



warrants and certificates

Activity report

Issue 101
December 2019

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	Euronext Amsterdam	Euronext Brussels	Euronext Lisbon	Euronext Paris	Euronext
Live products (on 31/12/2019)	25,501	806	1,462	49,909	77,677
New Products	4,998	156	392	9,879	15,425
New Products YTD	74,630	2,331	4,700	178,534	260,195
Value Traded (in €m)	340.4	12.3	110.4	238.7	701.8
Value Traded YTD (in €m)	4,633.9	164.9	1,348.6	3,150.7	9,298.1
Value Traded ADV (in €m)	17.0	0.6	5.5	11.9	35.1
Value Traded YTD ADV (in €m)	18.2	0.6	5.3	12.4	36.5
Number of Trades	123,307	4,034	8,012	90,121	225,474
Number of Trades YTD	1,838,334	55,345	112,639	1,202,751	3,209,069
Number of Trades ADV	6,165	202	401	4,506	11,274
Number of Trades YTD ADV	7,209	217	442	4,717	12,585

(Source Euronext)

PARIS REAL ESTATE FUTURES CONTRACT



EURONEXT FUTURES CONTRACT ON PARIS RESIDENTIAL REAL ESTATE

Euronext's futures contract on real estate proposes an innovative, alternative solution for investors seeking exposure to the Paris real estate market without the constraints of physical investment.

The contract is based on the PARISSQM index, a new reference price for Paris Residential Real Estate, created by Compass Financial Technologies and Kalstone, which has been live since May 2018.

Based solely on real transaction data, the index is published every two weeks with a six-week lag and quoted in euro per square metre.

The Compass Kalstone Paris Residential Property Index has been designed to provide a responsive and consistent benchmark for typical transacted prices in the residential real estate market.

ABOUT THE INDEX

- The first investable benchmark to replicate the evolution of Paris real estate housing prices
- Based on a proprietary methodology using central tendency, stratification and noise filtering techniques
- Published every two weeks with a lag of six weeks. Index value represents the observed transacted price per square metre over the specific two-week period.
- The first pure proxy index (per square metre in euro) for the residential real estate market in Paris; based on real transaction data reported by the Paris Notaires Services*
- More than 10 years data history collected and price evolution available on Bloomberg and Reuters.
- Compass Kalstone is a complementary partnership between financial indices expert Compass and real estate and finance solution provider Kalstone.

BENEFITS OF THE PARIS REAL ESTATE FUTURES CONTRACT FOR USERS:

- Develop a flexible and efficient strategy to diversify property or trading portfolios.
- Hedge portfolio price risks with real estate futures
- The index reflects exact actual transactions, allowing investors to have accurate exposure to the real estate market, in a price per square metre
- Counterparty risk mitigation through LCH SA
- Cost efficiency: eliminates the constraints of a physical investment (no public notary required) and much lower capital requirements
- Transparency and liquidity: real-time quotation throughout market opening hours
- Financial leverage and flexibility
- Benefit from movements in housing prices

Find out more

To find out more about the Paris real estate futures contract, contact the Euronext Commodities team at:

commodities@euronext.com

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* All property transactions in France must be made through a 'notaire', a legal specialist who is a public official acting on behalf of the French state.



Euronext Markets

ISSUERS

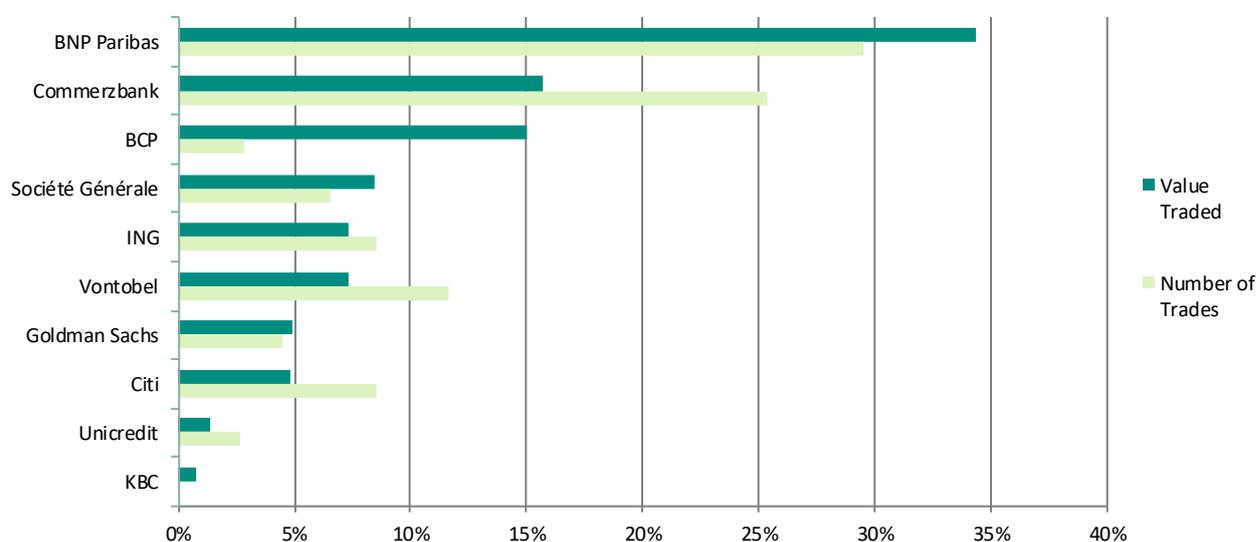
Market Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of all Euronext markets.

The chart at the bottom of the page represents the weight of each issuer in terms of value traded and number of trades.

Issuers	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
BNP Paribas	12,065	0.9%	-0.3%	34.4%	3,326	1.4%	-8.2%	29.5%
Commerzbank	5,508	-5.4%	-11.4%	15.7%	2,857	0.7%	-3.3%	25.3%
BCP	5,278	-22%	5.5%	15.0%	317	-32.7%	-4.1%	2.8%
Société Générale	2,964	14.7%	10.3%	8.4%	743	8.8%	-20.4%	6.6%
ING	2,582	25%	-14.1%	7.4%	960	3.7%	-10.4%	8.5%
Vontobel	2,567	-5.9%	13.1%	7.3%	1,310	10.1%	1.2%	11.6%
Goldman Sachs	1,708	16.0%	-28%	4.9%	501	9.7%	-41.5%	4.4%
Citi	1,693	2.0%	-23%	4.8%	963	-7.8%	-23.7%	8.5%
Unicredit	464	9.2%	19.7%	1.3%	296	-4.5%	14.2%	2.6%
KBC	261	-52%	4.9%	0.7%	0.5	-87.2%	-71.3%	0.0%
Total	35,090	-2.6%	-3.8%	100%	11,274	0.6%	-10.4%	100%

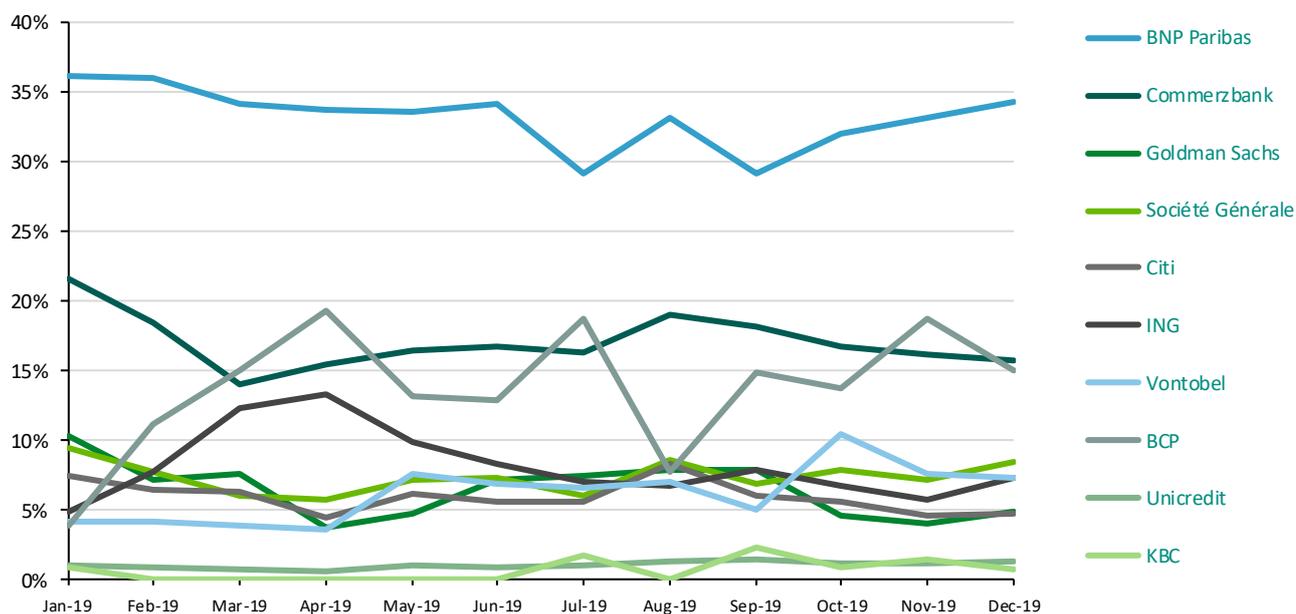
(Source Euronext)



ISSUERS

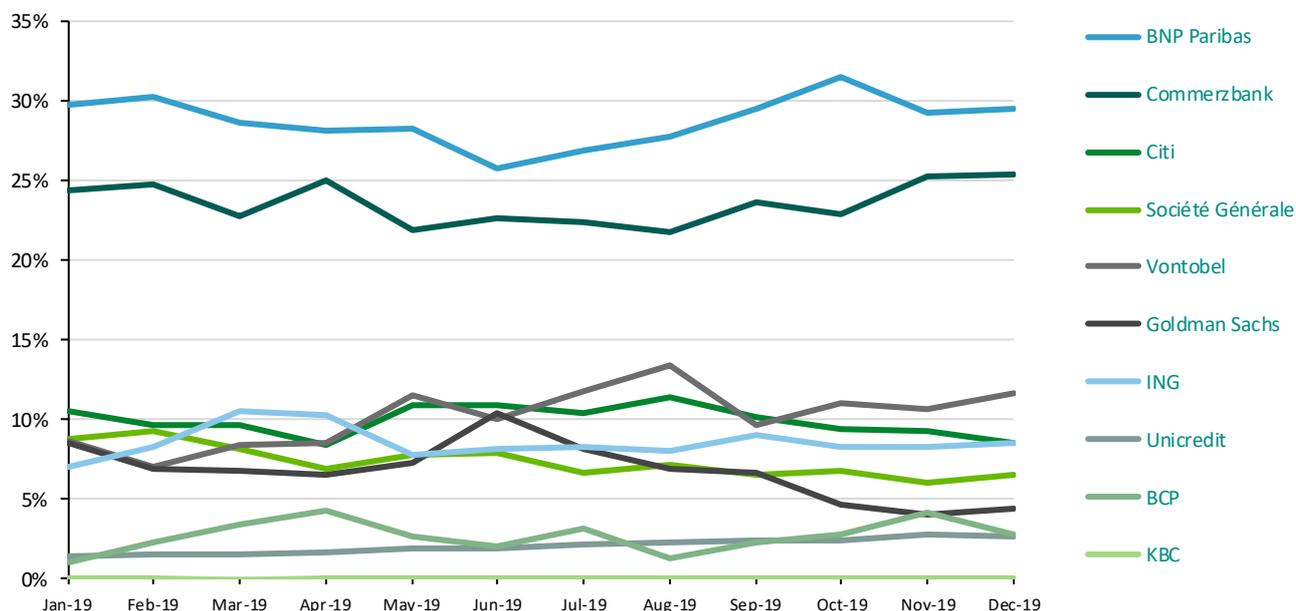
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each issuer over the total value traded across all Euronext markets.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades for each issuer over the total number of trades across all Euronext markets.



ISSUERS

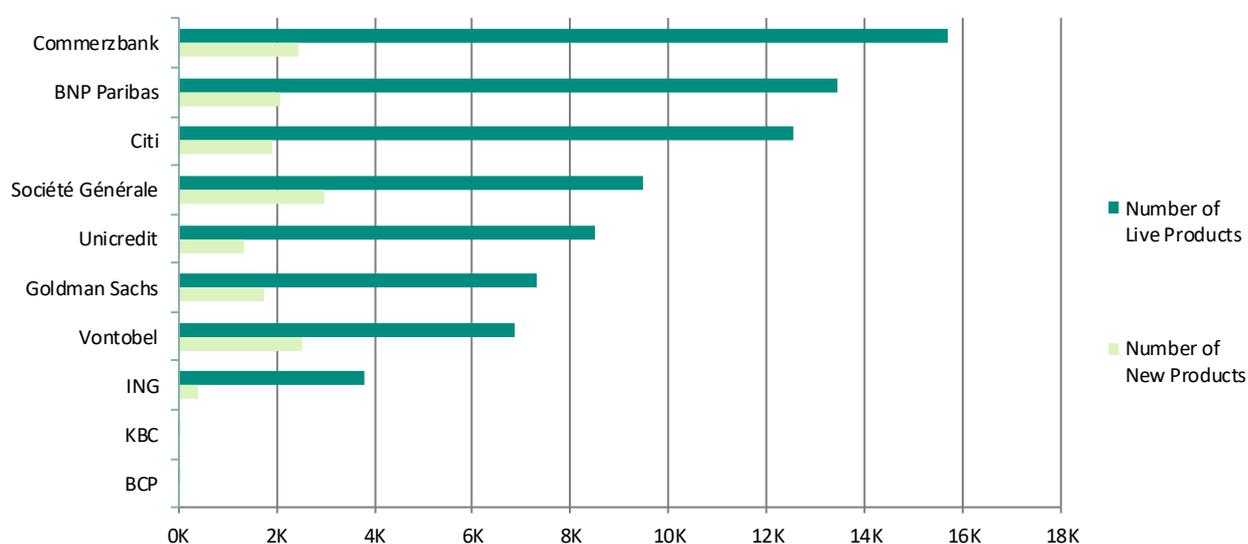
Product Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of all Euronext markets.

The chart at the bottom of the page represents the number of live products and number of new products for each issuer.

Issuers	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Commerzbank	15,704	-2.1%	2.1%	20.2%	2,452	-29%	-23%	15.9%
BNP Paribas	13,443	-11.4%	-4.0%	17.3%	2,071	-32%	-40%	13.4%
Citi	12,533	-6.0%	1.4%	16.1%	1,907	-31%	-46%	12.4%
Société Générale	9,497	-3.0%	-8.2%	12.2%	2,962	6.6%	-14.4%	19.2%
Unicredit	8,482	-12.1%	-1.8%	10.9%	1,356	-37%	-40%	8.8%
Goldman Sachs	7,310	-7.6%	17.9%	9.4%	1,753	-7.3%	-18.8%	11.4%
Vontobel	6,876	2.1%	14.7%	8.9%	2,507	-21%	-21%	16.3%
ING	3,784	-3.4%	11.7%	4.9%	413	-35%	-16.0%	2.7%
KBC	28	-7.4%	7.0%	0.0%	4	33%	92%	0.0%
BCP	21	-5.8%	-5.7%	0.0%	0			0.0%
Total	77,677	-6.0%	1.7%	100%	15,425	-22.6%	-28.9%	100%

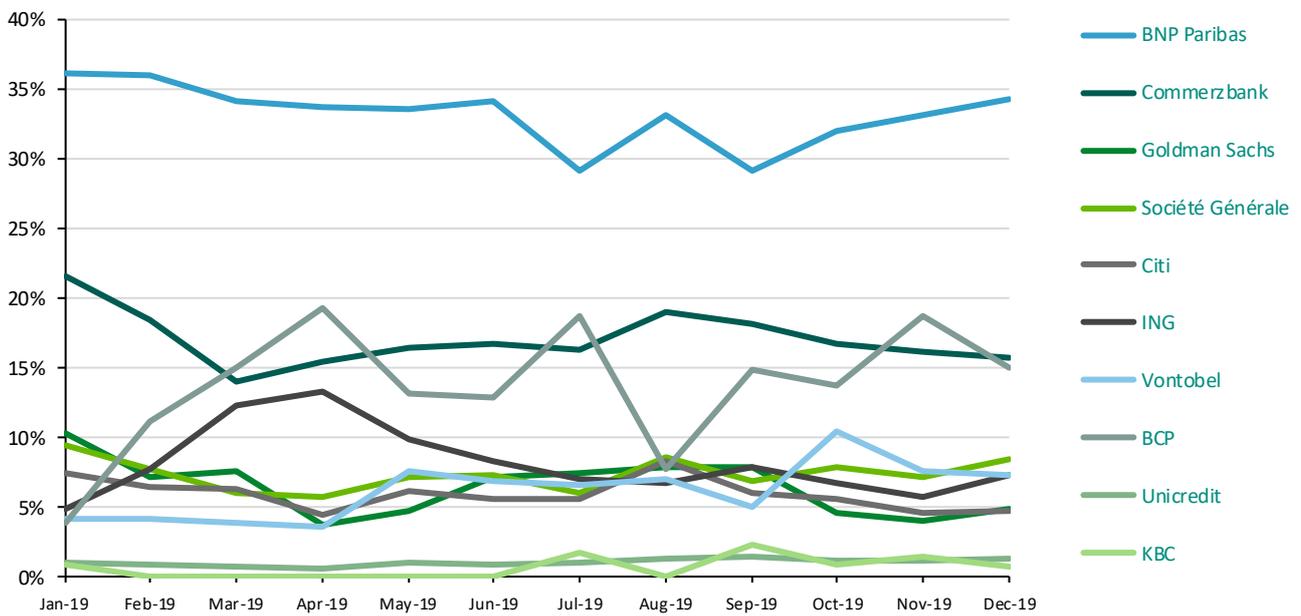
(Source Euronext)



ISSUERS

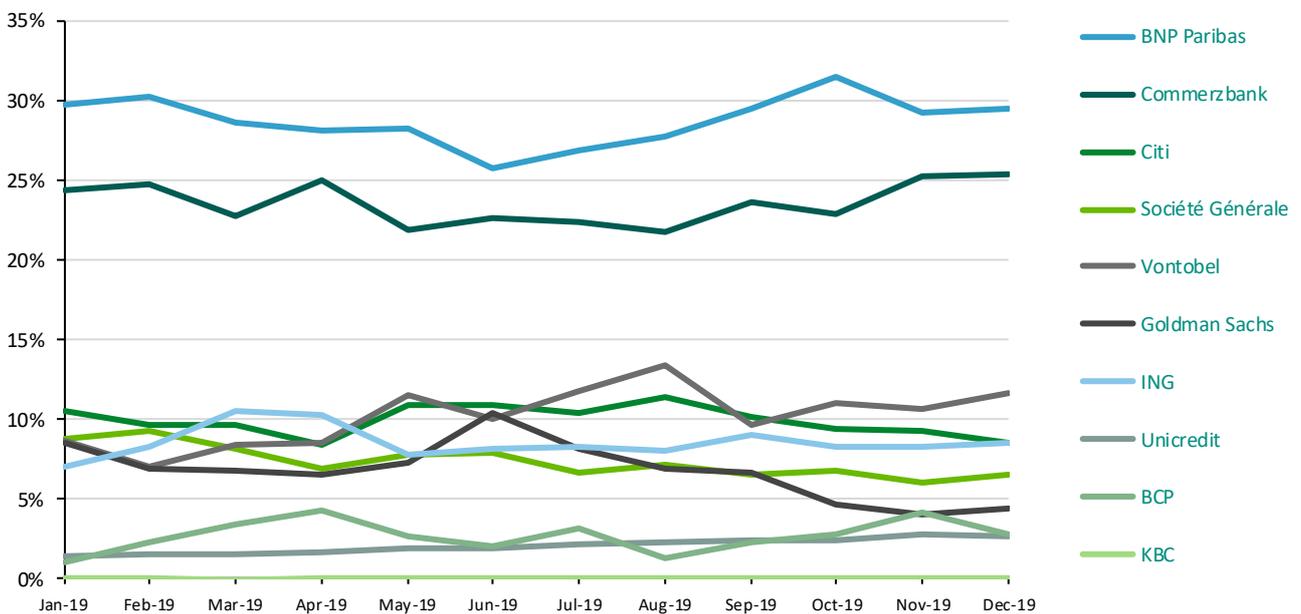
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each issuer across all Euronext markets.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each issuer across all Euronext markets.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

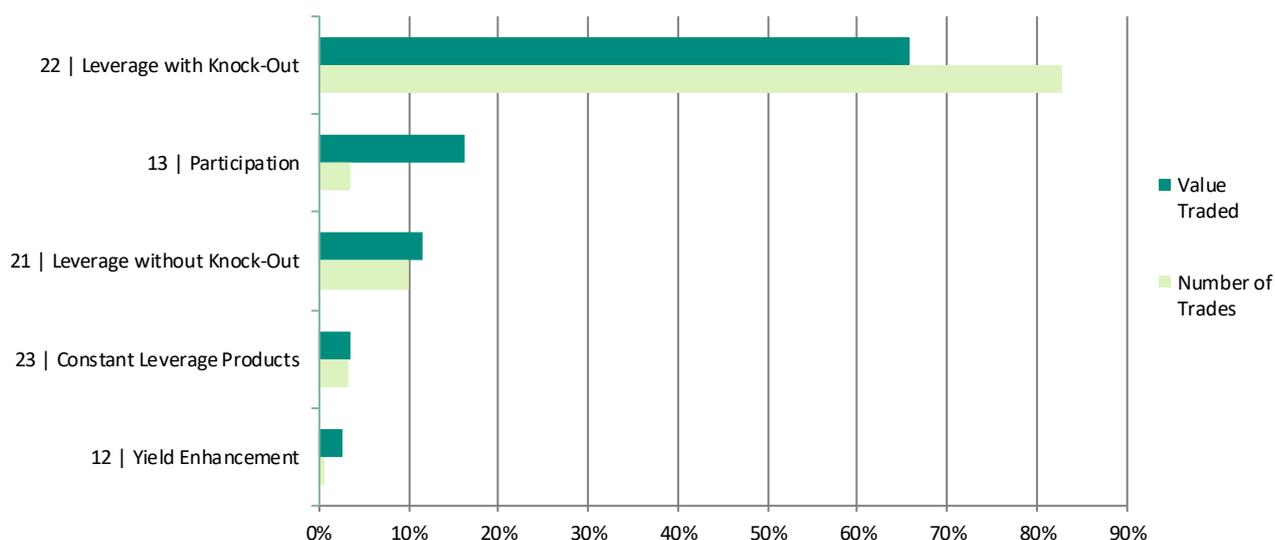
Market Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of all Euronext markets.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 2)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
22 Leverage with Knock-Out	23,132	-0.1%	-2.5%	65.9%	9,330	0.5%	-10.4%	82.8%
13 Participation	5,741	-21%	5.3%	16.4%	389	-27.0%	-4.7%	3.4%
21 Leverage without Knock-Out	4,037	21%	-19.2%	11.5%	1,122	11.2%	-10.9%	10.0%
23 Constant Leverage Products	1,249	6.2%	-17.1%	3.6%	372	19.3%	-13.5%	3.3%
12 Yield Enhancement	932	-12.3%	20%	2.7%	61	-12.2%	-13.1%	0.5%
Total	35,090	-2.6%	-3.8%	100%	11,274	0.6%	-10.4%	100%

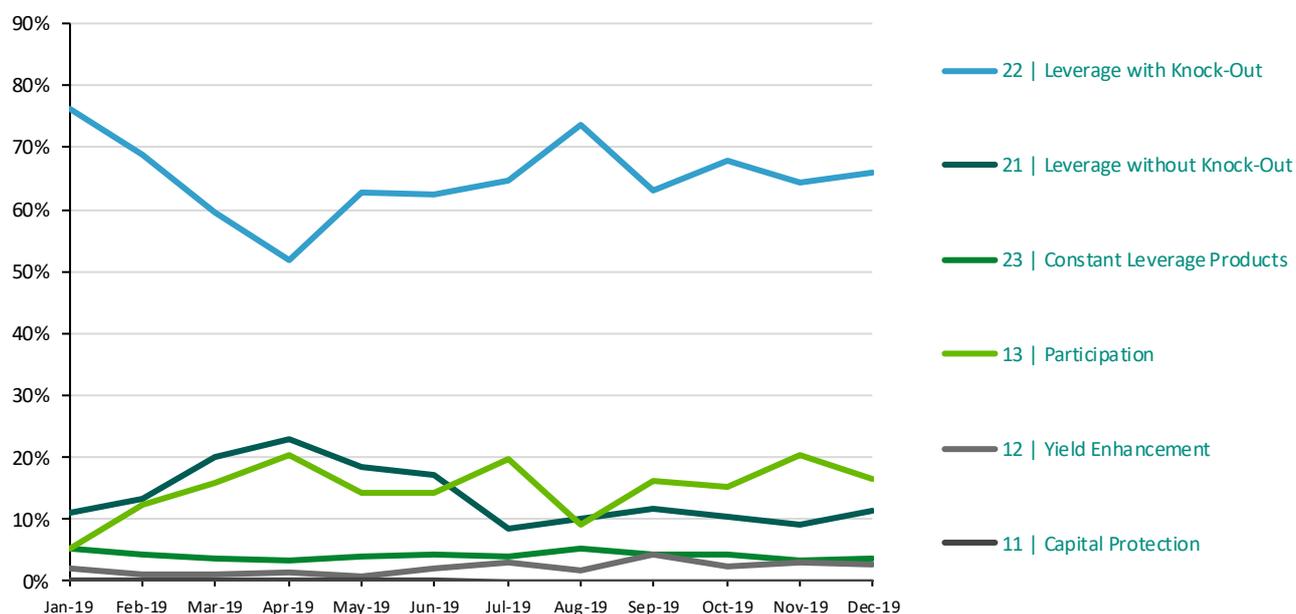
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PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

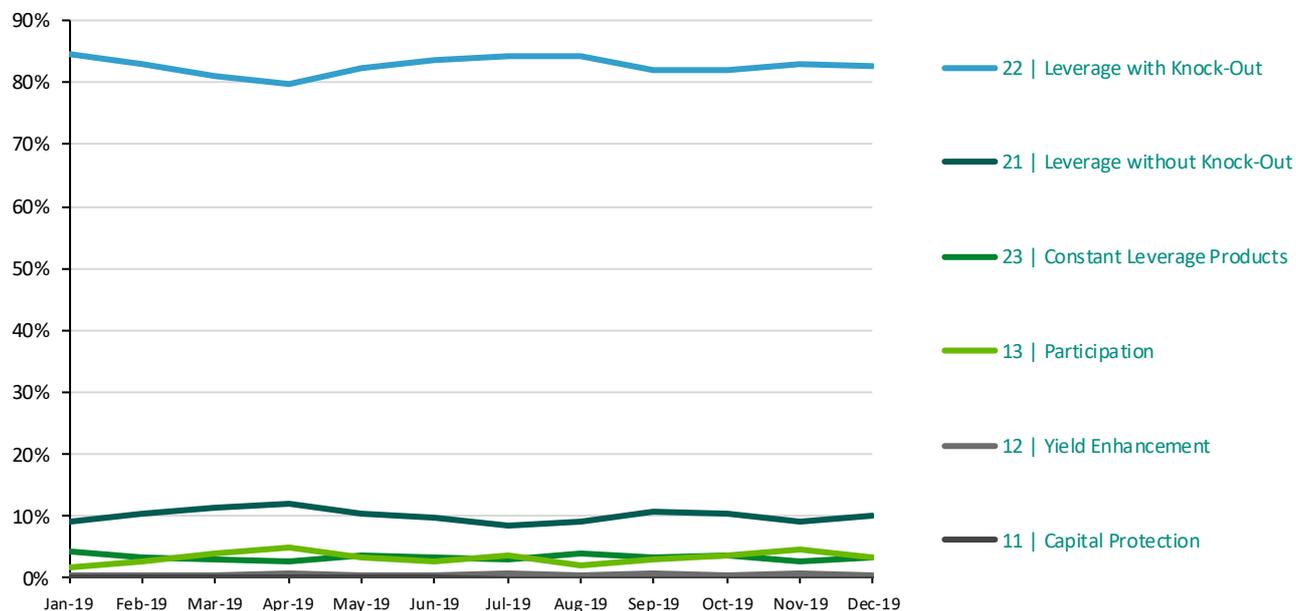
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type across all Euronext markets.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades for each product type across all Euronext markets.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

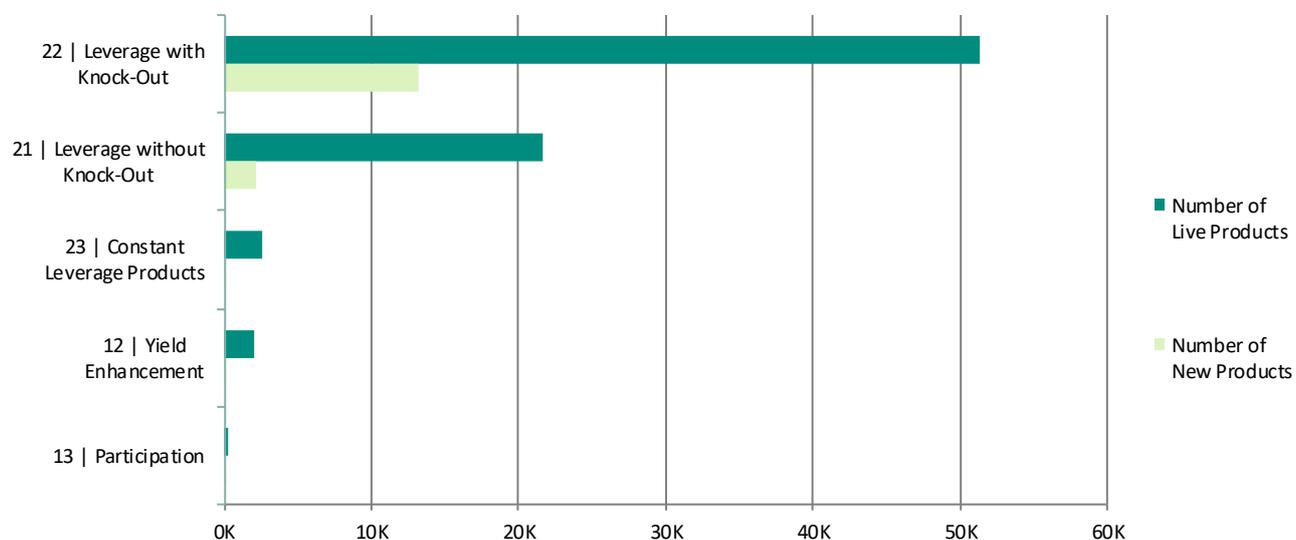
Product Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of all Euronext markets.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 2)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
22 Leverage with Knock-Out	51,342	-4.0%	6.6%	66.1%	13,168	-21%	-24%	85.4%
21 Leverage without Knock-Out	21,576	-10.7%	-10.5%	27.8%	2,083	-16.3%	-48%	13.5%
23 Constant Leverage Products	2,521	7.9%	59%	3.2%	94	-86%	-48%	0.6%
12 Yield Enhancement	1,958	-16.2%	-12.0%	2.5%	74	13.8%	-74%	0.5%
13 Participation	280	-3.1%	-1.5%	0.4%	6	-63%	-39%	0.0%
Total	77,677	-6.0%	1.7%	100%	15,425	-22.6%	-28.9%	100%

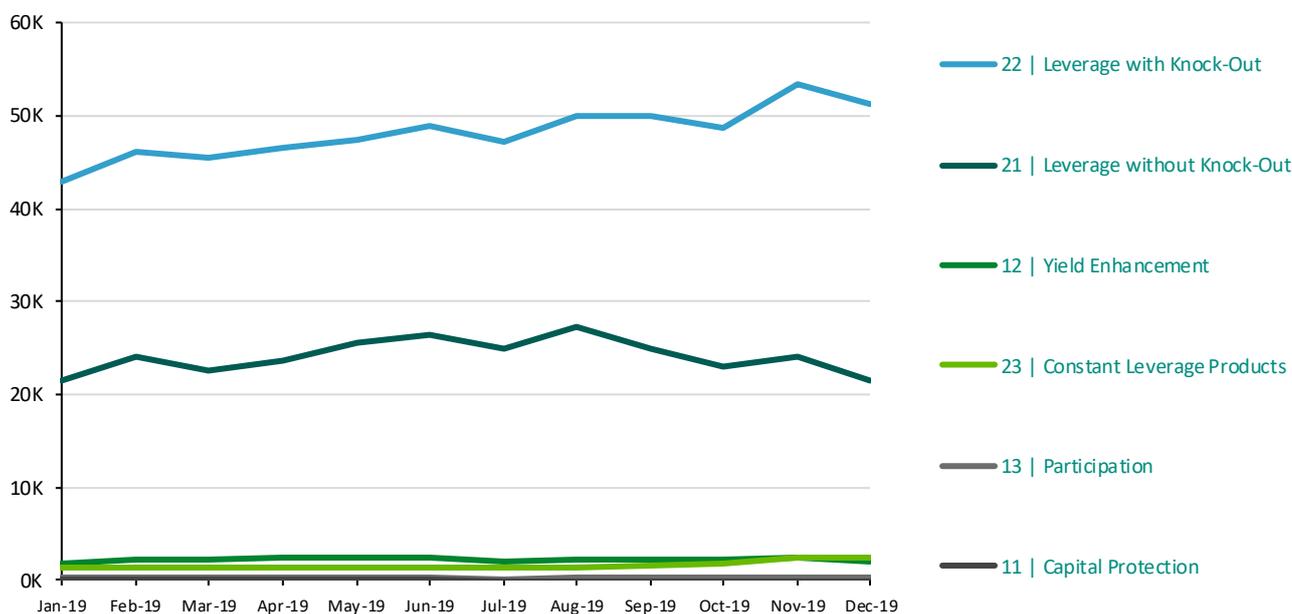
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

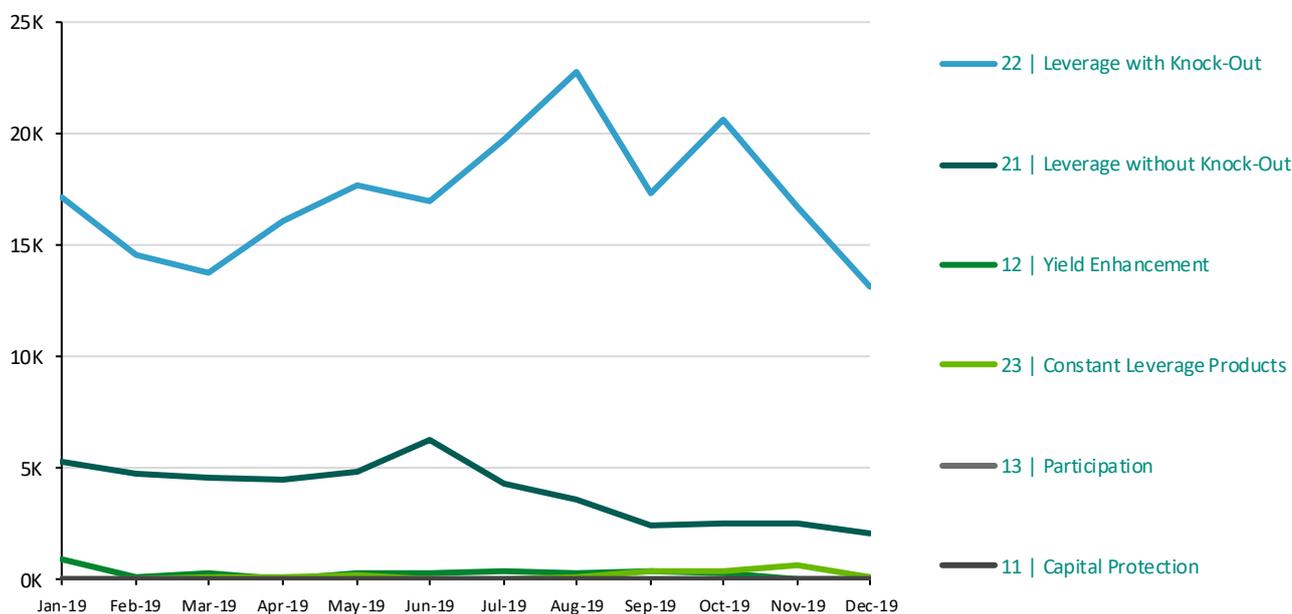
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type across all Euronext markets.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type across all Euronext markets.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

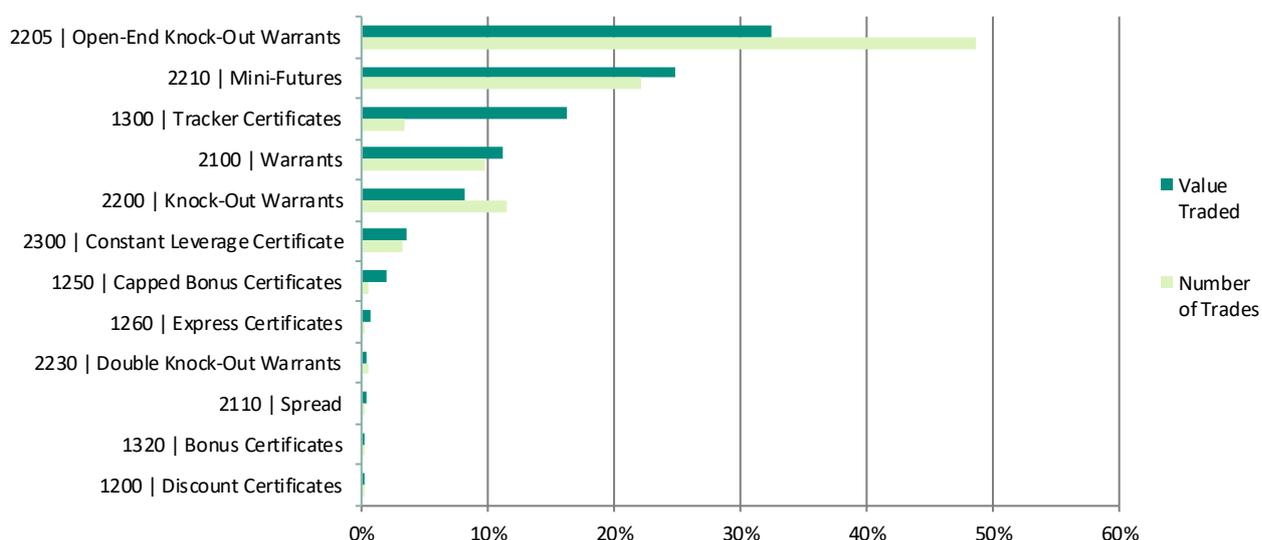
Market Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of all Euronext markets.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 3)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
2205 Open-End Knock-Out Warrants	11,388	-5.3%	-5.0%	32.5%	5,495	2.7%	-8.3%	48.7%
2210 Mini-Futures	8,739	1.8%	4.2%	24.9%	2,489	-1.4%	-9.3%	22.1%
1300 Tracker Certificates	5,739	-21%	5.4%	16.4%	387	-26%	-4.5%	3.4%
2100 Warrants	3,924	20%	-21%	11.2%	1,098	11.0%	-11.9%	9.7%
2200 Knock-Out Warrants	2,857	18.2%	-11.1%	8.1%	1,291	-4.9%	-21%	11.5%
2300 Constant Leverage Certificate	1,249	6.2%	-17.1%	3.6%	372	19.3%	-13.5%	3.3%
1250 Capped Bonus Certificates	670	28%	27%	1.9%	61	-8.9%	-12.1%	0.5%
1260 Express Certificates	261	-52%	6.3%	0.7%	0.5	-85%	-65%	0.0%
2230 Double Knock-Out Warrants	149	17.7%	0.9%	0.4%	54	19.0%	26%	0.5%
2110 Spread	113	50%	143%	0.3%	25	26%	84%	0.2%
1320 Bonus Certificates	2	-91%	-78%	0.0%	1.1	-81%	-54%	0.0%
1200 Discount Certificates	0	-42%	-10.7%	0.0%	0.1	-30%	-36%	0.0%
Total	35,090	-2.6%	-3.8%	100%	11,274	0.6%	-10.4%	100%

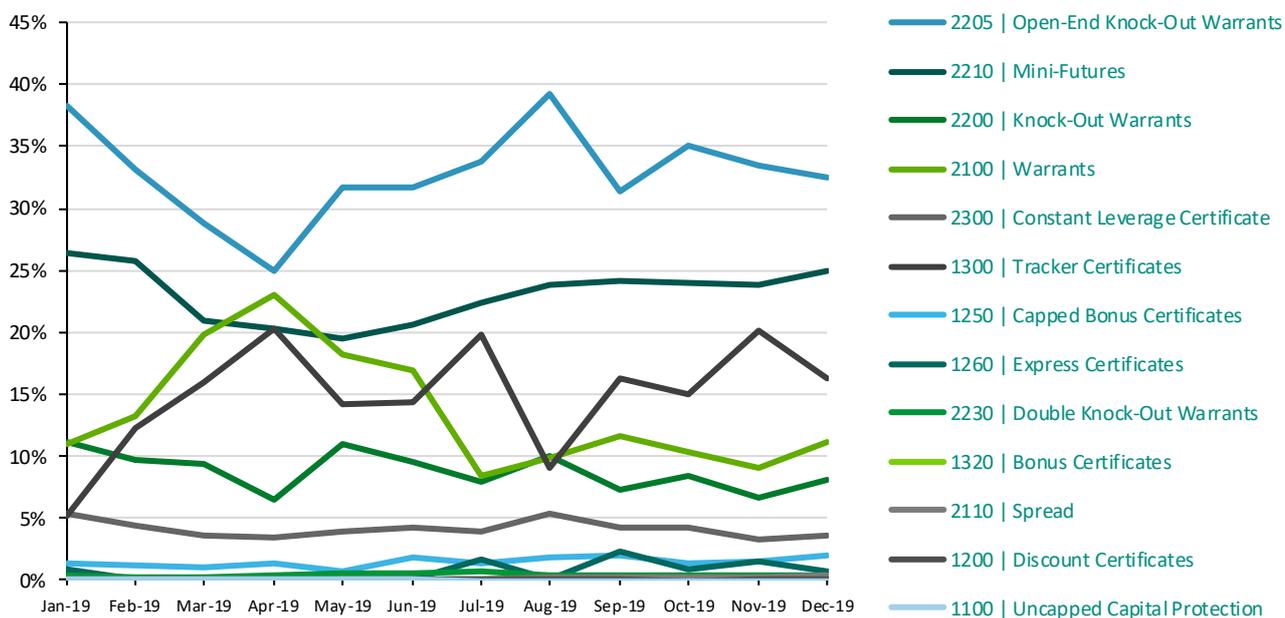
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PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

