOM Leveraged Crude 174 ProShares Ultra Bloomberg Crude Oil 169 DB Crude Oil Double Short Exchange Traded 64 VelocityShares 3x Inverse Natural Gas ETN 61 Boost WTI Oil 3x Leverage Daily ETP 54	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9 ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -21 Amundi ETF Short US Treasury 7-10 Daily UCI -27  Asset  ETF / ETP Name IT Flow  VelocityShares 3x Long Crude ETN 2,295 ProShares Ultra Bloomberg Crude Oil 1,228 NEXT NOTES Nikkei TOCOM Leveraged Crude Oil ETN 937 VelocityShares 3x Long Natural Gas ETN 760 Boost WTI Oil 3x Leverage Daily ETP 332 Horizons BetaPro NYMEX Crude Oil Bull Plus ETF 221
Dor	Boost US Treasuries 10Y 3x Short Daily ET  15	Lyxor UCITS ETF Daily Double Short Bund Lyxor UCITS ETF Daily Leveraged Bund -4 Boost US Treasuries 10Y 3x Short Daily ETP -6 db x-trackers II iTraxx Europe Short Daily UCI' -7 Amundi ETF Short US Treasury 7-10 Daily UCI' -14 ComStage Commerzbank Bund-Future Short -38  Asset ETF / ETP Name VelocityShares 3x Long Crude ETN VelocityShares 3x Long Crude ETN ProShares Ultra Bloomberg Crude Oil DB Crude Oil Double Short Exchange Traded VelocityShares 3x Inverse Natural Gas ETN Boost WTI Oil 3x Leverage Daily ETP 54 DNB - ETN Brent Bull 36	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9 ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -21 Amundi ETF Short US Treasury 7-10 Daily UCI -27  Asset  ETF / ETP Name   T   Flow  VelocityShares 3x Long Crude ETN   2,295 ProShares Ultra Bloomberg Crude Oil   1,228 NEXT NOTES Nikkei TOCOMLeveraged Crude Oil ETN   937 VelocityShares 3x Long Natural Gas ETN   760 Boost WTI Oil 3x Leverage Daily ETP   332 Horizons BetaPro NYMEX Crude Oil Bull Plus ETF   221 ETFS Daily Leveraged WTI Crude Oil   199
Dor	Boost US Treasuries 10Y 3x Short Daily ETI 15   db x-trackers II - UK Gilts Short Daily UCIT 13   Amundi ETF Short Govt Bond Eur 10   db x-trackers II US TREASURIES SHORT DAILY UCITS ETF 10   AMUNDI ETF SHORT GOVT BOND EUROM 10   ETF / ETP	Lyxor UCITS ETF Daily Double Short Bund Lyxor UCITS ETF Daily Leveraged Bund Boost US Treasuries 10Y 3x Short Daily ETP 6 db x-trackers II iTraxx Europe Short Daily UCI -7 Amundi ETF Short US Treasury 7-10 Daily UCI -14 ComStage Commerzbank Bund-Future Short -38  Asset ETF / ETP Name VelocityShares 3x Long Crude ETN 294 NEXT NOTES Nikkei TOCOM Leveraged Crude 174 ProShares Ultra Bloomberg Crude Oil 169 DB Crude Oil Double Short Exchange Traded 64 VelocityShares 3x Inverse Natural Gas ETN 61 Boost WTI Oil 3x Leverage Daily ETP 54 DNB - ETN Brent Bull 36	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9 ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -21 Amundi ETF Short US Treasury 7-10 Daily UCI -27  Asset  ETF / ETP Name IT Flow  VelocityShares 3x Long Crude ETN 2,295 ProShares Ultra Bloomberg Crude Oil 1,228 NEXT NOTES Nikkei TOCOM Leveraged Crude Oil ETN 937 VelocityShares 3x Long Natural Gas ETN 760 Boost WTI Oil 3x Leverage Daily ETP 332 Horizons BetaPro NYMEX Crude Oil Bull Plus ETF 221
Dor	Boost US Treasuries 10Y 3x Short Daily ET  15	Lyxor UCITS ETF Daily Double Short Bund Lyxor UCITS ETF Daily Leveraged Bund Boost US Treasuries 107 3x Short Daily ETP 6 db x-trackers II iTraxx Europe Short Daily UCI -7 Amundi ETF Short US Treasury 7-10 Daily UCI -14 ComStage Commerzbank Bund-Future Short -38    Asset   Flow   Flow	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9 ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -21 Amundi ETF Short US Treasury 7-10 Daily UCI -27  Asset  ETF / ETP Name