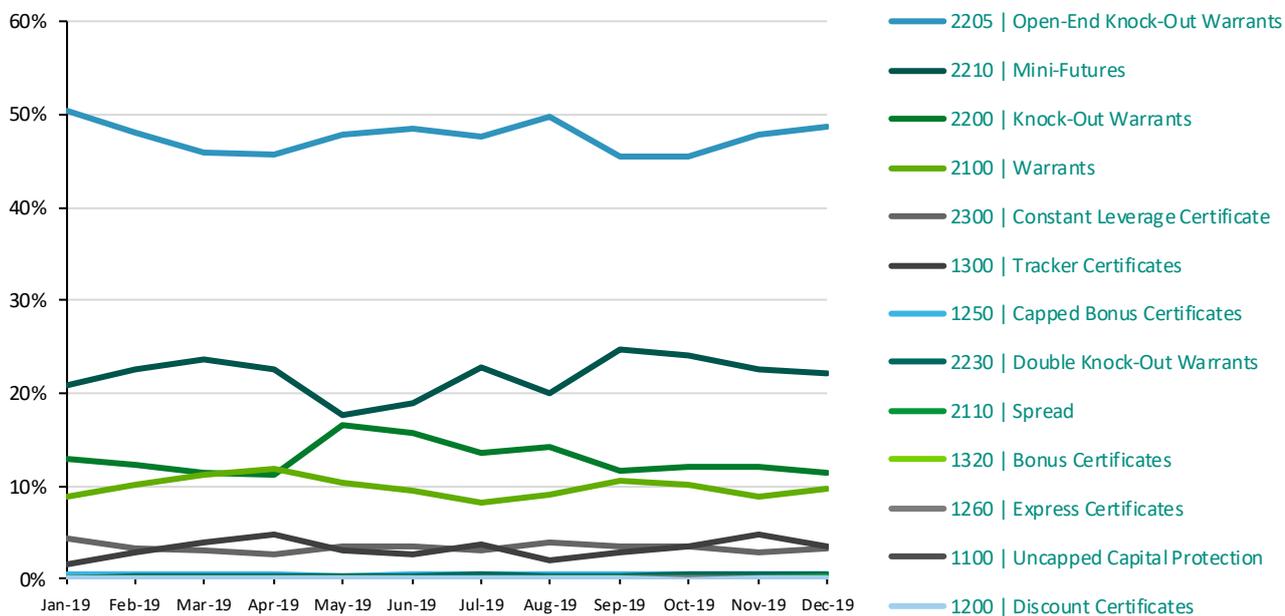
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded across all Euronext markets.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades for each product type over the total number of trades across all Euronext markets.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

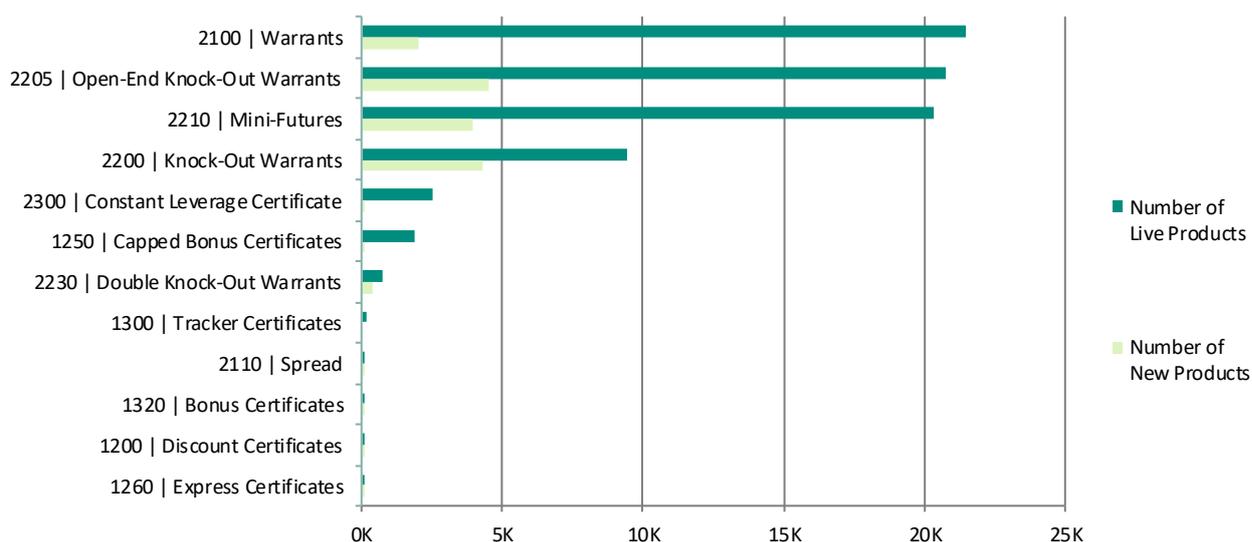
Product Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of all Euronext markets.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 3)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
2100 Warrants	21,447	-10.7%	-10.7%	27.6%	2,044	-16.6%	-48%	13.3%
2205 Open-End Knock-Out Warrants	20,771	-3.6%	7.2%	26.7%	4,544	-14.4%	-20%	29.5%
2210 Mini-Futures	20,348	-4.6%	5.7%	26.2%	3,968	-18.0%	-22%	25.7%
2200 Knock-Out Warrants	9,471	-3.9%	7.1%	12.2%	4,292	-33%	-31%	27.8%
2300 Constant Leverage Certificate	2,521	7.9%	59%	3.2%	94	-86%	-48%	0.6%
1250 Capped Bonus Certificates	1,897	-16.9%	-12.2%	2.4%	22	-65%	-92%	0.1%
2230 Double Knock-Out Warrants	752	-1.7%	10.7%	1.0%	364	133%	32%	2.4%
1300 Tracker Certificates	159	-4.6%	-6.5%	0.2%	0		-100%	0.0%
2110 Spread	129	1.9%	18.8%	0.2%	39	0.0%	62%	0.3%
1320 Bonus Certificates	121	-1.1%	6.0%	0.2%	6	-63%	-35%	0.0%
1200 Discount Certificates	52	18.6%	-14.5%	0.1%	49		390%	0.3%
1260 Express Certificates	8	-8.1%	107%	0.0%	3	50%	200%	0.0%
Total	77,677	-6.0%	1.7%	100%	15,425	-22.6%	-28.9%	100%

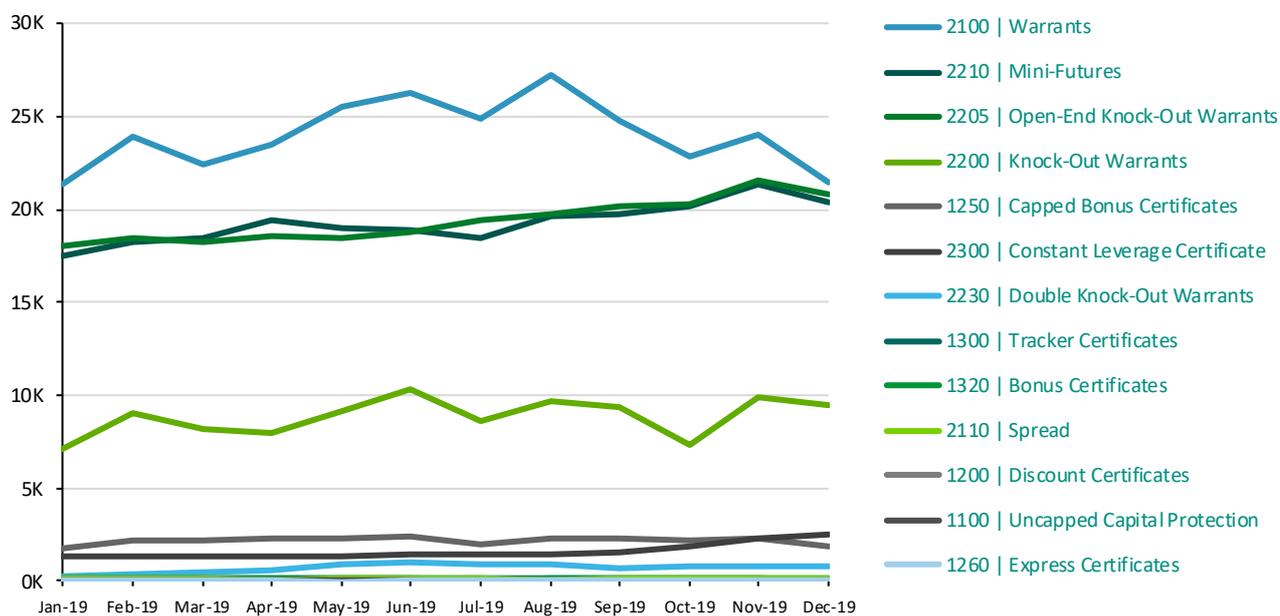
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

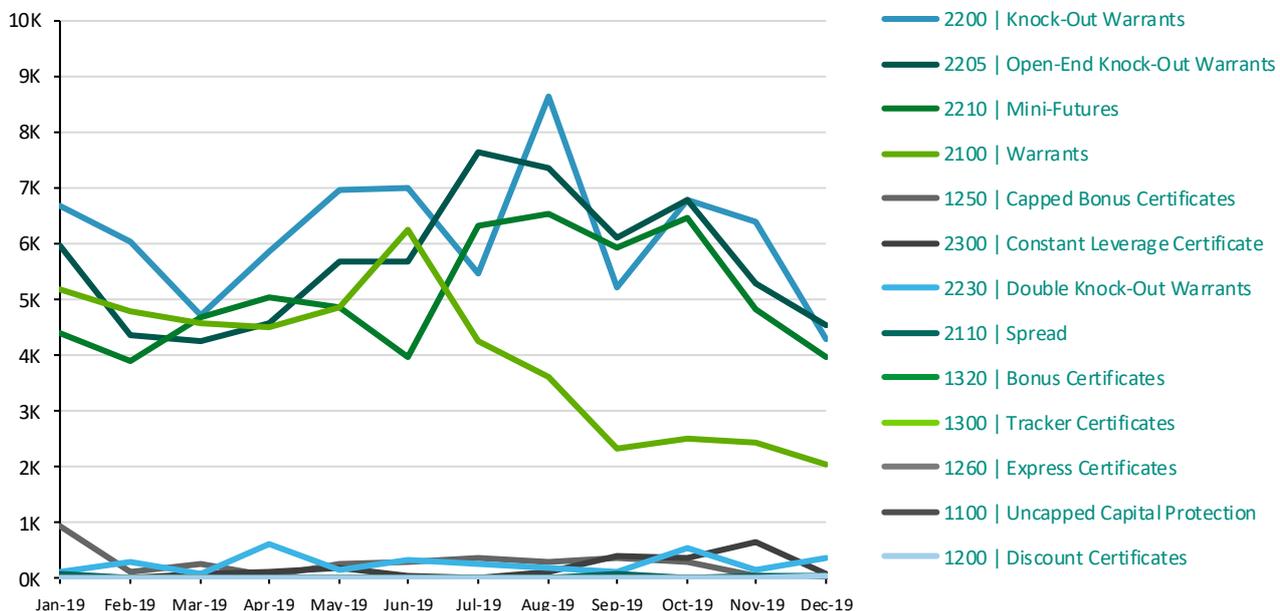
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type across all Euronext markets.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type across all Euronext markets.



PRODUCT STRATEGIES

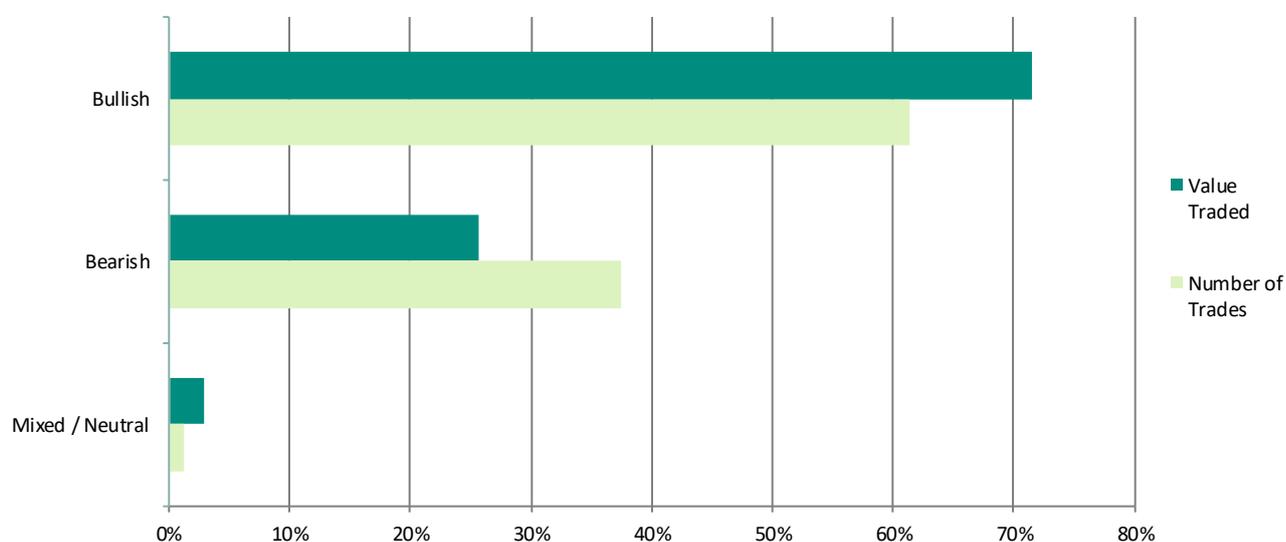
Market Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of all Euronext markets.

The chart at the bottom of the page represents the weight of each product strategy in terms of value traded and number of trades.

Product Strategies	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Bullish	25,091	-4.9%	-2.2%	71.5%	6,911	1.8%	-10.1%	61.3%
Bearish	9,004	1.2%	-10.7%	25.7%	4,222	-1.3%	-11.5%	37.4%
Mixed / Neutral	995	37%	35%	2.8%	141	6.1%	10.9%	1.2%
Total	35,090	-2.6%	-3.8%	100%	11,274	0.6%	-10.4%	100%

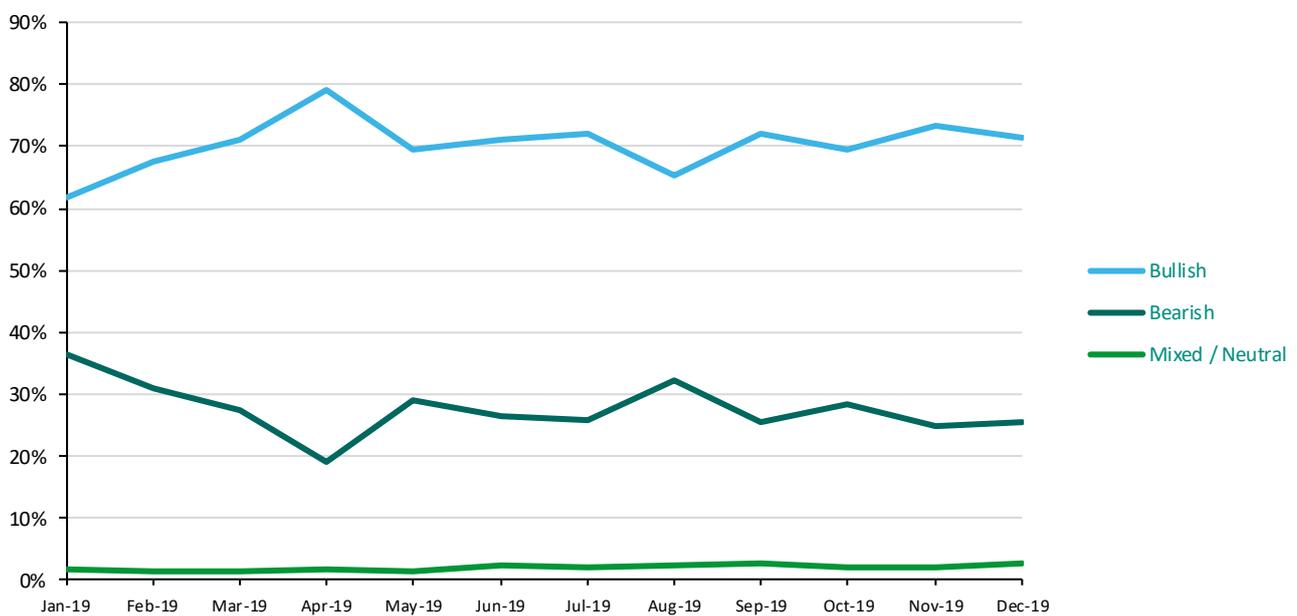
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PRODUCT STRATEGIES

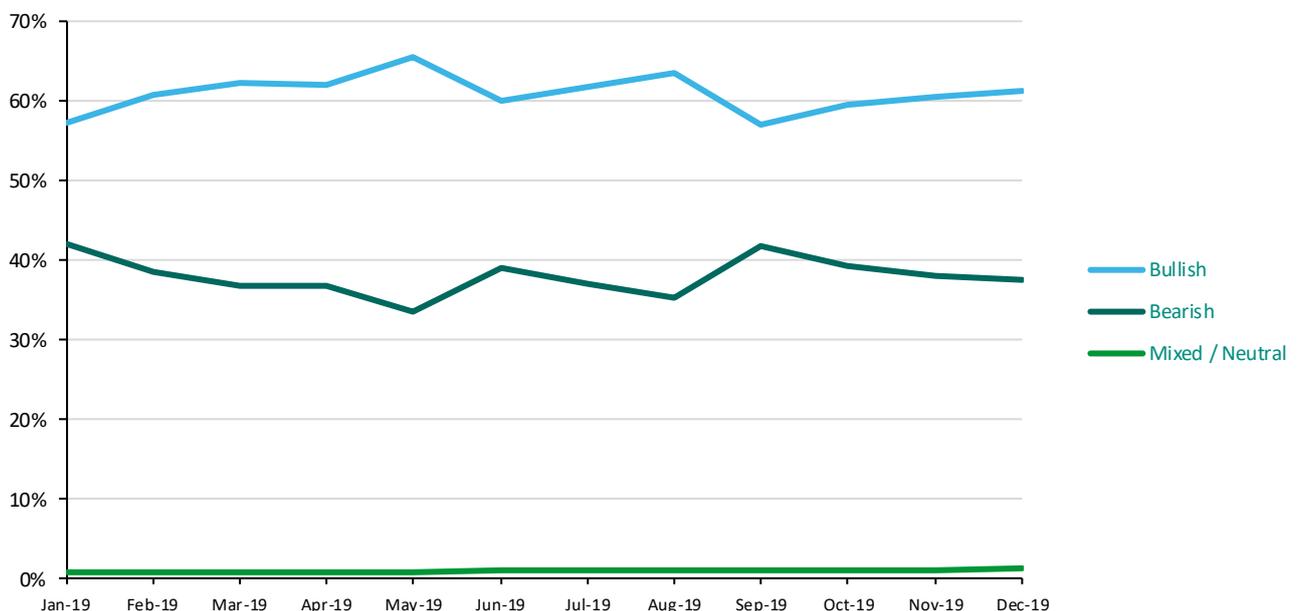
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded across all Euronext markets.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades for each product type over the total number of trades across all Euronext markets.



PRODUCT STRATEGIES

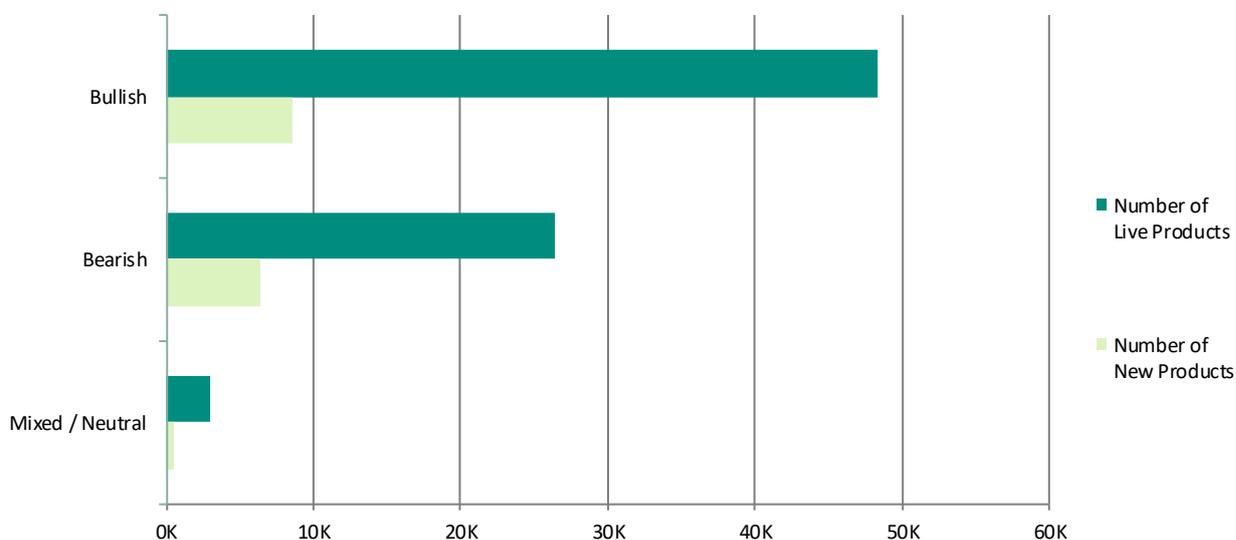
Product Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of all Euronext markets.

The chart at the bottom of the page represents the number of live products and number of new products for each product strategy.

Strategies	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Bullish	48,297	-5.8%	7.5%	62.2%	8,533	-23%	-28%	55.3%
Bearish	26,454	-5.6%	-6.5%	34.1%	6,418	-26%	-31%	41.6%
Mixed / Neutral	2,927	-11.8%	-6.1%	3.8%	474	84%	-19.6%	3.1%
Total	77,677	-6.0%	1.7%	100%	15,425	-22.6%	-28.9%	100%

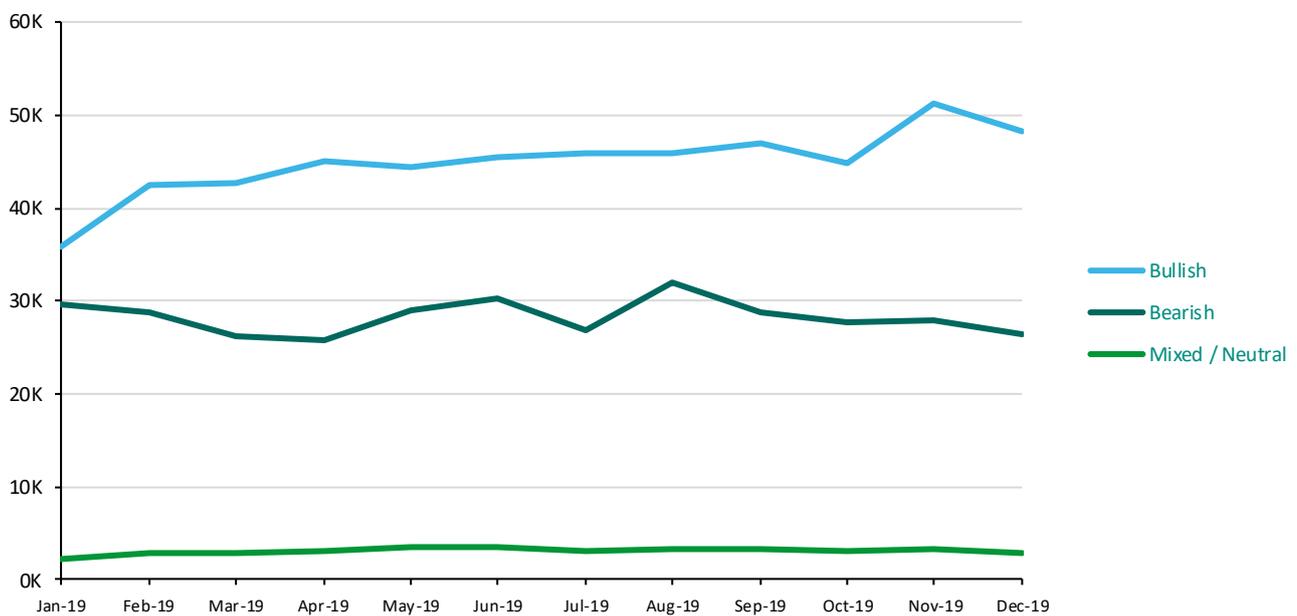
(Source Euronext)



PRODUCT STRATEGIES

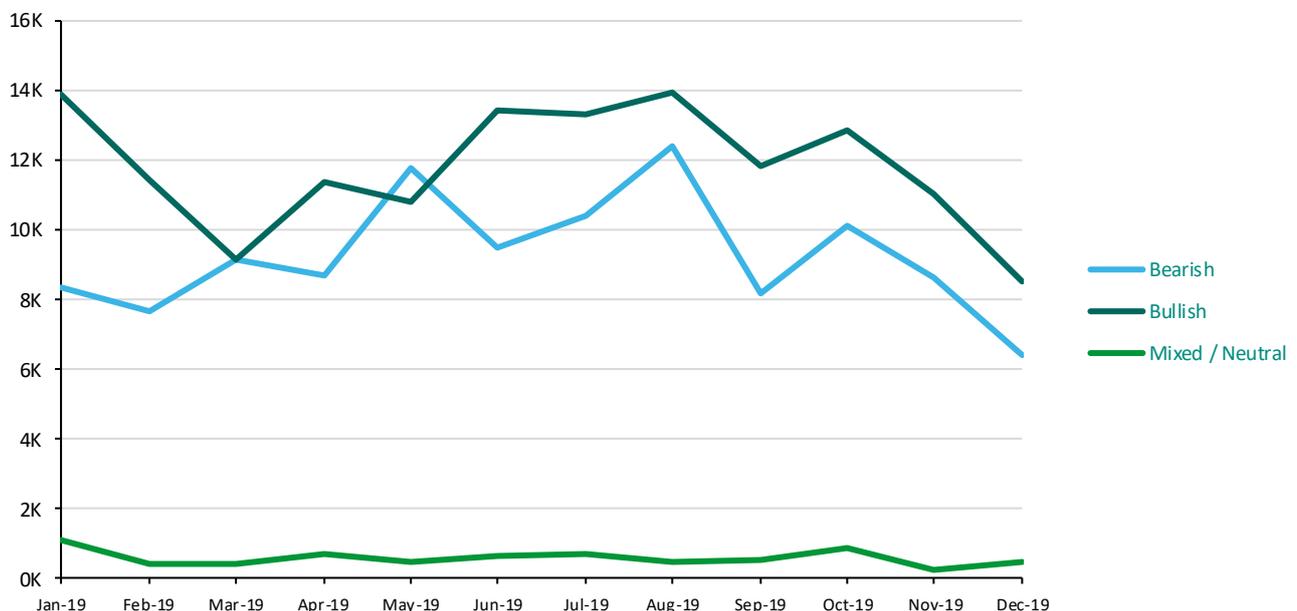
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type across all Euronext markets.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type across all Euronext markets.



UNDERLYING TYPES

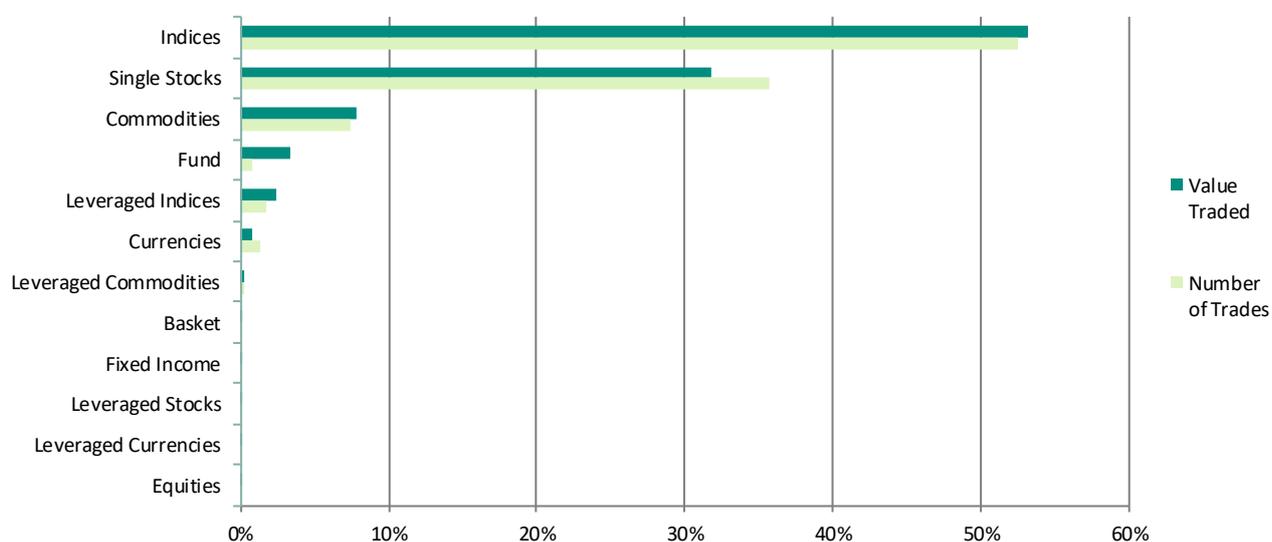
Market Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of all Euronext markets.

The chart at the bottom of the page represents the weight of each underlying type in terms of value traded and number of trades.

Underlying Types	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Indices	18,683	0.2%	-5.7%	53.2%	5,918	8.8%	-10.8%	52.5%
Single Stocks	11,169	-0.1%	14.6%	31.8%	4,036	-6.7%	-6.9%	35.8%
Commodities	2,742	-21%	-2.2%	7.8%	834	-17.9%	-12.7%	7.4%
Fund	1,198	-7.0%	-51%	3.4%	92	3.0%	-48.8%	0.8%
Leveraged Indices	855	29%	-4.1%	2.4%	192	36.5%	-13.1%	1.7%
Currencies	290	23%	-42%	0.8%	147	3.8%	-26.7%	1.3%
Leveraged Commodities	62	27%	12.9%	0.2%	32	27.7%	28.0%	0.3%
Basket	54	46%	59%	0.2%	3.0	34.7%	20.6%	0.0%
Fixed Income	29	-17.1%	-33%	0.1%	13	-24.4%	-48.5%	0.1%
Leveraged Stocks	7	-67%	-50%	0.0%	7.1	6.5%	-23.3%	0.1%
Leveraged Currencies	2	-42%	46%	0.0%	0.2	-53.3%	-19.0%	0.0%
Equities	0	-100%	-100%	0.0%	0.1	-94.8%	-85.2%	0.0%
Total	35,090	-2.6%	-3.8%	100%	11,274	0.6%	-10.4%	100%

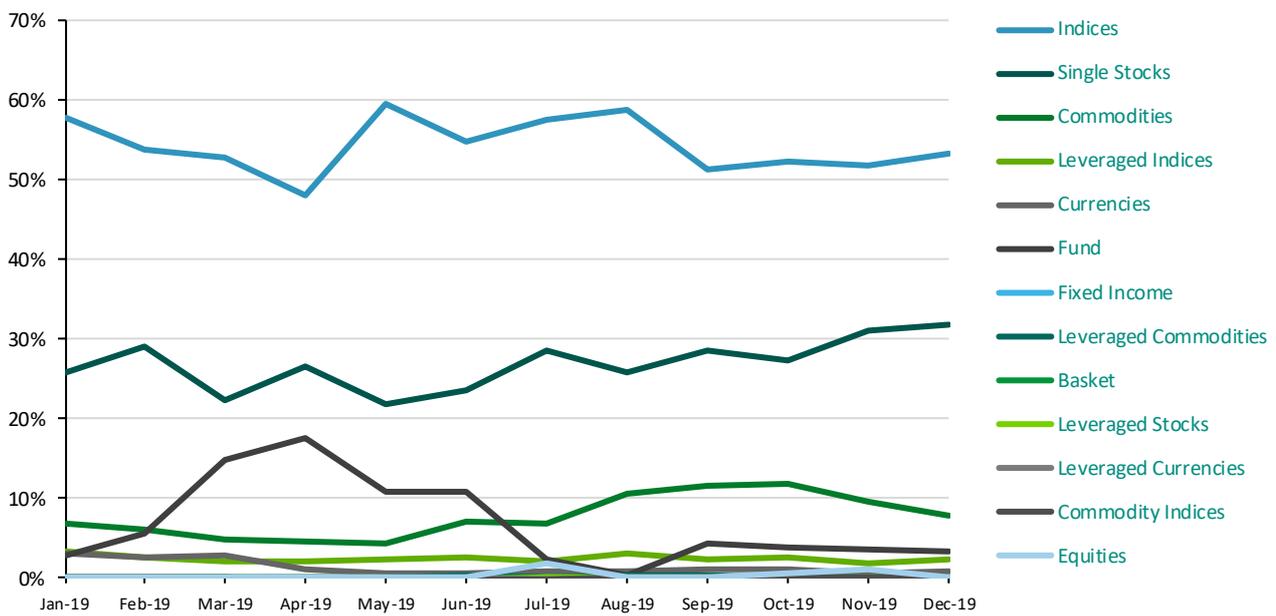
(Source Euronext)



UNDERLYING TYPES

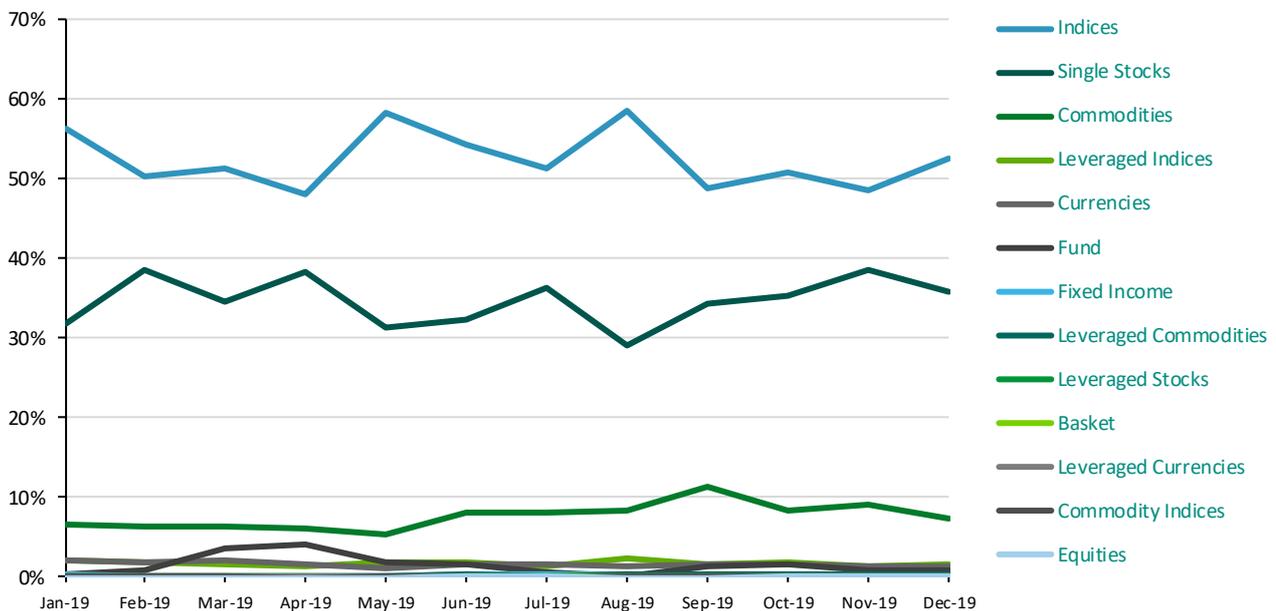
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying type over the total value traded across all Euronext markets.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades for each underlying type over the total number of trades across all Euronext markets.



UNDERLYING TYPES

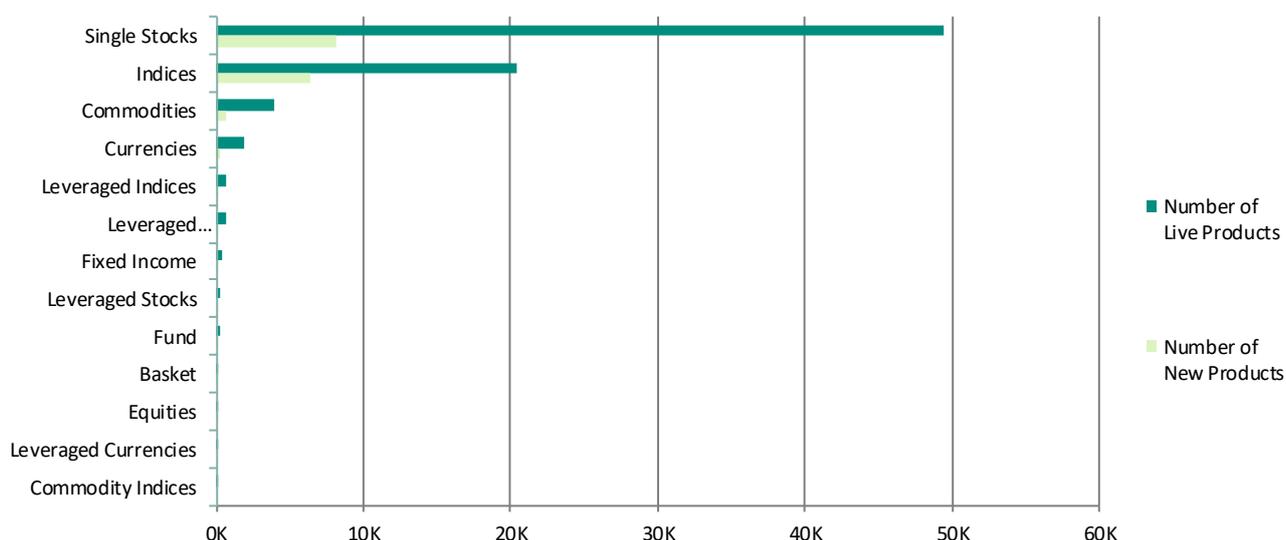
Product Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of all Euronext markets.

The chart at the bottom of the page represents the number of live products and number of new products for each underlying type.

Underlying Types	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Single Stocks	49,498	-7.0%	1.5%	63.7%	8,121	-22%	-34%	52.6%
Indices	20,395	-4.9%	0.2%	26.3%	6,336	-22%	-19.9%	41.1%
Commodities	3,900	-2.7%	4.8%	5.0%	652	-12.8%	-32%	4.2%
Currencies	1,882	-6.0%	-14.7%	2.4%	247	50%	-34%	1.6%
Leveraged Indices	605	3.6%	48%	0.8%	6	-96%	-82%	0.0%
Leveraged Commodities	600	11.9%	190%	0.8%	28	-86%	-49%	0.2%
Fixed Income	332	-6.8%	2.2%	0.4%	8	-67%	-72%	0.1%
Leveraged Stocks	254	3.9%	42%	0.3%	20	-57%	66%	0.1%
Fund	175	-1.4%	7.5%	0.2%	2	-60%	-61%	0.0%
Basket	18	-0.6%	-1.9%	0.0%	4		NA	0.0%
Equities	9	-0.2%	141%	0.0%	1	0.0%	0.0%	0.0%
Leveraged Currencies	8	0.0%	0.0%	0.0%	0			0.0%
Commodity Indices	1	0.0%	-8.0%	0.0%	0			0.0%
Total	77,677	-6.0%	1.7%	100%	15,425	-22.6%	-28.9%	100%

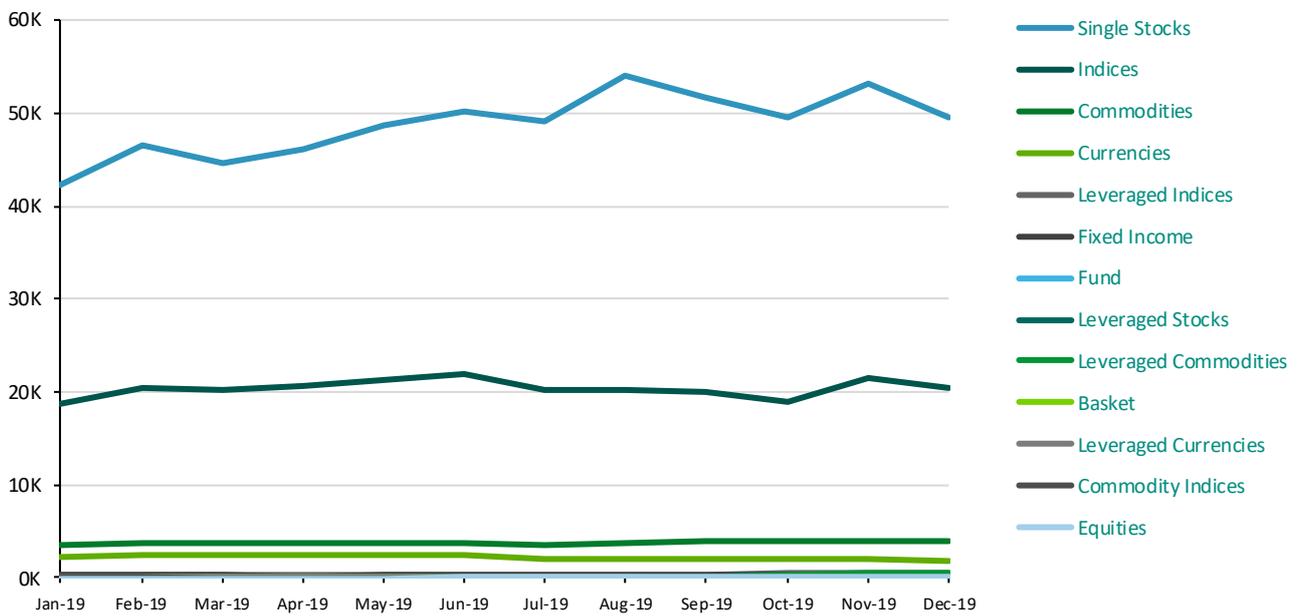
(Source Euronext)



UNDERLYING TYPES

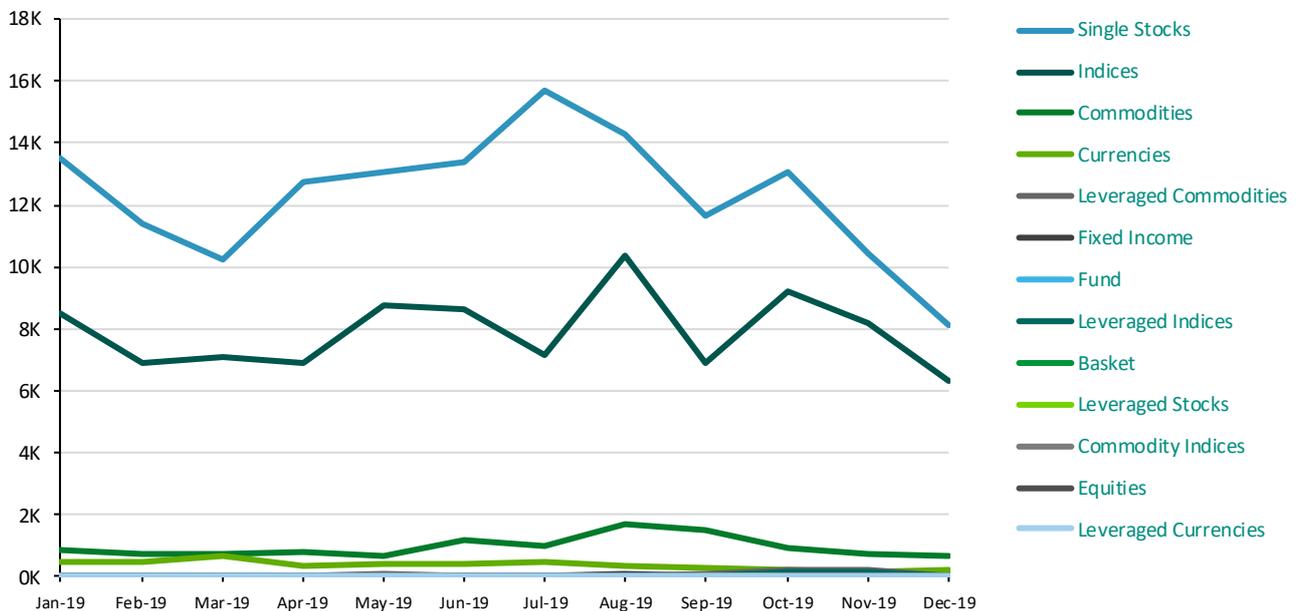
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying type across all Euronext markets.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying type across all Euronext markets.



TOP 10 UNDERLYING COUNTRIES

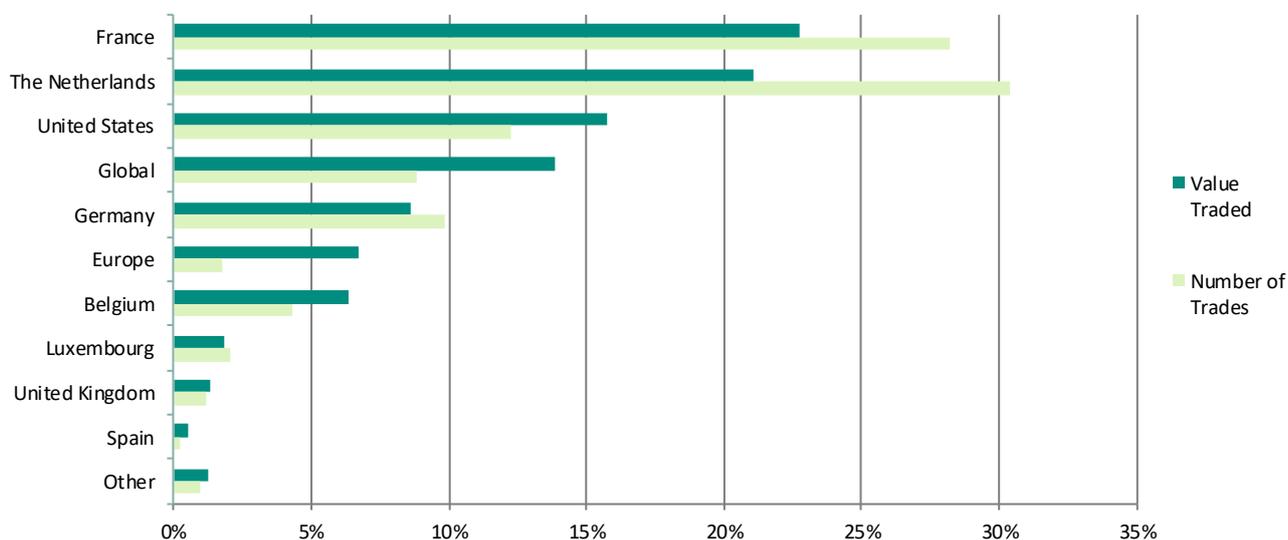
Market Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of all Euronext markets.

The chart at the bottom of the page represents the weight of each underlying country of origin in terms of value traded and number of trades.

Underlying Countries	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
France	7,981	2.4%	-2.8%	22.7%	3,184	0.9%	-8.9%	28.2%
The Netherlands	7,384	9.3%	-9.6%	21.0%	3,427	7.8%	-10.7%	30.4%
United States	5,526	8.8%	0.8%	15.7%	1,384	7.8%	-9.3%	12.3%
Global	4,868	-20%	-1.8%	13.9%	996	-19.4%	-11.7%	8.8%
Germany	3,009	-7.4%	-6.9%	8.6%	1,111	2.1%	-20.0%	9.9%
Europe	2,362	-29%	-37%	6.7%	195	-12.2%	-35%	1.7%
Belgium	2,218	28%	64%	6.3%	485	4.8%	16.0%	4.3%
Luxembourg	631	-33%	17.8%	1.8%	229	-30%	-9.6%	2.0%
United Kingdom	473	98%	106%	1.3%	132	59%	59%	1.2%
Spain	193	64%	140%	0.5%	21	3.3%	30%	0.2%
Other	444	-33%	1.5%	1.3%	111	-22%	-20%	1.0%
Total	35,090	-2.6%	-3.8%	100%	11,274	0.6%	-10.4%	100%

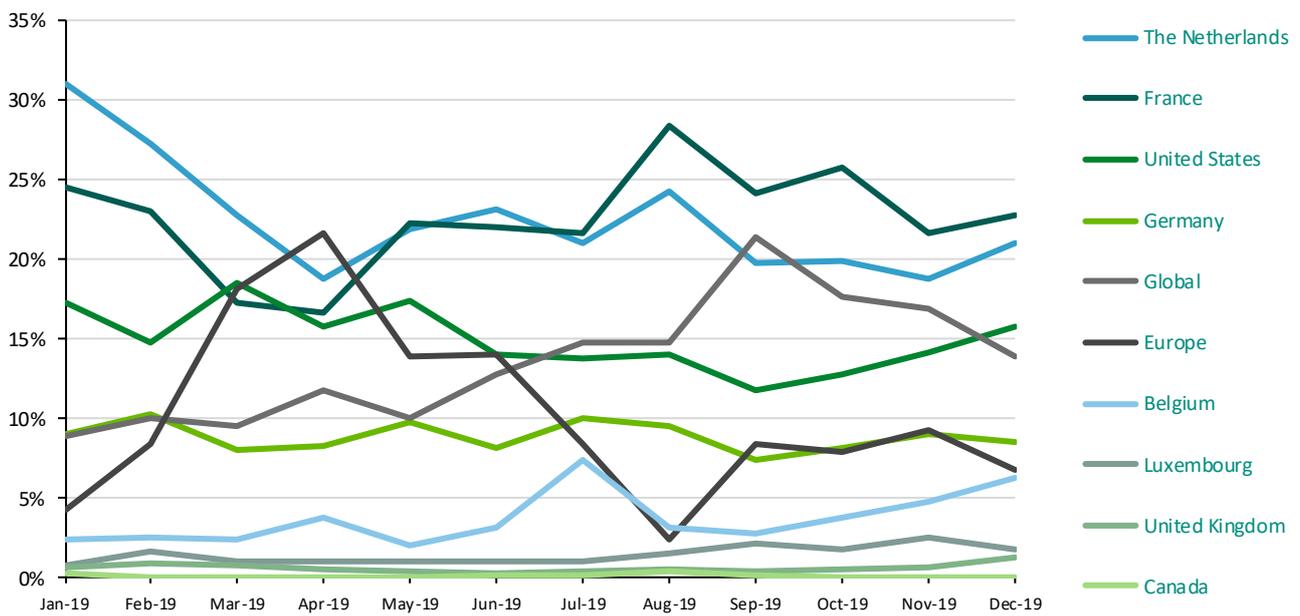
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

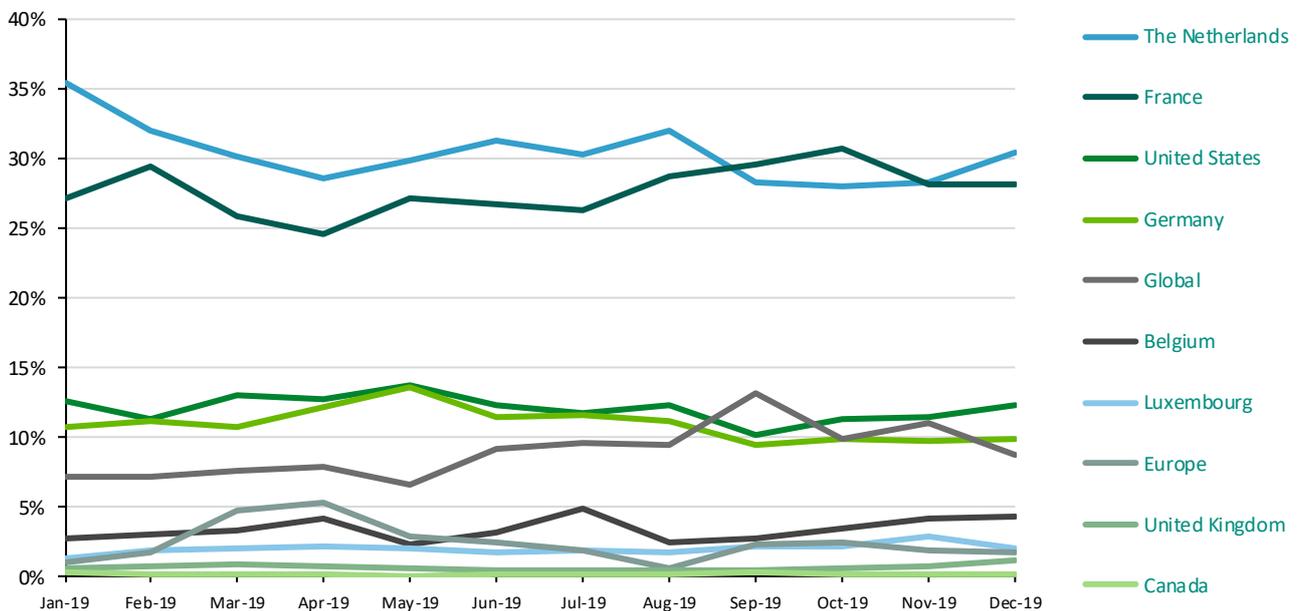
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying country of origin over the total value traded across all Euronext markets.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades for each underlying country of origin over the total number of trades across all Euronext markets.



TOP 10 UNDERLYING COUNTRIES

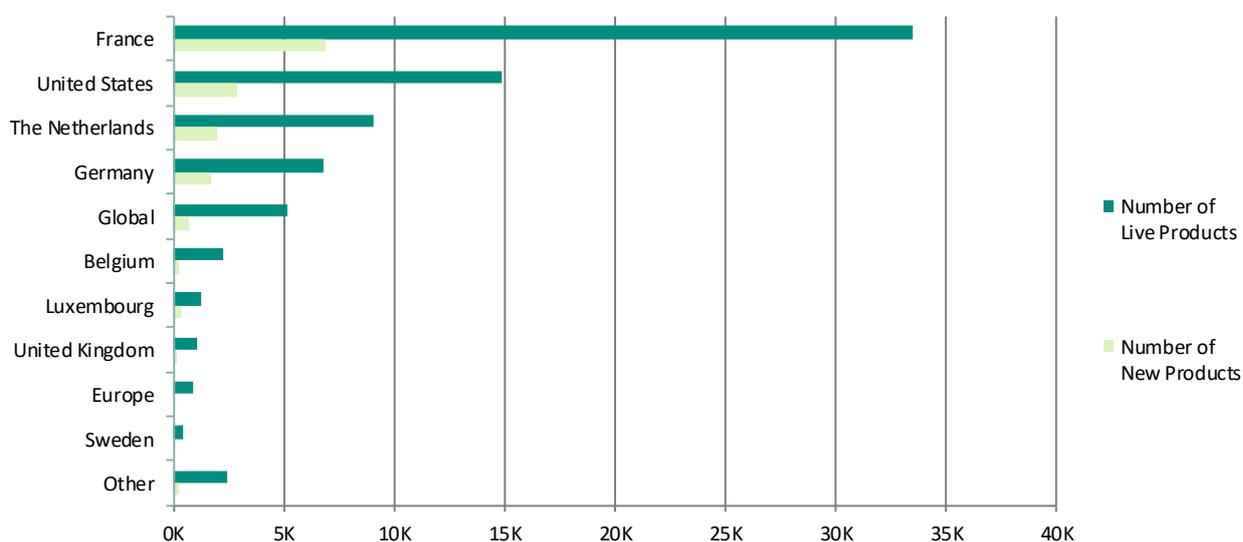
Product Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of all Euronext markets.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying country.

Underlying Countries	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
France	33,468	-6.5%	-3.5%	43.1%	6,908	-21%	-32%	44.8%
United States	14,893	-5.7%	4.3%	19.2%	2,884	-23%	-32%	18.7%
The Netherlands	9,061	-2.3%	10.4%	11.7%	1,965	-16.5%	-11.0%	12.7%
Germany	6,837	-11.7%	6.5%	8.8%	1,679	-29%	-23%	10.9%
Global	5,155	-2.1%	12.5%	6.6%	744	-27%	-33%	4.8%
Belgium	2,237	-3.6%	11.3%	2.9%	293	-32%	-34%	1.9%
Luxembourg	1,240	-5.0%	1.7%	1.6%	310	-37%	-32%	2.0%
United Kingdom	1,106	-2.3%	1.2%	1.4%	198	17.2%	-8.9%	1.3%
Europe	872	-9.2%	-12.1%	1.1%	105	-15.3%	-31%	0.7%
Sweden	415	-13.5%	-7.7%	0.5%	53	-50%	-53%	0.3%
Other	2,394	-6.0%	-1.3%	3.1%	286	-23%	-26%	1.9%
Total	77,677	-6.0%	1.7%	100%	15,425	-22.6%	-28.9%	100%

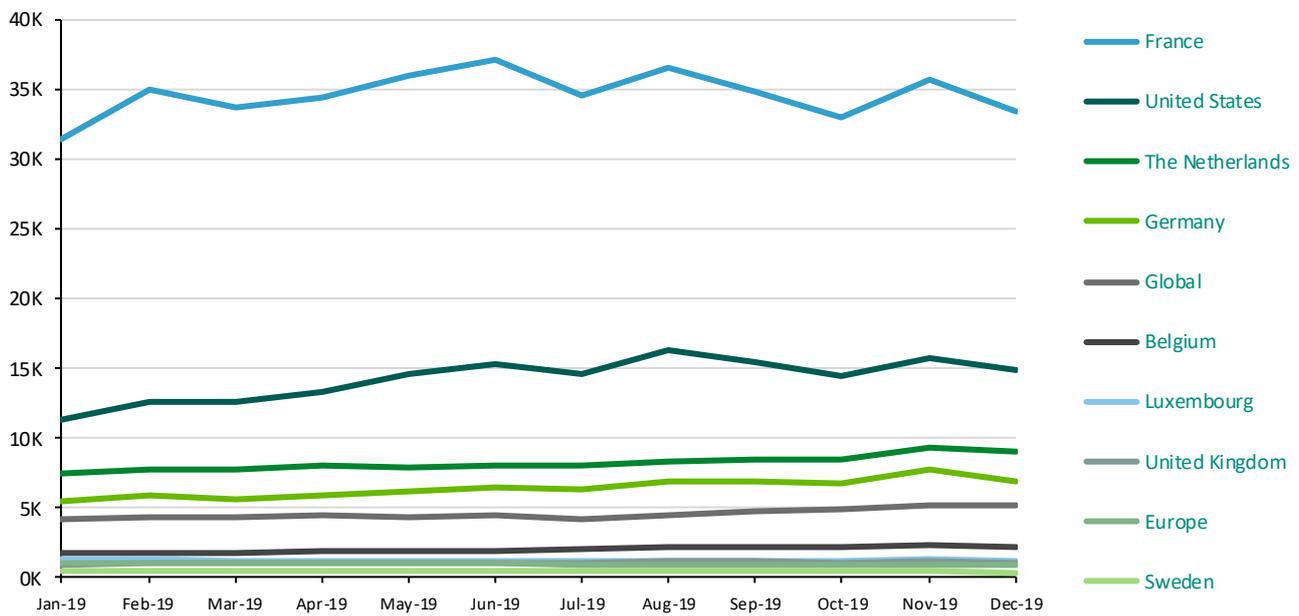
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

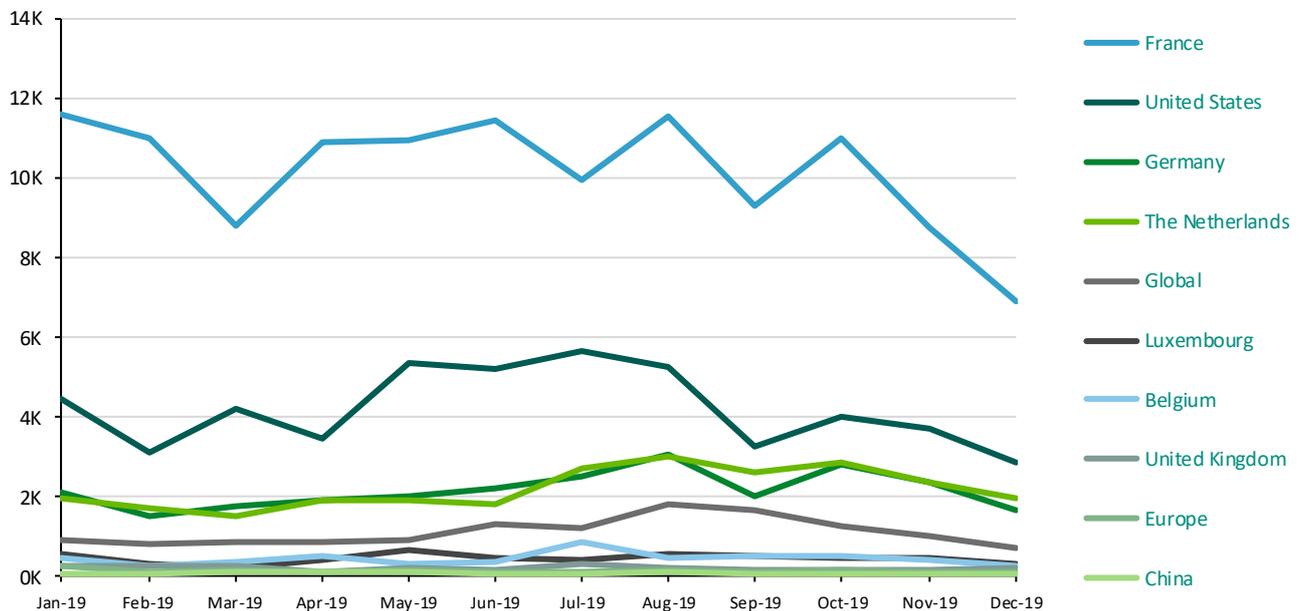
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying country of origin across all Euronext markets.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying country of origin across all Euronext markets.



TOP 10 UNDERLYINGS

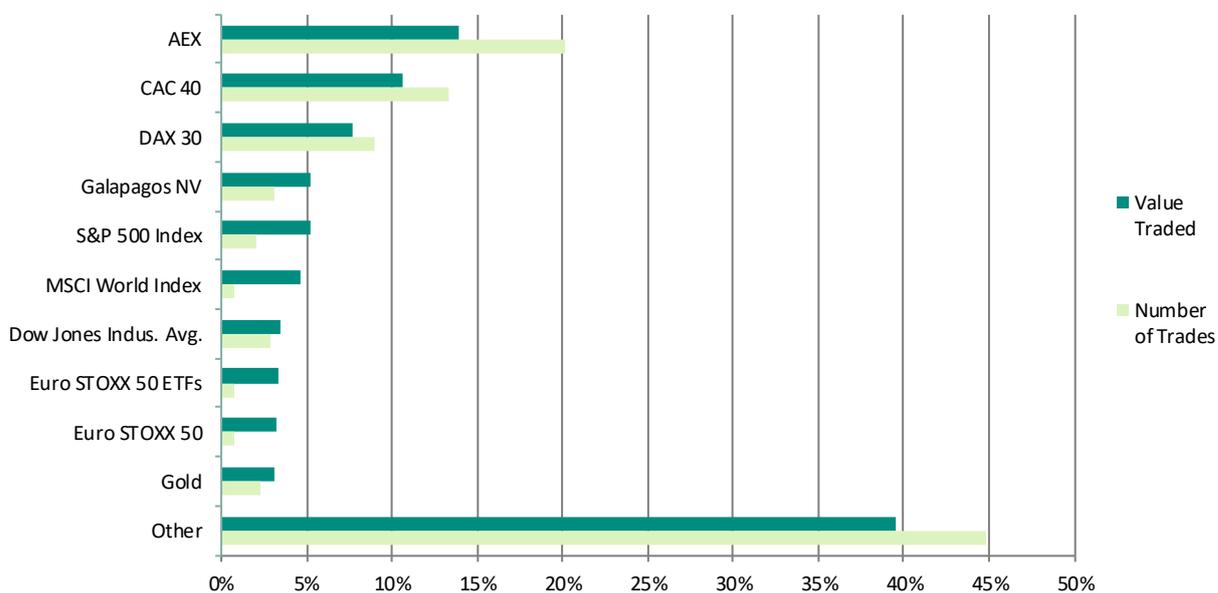
Market Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of all Euronext markets.

The chart at the bottom of the page represents the weight of each of the top 10 underlyings in terms of value traded and number of trades.

Underlyings	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
AEX	4,882	24%	-11.1%	13.9%	2,267	21.0%	-9.5%	20.1%
CAC 40	3,732	12.8%	0.8%	10.6%	1,506	10.1%	-3.7%	13.4%
DAX 30	2,713	-4.4%	-7.1%	7.7%	1,010	3.6%	-18.5%	9.0%
Galapagos NV	1,852	35%	93%	5.3%	352	9.6%	45%	3.1%
S&P 500 Index	1,818	-12.5%	2.8%	5.2%	237	-12.1%	-5.9%	2.1%
MSCI World Index	1,634	-26%	-3.8%	4.7%	87	-26%	9.0%	0.8%
Dow Jones Indus. Avg.	1,198	10.3%	-2.8%	3.4%	318	9.0%	-16.6%	2.8%
Euro STOXX 50 ETFs	1,191	-7.4%	-51%	3.4%	91	2.4%	-49%	0.8%
Euro STOXX 50	1,112	-32%	-5.5%	3.2%	87	-30%	-21%	0.8%
Gold	1,072	-12.1%	-14.9%	3.1%	260	-24%	-22%	2.3%
Other	13,886	-7.8%	0.6%	39.6%	5,059	-6.9%	-11.2%	44.9%
Total	35,090	-2.6%	-3.8%	100%	11,274	0.6%	-10.4%	100%

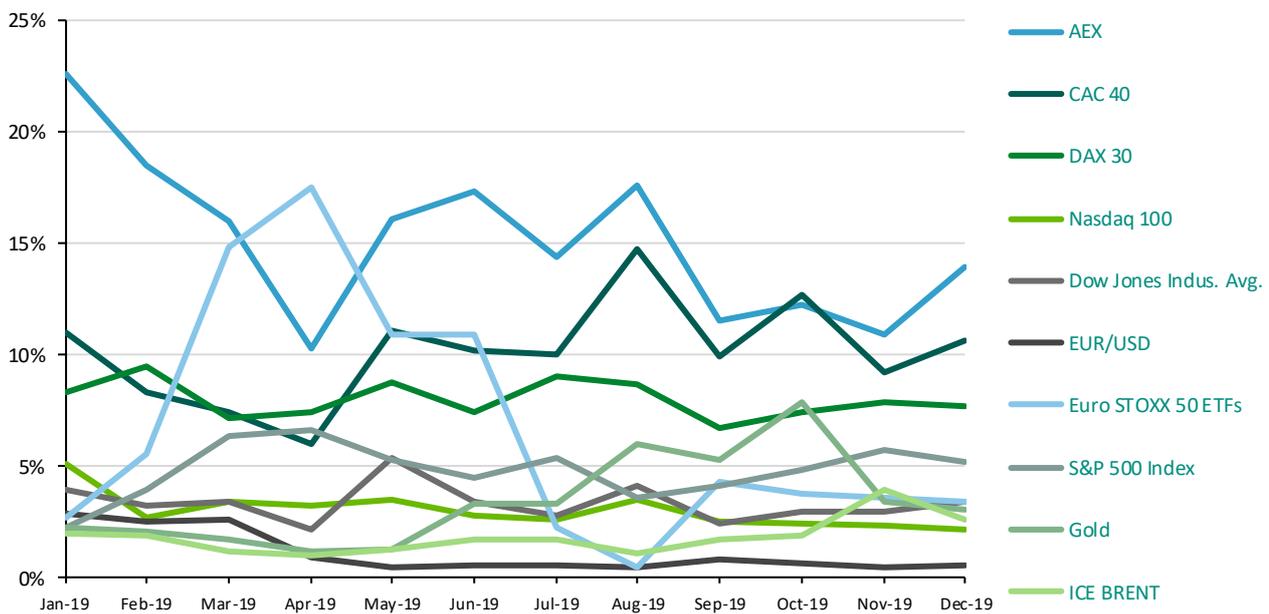
(Source Euronext)



TOP 10 UNDERLYINGS

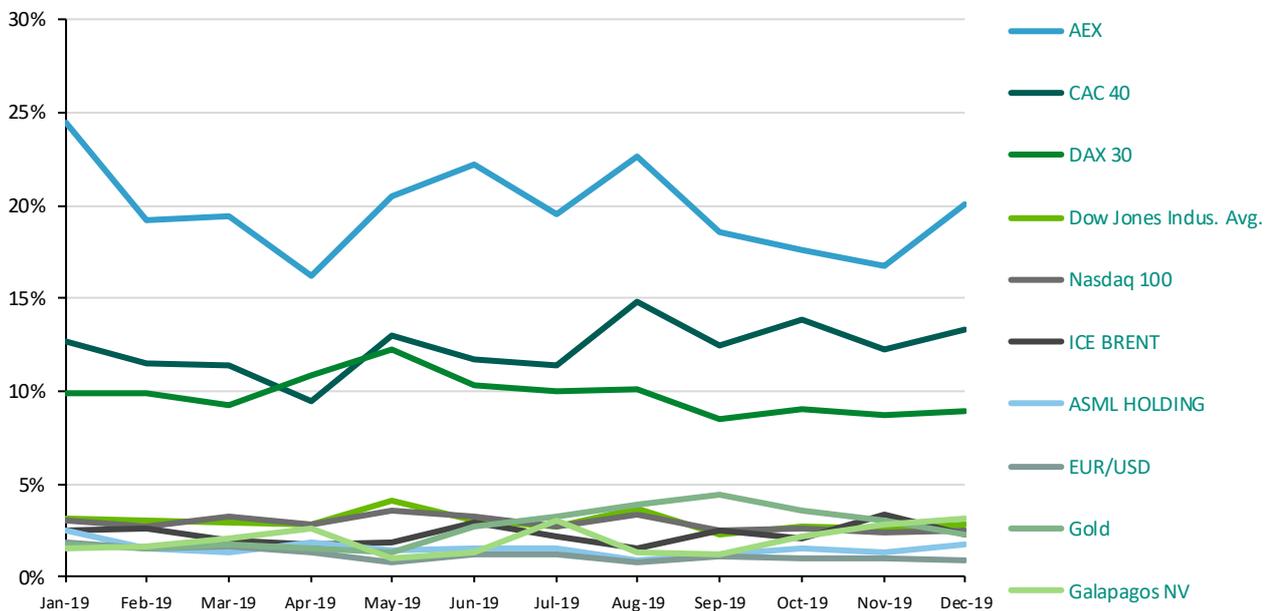
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each top 10 underlying over the total value traded across all Euronext markets.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades for each top 10 underlying over the total number of trades across all Euronext markets.



TOP 10 UNDERLYINGS

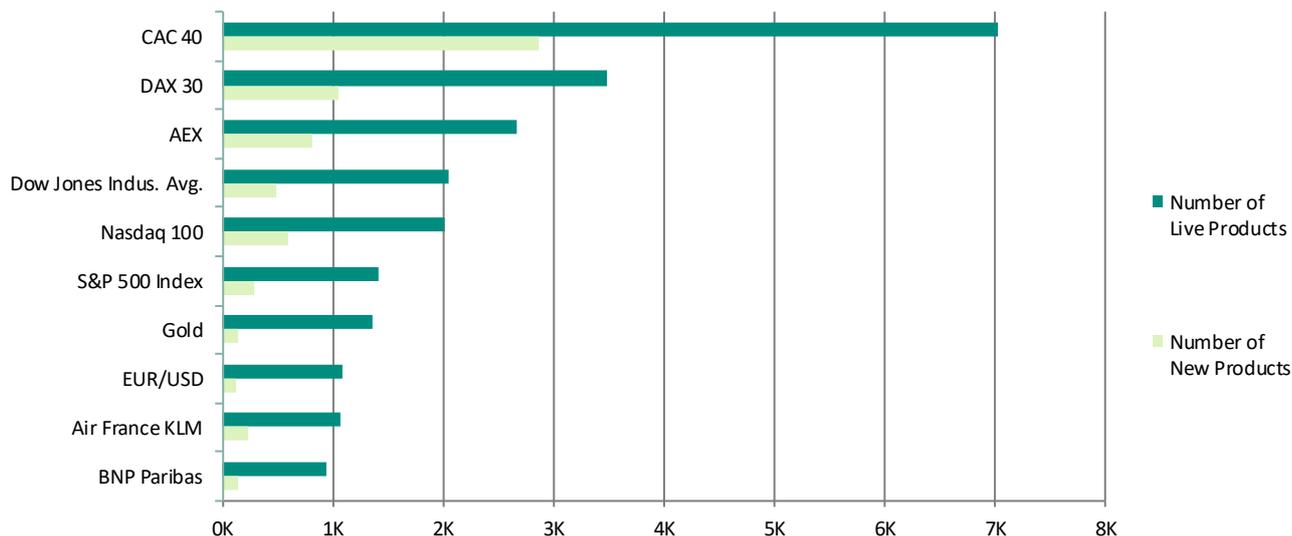
Product Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of all Euronext markets.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying.

Underlyings	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
CAC 40	7,021	-3.5%	-0.1%	9.0%	2,864	-17.2%	-19.6%	18.6%
DAX 30	3,485	-9.9%	3.0%	4.5%	1,057	-31%	-19.6%	6.9%
AEX	2,676	-3.0%	5.2%	3.4%	822	-12.9%	-1.4%	5.3%
Dow Jones Indus. Avg.	2,046	-4.9%	-2.7%	2.6%	492	-44%	-38%	3.2%
Nasdaq 100	2,012	-2.9%	3.9%	2.6%	588	-17.3%	-20%	3.8%
S&P 500 Index	1,412	-3.1%	-4.4%	1.8%	283	-29%	-29%	1.8%
Gold	1,352	-4.8%	5.8%	1.7%	148	-19.1%	-48%	1.0%
EUR/USD	1,090	-7.0%	-14.2%	1.4%	121	10.0%	-47%	0.8%
Air France KLM	1,059	-8.7%	-10.7%	1.4%	227	-33%	-46%	1.5%
BNP Paribas	940	-8.3%	-6.1%	1.2%	132	-50%	-51%	0.9%
Other	54,584	-6.3%	2.7%	70.3%	8,691	-22%	-32%	56.3%
Total	77,677	-6.0%	1.7%	100%	15,425	-22.6%	-28.9%	100%

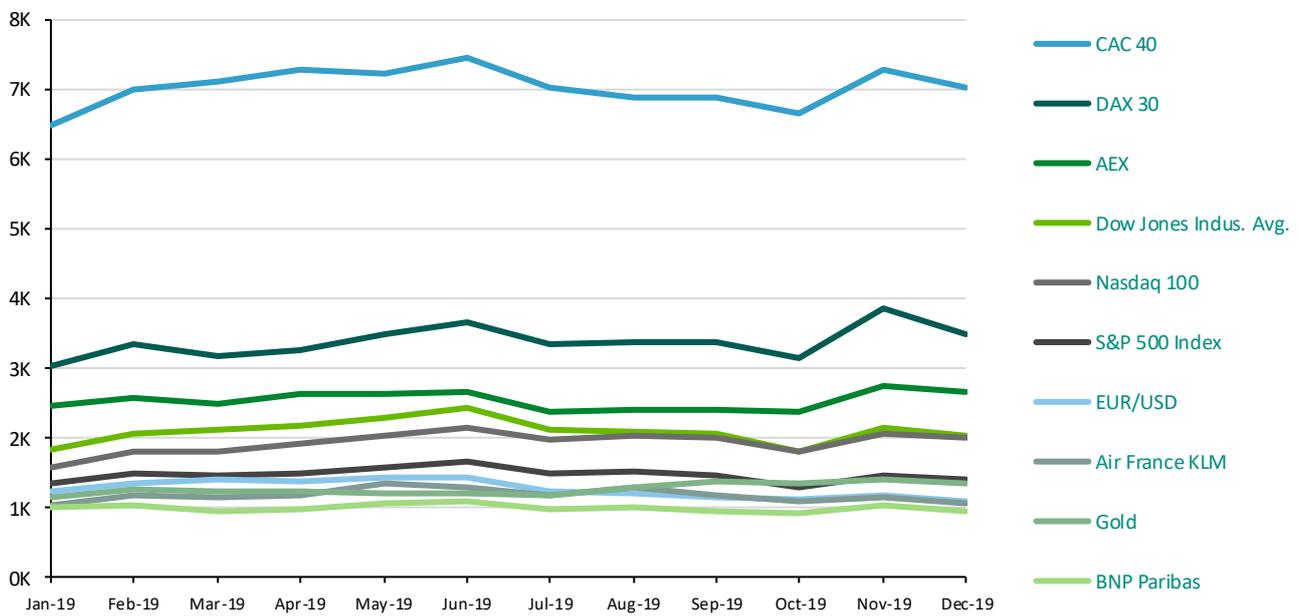
(Source Euronext)



TOP 10 UNDERLYINGS

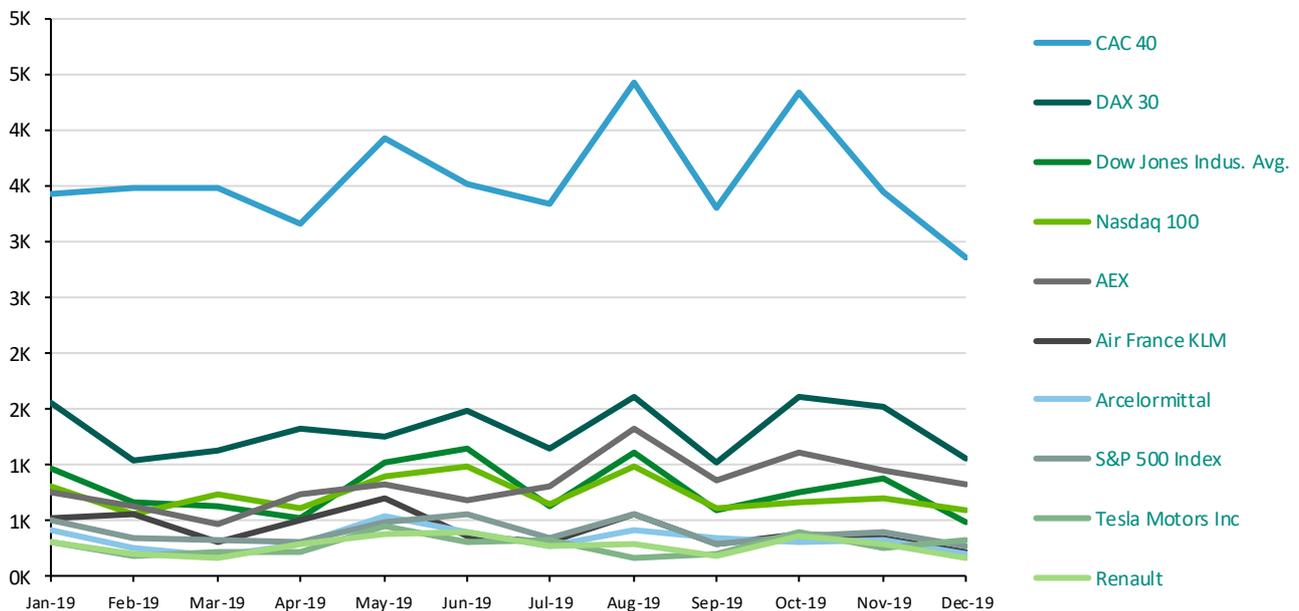
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each top 10 underlying across all Euronext markets.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each top 10 underlying across all Euronext markets.



TOP 50 TRADED PRODUCTS

Top 50 traded products

The table below displays the 50 most traded products (in terms of value traded) across all Euronext markets.