Commodities Fix	Boost US Treasuries 10Y 3x Short Daily ETI 15 db x-trackers II - UK Gilts Short Daily UCIT 13 Amundi ETF Short Govt Bond Eur 10 db x-trackers II US TREASURIES HORT DAILY UCITS ETF 10 AMUNDI ETF SHORT GOVT BOND EUROM 10 ETF SHORT	Lyxor UCITS ETF Daily Double Short Bund Lyxor UCITS ETF Daily Leveraged Bund Boost US Treasuries 10Y 3x Short Daily ETP 6 db x-trackers II iTraxx Europe Short Daily UCI -7 Amundi ETF Short US Treasury 7-10 Daily UCI -14 ComStage Commerzbank Bund-Future Short -38  Asset ETF / ETP Name VelocityShares 3x Long Crude ETN 294 NEXT NOTES Nikkei TOCOM Leveraged Crude 174 ProShares Ultra Bloomberg Crude Oil 169 DB Crude Oil Double Short Exchange Traded 64 VelocityShares 3x Inverse Natural Gas ETN 61 Boost WTI Oil 3x Leverage Daily ETP 54 DNB - ETN Brent Bull 36 ETFS Daily Leveraged WTI Crude Oil 35 DB Gold Double Short Exchange Traded Note 26 DB Gold Double Short Exchange Traded Note 26 DB Gold Double Long Exchange Traded Note 21 Boost WTI Oil 3x Short Daily ETP -20	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9 ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -21 Amundi ETF Short US Treasury 7-10 Daily UCI -27  Asset ETF / ETP Name   IT   Flow VelocityShares 3x Long Crude ETN 2,295 ProShares Ultra Bloomberg Crude Oil 1,228 NEXT NOTES Nikkei TOCOMLeveraged Crude Oil ETN 937 VelocityShares 3x Long Natural Gas ETN 760 Boost WTI Oil 3x Leverage Daily ETP 332 Horizons BetaPro NYMEX Crude Oil Bull Plus ETF 221 ETFS Daily Leveraged WTI Crude Oil 199 Horizons BetaPro NYMEX Natural Gas Bull Plus ETF 86 Boost Natural Gas 3x Leverage Daily ETP 86 VelocityShares 3x Long Silver ETN 73 SG ETC WTI Oil +3X Daily Leveraged Collateralized 61
Dor	Boost US Treasuries 10Y 3x Short Daily ETI 15   db x-trackers II - UK Gilts Short Daily UCIT 13   Amundi ETF Short Govt Bond Eur 10   db x-trackers II US TREASURIES SHORT DAILY UCITS ETF 10   AMUNDI ETF SHORT GOVT BOND EUROM 10   ETF / ETP	Lyxor UCITS ETF Daily Double Short Bund Lyxor UCITS ETF Daily Leveraged Bund Boost US Treasuries 107 3x Short Daily ETP 6 db x-trackers II iTraxx Europe Short Daily UCI -7 Amundi ETF Short US Treasury 7-10 Daily UCI -14 ComStage Commerzbank Bund-Future Short -38    Asset   Flow   Flow	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9 ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -21 Amundi ETF Short US Treasury 7-10 Daily UCI -27  Asset  ETF / ETP Name
Dor	Boost US Treasuries 10Y 3x Short Daily ETI 15 db x-trackers II - UK Gilts Short Daily UCIT 13 Amundi ETF Short Govt Bond Eur 10 db x-trackers II US TREASURIES HORT DAILY UCITS ETF 10 AMUNDI ETF SHORT GOVT BOND EUROM 10 ETF SHORT	Lyxor UCITS ETF Daily Double Short Bund Lyxor UCITS ETF Daily Leveraged Bund -4 Boost US Treasuries 10Y 3x Short Daily ETP -6 db x-trackers II iTraxx Europe Short Daily UCI' -7 Amundi ETF Short US Treasury 7-10 Daily UCI' -14 ComStage Commerzbank Bund-Future Short -38	db x-trackers II US TREASURIES DOUBLE SHOR -7 db x-trackers II iTraxx Europe Short Daily UCI -9 ComStage ETF Commerzbank Bund-Future Le -16 Lyxor UCITS ETF Daily Double Short BTP -21 Amundi ETF Short US Treasury 7-10 Daily UCI -27  Asset ETF / ETP Name   IT   Flow VelocityShares 3x Long Crude ETN 2,295 ProShares Ultra Bloomberg Crude Oil 1,228 NEXT NOTES Nikkei TOCOMLeveraged Crude Oil ETN 937 VelocityShares 3x Long Natural Gas ETN 760 Boost WTI Oil 3x Leverage Daily ETP 332 Horizons BetaPro NYMEX Crude Oil Bull Plus ETF 221 ETFS Daily Leveraged WTI Crude Oil 199 Horizons BetaPro NYMEX Natural Gas Bull Plus ETF 86 Boost Natural Gas 3x Leverage Daily ETP 86 VelocityShares 3x Long Silver ETN 73 SG ETC WTI Oil +3X Daily Leveraged Collateralized 61