ISIN Code	Issuer	Product Type	Underlying	Value Traded (in €k)	Nb of Trades	
PTBITTYE0094	BCP	1300	Tracker Certificates	MSCI World Index	32,688	1,747
PTBITHYM0080	BCP	1300	Tracker Certificates	S&P 500 Index	22,564	1,202
PTBIVRYE0068	BCP	1300	Tracker Certificates	Euro STOXX 50	18,957	1,294
NL0012969174	BNP Paribas	2100	Warrants	Euro STOXX 50 ETFs	10,895	83
PTBITAYE0046	BCP	1300	Tracker Certificates	S&P 500 Index	8,096	633
NL0013771595	ING	2100	Warrants	Euro STOXX 50 ETFs	6,069	938
PTBITEYE0034	BCP	1300	Tracker Certificates	DAX 30	5,637	263
DE000VF6XJM2	Vontobel	2205	Open-End Knock-Out Warrants	Gold	3,998	92
PTBIWBYE0057	BCP	1300	Tracker Certificates	Nasdaq 100	3,782	147
LU2091973755	KBC	1260	Express Certificates	STOXX 600 Banks Index	3,500	5
PTBIYZYE0040	BCP	1300	Tracker Certificates	Dow Jones Indus. Avg.	3,143	190
PTBIXRYE0025	BCP	1300	Tracker Certificates	IBEX 35	2,965	162
PTBIWKYE0023	BCP	1300	Tracker Certificates	CAC 40	2,888	173
DE000CD5NZY1	Commerzbank	2300	Constant Leverage Certificate	CAC 40	2,758	670
DE000CU1EEG0	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	2,540	4,110
FR0013217940	Société Générale	2300	Constant Leverage Certificate	CAC 40 x15 Leveraged Index	2,423	322
NL0014041287	BNP Paribas	2210	Mini-Futures	Dow Jones Indus. Avg.	2,409	108
FR0013188612	Société Générale	2300	Constant Leverage Certificate	CAC 40 x15 Leveraged Index	2,273	357
NL0013885494	ING	2205	Open-End Knock-Out Warrants	ICE BRENT	2,272	524
NL0013602949	Goldman Sachs	2210	Mini-Futures	AEX	2,156	34
NL0013751472	BNP Paribas	2210	Mini-Futures	Gold	2,072	177
NL0013500101	ING	2205	Open-End Knock-Out Warrants	Galapagos NV	2,023	159
FR0010511535	Société Générale	1300	Tracker Certificates	Brent	2,014	115
NL0014057010	BNP Paribas	2210	Mini-Futures	AEX	1,999	351
NL0014053340	BNP Paribas	2210	Mini-Futures	AEX	1,974	196
NL0013979453	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,930	548
PTBCS1YE0010	BCP	1300	Tracker Certificates	Nikkei 225 Index	1,919	185
NL0011539267	BNP Paribas	2205	Open-End Knock-Out Warrants	Heineken	1,850	23
NL0013588791	BNP Paribas	2210	Mini-Futures	Gold	1,827	148
NL0013893969	ING	2205	Open-End Knock-Out Warrants	Galapagos NV	1,766	117
NL0013990120	BNP Paribas	2210	Mini-Futures	ICE BRENT	1,739	72
NL0014044331	BNP Paribas	2210	Mini-Futures	AEX	1,724	321
NL0014047904	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,720	335
LU1815432486	Société Générale	1300	Tracker Certificates	CAC 40 x15 Short Index	1,656	500
NL0014053431	BNP Paribas	2210	Mini-Futures	Dow Jones Indus. Avg.	1,656	66
NL0014041659	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,623	403
NL0013989783	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,616	410
LU2091973243	KBC	1260	Express Certificates	STOXX 600 Banks Index	1,500	2
NL0013894108	ING	2205	Open-End Knock-Out Warrants	Galapagos NV	1,476	146
PTBIY1YE0064	BCP	1300	Tracker Certificates	PSI 20 Index	1,471	213
NL0014053597	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,438	492
FR0013408291	Commerzbank	1250	Capped Bonus Certificates	Vallourec	1,372	22
LU1815432056	Société Générale	1300	Tracker Certificates	CAC 40 x10 Short Index	1,368	205
NL0014051047	BNP Paribas	1250	Capped Bonus Certificates	Euro STOXX 50	1,365	26
NL0013990542	BNP Paribas	2210	Mini-Futures	AEX	1,332	138
LU1946368492	Société Générale	2100	Warrants	Intel	1,314	78
NL0013735228	Goldman Sachs	2210	Mini-Futures	Altice	1,306	35
DE000VF9JGF5	Vontobel	2205	Open-End Knock-Out Warrants	AEX	1,300	356
NL0013990112	BNP Paribas	2210	Mini-Futures	ICE BRENT	1,286	51
DE000CU6HSE7	Commerzbank	2200	Knock-Out Warrants	DAX 30	1,265	12

(Source Euronext)



Euronext Amsterdam

ISSUERS

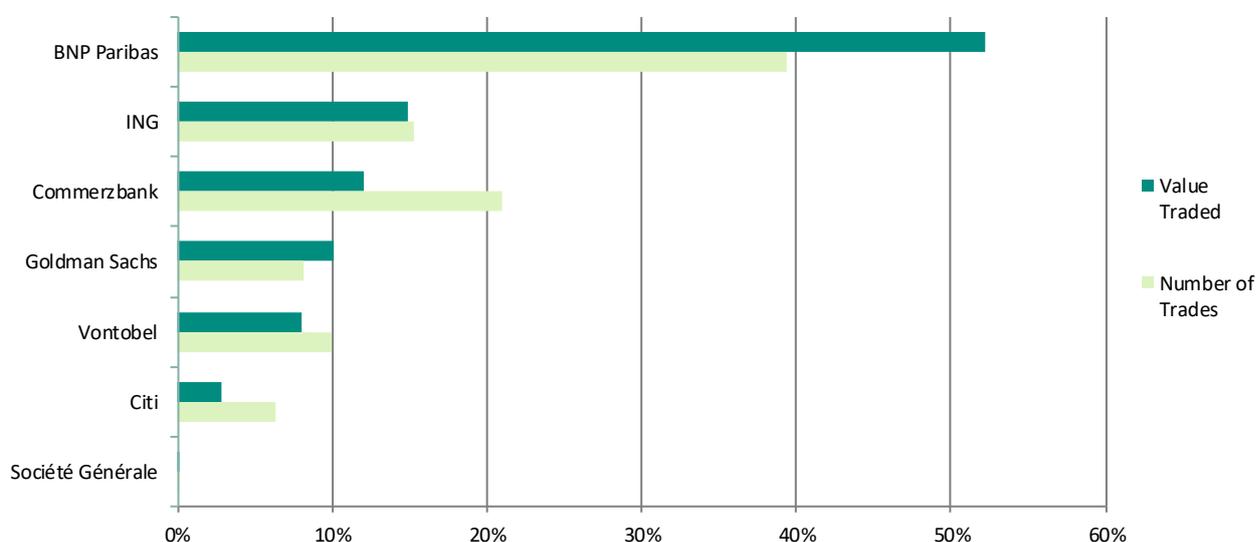
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the weight of each issuer in terms of value traded and number of trades.

Issuers	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
BNP Paribas	8,876	-0.2%	3.5%	52.1%	2,424	3.7%	-6.8%	39.3%
ING	2,533	25%	-14.2%	14.9%	938	3.5%	-10.6%	15.2%
Commerzbank	2,042	-13.7%	-8.7%	12.0%	1,295	0.2%	2.4%	21.0%
Goldman Sachs	1,708	16.0%	-28%	10.0%	501	9.7%	-41.5%	8.1%
Vontobel	1,368	13.2%	4.4%	8.0%	616	4.7%	-25.2%	10.0%
Citi	490	-8.4%	-26%	2.9%	389	-12.6%	-29.8%	6.3%
Société Générale	4	-84%	-94%	0.0%	2.6	-86.5%	-95.7%	0.0%
Total	17,021	3.0%	-6.3%	100%	6,165	2.0%	-14.5%	100%

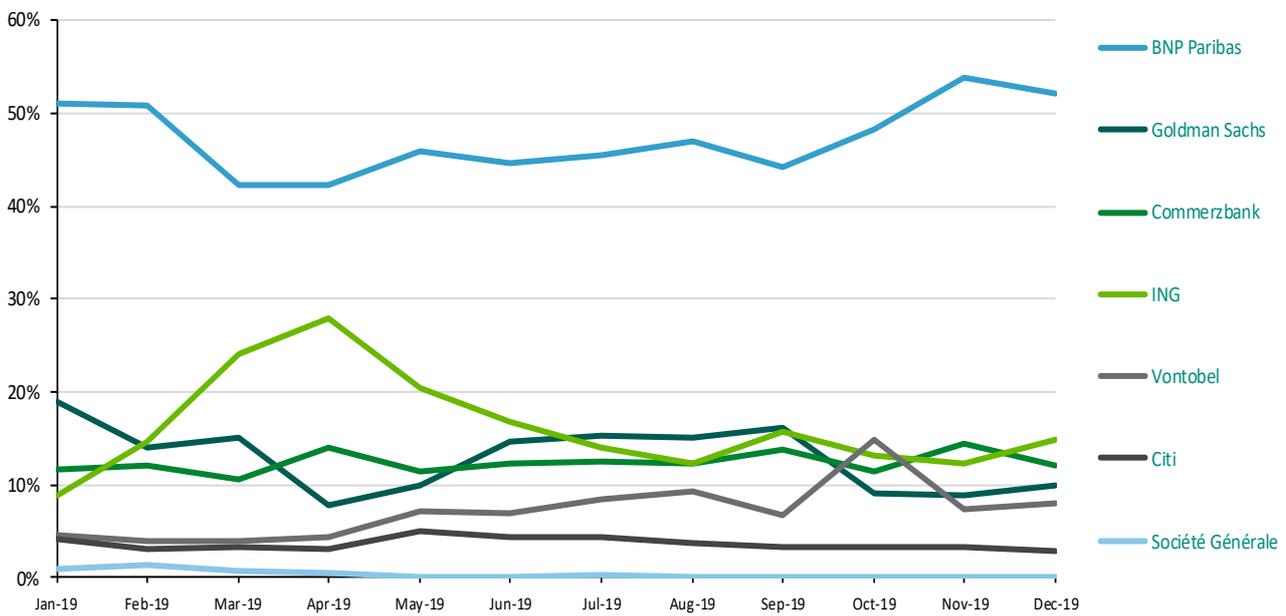
(Source Euronext)



ISSUERS

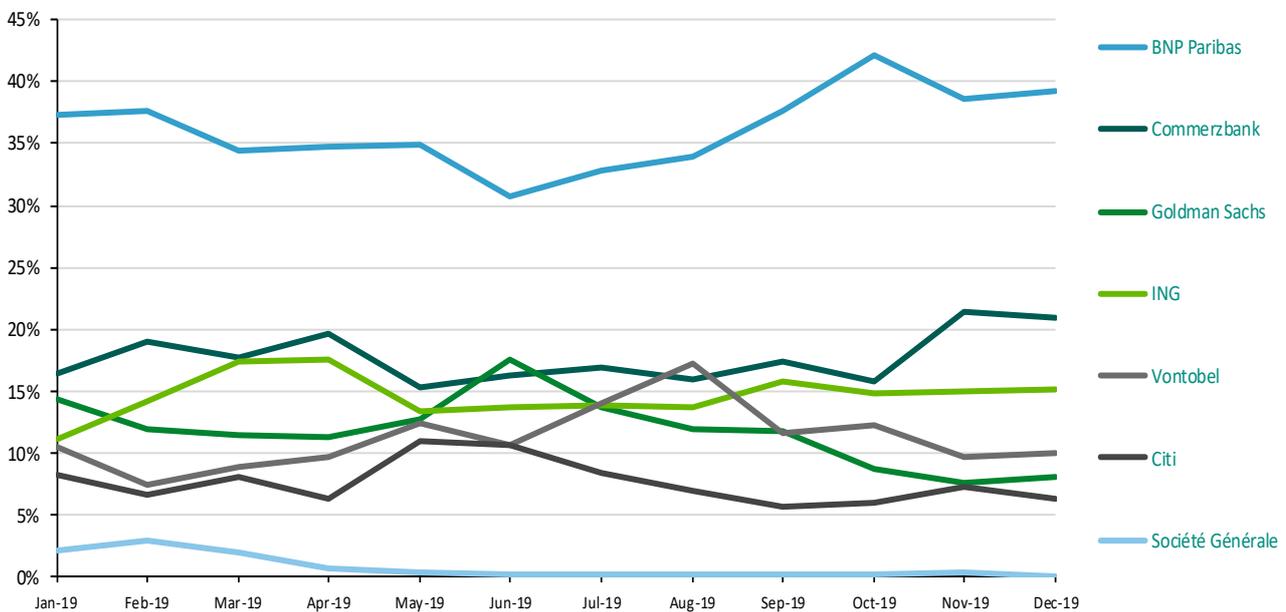
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each issuer over the total value traded on Euronext Amsterdam.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each issuer over the total number of trades on Euronext Amsterdam.



ISSUERS

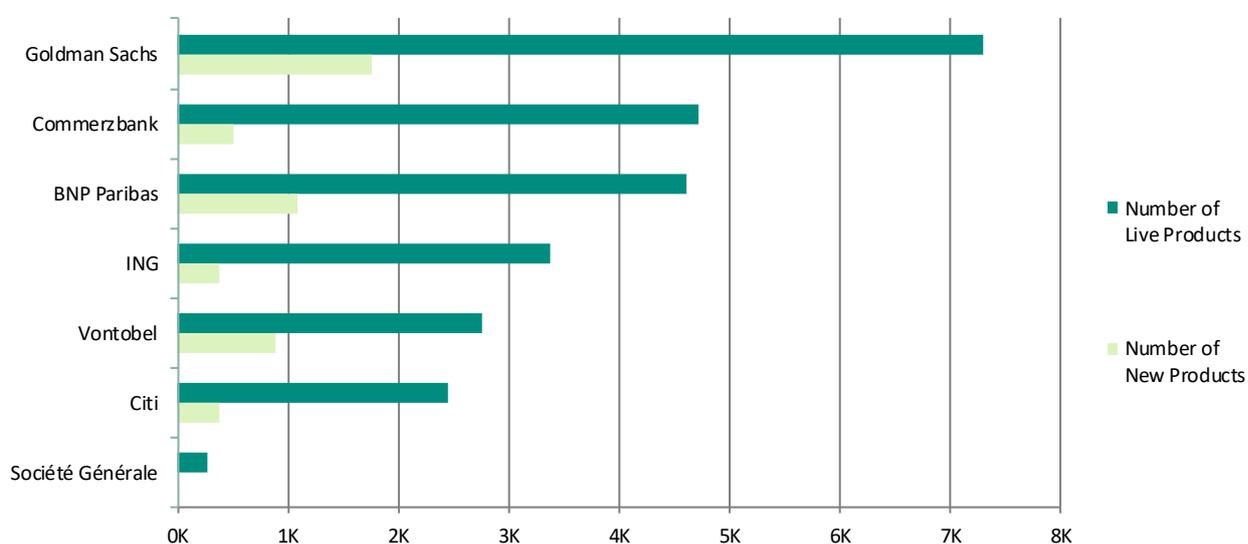
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the number of live products and number of new products for each issuer.

Issuers	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Goldman Sachs	7,310	-7.6%	17.9%	28.7%	1,753	-7.3%	-18.8%	35.1%
Commerzbank	4,729	0.2%	10.1%	18.5%	506	-43%	-36%	10.1%
BNP Paribas	4,616	-12.6%	3.4%	18.1%	1,087	-17.7%	-6.7%	21.7%
ING	3,383	-3.0%	11.5%	13.3%	384	-32%	-14.2%	7.7%
Vontobel	2,749	2.1%	10.9%	10.8%	895	-13.0%	-19.2%	17.9%
Citi	2,443	-0.4%	6.2%	9.6%	373	10.0%	-28%	7.5%
Société Générale	272	-2.1%	-27%	1.1%	0		-100%	0.0%
Total	25,501	-4.9%	10.2%	100%	4,998	-17.1%	-19.6%	100%

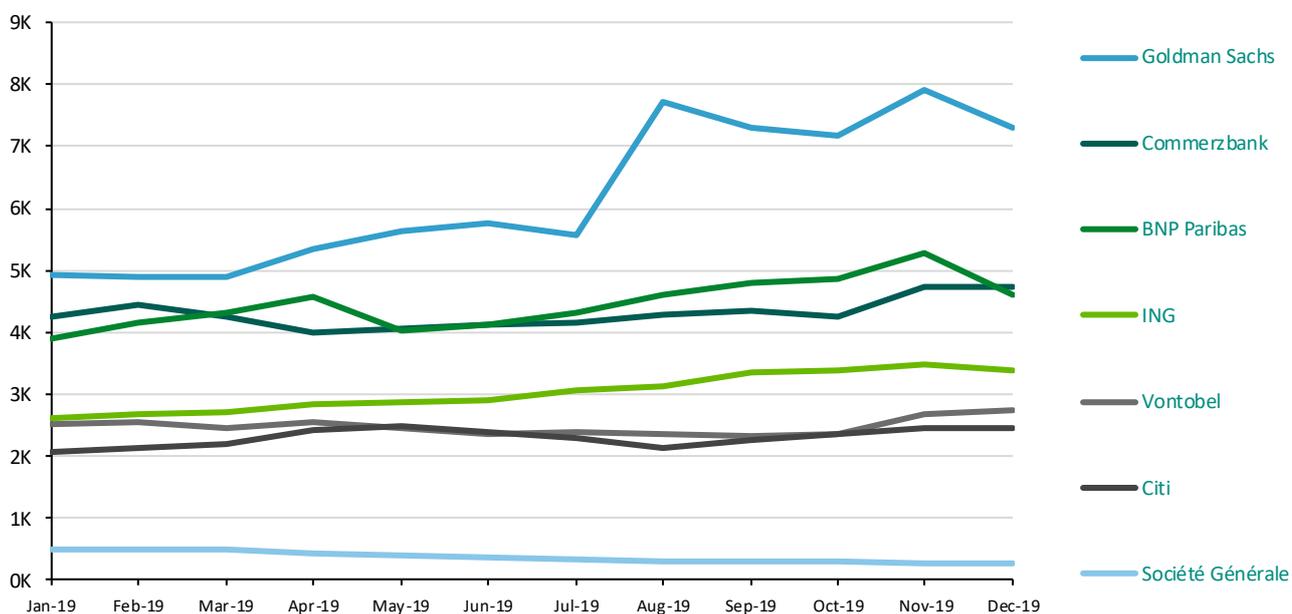
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ISSUERS

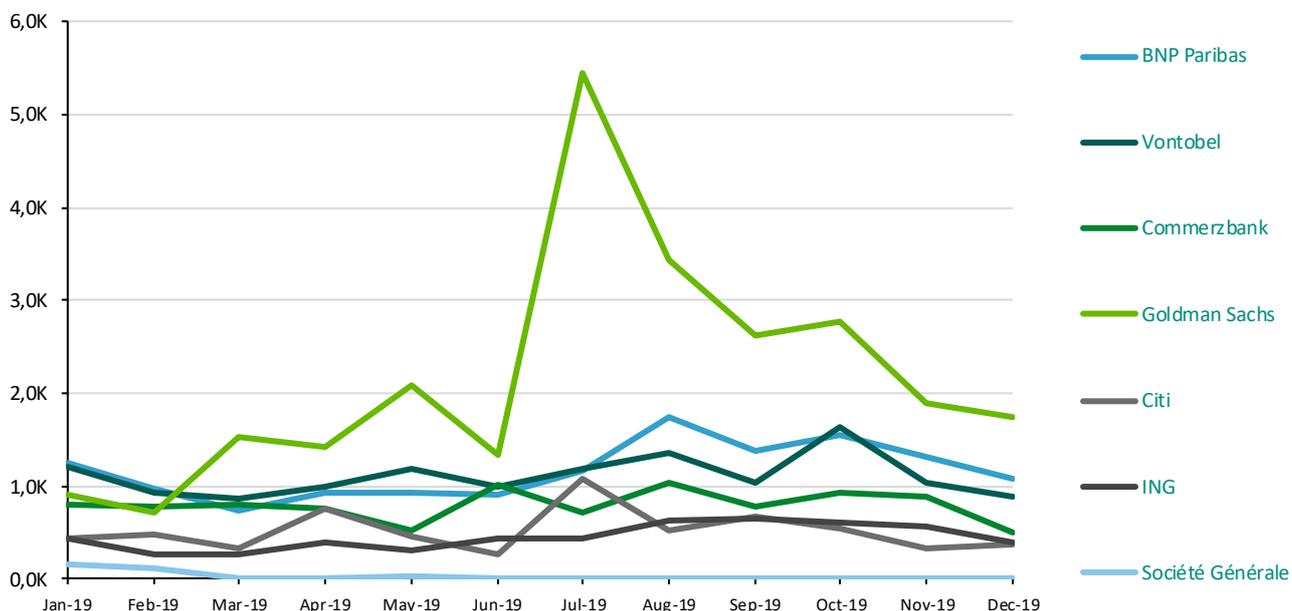
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each issuer on Euronext Amsterdam.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each issuer on Euronext Amsterdam.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

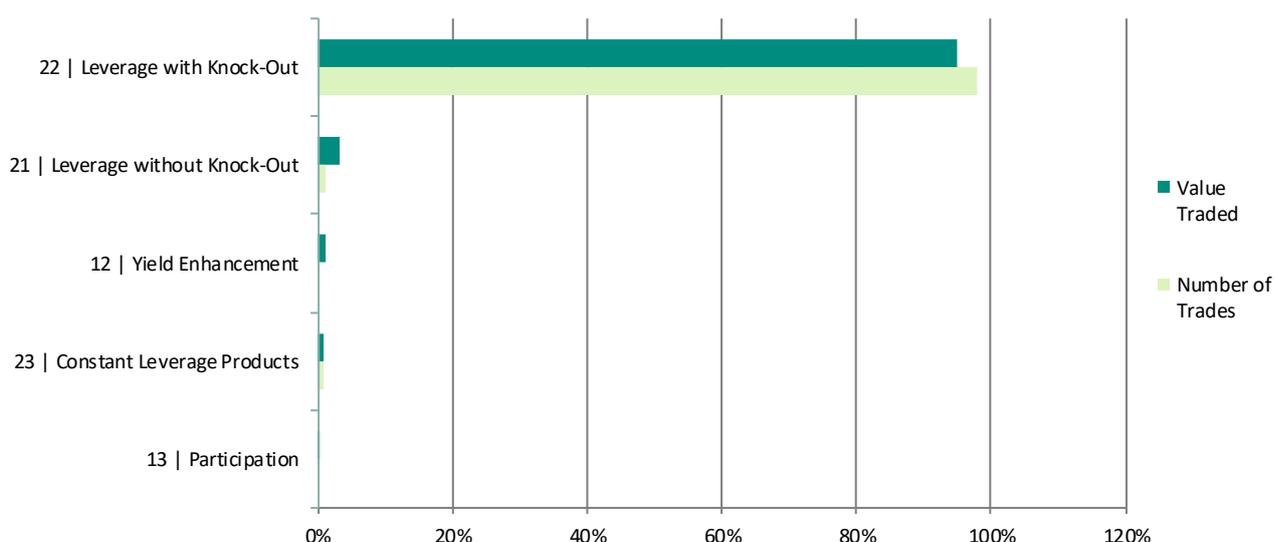
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 2)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
22 Leverage with Knock-Out	16,156	2.7%	-1.8%	94.9%	6,029	2.1%	-13.5%	97.8%
21 Leverage without Knock-Out	521	7.2%	-62%	3.1%	77	-0.4%	-53.6%	1.2%
12 Yield Enhancement	203	68%	-1.5%	1.2%	14	6.5%	-29.9%	0.2%
23 Constant Leverage Products	121	-10.6%	-4.6%	0.7%	42	1.2%	-15.0%	0.7%
13 Participation	20	-55%	-44%	0.1%	3.6	-53.3%	-23.1%	0.1%
Total	17,021	3.0%	-6.3%	100%	6,165	2.0%	-14.5%	100%

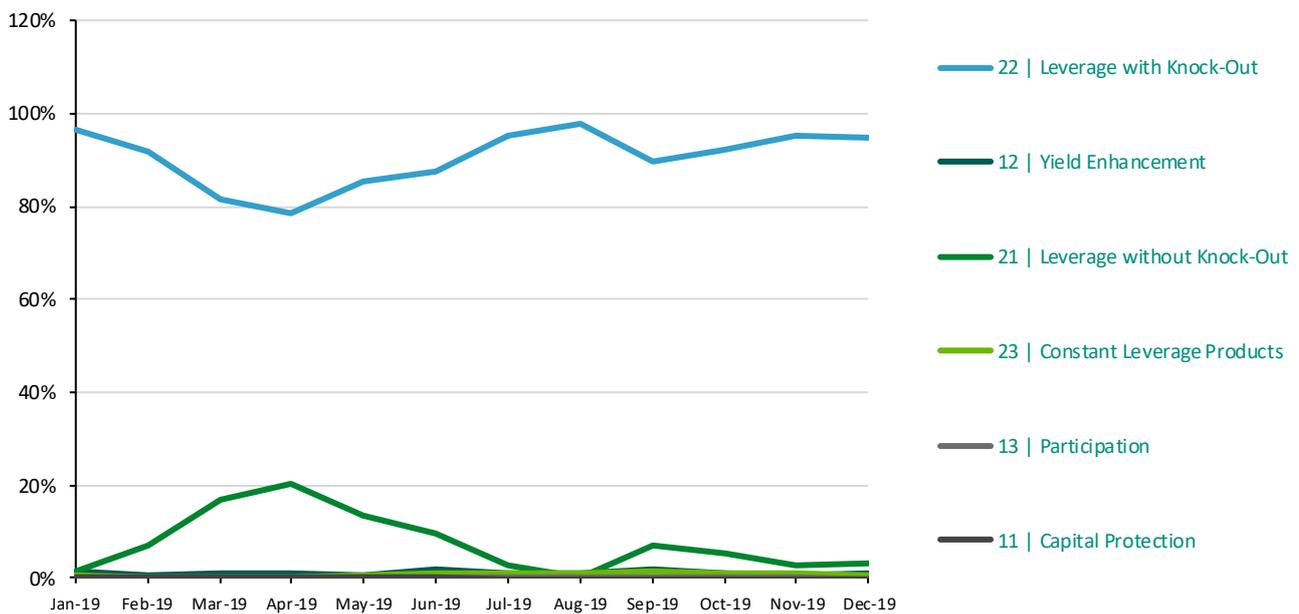
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

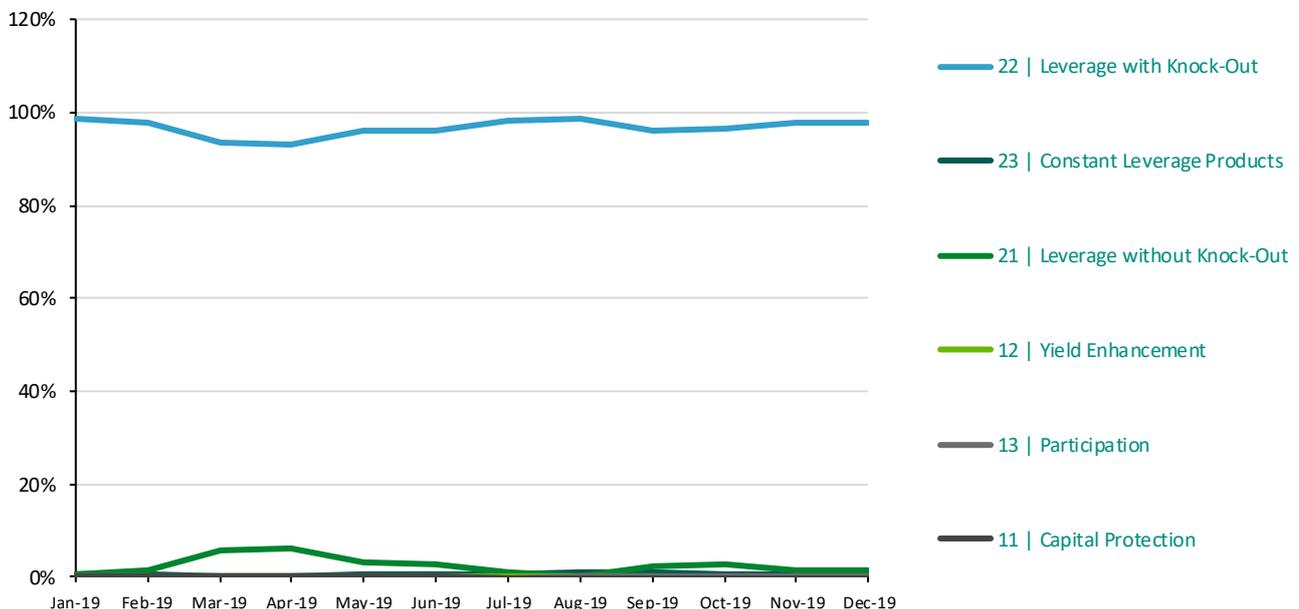
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Amsterdam.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Amsterdam.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

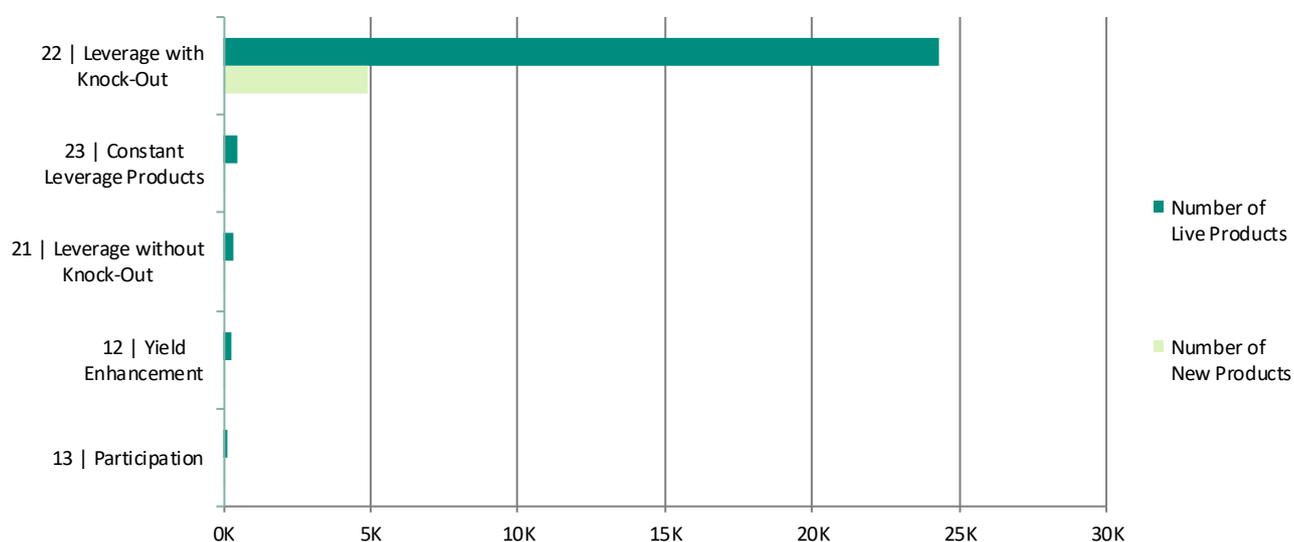
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 2)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
22 Leverage with Knock-Out	24,321	-5.2%	9.6%	95.4%	4,921	-14.0%	-19.5%	98.5%
23 Constant Leverage Products	451	17.7%	61%	1.8%	31	-79%	17.7%	0.6%
21 Leverage without Knock-Out	330	-3.9%	16.1%	1.3%	18	-77%	-58%	0.4%
12 Yield Enhancement	257	-9.8%	1.2%	1.0%	22	-65%	-22%	0.4%
13 Participation	141	-0.3%	5.3%	0.6%	6	-63%	-20.0%	0.1%
Total	25,501	-4.9%	10.2%	100%	4,998	-17.1%	-19.6%	100%

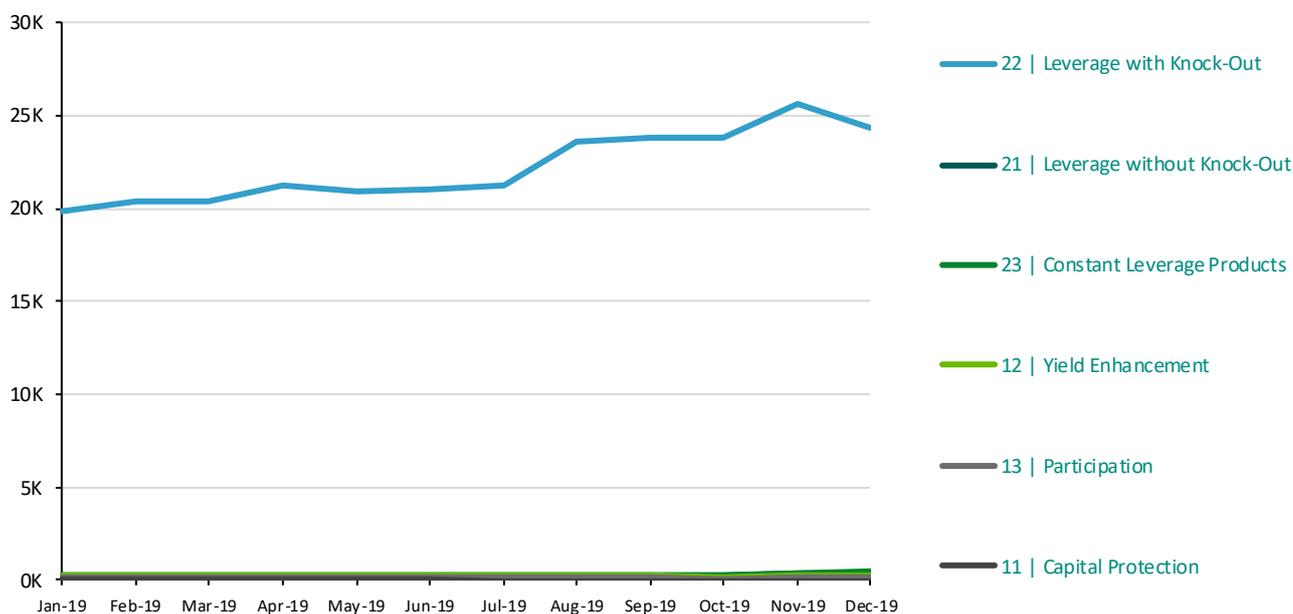
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Amsterdam.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Amsterdam.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

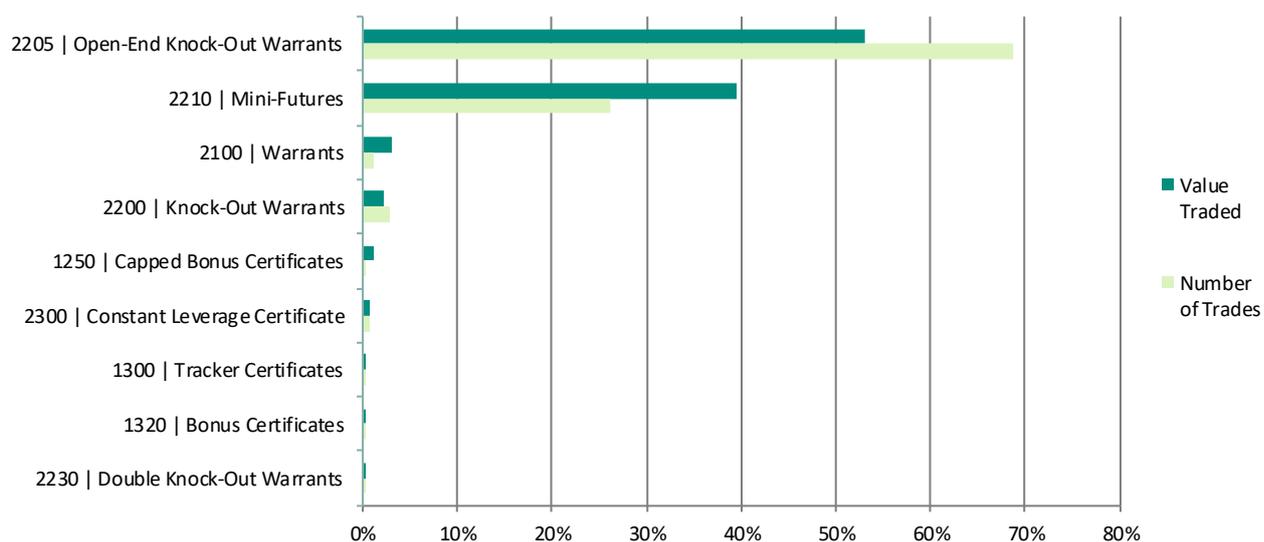
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 3)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
2205 Open-End Knock-Out Warrants	9,033	2.6%	-5.2%	53.1%	4,239	6.7%	-10.0%	68.8%
2210 Mini-Futures	6,733	3.7%	4.2%	39.6%	1,613	-3.2%	-13.6%	26.2%
2100 Warrants	521	7.2%	-62%	3.1%	77	-0.4%	-54%	1.2%
2200 Knock-Out Warrants	390	-10.0%	-15.3%	2.3%	176	-34%	-55%	2.9%
1250 Capped Bonus Certificates	203	68%	-1.5%	1.2%	14	6.5%	-30%	0.2%
2300 Constant Leverage Certificate	121	-10.6%	-4.6%	0.7%	42	1.2%	-15.0%	0.7%
1300 Tracker Certificates	18	-21%	-33%	0.1%	2.6	5.0%	2.1%	0.0%
1320 Bonus Certificates	2	-90%	-77%	0.0%	1.1	-80%	-52%	0.0%
2230 Double Knock-Out Warrants	0	-87%	-90%	0.0%	0.2	-74%	-79%	0.0%
Total	17,021	3.0%	-6.3%	100%	6,165	2.0%	-14.5%	100%

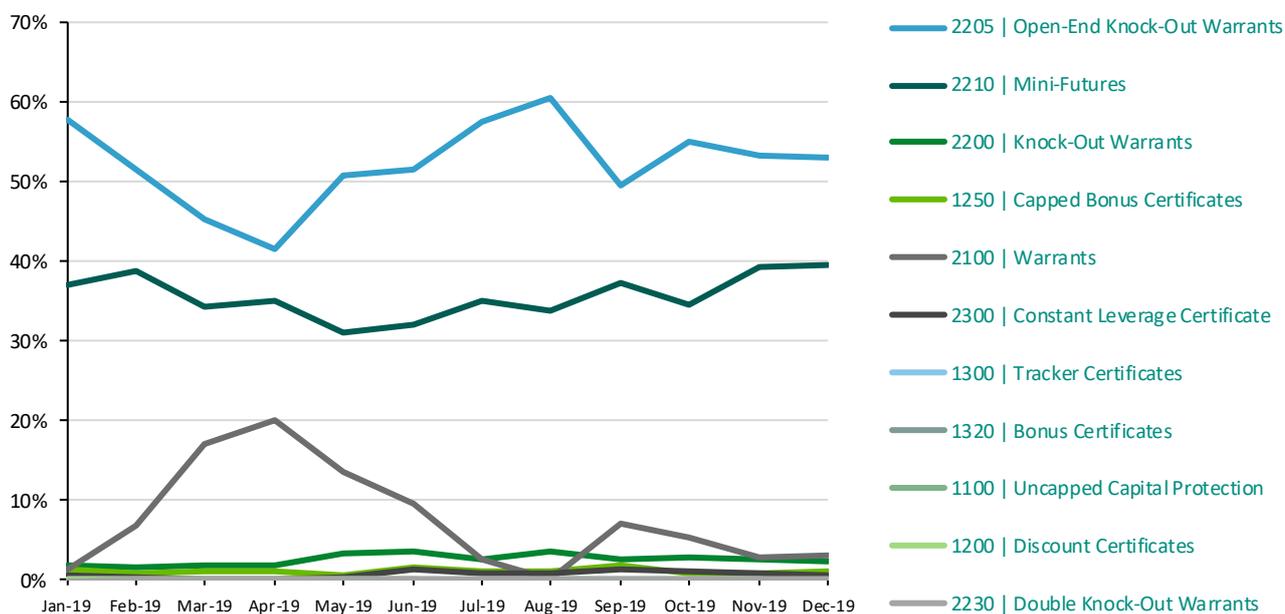
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

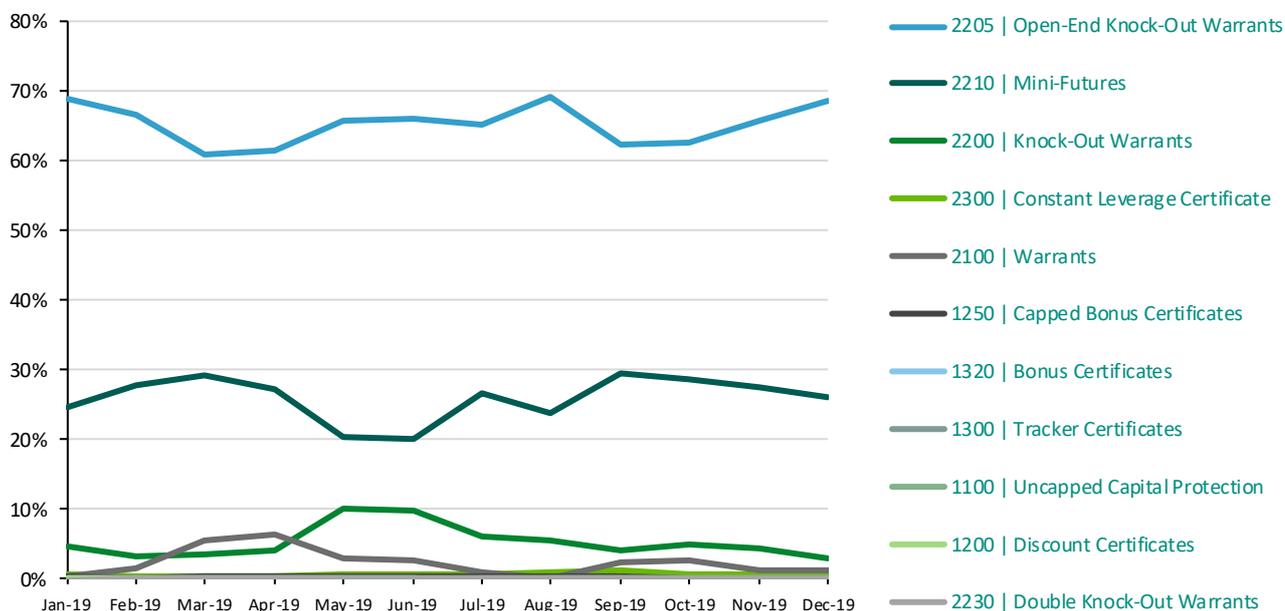
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Amsterdam.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Amsterdam.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

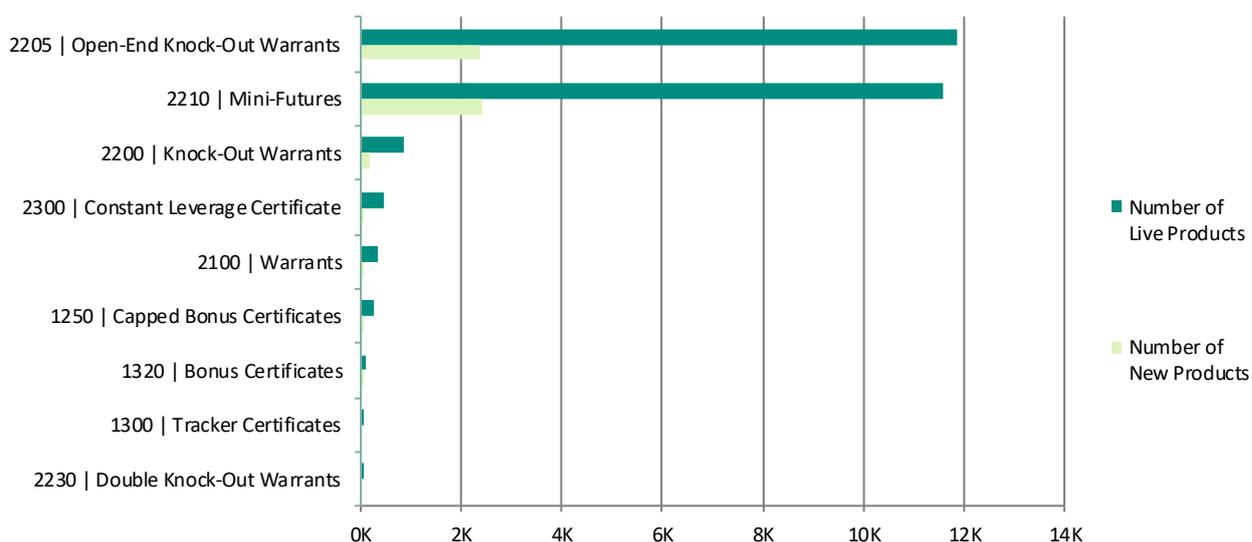
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 3)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
2205 Open-End Knock-Out Warrants	11,870	-3.7%	11.3%	46.5%	2,369	-12.9%	-20%	47.4%
2210 Mini-Futures	11,579	-5.9%	9.2%	45.4%	2,395	-13.1%	-11.3%	47.9%
2200 Knock-Out Warrants	850	-14.2%	-4.3%	3.3%	157	-36%	-63%	3.1%
2300 Constant Leverage Certificate	451	17.7%	61%	1.8%	31	-79%	17.7%	0.6%
2100 Warrants	330	-3.9%	16.1%	1.3%	18	-77%	-58%	0.4%
1250 Capped Bonus Certificates	251	-10.0%	0.1%	1.0%	22	-65%	-21%	0.4%
1320 Bonus Certificates	86	2.8%	12.5%	0.3%	6	-63%	-17.2%	0.1%
1300 Tracker Certificates	55	-4.8%	-4.2%	0.2%	0		-100%	0.0%
2230 Double Knock-Out Warrants	22	-35%	-38%	0.1%	0		-100%	0.0%
Total	25,501	-4.9%	10.2%	100%	4,998	-17.1%	-19.6%	100%

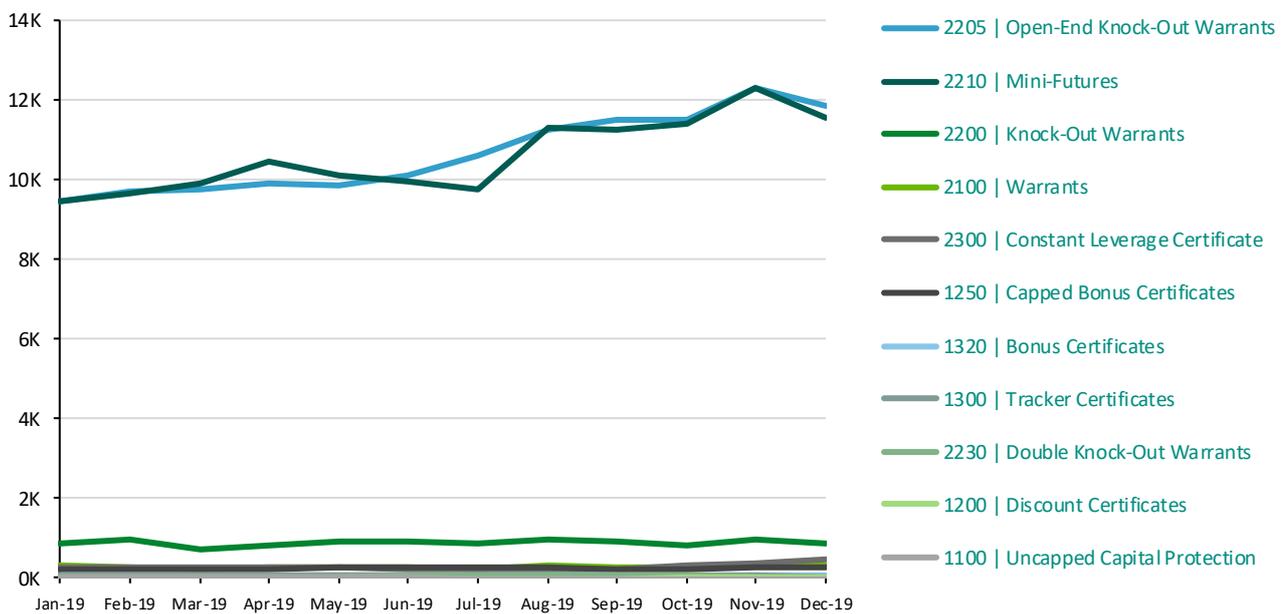
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

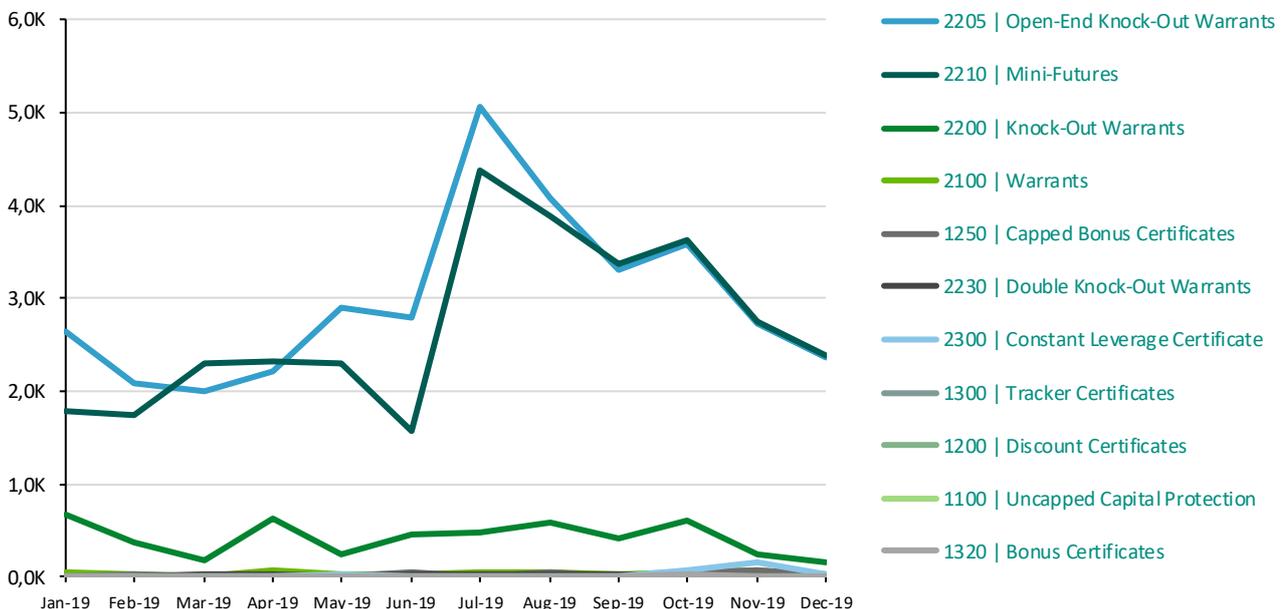
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Amsterdam.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Amsterdam.



PRODUCT STRATEGIES

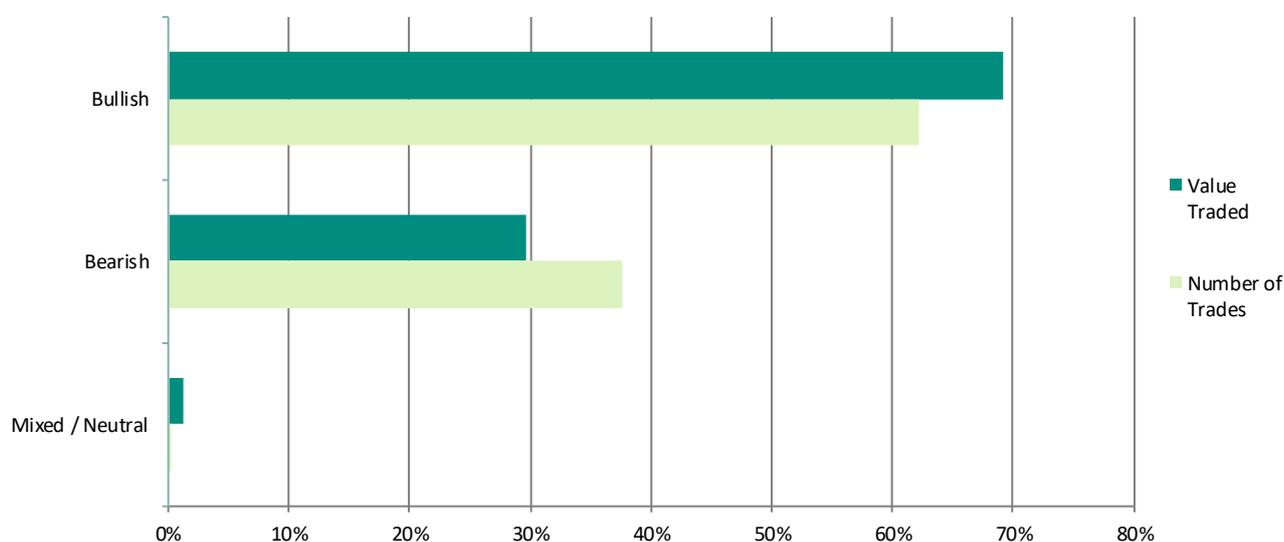
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the weight of each product strategy in terms of value traded and number of trades.

Product Strategies	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Bullish	11,778	2.5%	-4.3%	69.2%	3,833	2.7%	-13.8%	62.2%
Bearish	5,041	2.8%	-10.9%	29.6%	2,318	0.8%	-15.4%	37.6%
Mixed / Neutral	203	68%	-1.6%	1.2%	15	3.2%	-32%	0.2%
Total	17,021	3.0%	-6.3%	100%	6,165	2.0%	-14.5%	100%

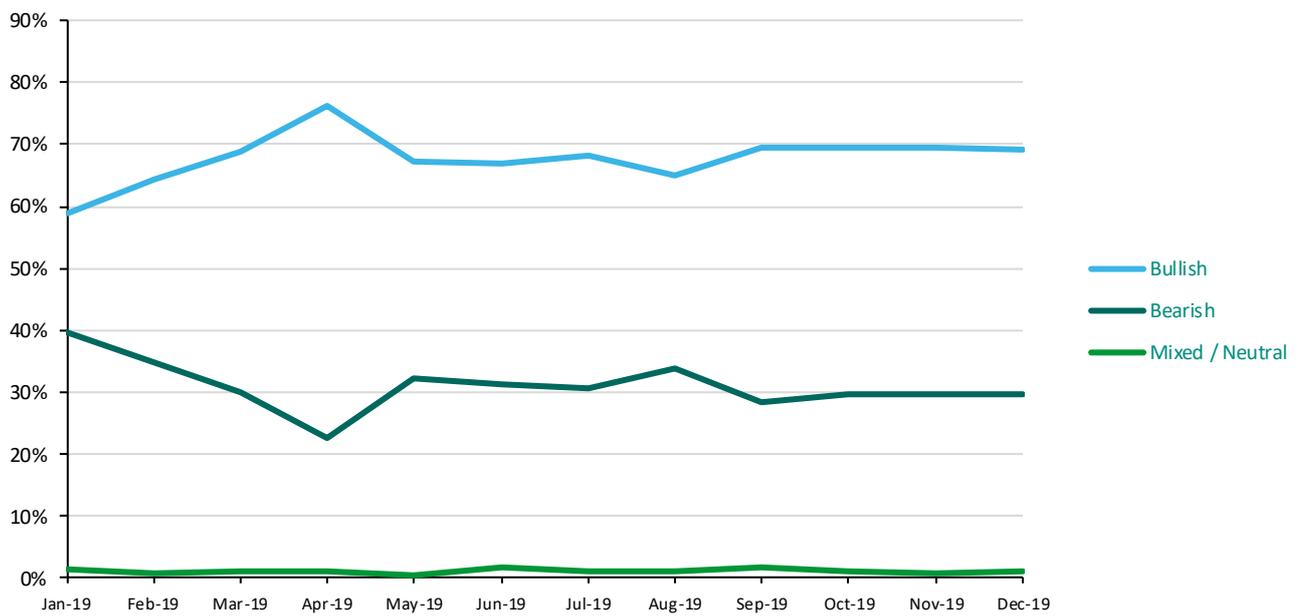
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PRODUCT STRATEGIES

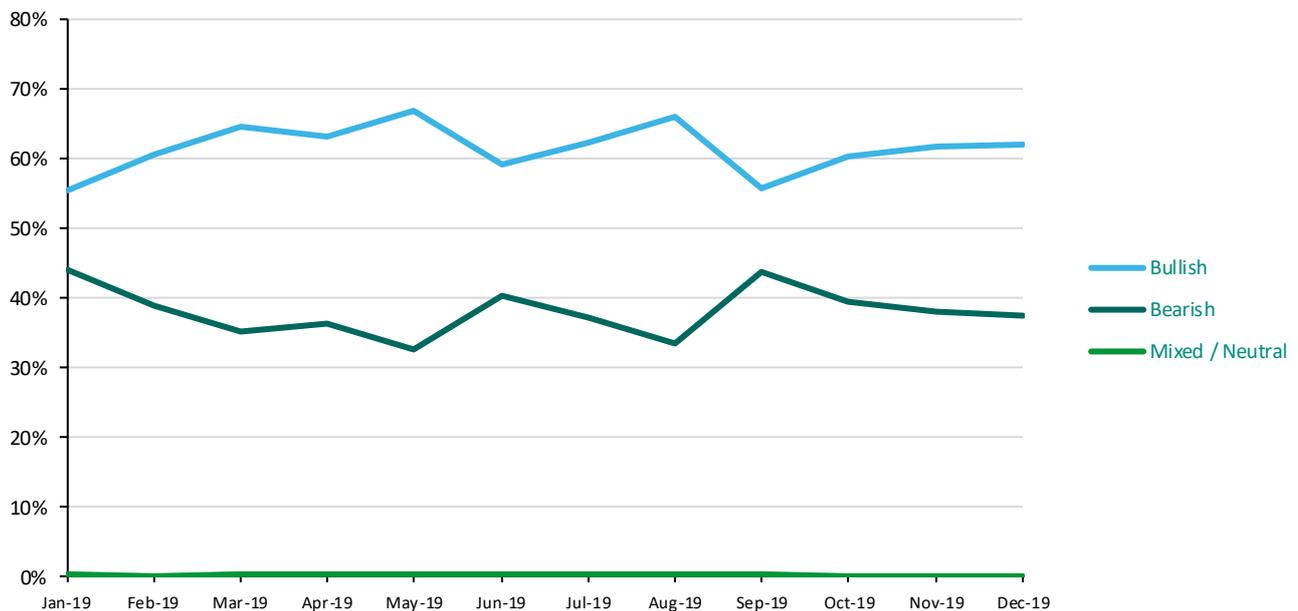
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Amsterdam.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Amsterdam.



PRODUCT STRATEGIES

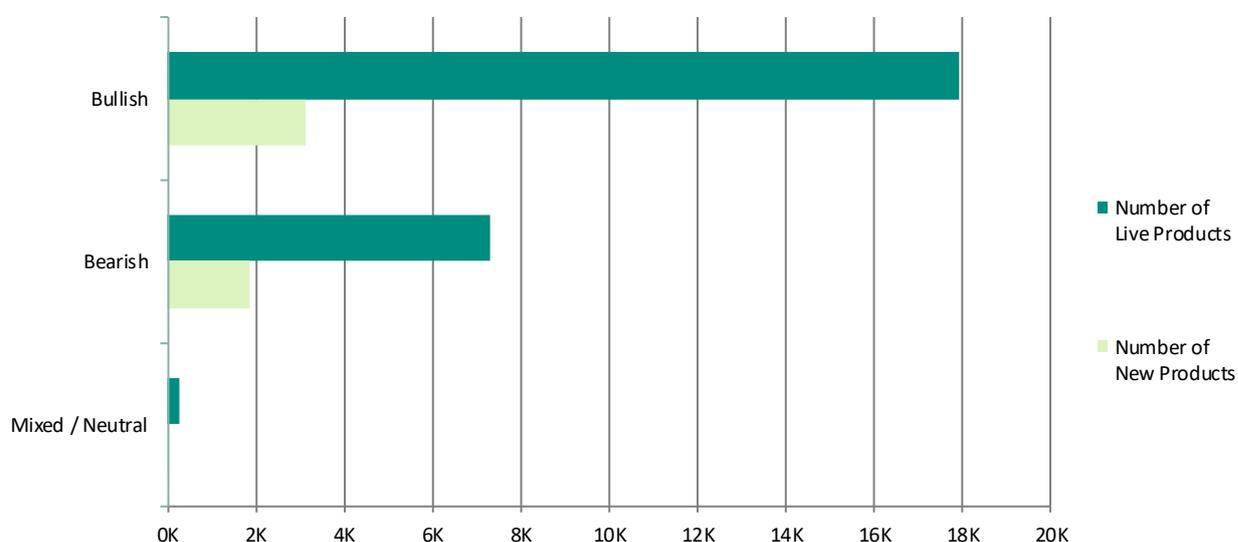
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the number of live products and number of new products for each product strategy.

Strategies	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Bullish	17,937	-3.6%	19.0%	70.3%	3,130	-13.8%	-16.3%	62.6%
Bearish	7,284	-7.8%	-6.5%	28.6%	1,846	-21%	-24%	36.9%
Mixed / Neutral	280	-12.5%	-3.6%	1.1%	22	-65%	-49%	0.4%
Total	25,501	-4.9%	10.2%	100%	4,998	-17.1%	-19.6%	100%

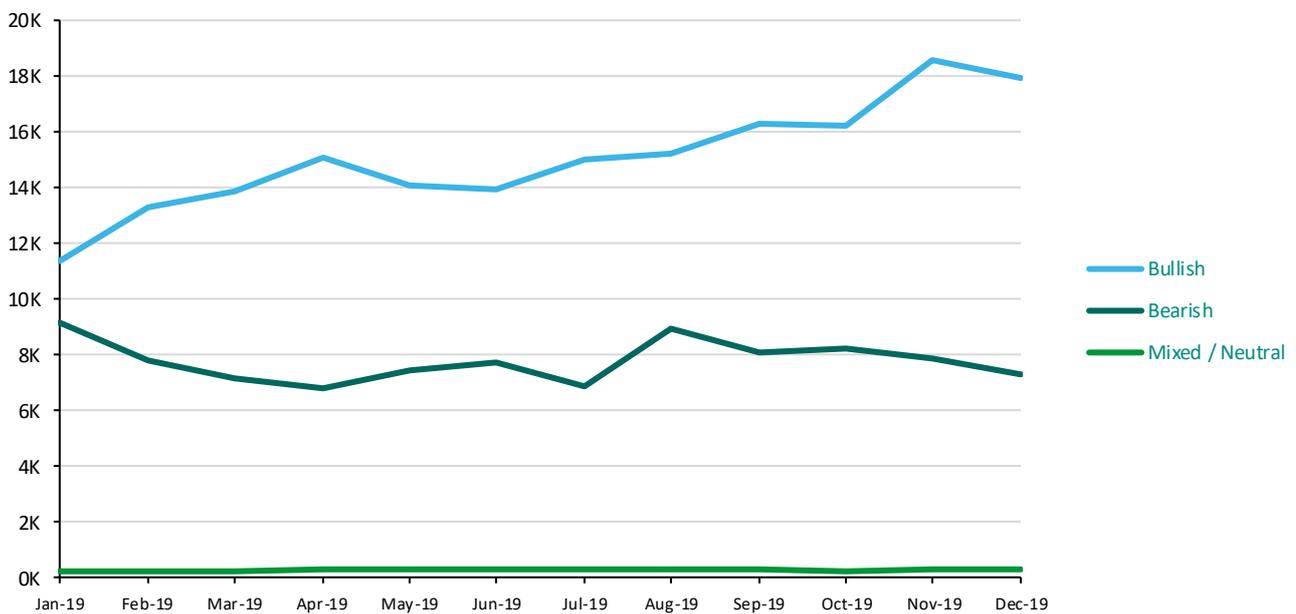
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PRODUCT STRATEGIES

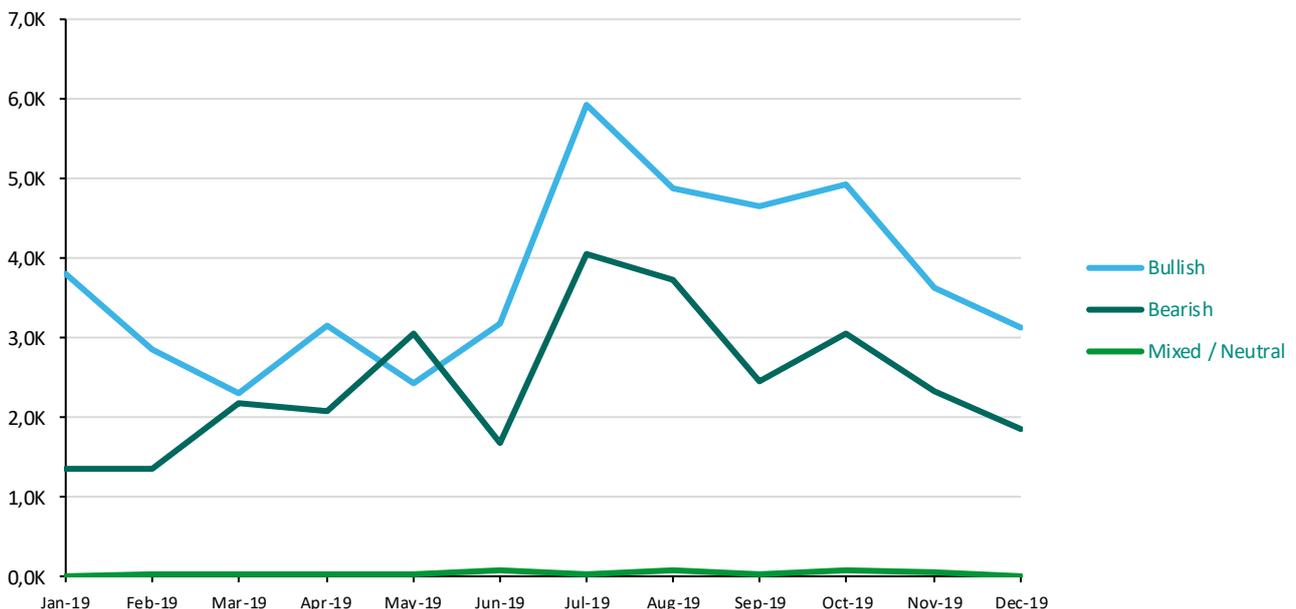
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Amsterdam.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Amsterdam.



UNDERLYING TYPES

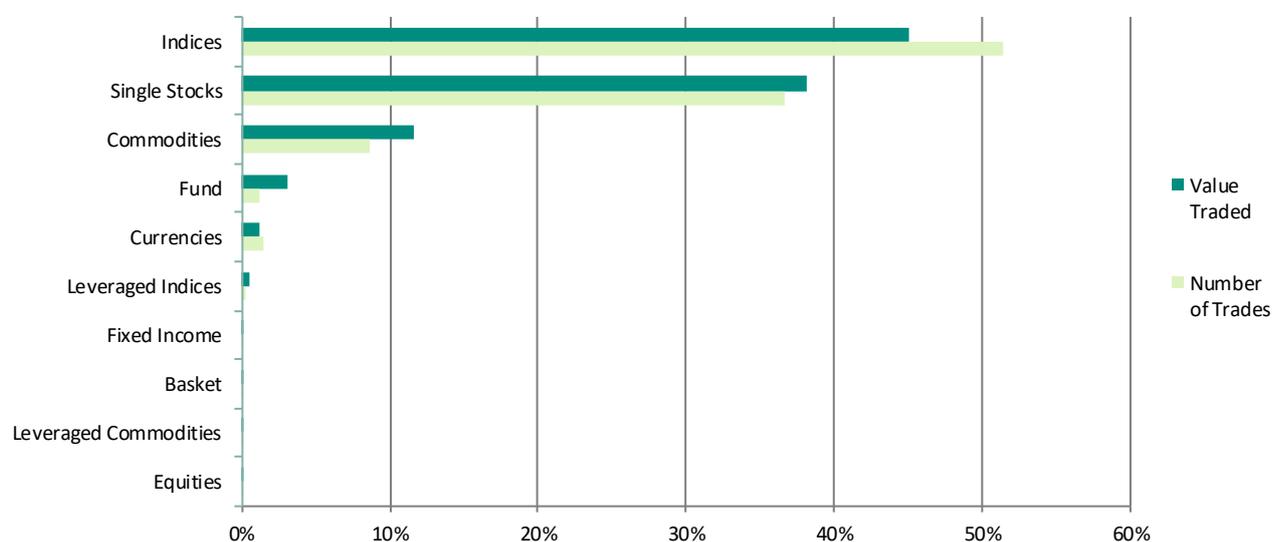
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the weight of each underlying type in terms of value traded and number of trades.

Underlying Types	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Indices	7,673	17.9%	-11.8%	45.1%	3,170	19.0%	-16.2%	51.4%
Single Stocks	6,508	0.4%	17.4%	38.2%	2,262	-7.5%	-7.2%	36.7%
Commodities	1,984	-26%	-2.0%	11.7%	530	-26.4%	-16.4%	8.6%
Fund	517	7.1%	-62%	3.0%	76	-0.2%	-53.6%	1.2%
Currencies	199	5.7%	-52%	1.2%	89	-12.3%	-36.1%	1.4%
Leveraged Indices	89	-7.9%	34%	0.5%	17	34.2%	-7.8%	0.3%
Fixed Income	27	-15.6%	-15.8%	0.2%	9.7	-22.8%	-45.3%	0.2%
Basket	13	21%	-15.6%	0.1%	1.5	31.3%	17.7%	0.0%
Leveraged Commodities	11	-38%	-60%	0.1%	9.7	-12.2%	-19.3%	0.2%
Equities	0		121%	0.0%	0.1		59.4%	0.0%
Total	17,021	3.0%	-6.3%	100%	6,165	2.0%	-14.5%	100%

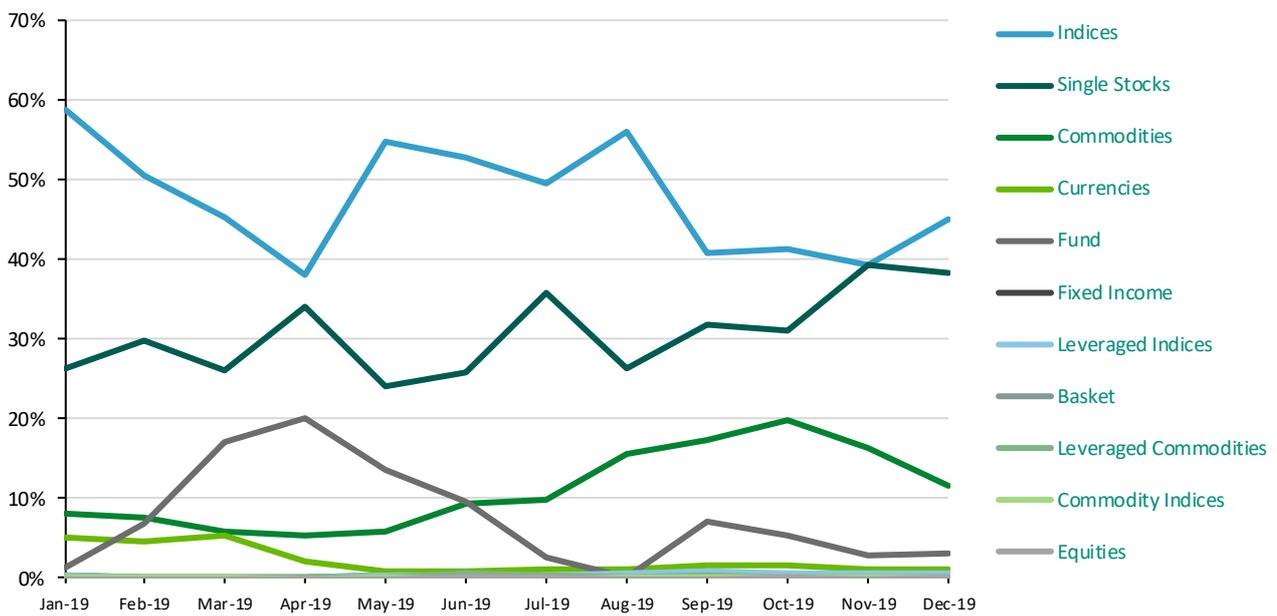
(Source Euronext)



UNDERLYING TYPES

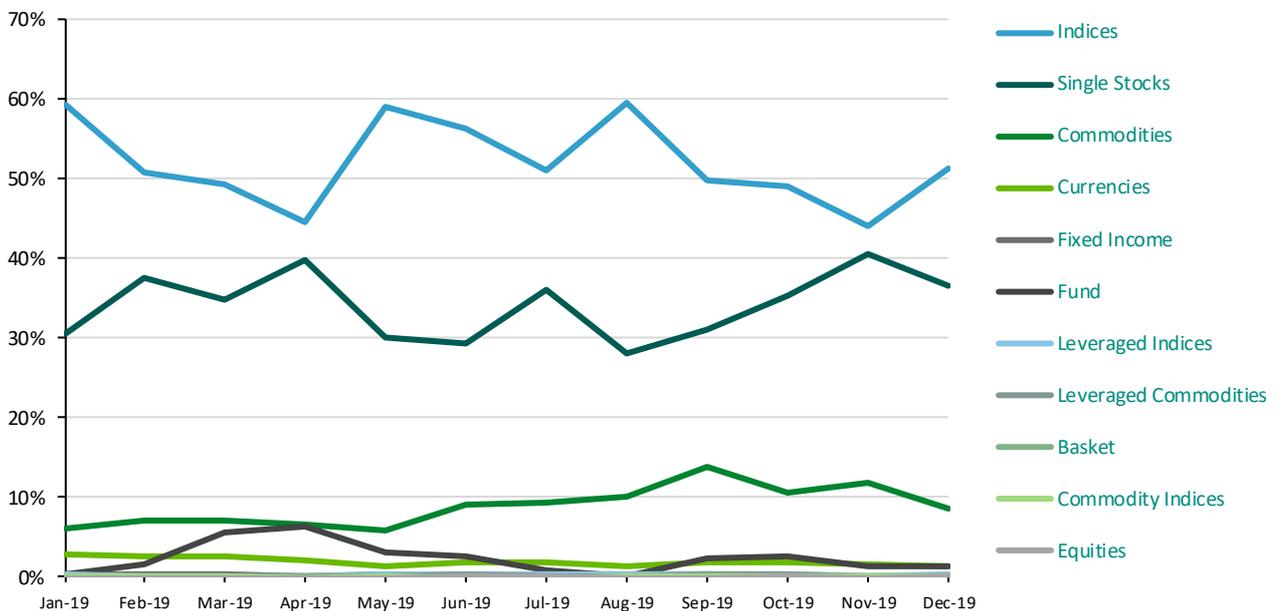
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying type over the total value traded on Euronext Amsterdam.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each underlying type over the total number of trades on Euronext Amsterdam.



UNDERLYING TYPES

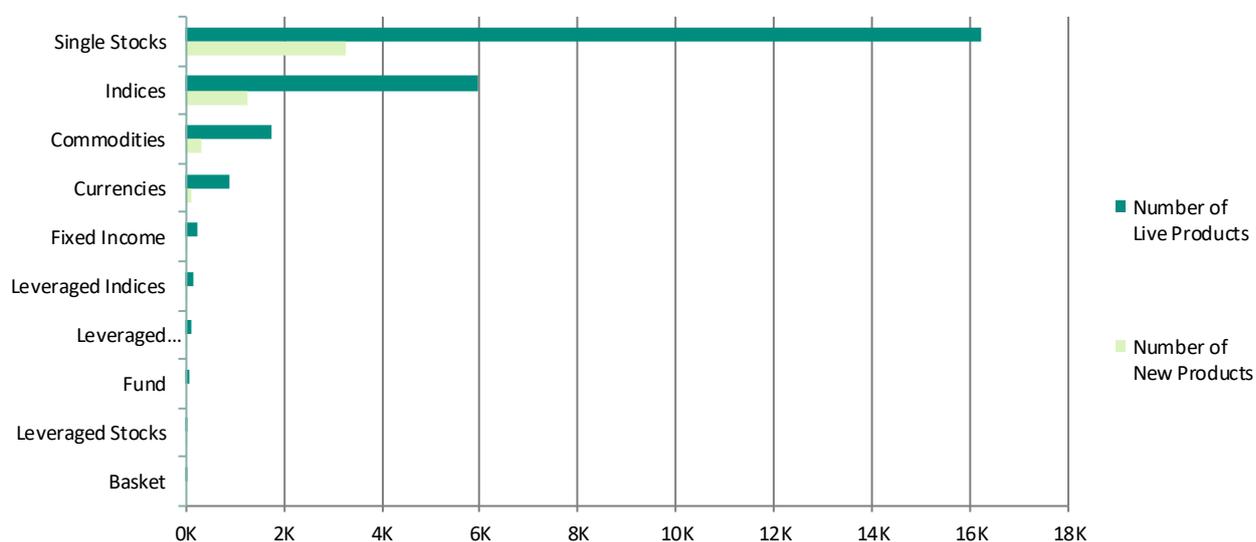
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the number of live products and number of new products for each underlying type.

Underlying Types	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Single Stocks	16,238	-4.8%	20%	63.7%	3,266	-16.9%	-16.2%	65.3%
Indices	5,958	-6.7%	-7.5%	23.4%	1,277	-17.0%	-24%	25.6%
Commodities	1,766	-2.2%	3.8%	6.9%	324	-9.2%	-22%	6.5%
Currencies	871	-6.1%	-12.9%	3.4%	94	68%	-48%	1.9%
Fixed Income	250	-9.1%	0.3%	1.0%	8	-43%	-64%	0.2%
Leveraged Indices	171	8.9%	55%	0.7%	2	-97%	-76%	0.0%
Leveraged Commodities	109	36%	132%	0.4%	13	-74%	79%	0.3%
Fund	85	-3.2%	11.4%	0.3%	0	-100%	-100%	0.0%
Leveraged Stocks	34	71%	529%	0.1%	14	-6.7%	243%	0.3%
Basket	14	-3.2%	-2.0%	0.1%	0			0.0%
Total	25,501	-4.9%	10.2%	100%	4,998	-17.1%	-19.6%	100%

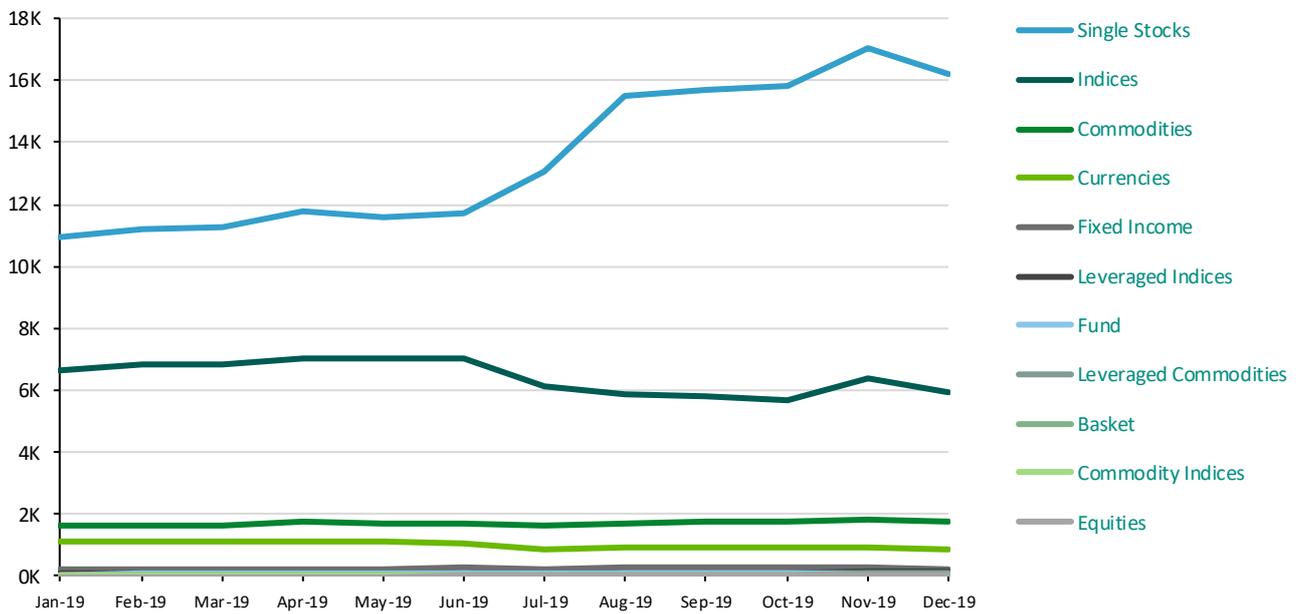
(Source Euronext)



UNDERLYING TYPES

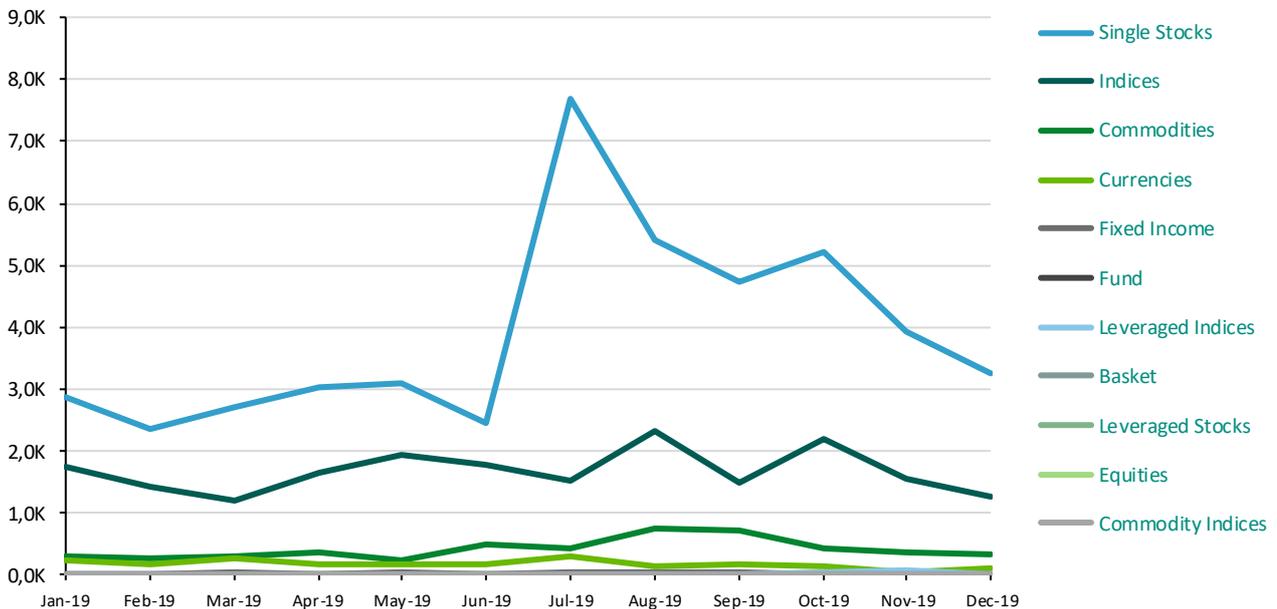
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying type on Euronext Amsterdam.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying type on Euronext Amsterdam.



TOP 10 UNDERLYING COUNTRIES

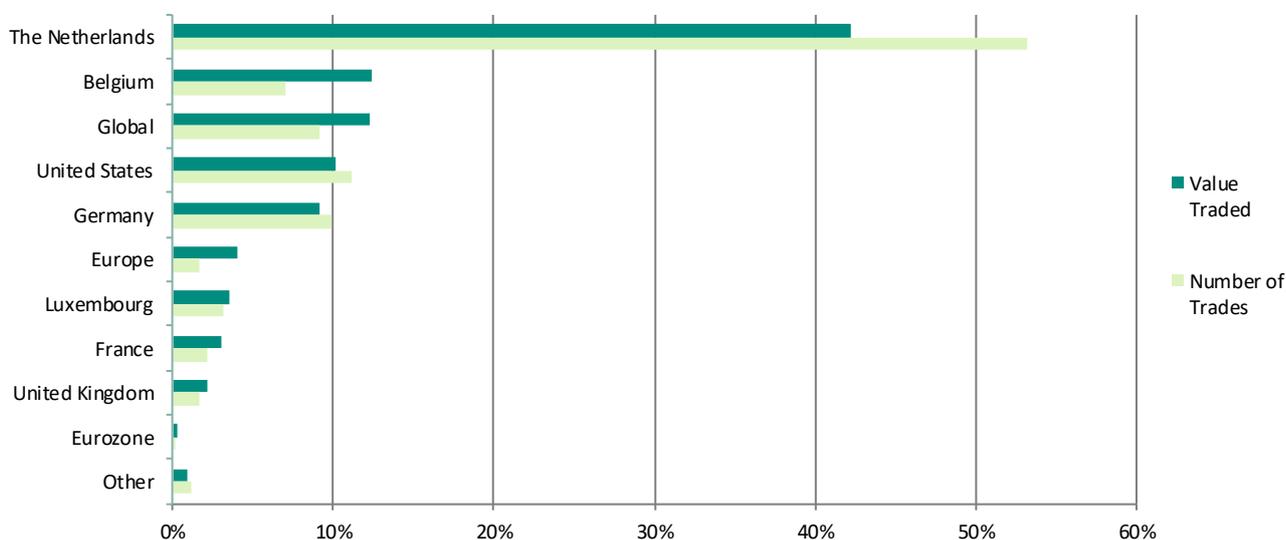
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the weight of each underlying country of origin in terms of value traded and number of trades.