# **Global Asset Allocation**

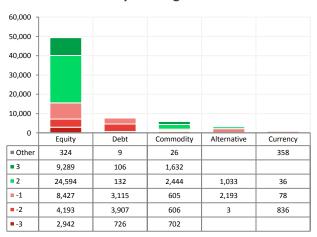


### **Current Allocations**

As of 31st December 2015; Figures in USD Mil.

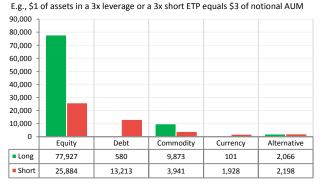


### **AUM by Leverage Factor**



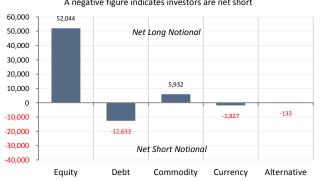
### **Notional AUM**

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



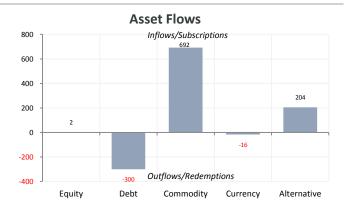
### **Net Position**

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

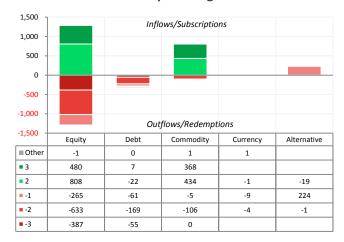


### **December 2015 Flows**

Over December 2015; Figures in USD Mil.

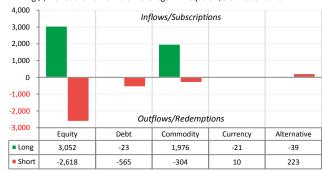


### **Asset Flows by Leverage Factor**



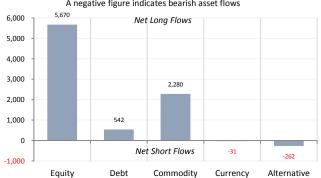
### **Notional Flows**

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



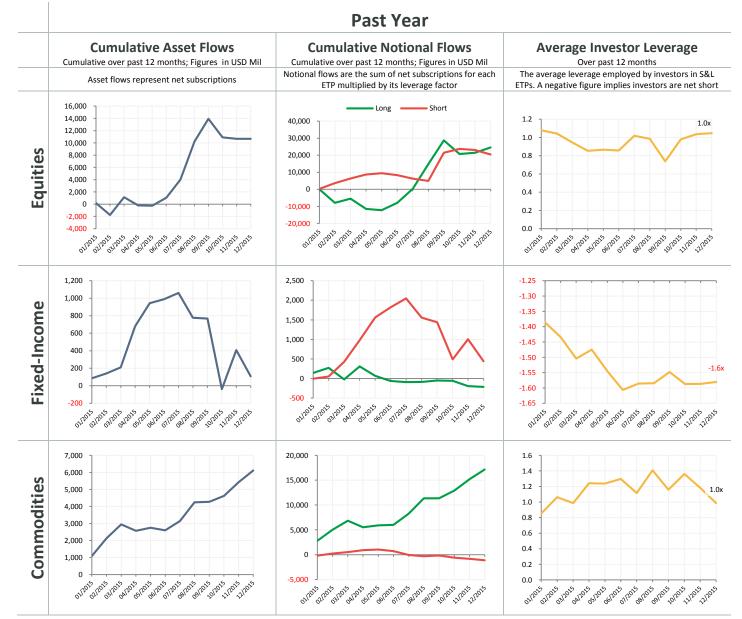
### **Net Position Flows**

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



# **Global Asset Allocation**



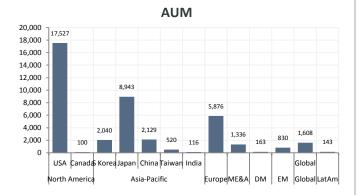




### **ETPs Focused on Any Country or Region**

### **Current Allocations**

By Geographic Exposure; As of 31st December 2015; Figures in USD Mil.



### **AUM by Leverage Factor**

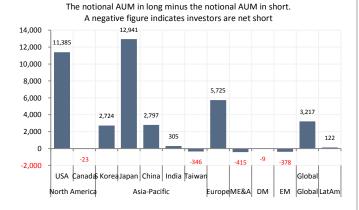


### **Notional AUM**

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

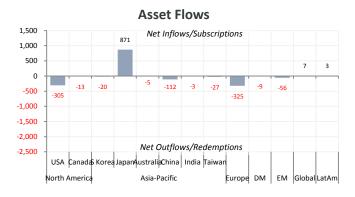


### **Net Position**



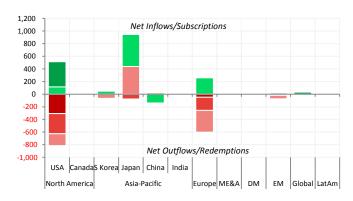
### **December 2015 Flows**

By Geographic Exposure; During December 2015; Figures in USD Mil



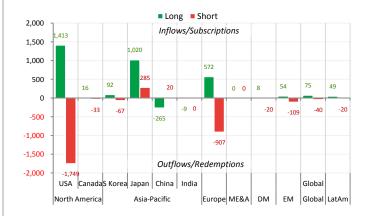
### **Asset Flows by Leverage Factor**





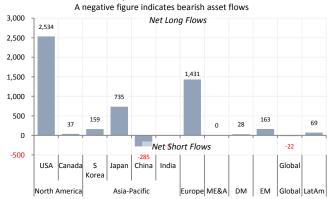
### **Notional Flows**

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**

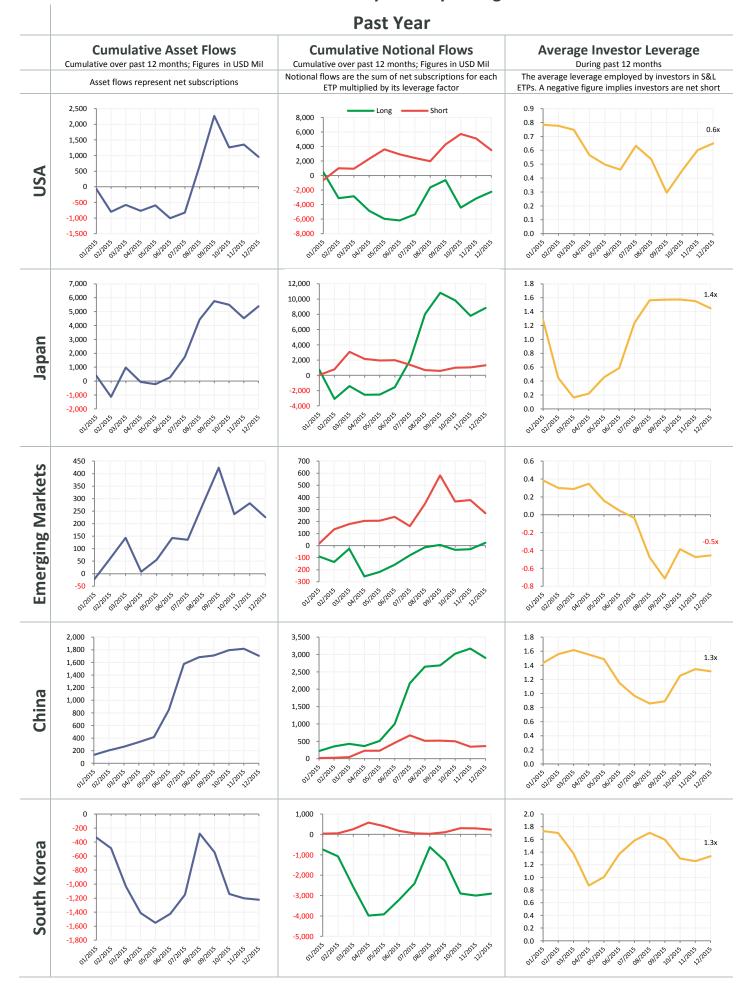
The notional flow in long ETPs minus the notional flow in short ETPs.