Underlying Countries	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
The Netherlands	7,185	10.4%	-10.2%	42.2%	3,280	10.1%	-12.0%	53.2%
Belgium	2,109	29%	70%	12.4%	434	4.2%	22%	7.0%
Global	2,087	-28%	-5.4%	12.3%	559	-27%	-17.5%	9.1%
United States	1,727	18.9%	-17.4%	10.1%	688	11.2%	-18.2%	11.2%
Germany	1,558	-16.9%	-16.8%	9.2%	607	-2.4%	-30%	9.8%
Europe	693	17.0%	-54%	4.1%	97	2.4%	-49%	1.6%
Luxembourg	590	-16.2%	29%	3.5%	192	-24%	-7.1%	3.1%
France	504	84%	39%	3.0%	135	-1.1%	-26%	2.2%
United Kingdom	372	107%	95%	2.2%	103	56%	46%	1.7%
Eurozone	39	48%	532%	0.2%	1.4	118%	336%	0.0%
Other	157	-60%	-32%	0.9%	69	-27%	-27%	1.1%
Total	17,021	3.0%	-6.3%	100%	6,165	2.0%	-14.5%	100%

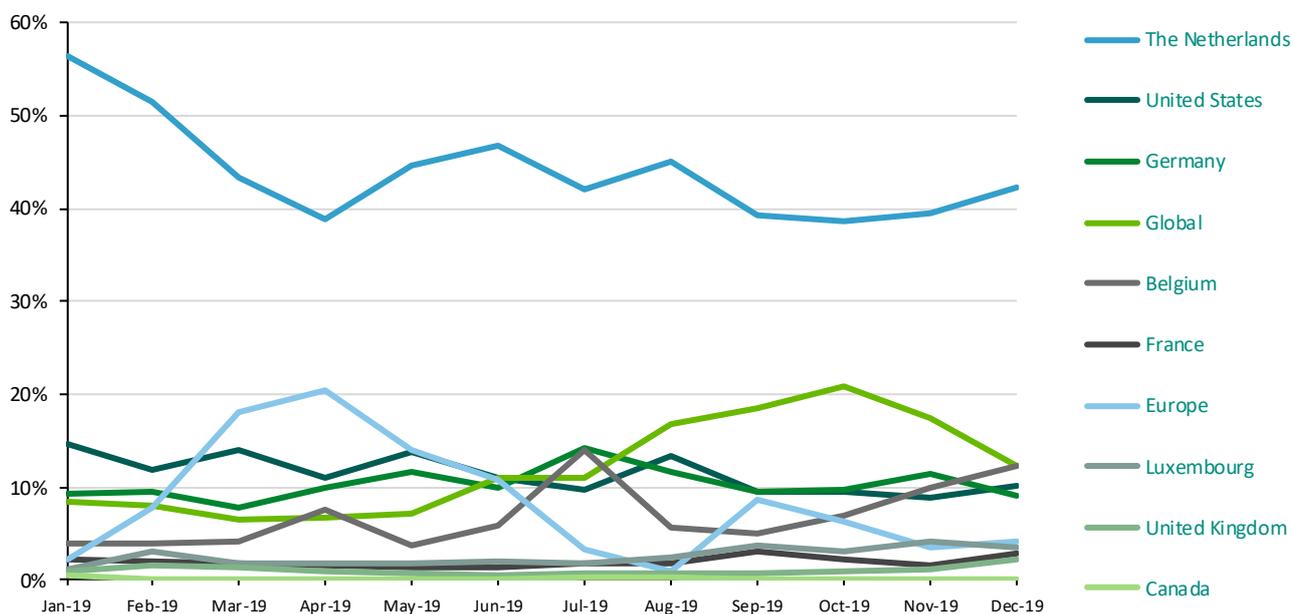
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

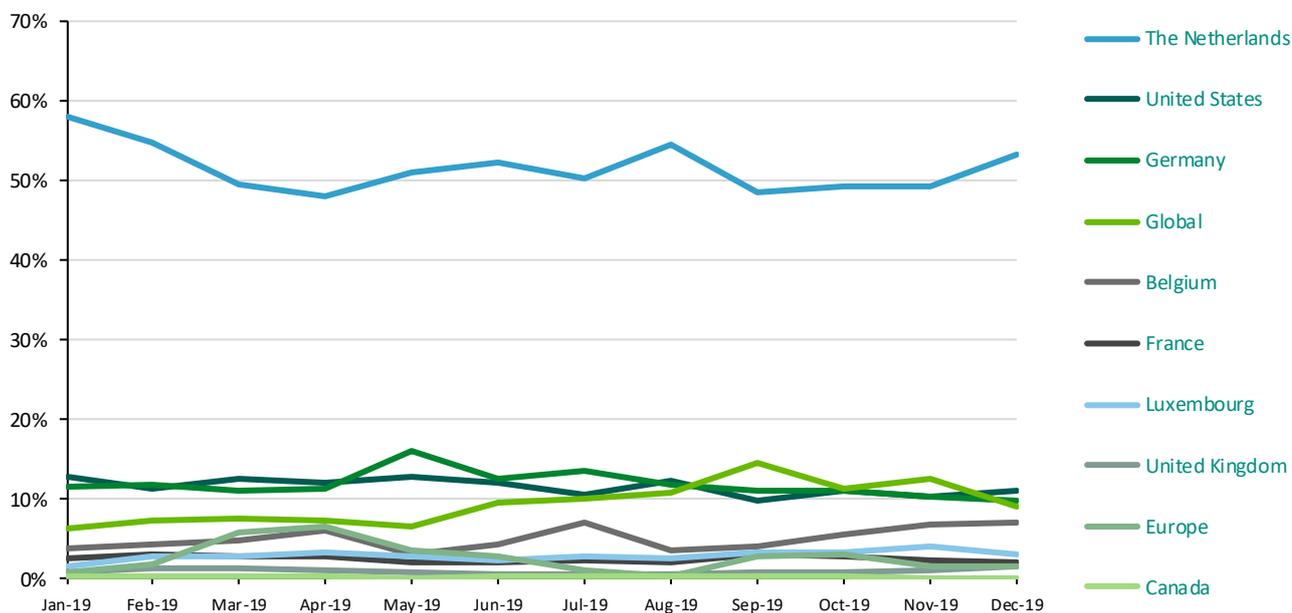
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying country of origin over the total value traded on Euronext Amsterdam.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each underlying country of origin over the total number of trades on Euronext Amsterdam.



TOP 10 UNDERLYING COUNTRIES

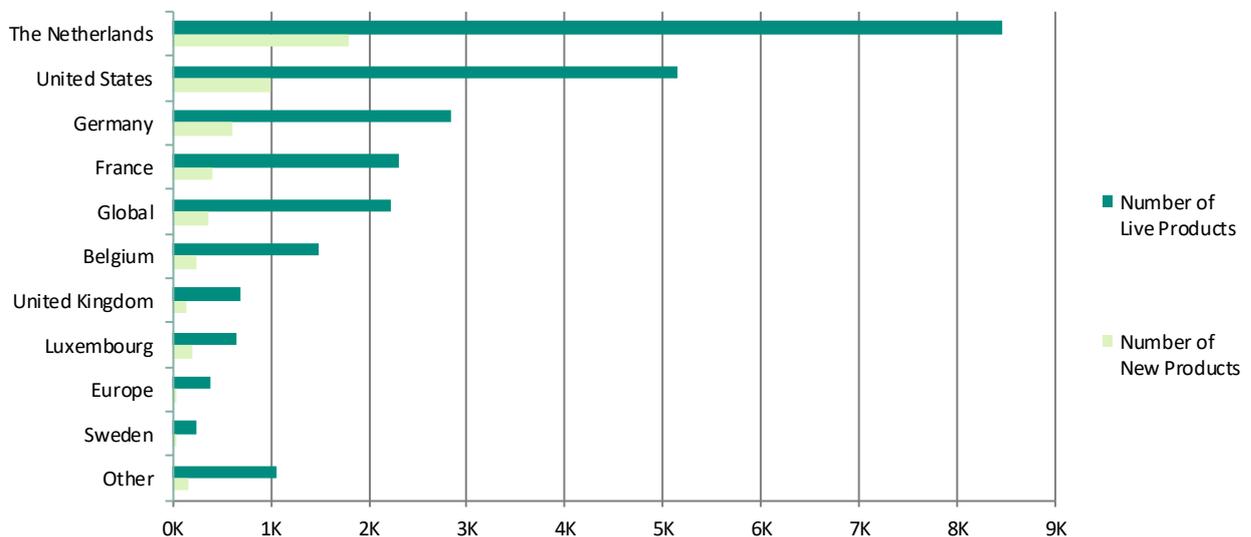
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying country.

Underlying Countries	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
The Netherlands	8,467	-2.3%	10.5%	33.2%	1,800	-16.7%	-11.9%	36.0%
United States	5,152	-5.7%	9.6%	20.2%	998	-7.8%	-28%	20.0%
Germany	2,844	-13.2%	9.4%	11.2%	606	-31%	-27%	12.1%
France	2,297	-5.2%	15.8%	9.0%	412	-1.2%	-19.4%	8.2%
Global	2,231	-1.8%	6.3%	8.8%	368	-19.3%	-22%	7.4%
Belgium	1,493	-3.2%	17.9%	5.9%	244	-20.0%	-20%	4.9%
United Kingdom	691	0.7%	13.4%	2.7%	128	0.0%	-3.5%	2.6%
Luxembourg	650	-3.3%	22%	2.5%	195	-35%	-22%	3.9%
Europe	379	-10.2%	-5.9%	1.5%	44	-13.7%	-20%	0.9%
Sweden	236	-12.5%	7.2%	0.9%	45	-38%	-26%	0.9%
Other	1,060	-5.1%	-1.1%	4.2%	158	-9.2%	-11.0%	3.2%
Total	25,501	-4.9%	10.2%	100%	4,998	-17.1%	-19.6%	100%

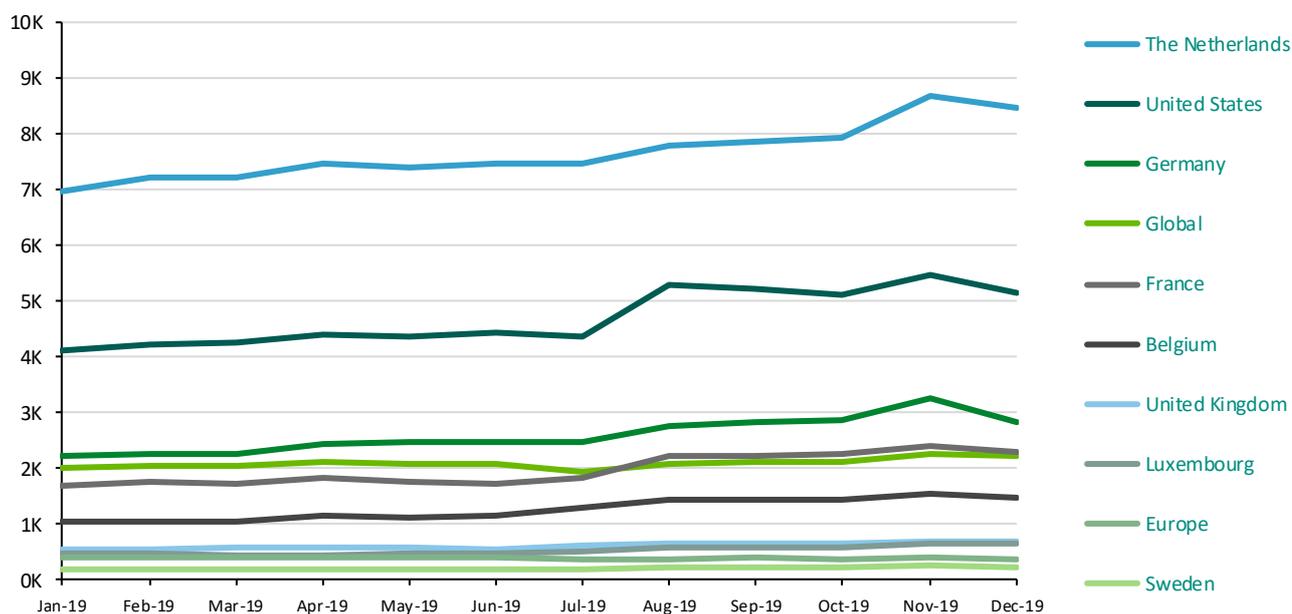
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

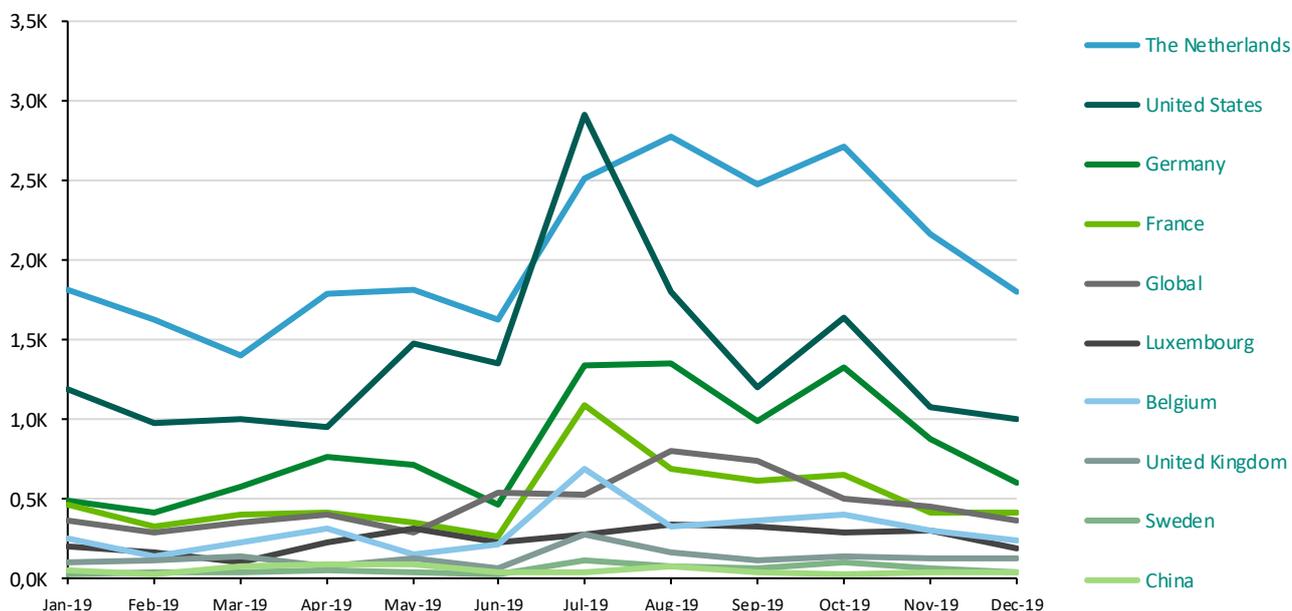
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying country of origin on Euronext Amsterdam.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying country of origin on Euronext Amsterdam.



TOP 10 UNDERLYINGS

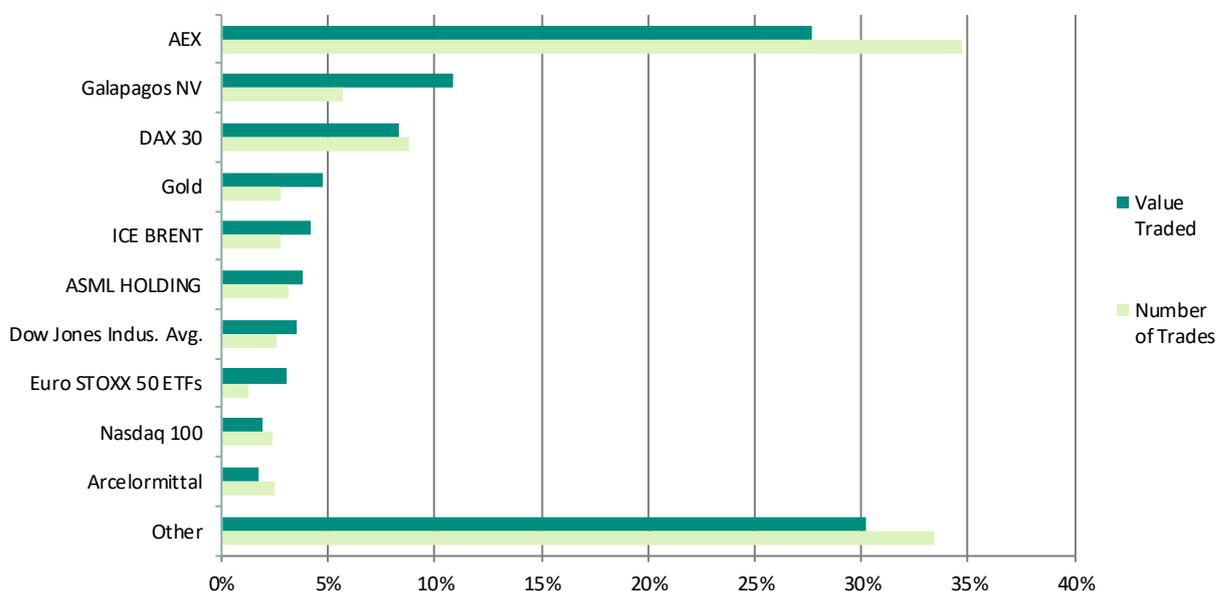
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the weight of each of the top 10 underlyings in terms of value traded and number of trades.

Underlyings	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
AEX	4,709	27%	-12.1%	27.7%	2,140	26.3%	-11.6%	34.7%
Galapagos NV	1,850	35%	93%	10.9%	351	9.6%	45%	5.7%
DAX 30	1,420	-6.3%	-13.5%	8.3%	544	1.9%	-27%	8.8%
Gold	805	-13.4%	-15.2%	4.7%	171	-28%	-25%	2.8%
ICE BRENT	712	-46%	44%	4.2%	172	-40%	-7.6%	2.8%
ASML HOLDING	641	50%	21%	3.8%	193	32%	0.2%	3.1%
Dow Jones Indus. Avg.	605	36%	18.0%	3.6%	156	22%	-25%	2.5%
Euro STOXX 50 ETFs	517	7.1%	-62%	3.0%	76	-0.2%	-54%	1.2%
Nasdaq 100	332	-7.2%	-39%	2.0%	148	22%	-24%	2.4%
Arcelormittal	292	-39%	-7.1%	1.7%	155	-23%	-7.1%	2.5%
Other	5,138	-6.2%	-7.0%	30.2%	2,059	-10.5%	-16.2%	33.4%
Total	17,021	3.0%	-6.3%	100%	6,165	2.0%	-14.5%	100%

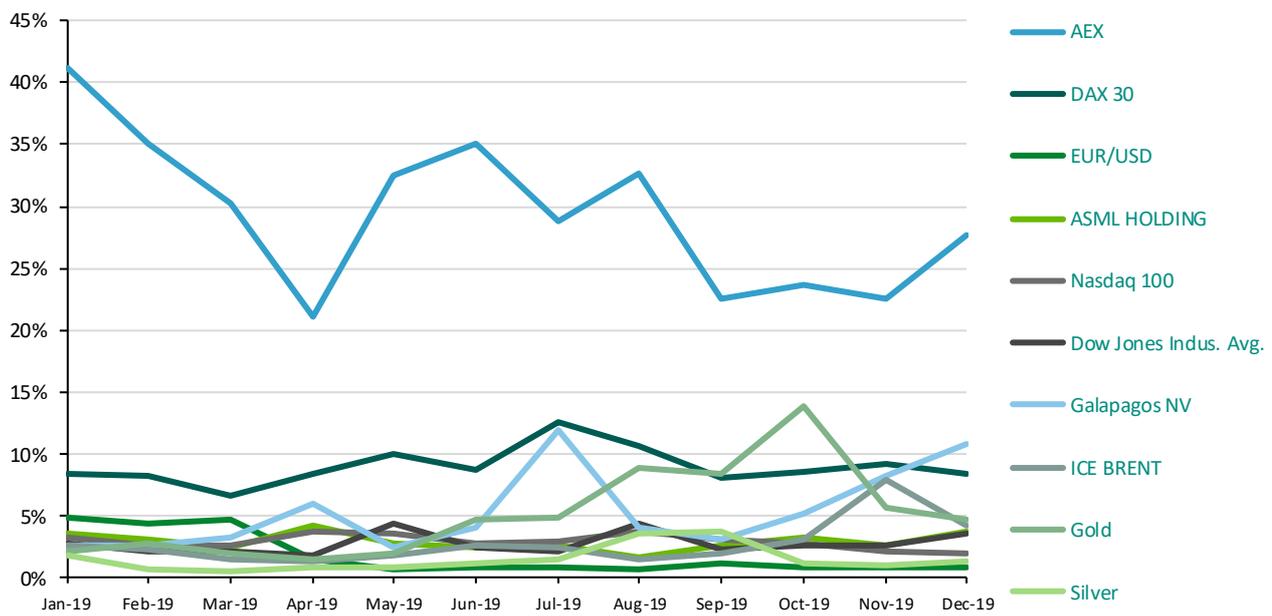
(Source Euronext)



TOP 10 UNDERLYINGS

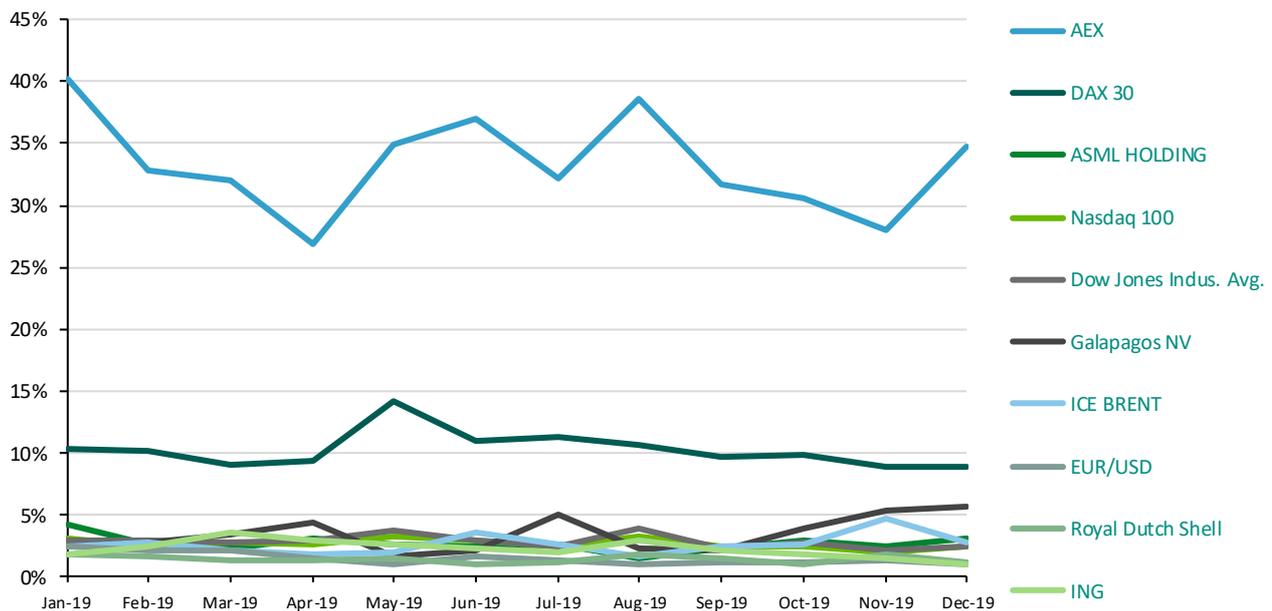
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each top 10 underlying over the total value traded on Euronext Amsterdam.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each top 10 underlying over the total number of trades on Euronext Amsterdam.



TOP 10 UNDERLYINGS

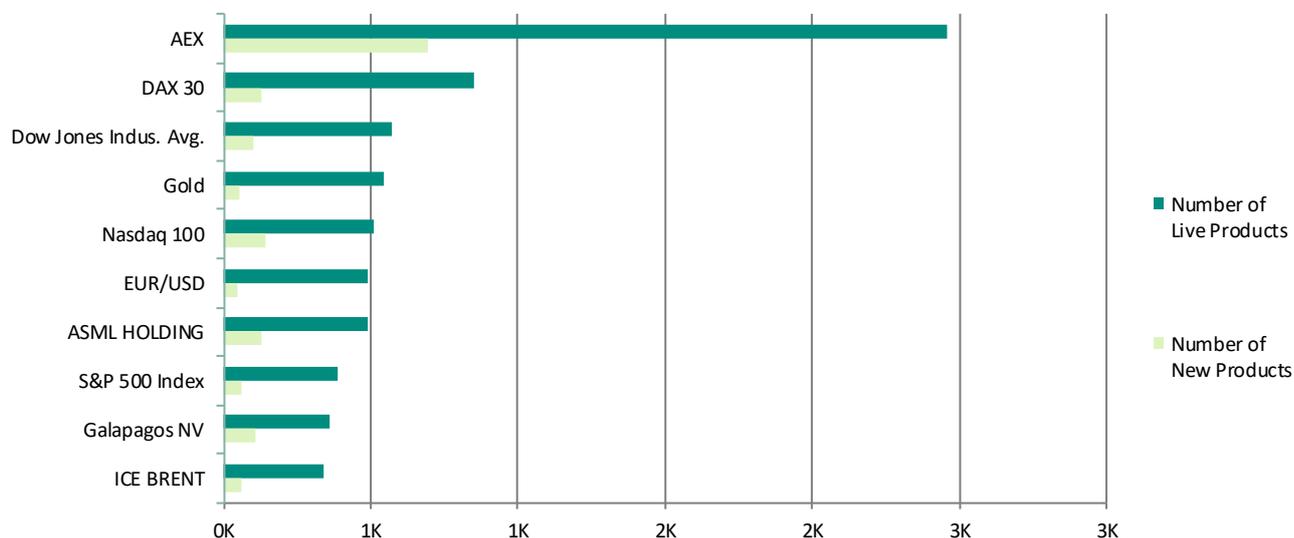
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of Euronext Amsterdam.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying.

Underlyings	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
AEX	2,461	-3.5%	4.0%	9.7%	696	-14.9%	-5.3%	13.9%
DAX 30	849	-14.3%	-13.4%	3.3%	129	-40%	-53%	2.6%
Dow Jones Indus. Avg.	568	-6.5%	-22%	2.2%	101	-32%	-53%	2.0%
Gold	547	-3.2%	2.7%	2.1%	52	-14.8%	-41%	1.0%
Nasdaq 100	510	-5.0%	-11.0%	2.0%	141	34%	-19.0%	2.8%
EUR/USD	490	-5.2%	-8.2%	1.9%	45	32%	-47%	0.9%
ASML HOLDING	489	-2.3%	15.6%	1.9%	129	74%	2.1%	2.6%
S&P 500 Index	390	-7.4%	-19.7%	1.5%	63	-17.1%	-31%	1.3%
Galapagos NV	356	8.0%	49%	1.4%	104	51%	35%	2.1%
ICE BRENT	336	-2.6%	11.2%	1.3%	60	-22%	-37%	1.2%
Other	18,504	-4.9%	15.8%	72.6%	3,478	-20.0%	-18.3%	69.6%
Total	25,501	-4.9%	10.2%	100%	4,998	-17.1%	-19.6%	100%

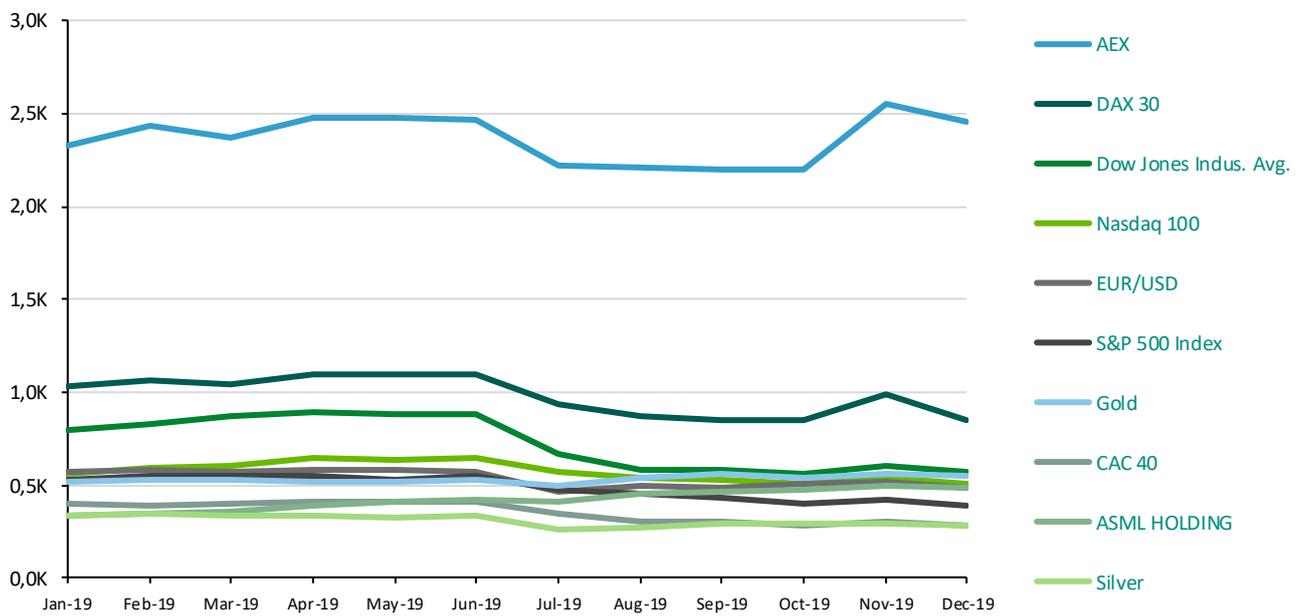
(Source Euronext)



TOP 10 UNDERLYINGS

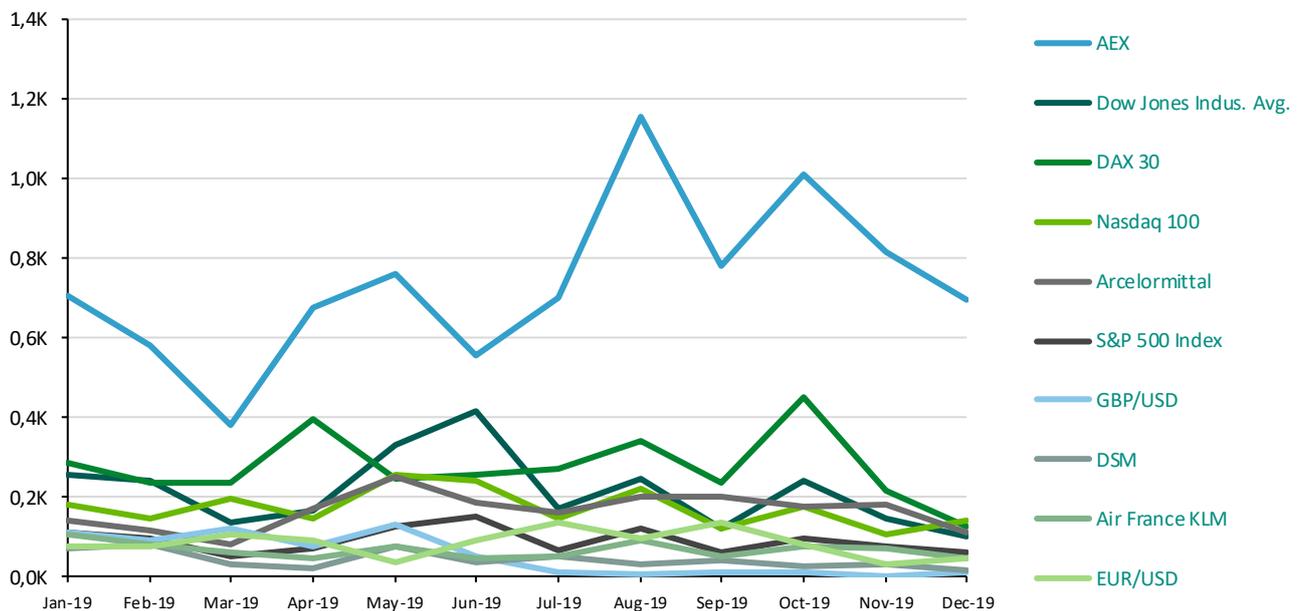
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each top 10 underlying on Euronext Amsterdam.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each top 10 underlying on Euronext Amsterdam.



TOP 50 TRADED PRODUCTS

Top 50 traded products

The table below displays the 50 most traded products (in terms of value traded) on Euronext Amsterdam.

ISIN Code	Issuer		Product Type	Underlying	Value Traded (in €k)	Nb of Trades
NL0013771595	ING	2100	Warrants	Euro STOXX 50 ETFs	6,069	938
DE000VF6XJM2	Vontobel	2205	Open-End Knock-Out Warrants	Gold	3,998	92
DE000CU1EEG0	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	2,540	4,110
NL0014041287	BNP Paribas	2210	Mini-Futures	Dow Jones Indus. Avg.	2,409	108
NL0013885494	ING	2205	Open-End Knock-Out Warrants	ICE BRENT	2,272	524
NL0013602949	Goldman Sachs	2210	Mini-Futures	AEX	2,156	34
NL0013751472	BNP Paribas	2210	Mini-Futures	Gold	2,072	177
NL0013500101	ING	2205	Open-End Knock-Out Warrants	Galapagos NV	2,023	159
NL0014057010	BNP Paribas	2210	Mini-Futures	AEX	1,999	351
NL0014053340	BNP Paribas	2210	Mini-Futures	AEX	1,974	196
NL0013979453	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,930	548
NL0011539267	BNP Paribas	2205	Open-End Knock-Out Warrants	Heineken	1,850	23
NL0013588791	BNP Paribas	2210	Mini-Futures	Gold	1,827	148
NL0013893969	ING	2205	Open-End Knock-Out Warrants	Galapagos NV	1,766	117
NL0013990120	BNP Paribas	2210	Mini-Futures	ICE BRENT	1,739	72
NL0014044331	BNP Paribas	2210	Mini-Futures	AEX	1,724	321
NL0014047904	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,720	335
NL0014053431	BNP Paribas	2210	Mini-Futures	Dow Jones Indus. Avg.	1,656	66
NL0014041659	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,623	403
NL0013989783	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,616	410
NL0013894108	ING	2205	Open-End Knock-Out Warrants	Galapagos NV	1,476	146
NL0014053597	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,438	492
NL0014051047	BNP Paribas	1250	Capped Bonus Certificates	Euro STOXX 50	1,365	26
NL0013990542	BNP Paribas	2210	Mini-Futures	AEX	1,332	138
NL0013735228	Goldman Sachs	2210	Mini-Futures	Altice	1,306	35
DE000VF9JGF5	Vontobel	2205	Open-End Knock-Out Warrants	AEX	1,300	356
NL0013990112	BNP Paribas	2210	Mini-Futures	ICE BRENT	1,286	51
DE000CU6HSE7	Commerzbank	2200	Knock-Out Warrants	DAX 30	1,265	12
NL0014054892	BNP Paribas	2210	Mini-Futures	AEX	1,231	126
DE000VE138A8	Vontobel	2200	Knock-Out Warrants	ASML HOLDING	1,217	34
NL0012036073	BNP Paribas	2210	Mini-Futures	Unilever	1,209	29
NL0013577778	BNP Paribas	2205	Open-End Knock-Out Warrants	Galapagos NV	1,143	262
NL0013968084	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	1,132	327
NL0014055535	BNP Paribas	2210	Mini-Futures	Dow Jones Indus. Avg.	1,095	34
NL0014040735	BNP Paribas	2205	Open-End Knock-Out Warrants	ICE BRENT	1,085	267
NL0013576325	BNP Paribas	2205	Open-End Knock-Out Warrants	DAX 30	1,075	514
NL0013289853	BNP Paribas	2205	Open-End Knock-Out Warrants	Unilever	1,073	64
NL0014048167	BNP Paribas	2210	Mini-Futures	AEX	1,069	98
NL0014041295	BNP Paribas	2210	Mini-Futures	AEX	1,035	153
NL0013573652	BNP Paribas	2210	Mini-Futures	DAX 30	1,026	107
DE000CU6HTU1	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	972	3,204
NL0013901309	ING	2205	Open-End Knock-Out Warrants	Galapagos NV	969	416
NL0013988967	BNP Paribas	2210	Mini-Futures	DAX 30	938	68
NL0013990575	BNP Paribas	2210	Mini-Futures	AEX	938	126
NL0013363856	BNP Paribas	2205	Open-End Knock-Out Warrants	Inbev	931	98
NL0014095465	ING	2205	Open-End Knock-Out Warrants	AEX	899	148
NL0013767288	BNP Paribas	2205	Open-End Knock-Out Warrants	ASML HOLDING	896	93
NL0010287892	BNP Paribas	2210	Mini-Futures	AEX	896	172
DE000CU6JBG4	Commerzbank	2205	Open-End Knock-Out Warrants	Galapagos NV	872	187
NL0014051294	BNP Paribas	2210	Mini-Futures	AEX	863	23

(Source Euronext)



Euronext Brussels

ISSUERS

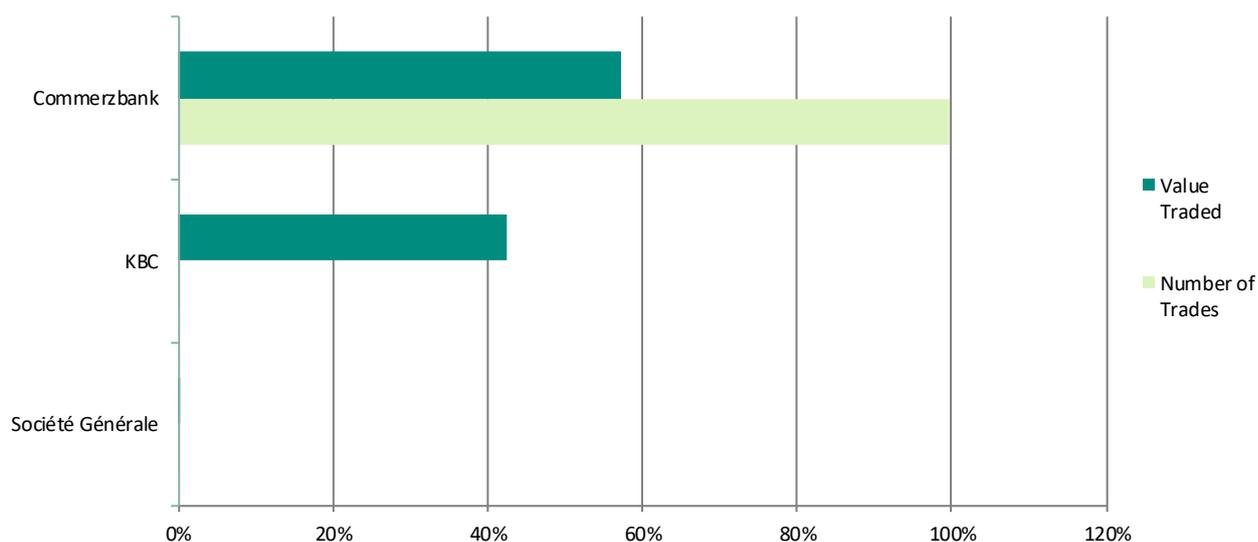
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of Euronext Brussels.

The chart at the bottom of the page represents the weight of each issuer in terms of value traded and number of trades.

Issuers	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Commerzbank	351	-33%	-11.7%	57.3%	201	-25.2%	-6.6%	99.7%
KBC	261	-52%	4.9%	42.5%	0.5	-87.2%	-71.3%	0.2%
Société Générale	1		168%	0.1%	0.2		139.1%	0.1%
Total	613	-42.5%	-5.2%	100%	202	-25.9%	-7.1%	100%

(Source Euronext)



ISSUERS

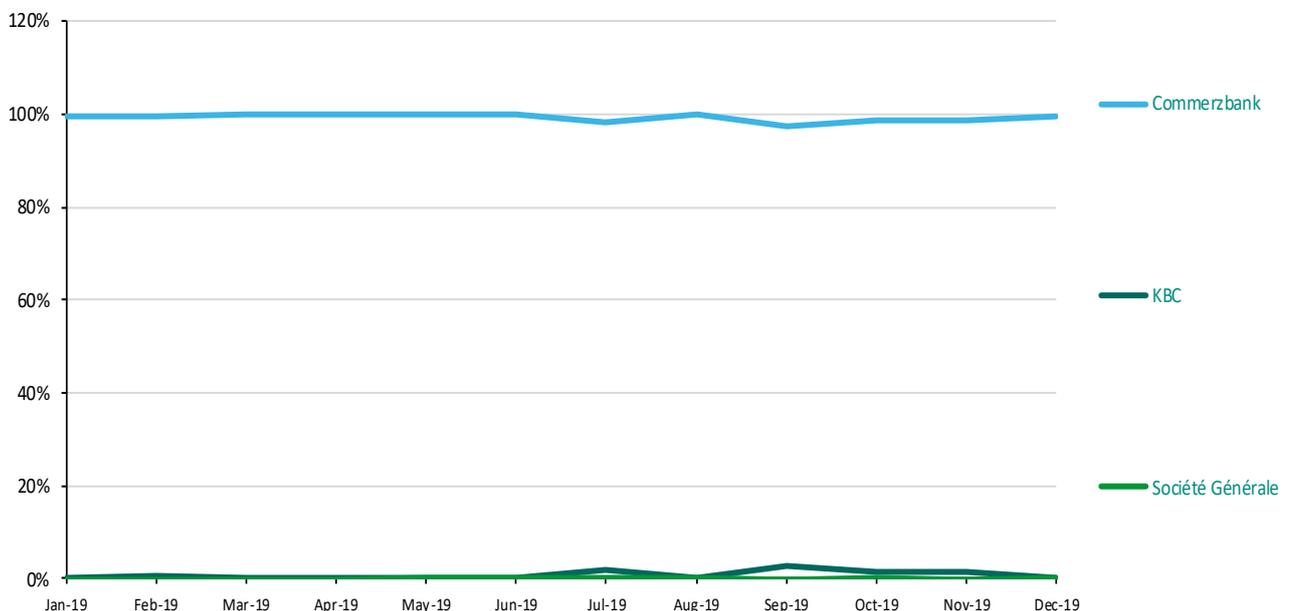
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each issuer over the total value traded on Euronext Brussels.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each issuer over the total number of trades on Euronext Brussels.