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



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





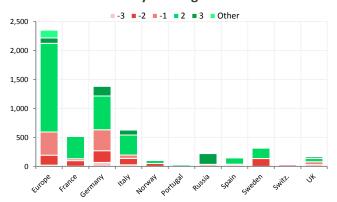
### **ETPs Focused on European Countries or Europe**

### **Current Allocations**

By Geographic Exposure; As of 31st December 2015; Figures in USD Mil.

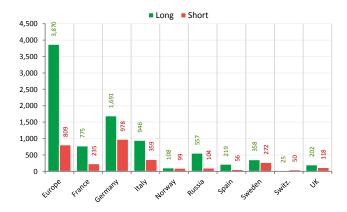
# AUM Showing countries with AUM above \$10mm 2,500 2,000 1,500 1,000 520 626 500 102 25 220 147 37 167 37 167

### **AUM by Leverage Factor**

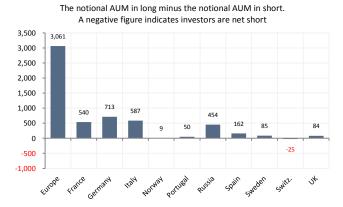


### **Notional AUM**

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

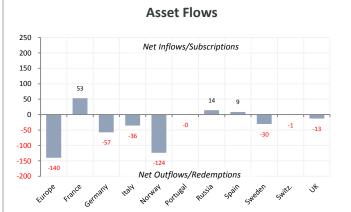


### **Net Position**

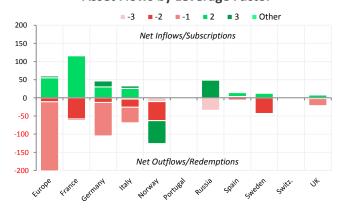


### **December 2015 Flows**

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

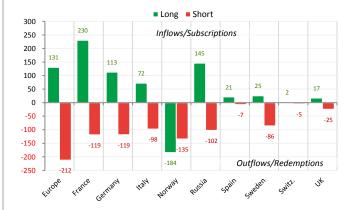


### **Asset Flows by Leverage Factor**



### **Notional Flows**

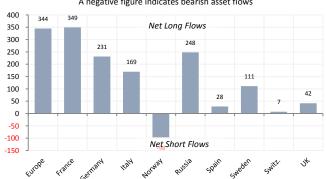
The net subscriptions for each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of outflows from a 3x leverage ETP equals -\$3 of notional flow



### **Net Position Flows**

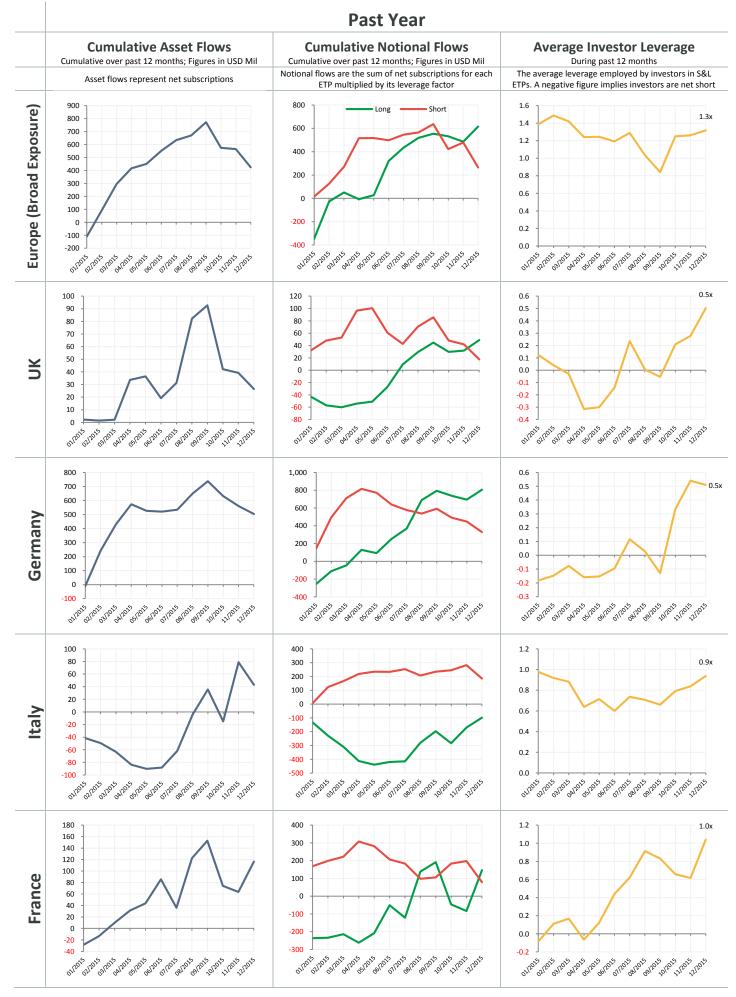
The notional flow in long ETPs minus the notional flow in short ETPs.

A negative figure indicates bearish asset flows



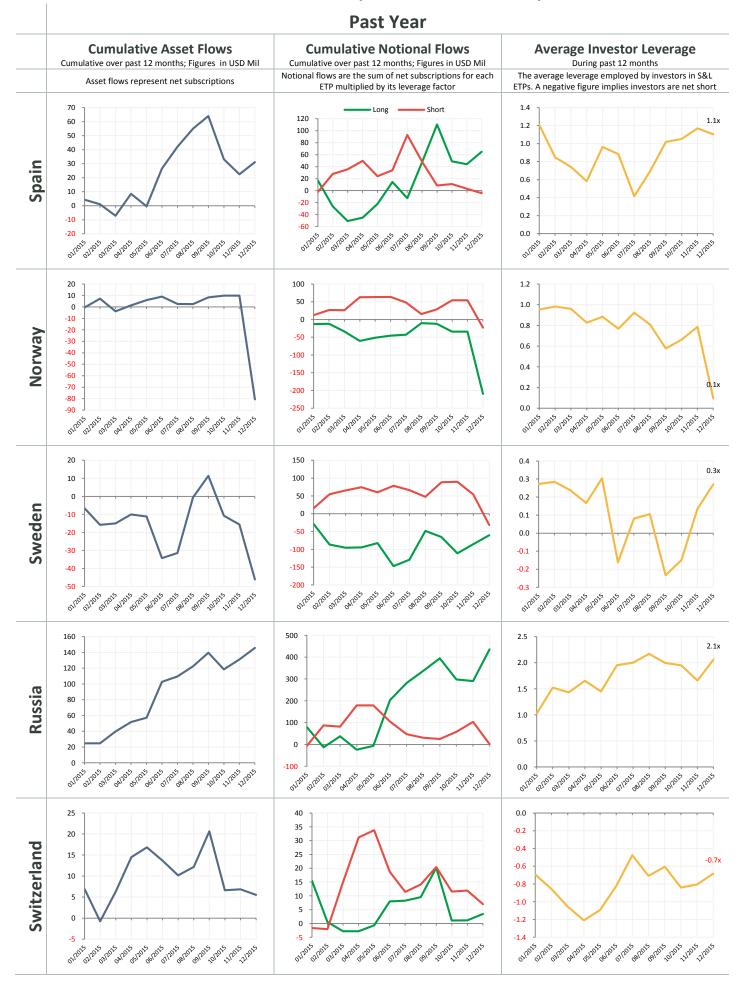
**\*\*** +44 (0) 20 3207 9050

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





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



# **Short & Leveraged Govt. Debt**



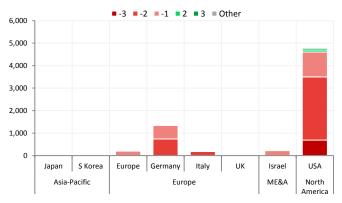
### Global

### **Current Allocations**

By Geographic Exposure; As of 31st December 2015; Figures in USD Mil.

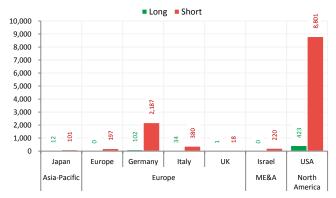
### MUA Showing countries with AUM above \$10mm 6,000 4,778 5,000 4,000 3,000 2,000 1,000 197 220 203 16 0 USA North Asia-Pacific Europe ME&A