ISSUERS

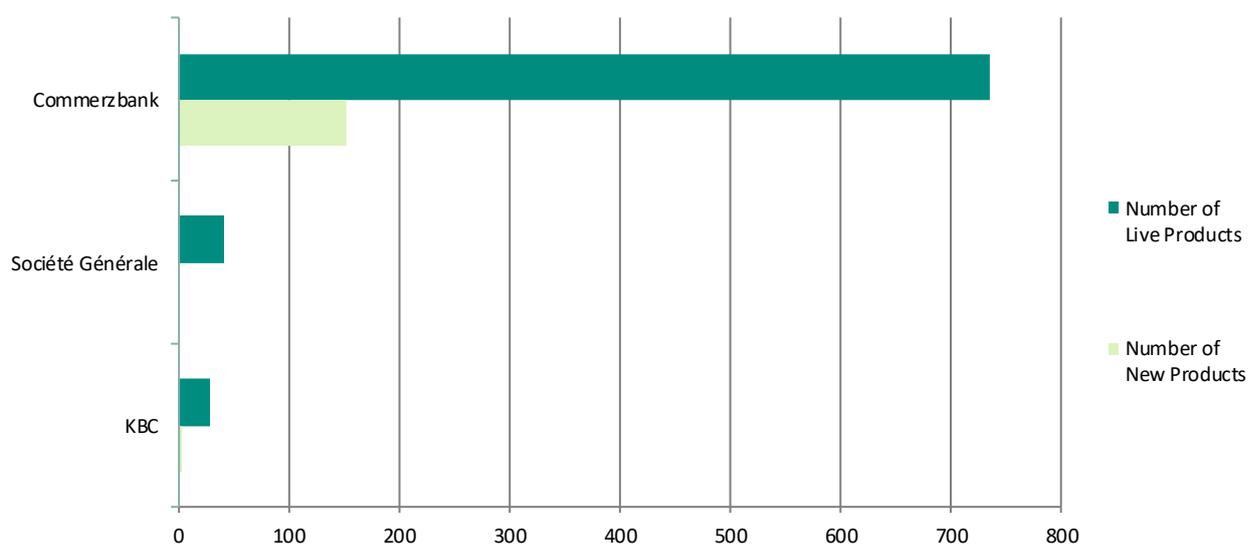
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of Euronext Brussels.

The chart at the bottom of the page represents the number of live products and number of new products for each issuer.

Issuers	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Commerzbank	735	0.5%	2.9%	91.3%	152	-11.1%	-21%	97.4%
Société Générale	42	0.0%	-4.2%	5.2%	0			0.0%
KBC	28	-7.4%	7.0%	3.5%	4	33%	92%	2.6%
Total	806	0.2%	2.7%	100%	156	-10.3%	-19.7%	100%

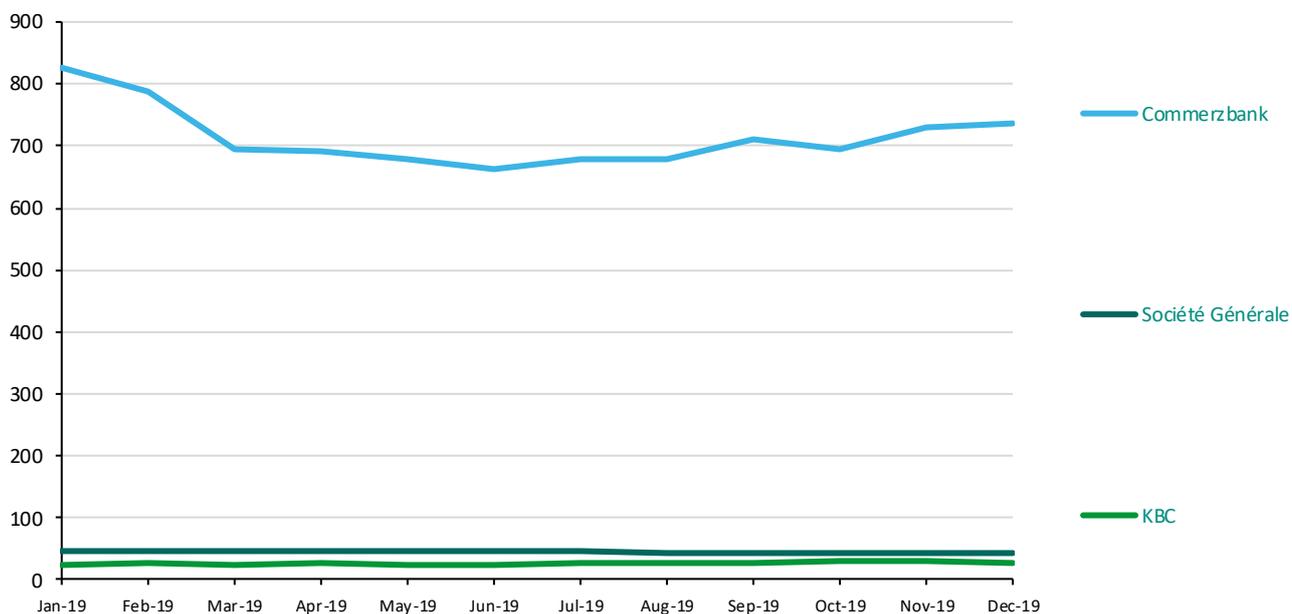
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ISSUERS

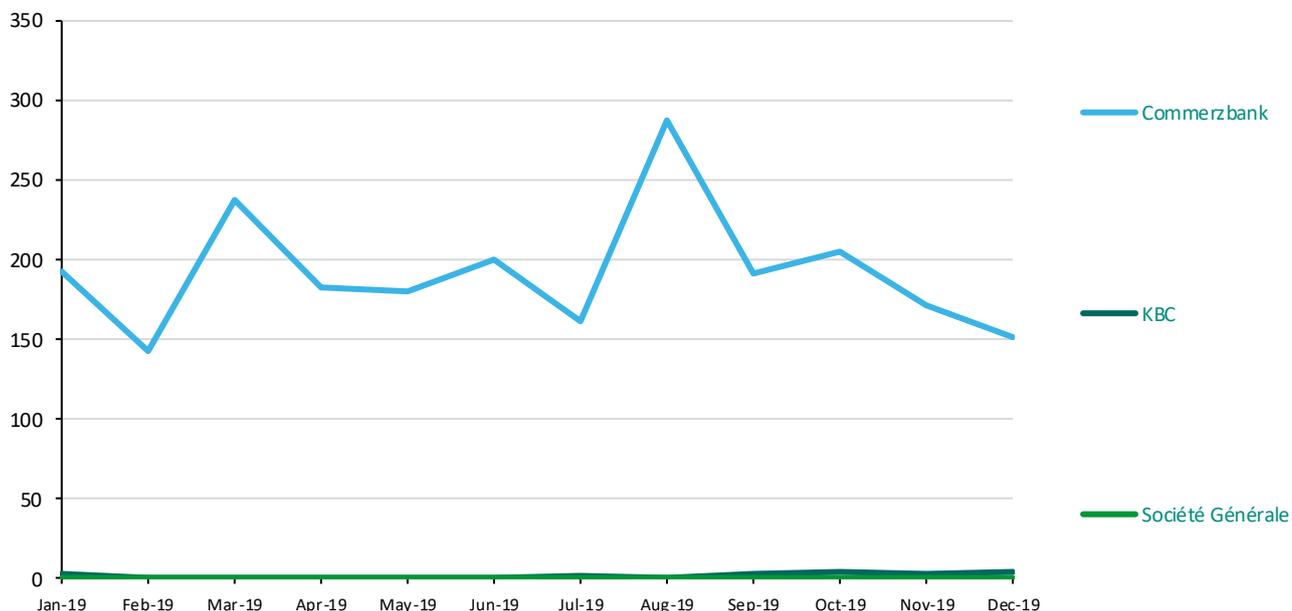
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each issuer on Euronext Brussels.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each issuer on Euronext Brussels.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

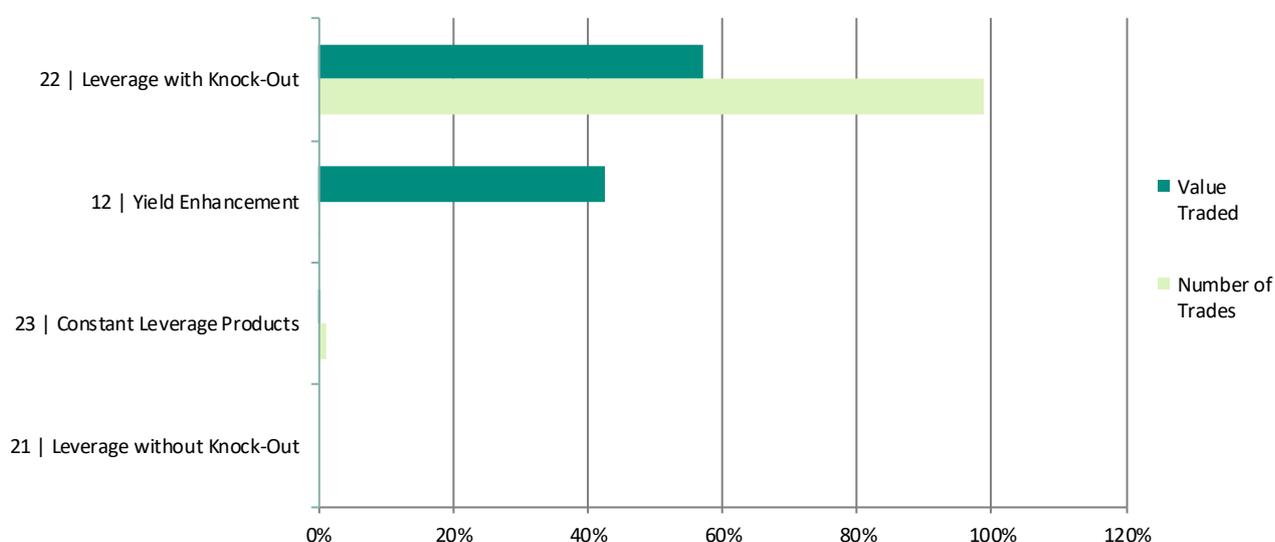
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Brussels.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 2)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
22 Leverage with Knock-Out	350	-33%	-11.1%	57.2%	199	-25.4%	-6.1%	98.7%
12 Yield Enhancement	261	-52%	6.3%	42.5%	0.5	-85.0%	-64.9%	0.2%
23 Constant Leverage Products	1	-20%	-63%	0.2%	2.2	7.4%	-38.0%	1.1%
21 Leverage without Knock-Out	0	-100%	-100%	0.0%	0.0	-100.0%	-100.0%	0.0%
Total	613	-42.5%	-5.2%	100%	202	-25.9%	-7.1%	100%

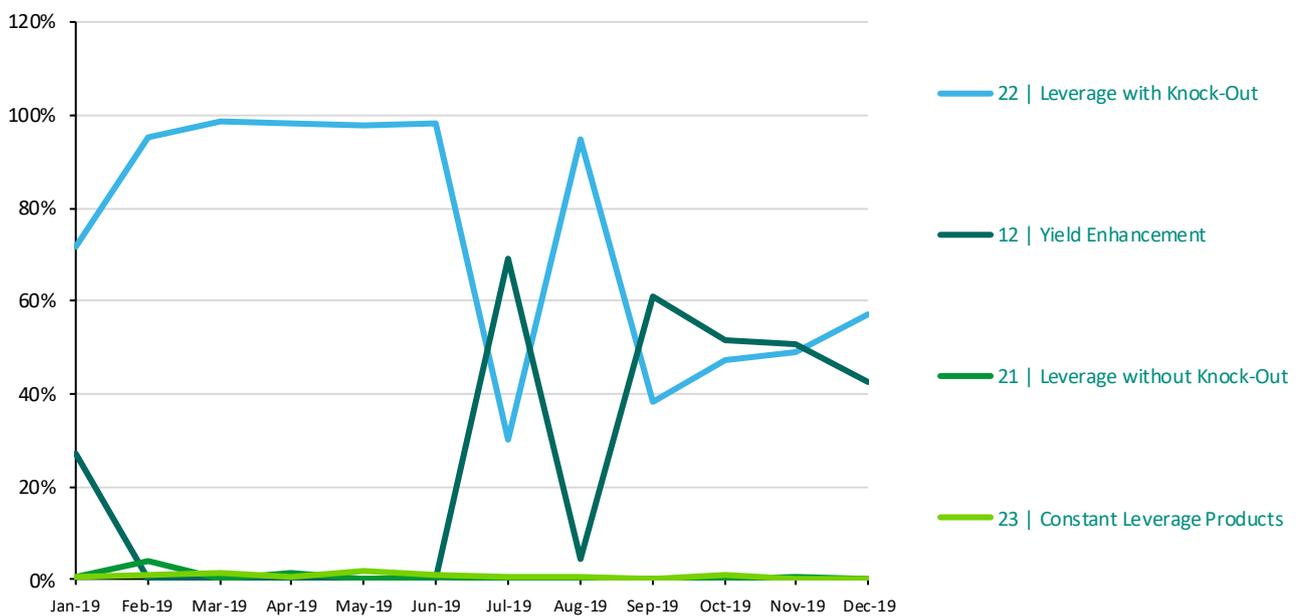
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

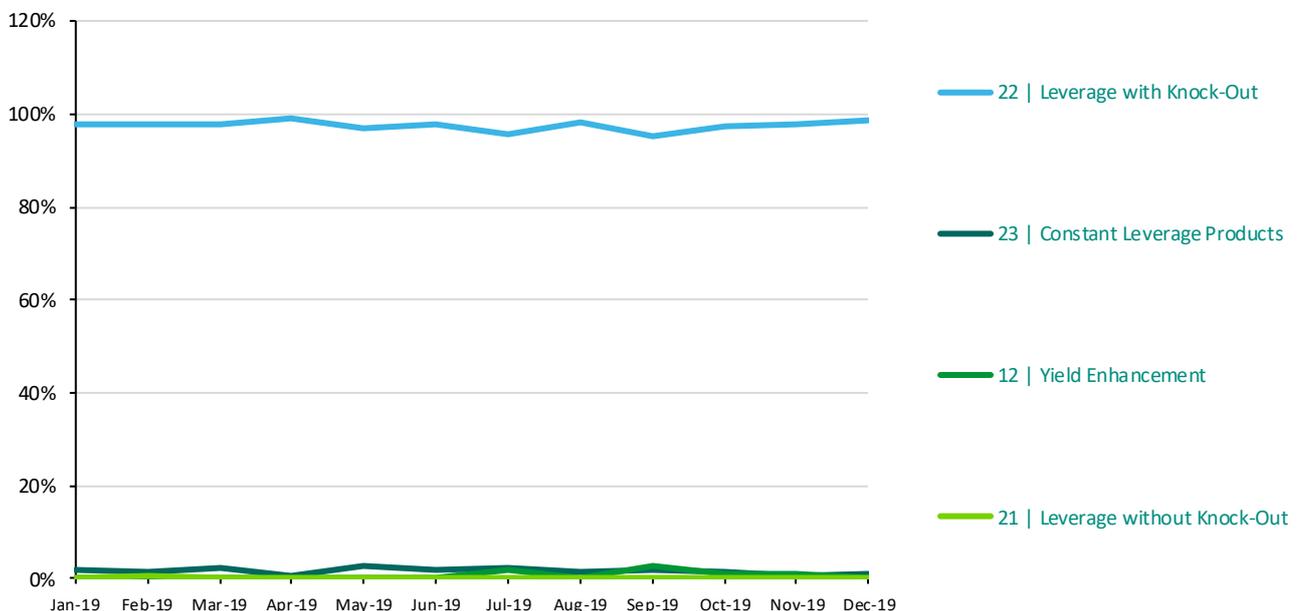
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Brussels.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Brussels.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

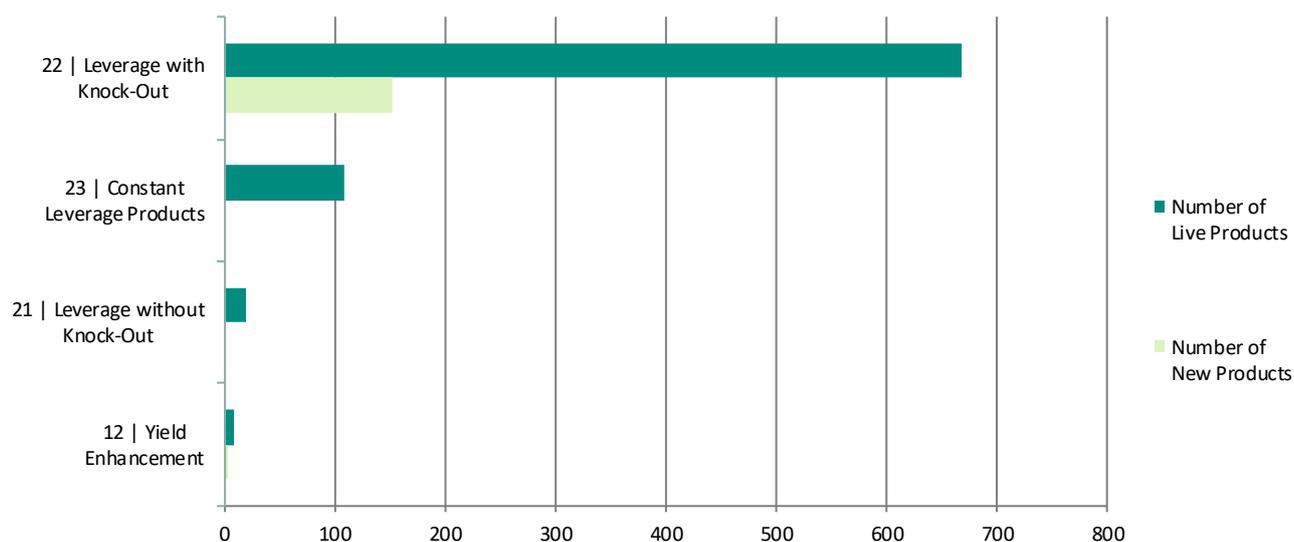
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Brussels.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 2)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
22 Leverage with Knock-Out	668	0.7%	4.3%	83.0%	152	-11.1%	-17.0%	97.4%
23 Constant Leverage Products	109	-1.1%	-7.4%	13.5%	0		-100%	0.0%
21 Leverage without Knock-Out	20	-7.1%	-11.0%	2.5%	1	0.0%	-7.7%	0.6%
12 Yield Enhancement	8	-8.1%	107%	1.0%	3	50%	200%	1.9%
Total	806	0.2%	2.7%	100%	156	-10.3%	-19.7%	100%

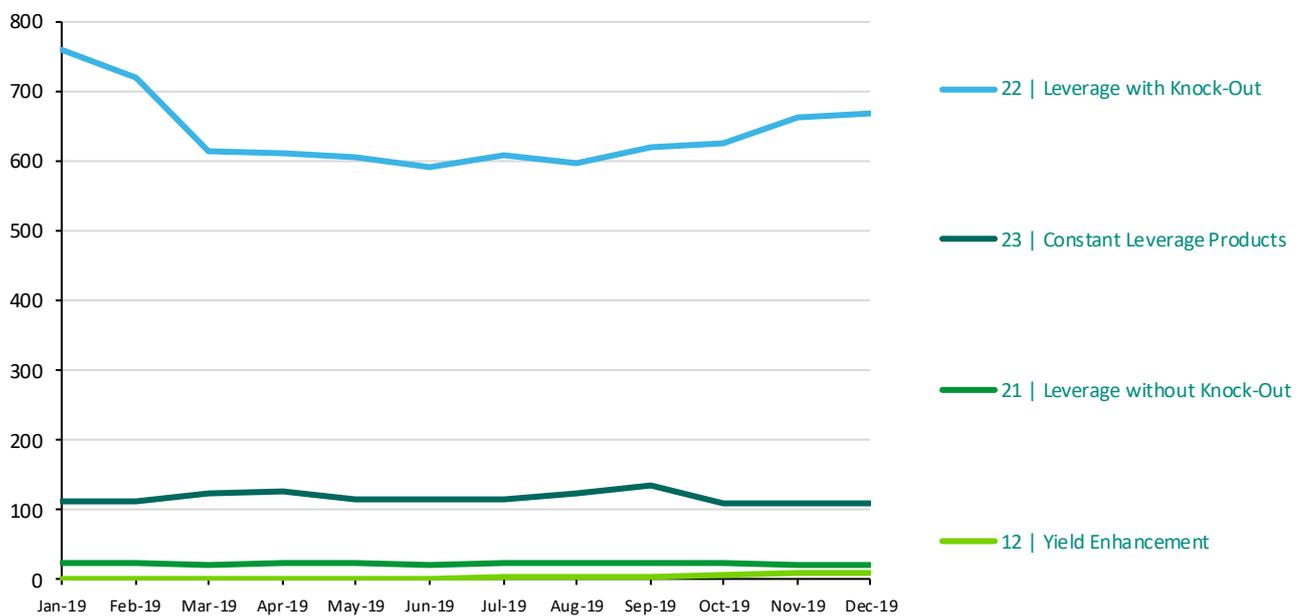
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

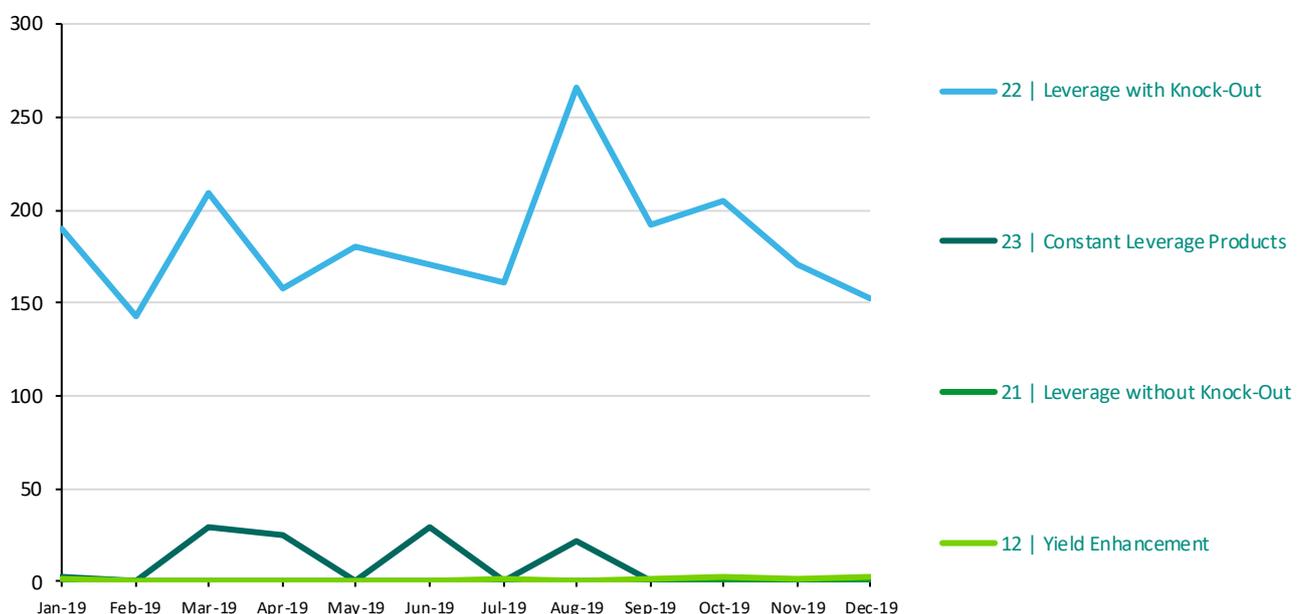
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Brussels.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Brussels.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

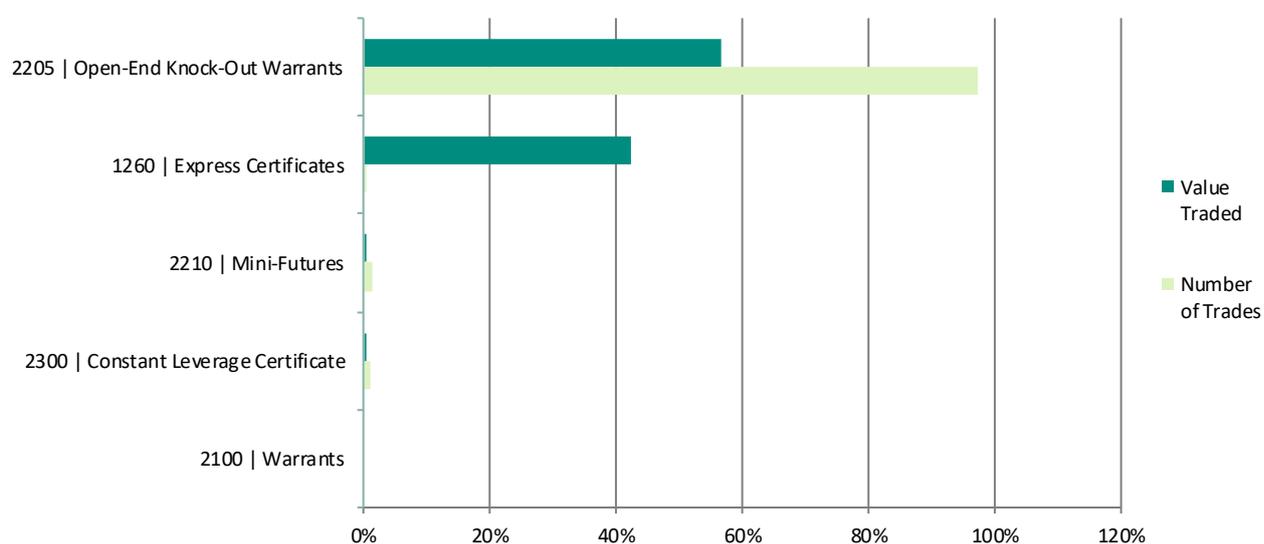
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Brussels.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 3)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
2205 Open-End Knock-Out Warrants	347	-32%	-11.0%	56.6%	197	-25.3%	-6.0%	97.4%
1260 Express Certificates	261	-52%	6.3%	42.5%	0.5	-85%	-65%	0.2%
2210 Mini-Futures	4	-47%	-20%	0.6%	2.6	-28%	-14.7%	1.3%
2300 Constant Leverage Certificate	1	-20%	-63%	0.2%	2.2	7.4%	-38%	1.1%
2100 Warrants	0	-100%	-100%	0.0%	0.0	-100%	-100%	0.0%
Total	613	-42.5%	-5.2%	100%	202	-25.9%	-7.1%	100%

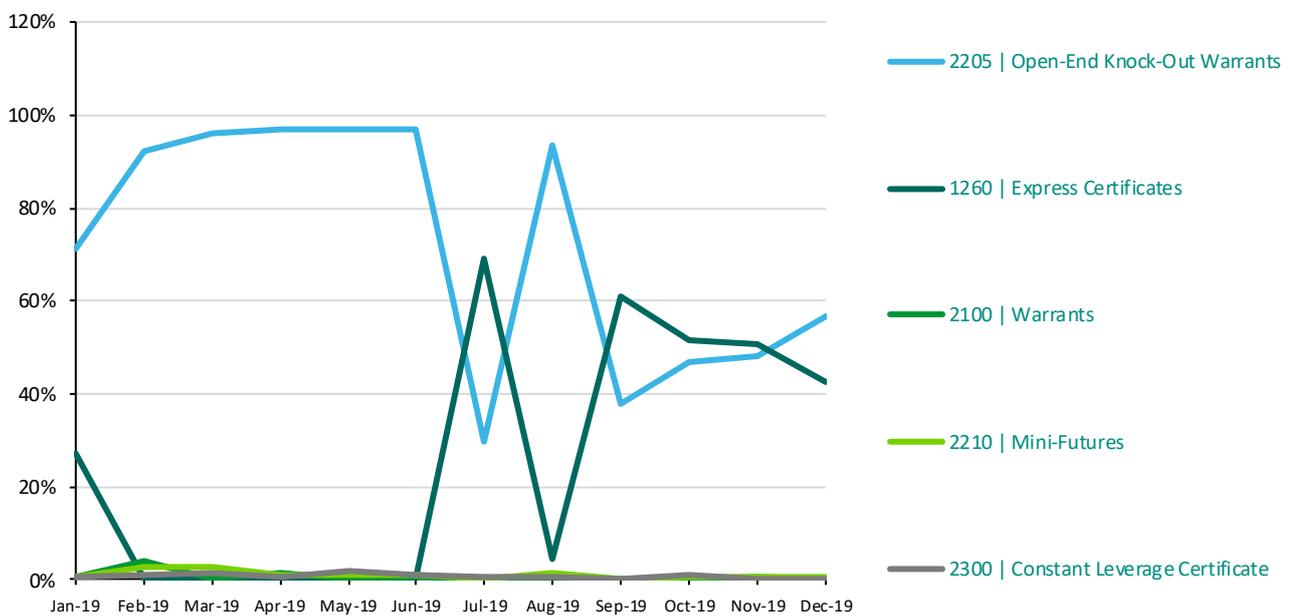
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

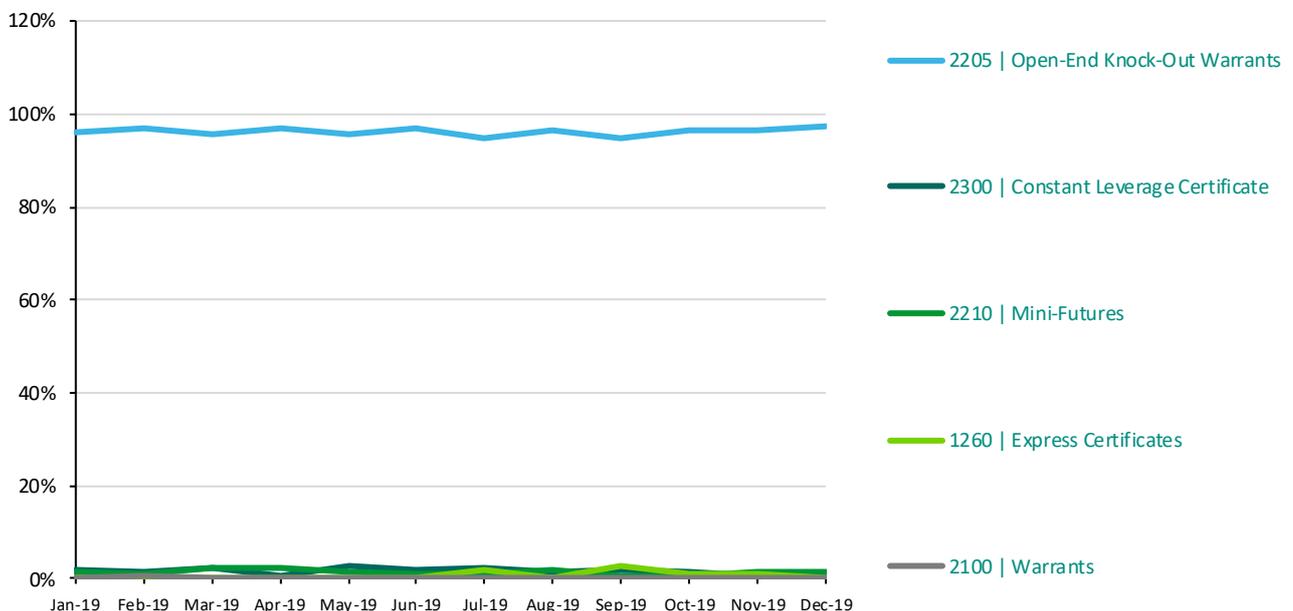
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Brussels.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Brussels.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

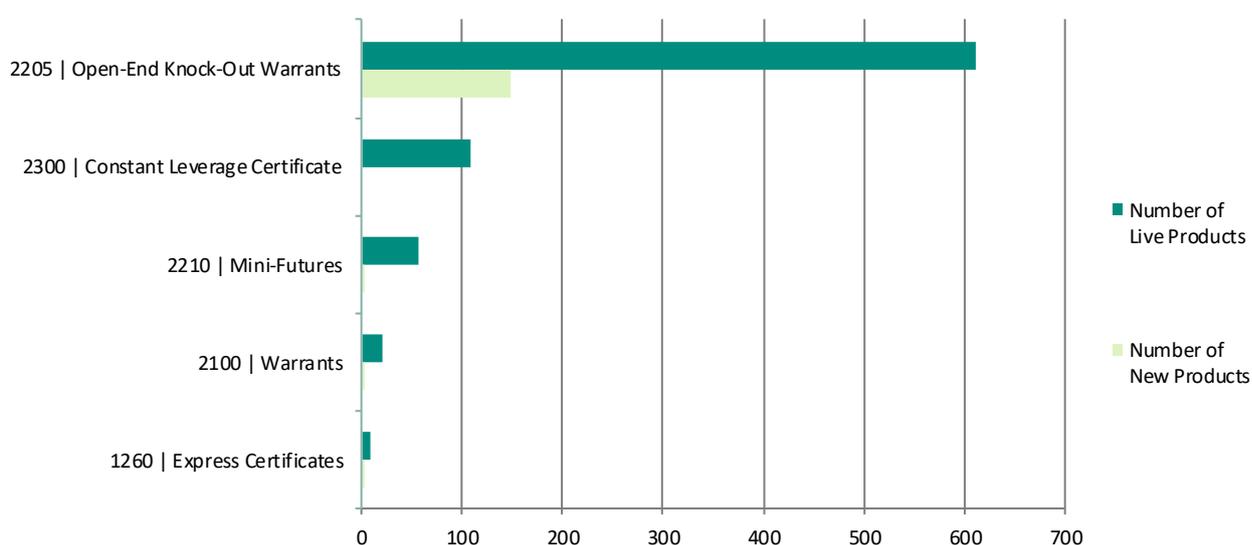
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Brussels.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 3)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
2205 Open-End Knock-Out Warrants	612	0.9%	5.9%	76.0%	149	-11.8%	-17.6%	95.5%
2300 Constant Leverage Certificate	109	-1.1%	-7.4%	13.5%	0		-100%	0.0%
2210 Mini-Futures	56	-0.6%	-9.9%	7.0%	3	50%	29%	1.9%
2100 Warrants	20	-7.1%	-11.0%	2.5%	1	0.0%	-7.7%	0.6%
1260 Express Certificates	8	-8.1%	107%	1.0%	3	50%	200%	1.9%
Total	806	0.2%	2.7%	100%	156	-10.3%	-19.7%	100%

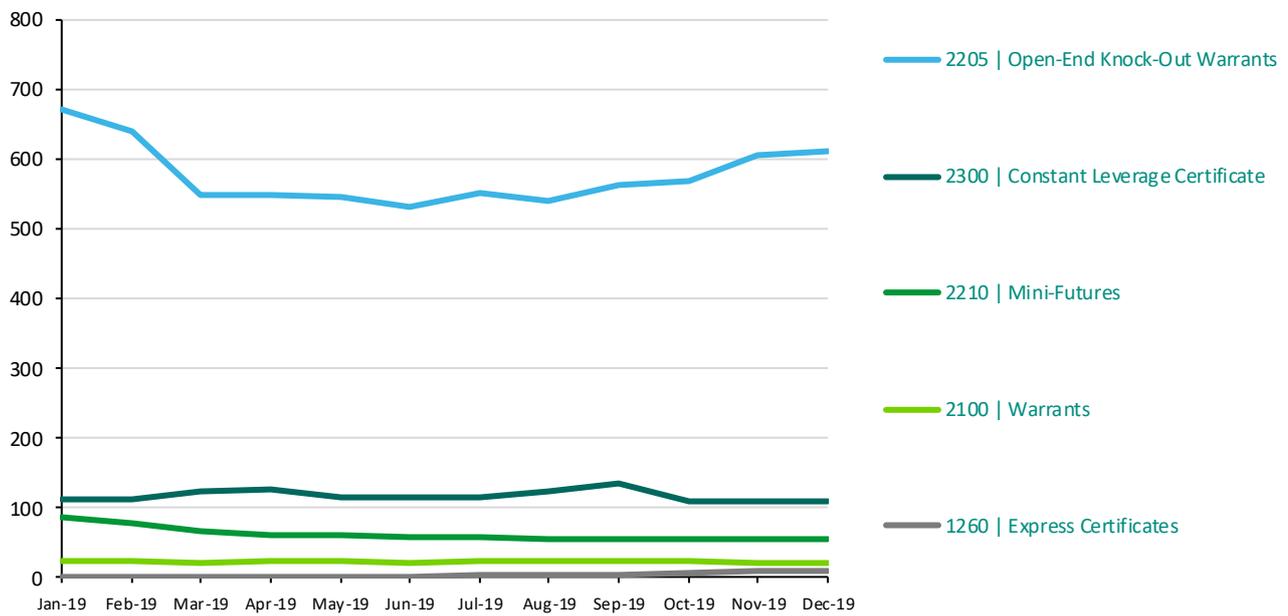
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

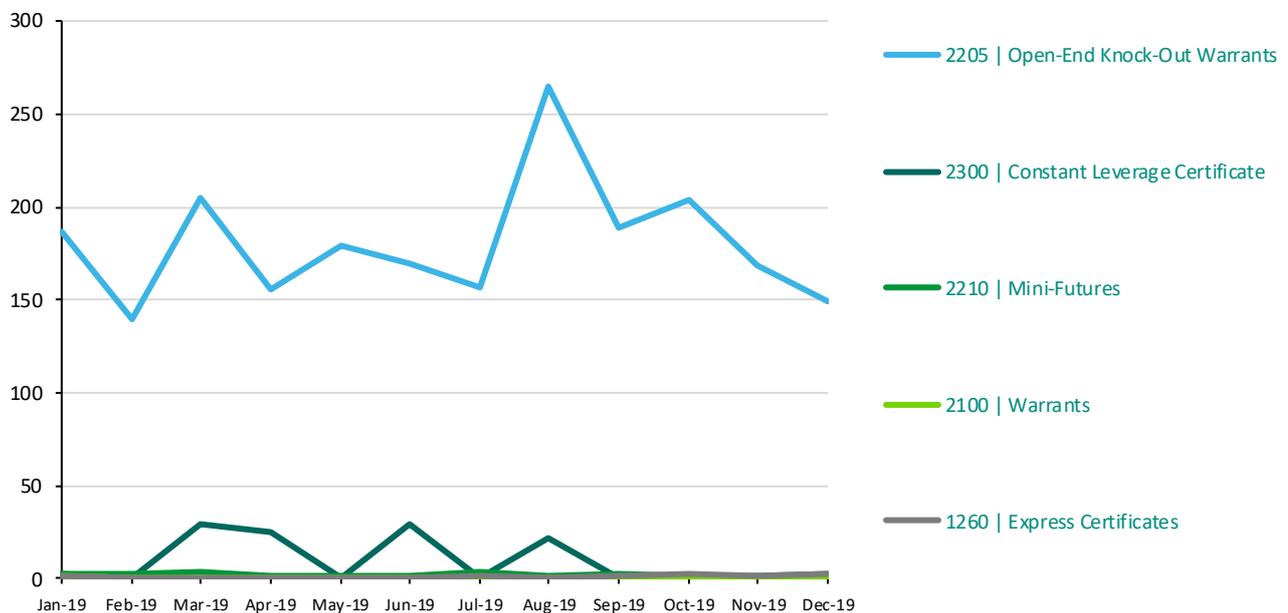
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Brussels.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Brussels.



PRODUCT STRATEGIES

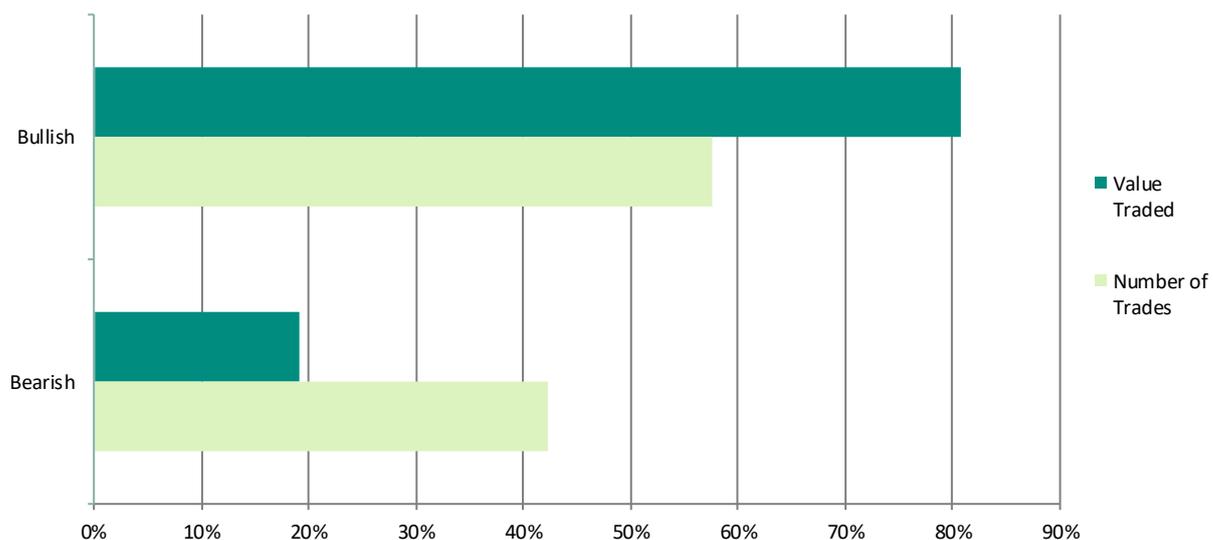
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of Euronext Brussels.

The chart at the bottom of the page represents the weight of each product strategy in terms of value traded and number of trades.