### **AUM by Leverage Factor**

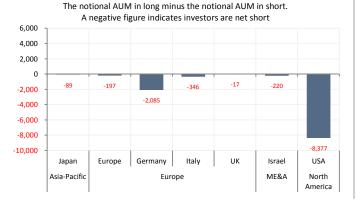


### **Notional AUM**

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



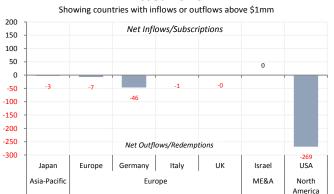
### **Net Position**



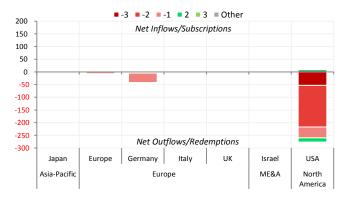
### **December 2015 Flows**

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

### **Asset Flows**

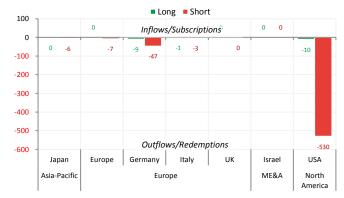


### **Asset Flows by Leverage Factor**



### **Notional Flows**

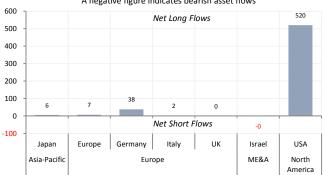
The net subscriptions for each ETP multiplied by the absolute value of its leverage factor. E.g., \$1 of outflows from a 3x leverage ETP equals -\$3 of notional flow



### **Net Position Flows**

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

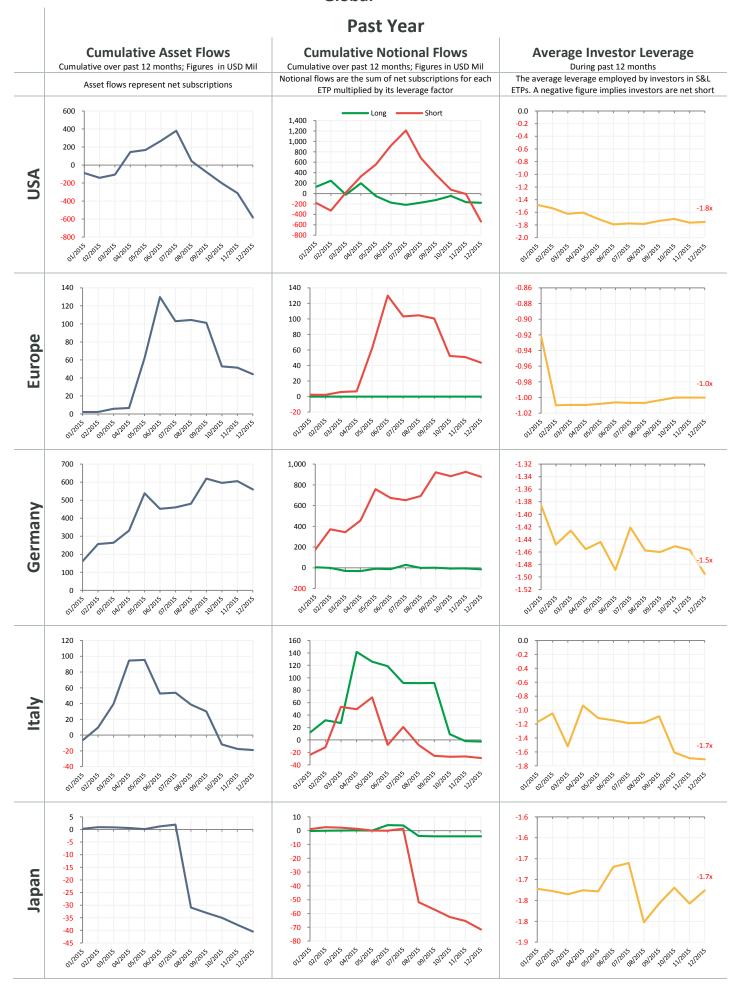
A negative figure indicates bearish asset flows



# **Short & Leveraged Govt. Debt**



### Global



# **Short & Leveraged Commodities B boost**

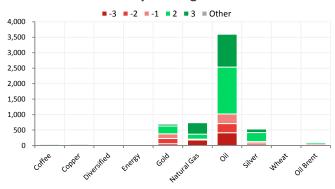


### **Current Allocations**

By commodity exposure; As of 31st December 2015; Figures in USD Mil; Showing the top 10 AUM commodity exposures

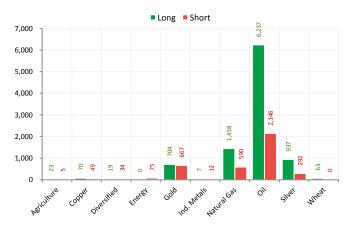
# Showing commodity exposures with the top 10 AUMs 4,000 3,500 3.000 2.500 2,000 1,000 500

### **AUM by Leverage Factor**

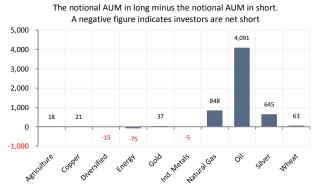


### **Notional AUM**

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



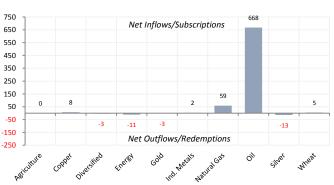
### **Net Position**



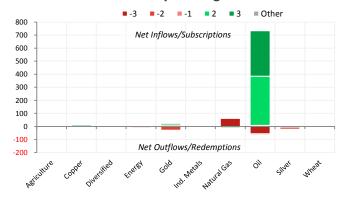
### **December 2015 Flows**

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

### **Asset Flows**

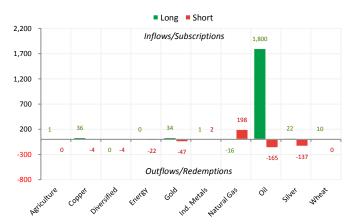


### **Asset Flows by Leverage Factor**



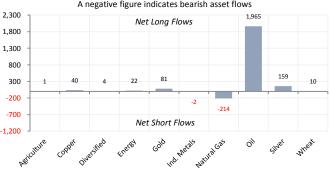
### **Notional Flows**

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**

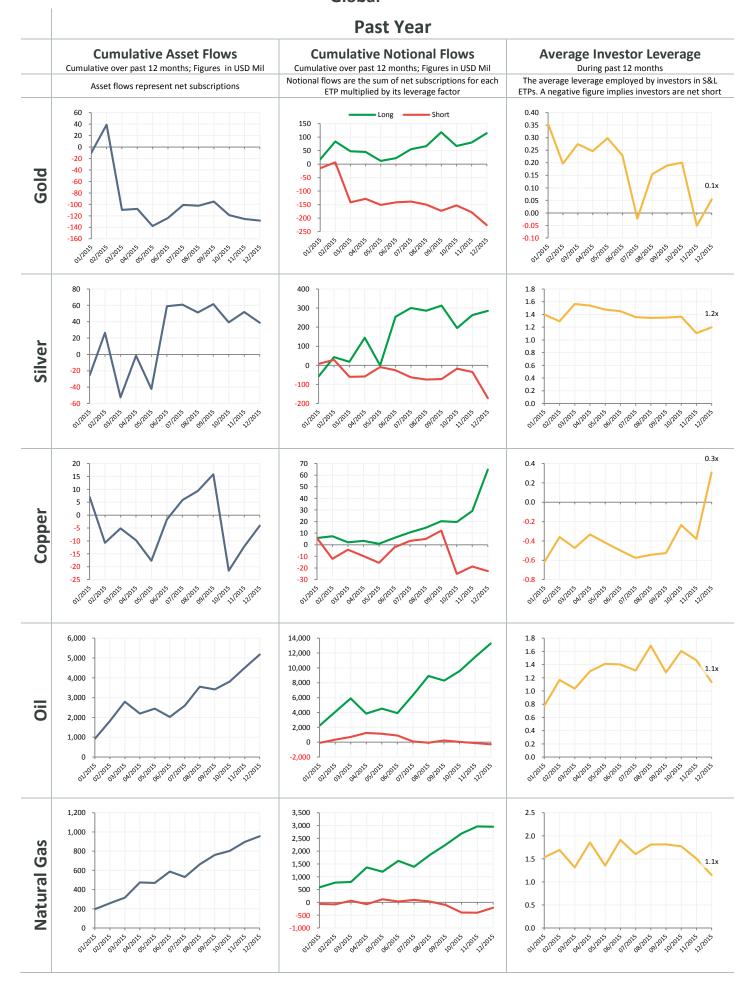
The notional flow in long ETPs minus the notional flow in short ETPs. A negative figure indicates bearish asset flows



# **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 31<sup>st</sup> December 2015. All figures are denominated in USD.

### **Boost Resources**



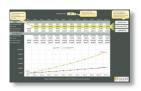
### **Educational Resources**

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...

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### 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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