Product Strategies	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Bullish	495	-47%	-2.9%	80.8%	116	-24.2%	-14.2%	57.7%
Bearish	118	-11.6%	-14.0%	19.2%	85	-28%	4.9%	42.3%
Total	613	-42.5%	-5.2%	100%	202	-25.9%	-7.1%	100%

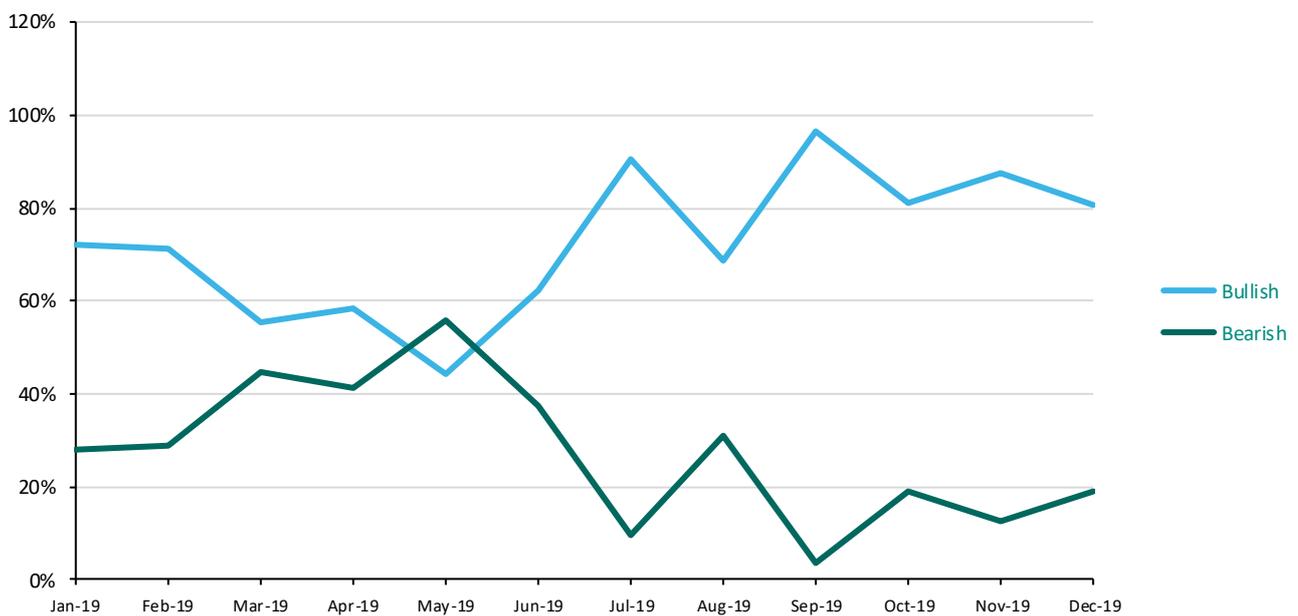
(Source Euronext)



PRODUCT STRATEGIES

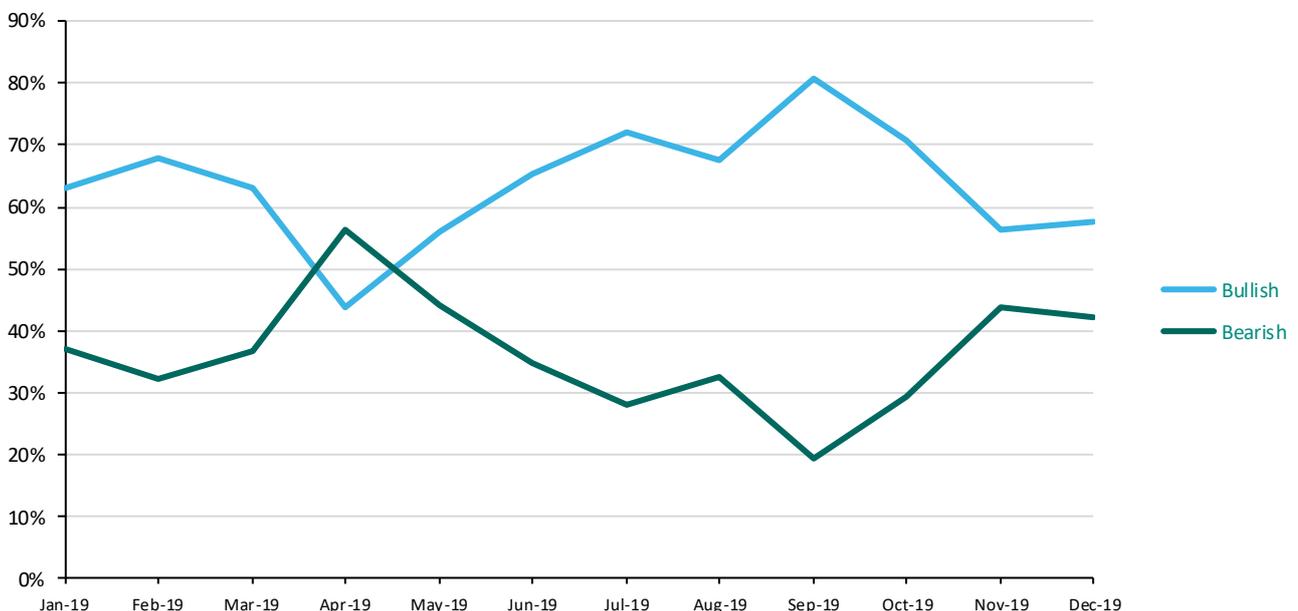
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Brussels.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Brussels.



PRODUCT STRATEGIES

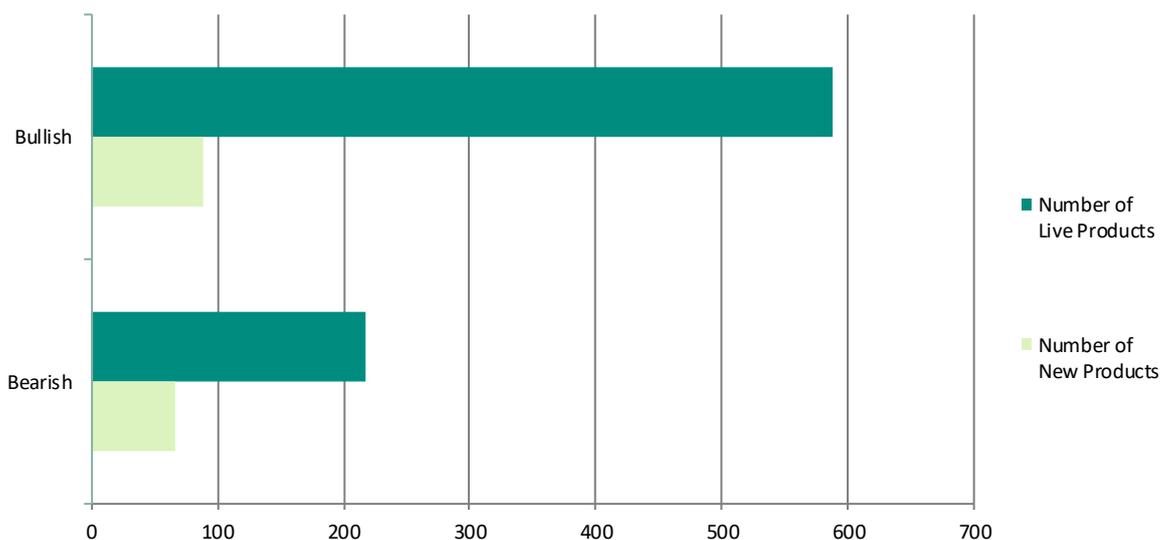
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of Euronext Brussels.

The chart at the bottom of the page represents the number of live products and number of new products for each product strategy.

Strategies	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Bullish	588	0.4%	9.7%	73.0%	89	-14.4%	-21%	57.1%
Bearish	218	-0.5%	-12.5%	27.0%	67	-4.3%	-17.2%	42.9%
Total	806	0.2%	2.7%	100%	156	-10.3%	-19.7%	100%

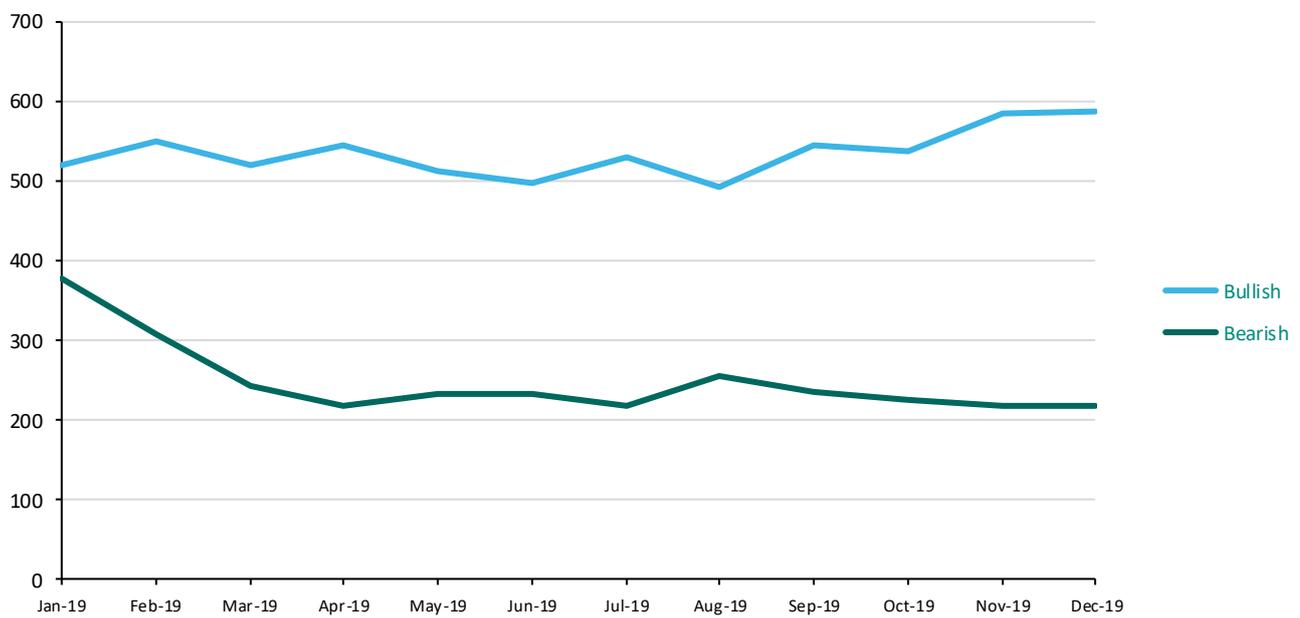
(Source Euronext)



PRODUCT STRATEGIES

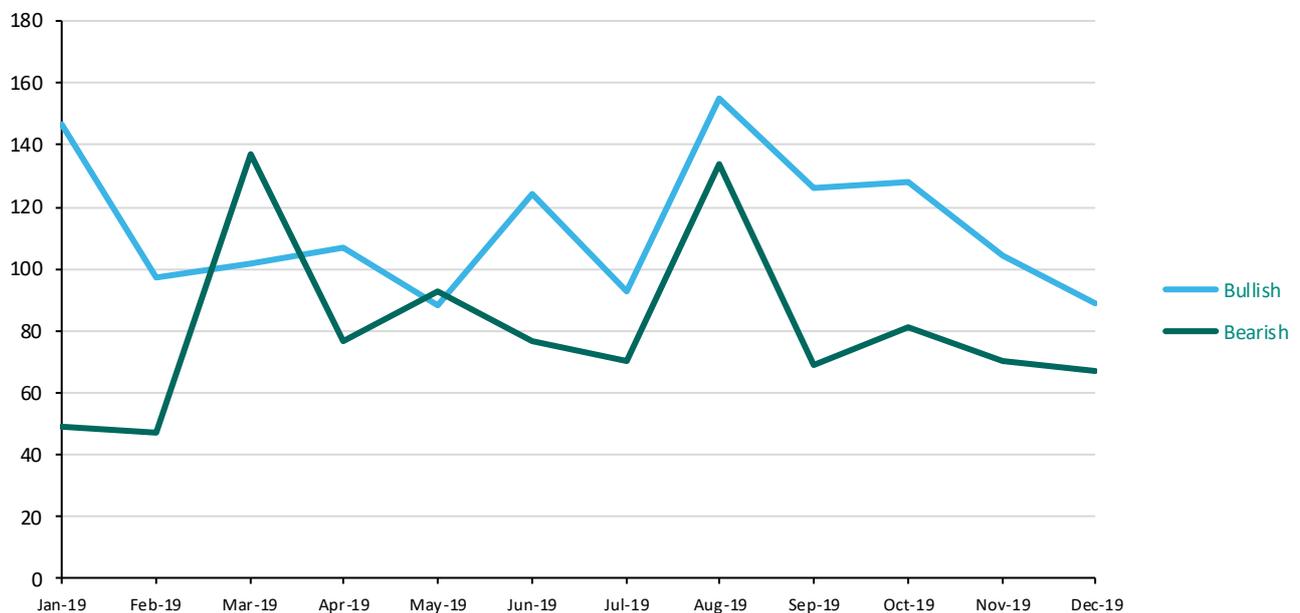
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Brussels.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Brussels.



UNDERLYING TYPES

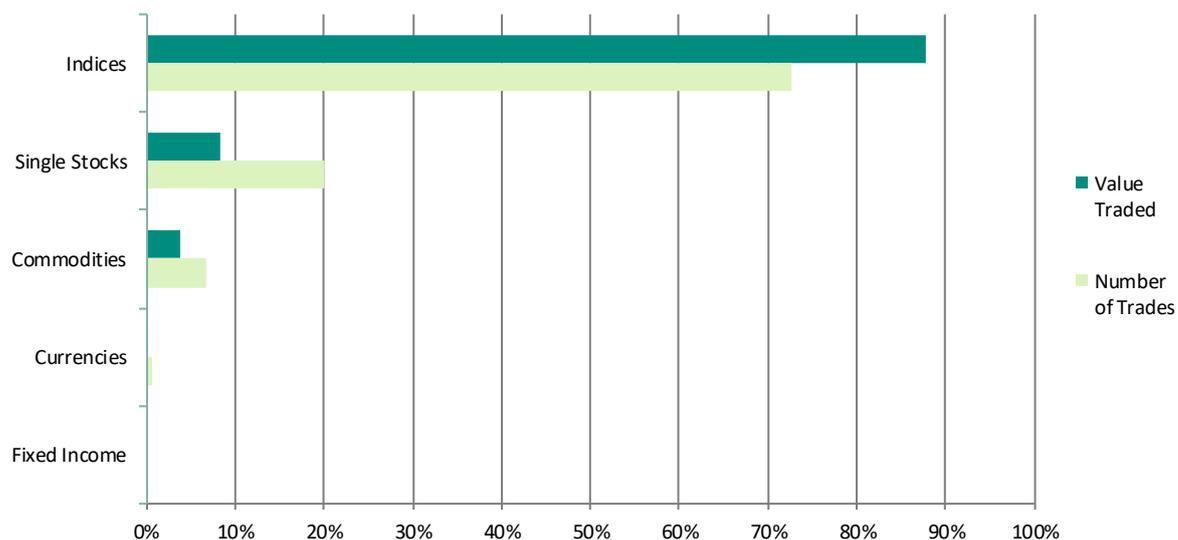
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of Euronext Brussels.

The chart at the bottom of the page represents the weight of each underlying type in terms of value traded and number of trades.

Underlying Types	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Indices	538	-10.9%	23%	87.9%	147	-30.5%	1.9%	72.7%
Single Stocks	51	-30%	-29%	8.3%	41	-5.7%	-26.0%	20.1%
Commodities	23	-10.3%	-17.7%	3.8%	13	-11.3%	-10.1%	6.6%
Currencies	0	-74%	-86%	0.0%	1.2	-16.0%	-59.0%	0.6%
Fixed Income	0		-100%	0.0%	0.0		-100.0%	0.0%
Total	613	-42.5%	-5.2%	100%	202	-25.9%	-7.1%	100%

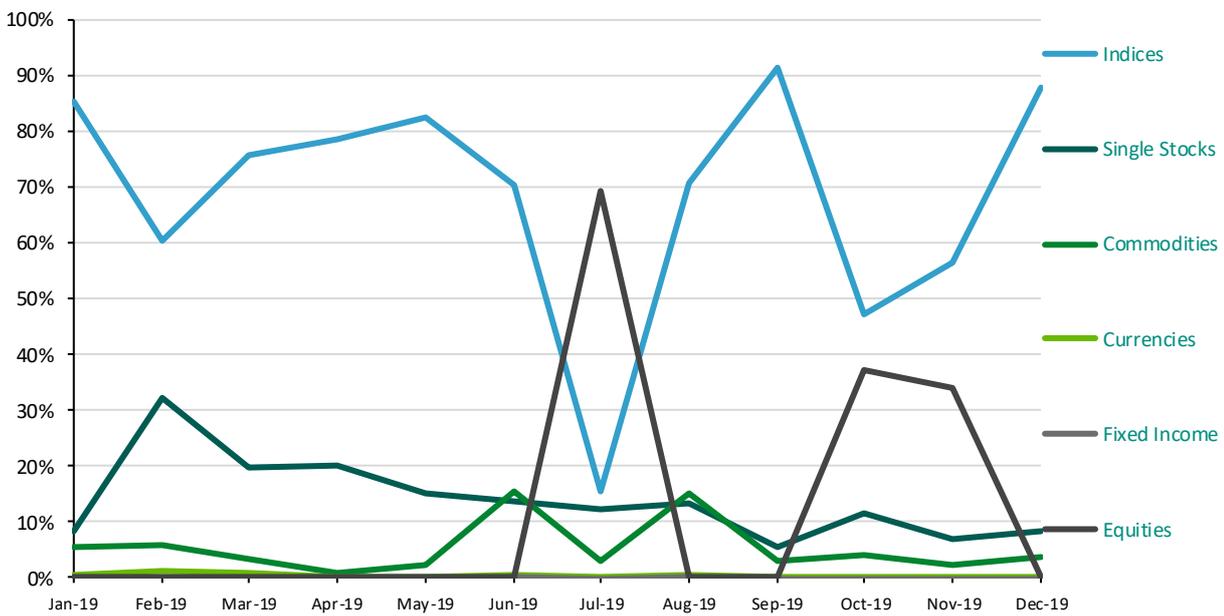
(Source Euronext)



UNDERLYING TYPES

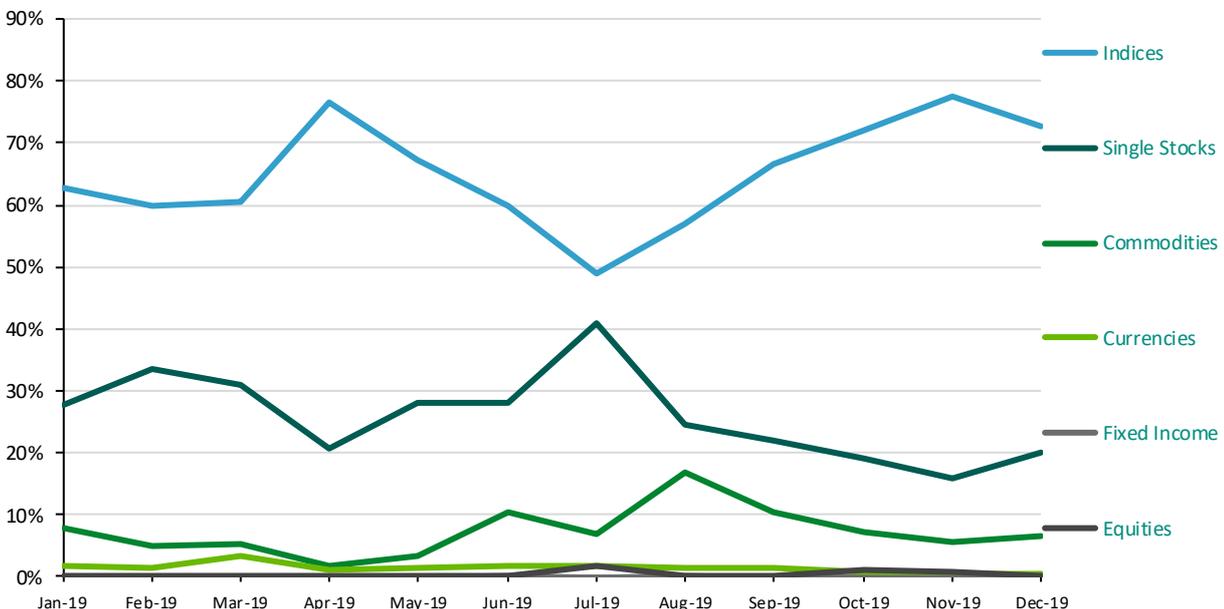
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying type over the total value traded on Euronext Brussels.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each underlying type over the total number of trades on Euronext Brussels.



UNDERLYING TYPES

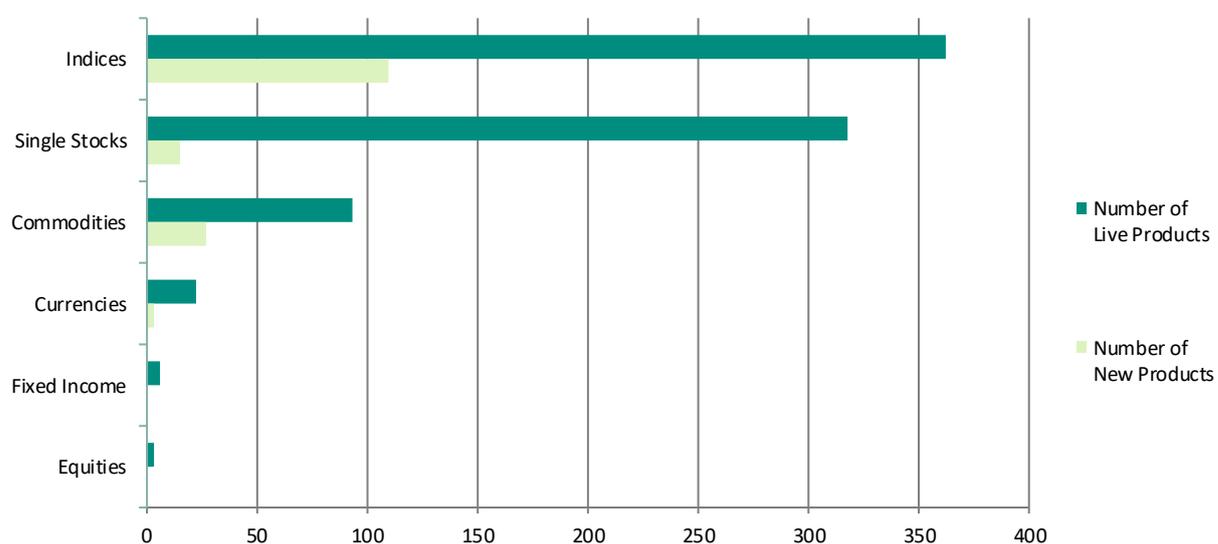
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of Euronext Brussels.

The chart at the bottom of the page represents the number of live products and number of new products for each underlying type.

Underlying Types	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Indices	363	1.4%	4.2%	45.0%	110	1.9%	-5.6%	70.5%
Single Stocks	318	-0.4%	0.1%	39.5%	15	-55%	-58%	9.6%
Commodities	94	-0.6%	6.9%	11.6%	27	-10.0%	-24%	17.3%
Currencies	22	-2.9%	-5.1%	2.8%	3	200%	-28%	1.9%
Fixed Income	6	-3.3%	-15.7%	0.7%	0		-100%	0.0%
Equities	3	-19.2%	210%	0.4%	0	-100%	-100%	0.0%
Total	806	0.2%	2.7%	100%	156	-10.3%	-19.7%	100%

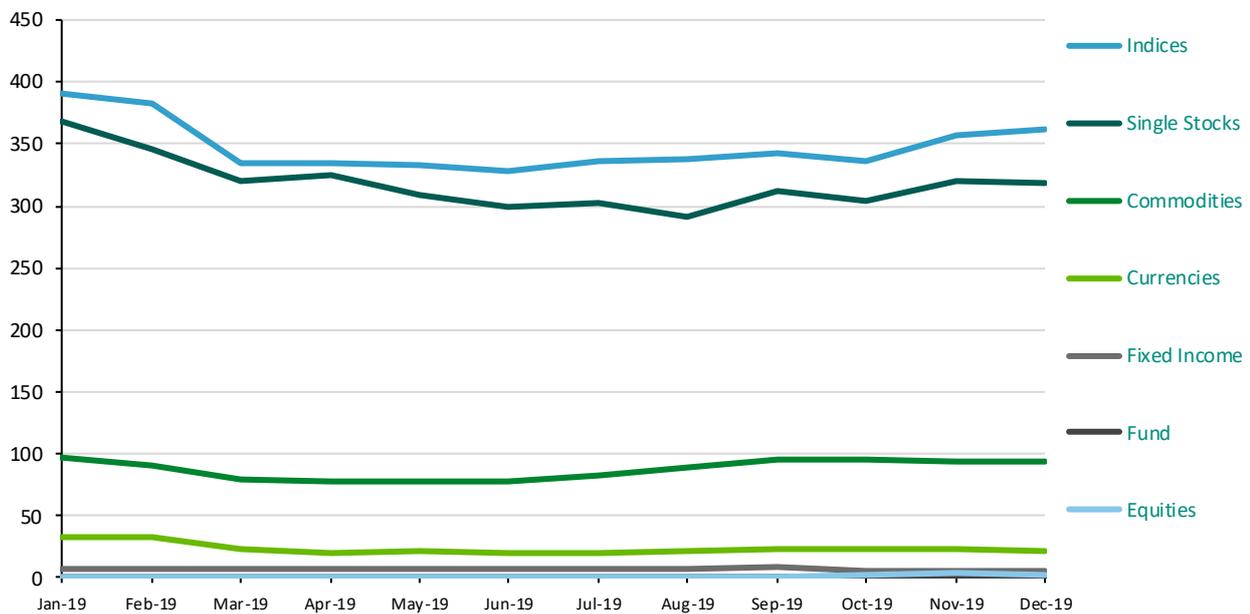
(Source Euronext)



UNDERLYING TYPES

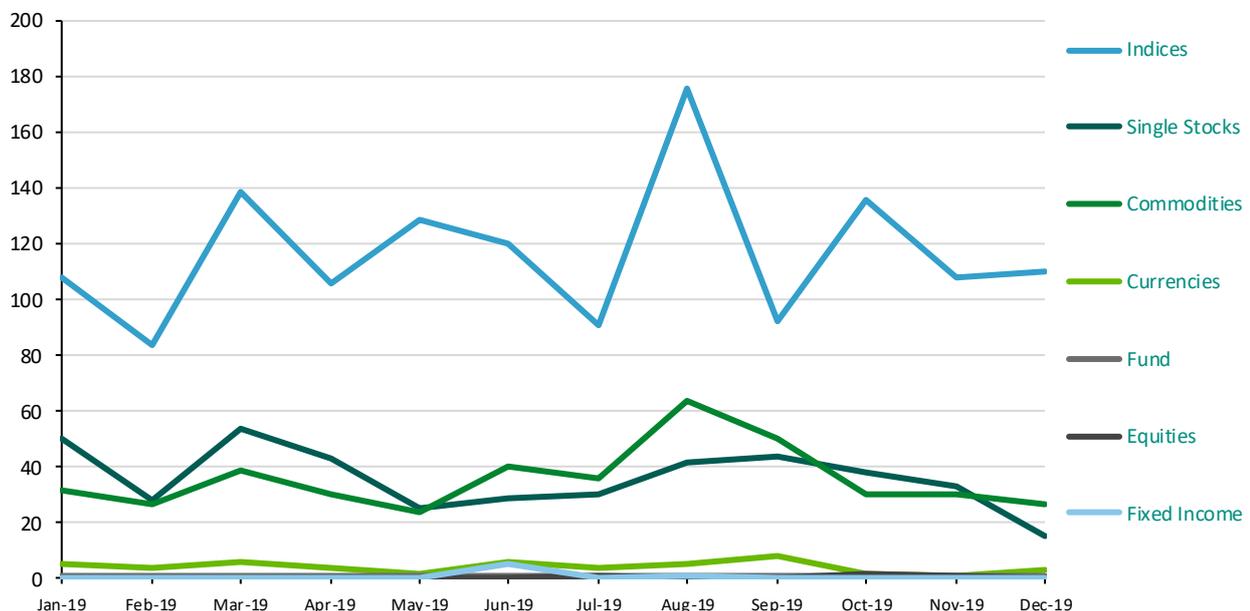
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying type on Euronext Brussels.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying type on Euronext Brussels.



TOP 10 UNDERLYING COUNTRIES

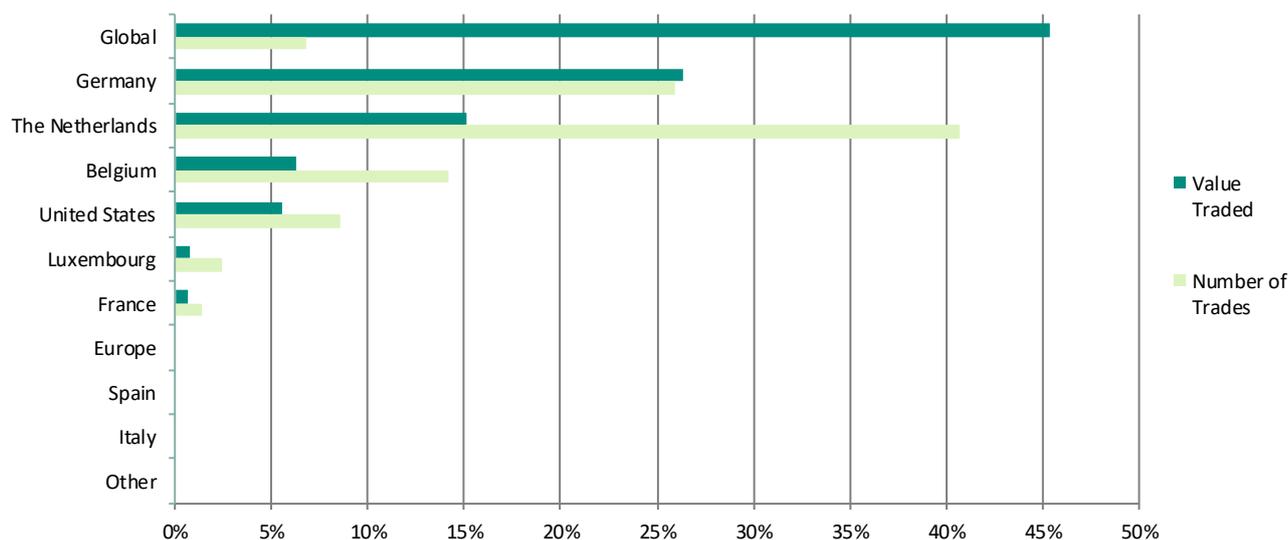
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of Euronext Brussels.

The chart at the bottom of the page represents the weight of each underlying country of origin in terms of value traded and number of trades.

Underlying Countries	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Global	278	977%	84%	45.4%	14	-8.9%	-10.7%	6.8%
Germany	161	-38%	16.2%	26.3%	52	-7.8%	-8.1%	26.0%
The Netherlands	92	-41%	-14.5%	15.1%	82	-45%	0.7%	40.7%
Belgium	39	-26%	-29%	6.3%	29	0.8%	-23%	14.2%
United States	34	63%	-44%	5.5%	17	55%	2.8%	8.6%
Luxembourg	5	-7.9%	11.0%	0.7%	4.8	-14.0%	17.3%	2.4%
France	4	-50%	-52%	0.6%	2.9	-30%	-37%	1.4%
Europe	0	-100%	-100%	0.0%	0.0	-100%	-100%	0.0%
Spain	0			0.0%	0.0			0.0%
Italy	0			0.0%	0.0			0.0%
Other	0			0.0%	0.0			0.0%
Total	613	-42.5%	-5.2%	100%	202	-25.9%	-7.1%	100%

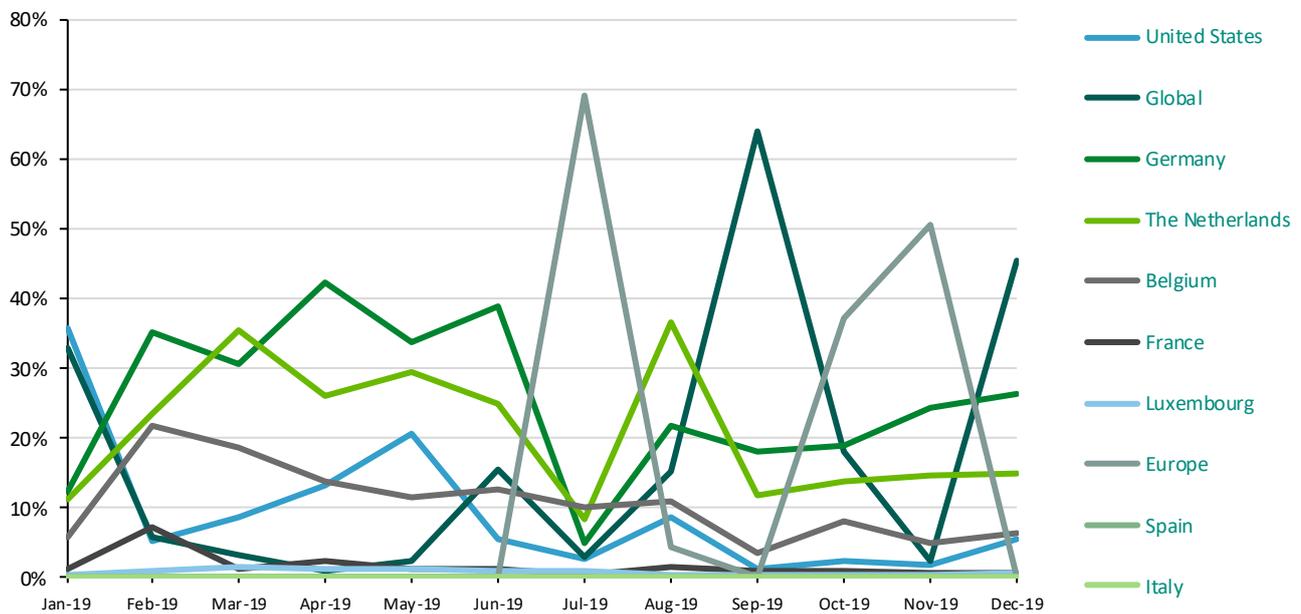
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

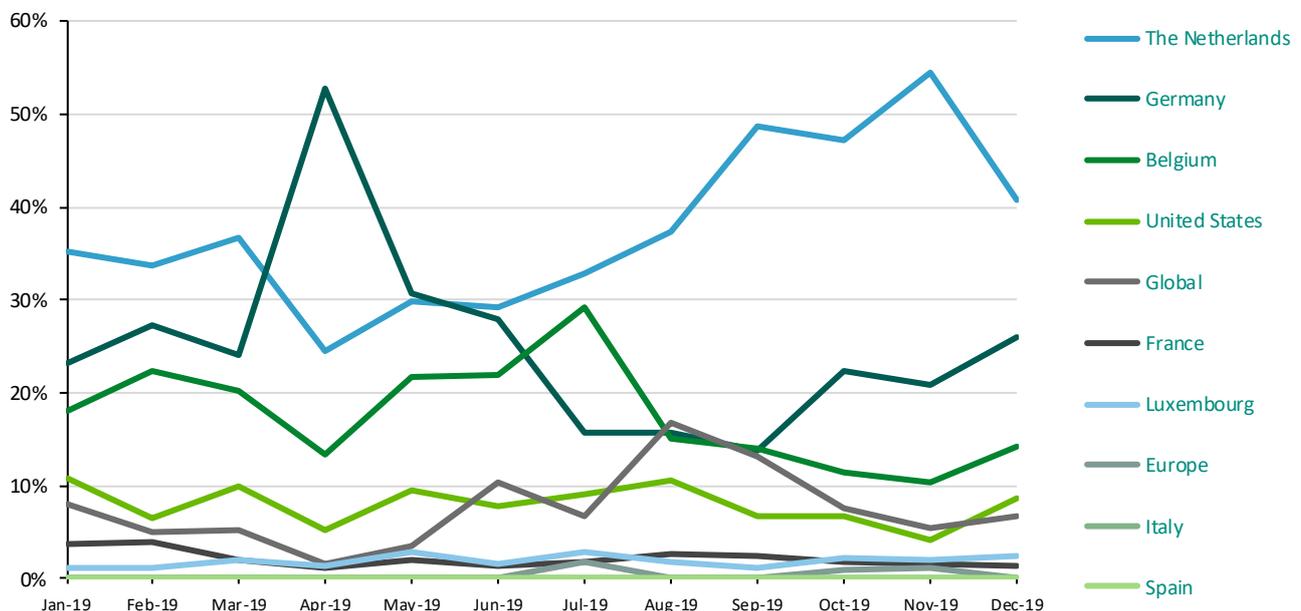
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying country of origin over the total value traded on Euronext Brussels.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each underlying country of origin over the total number of trades on Euronext Brussels.



TOP 10 UNDERLYING COUNTRIES

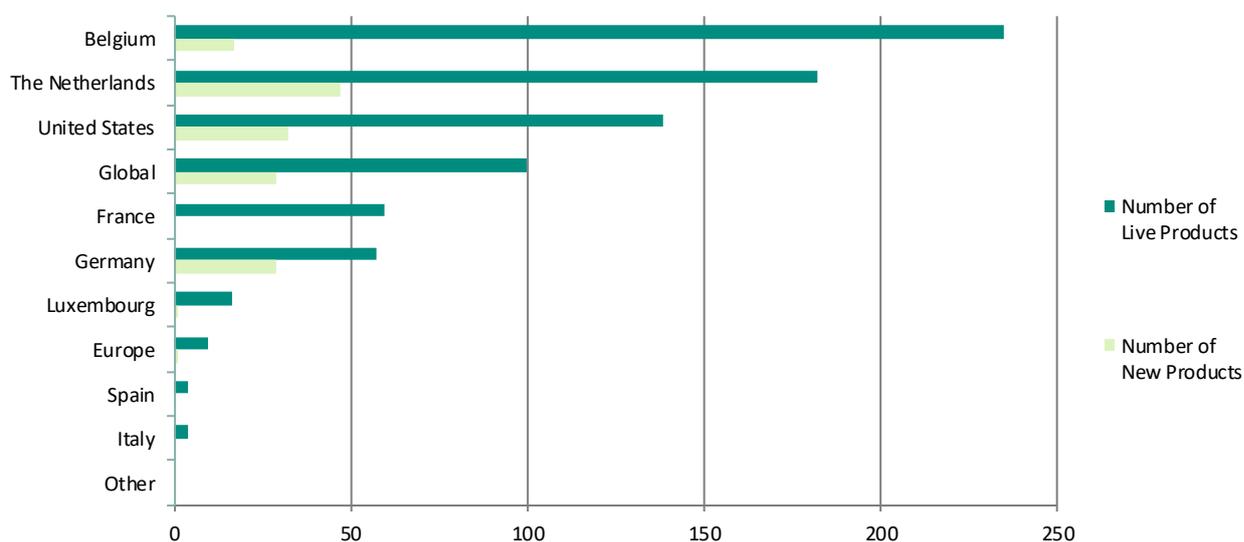
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of Euronext Brussels.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying country.

Underlying Countries	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Belgium	235	-0.3%	-2.8%	29.2%	17	-47%	-45%	10.9%
The Netherlands	182	0.1%	5.8%	22.6%	47	-4.1%	-12.1%	30.1%
United States	138	5.2%	6.8%	17.2%	32	28%	-12.5%	20.5%
Global	100	-0.1%	9.6%	12.4%	29	-3.3%	-20%	18.6%
France	60	0.5%	-4.7%	7.4%	0	-100%	-100%	0.0%
Germany	57	-7.3%	-2.3%	7.1%	29	3.6%	0.0%	18.6%
Luxembourg	17	10.7%	29%	2.0%	1	-80%	-70%	0.6%
Europe	9	-16.3%	11.2%	1.2%	1	-67%	-48%	0.6%
Spain	4	0.0%	-0.4%	0.5%	0		-100%	0.0%
Italy	4	-10.0%	-9.6%	0.4%	0		-100%	0.0%
Other	0			0.0%	0			0.0%
Total	806	0.2%	2.7%	100%	156	-10.3%	-19.7%	100%

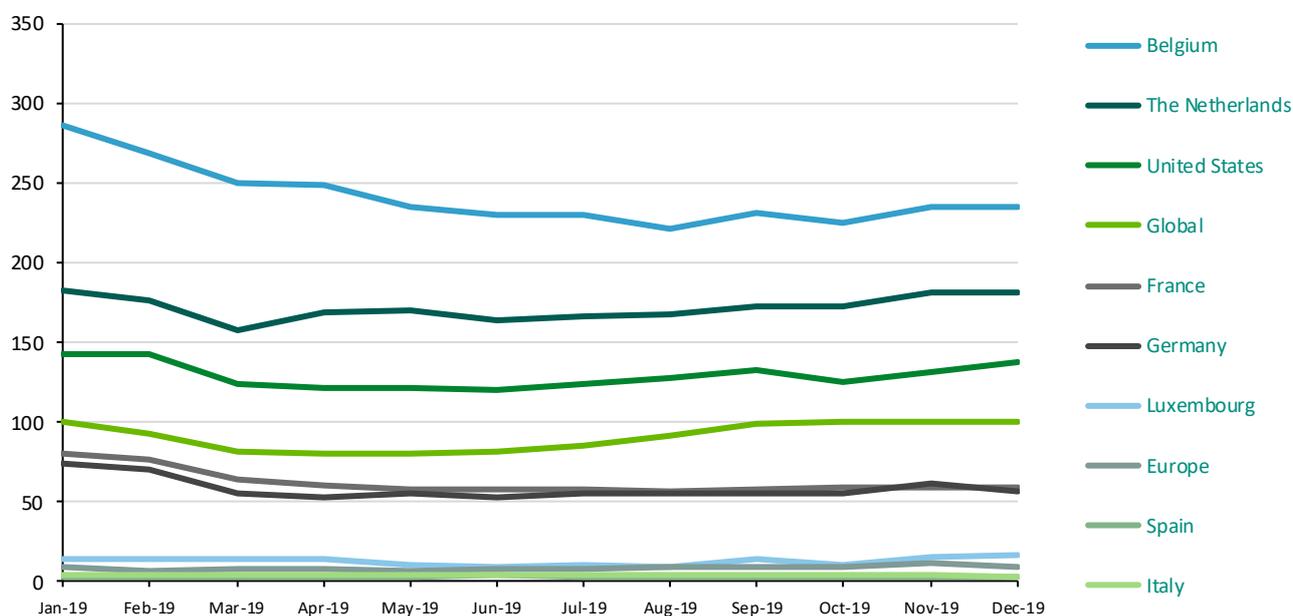
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

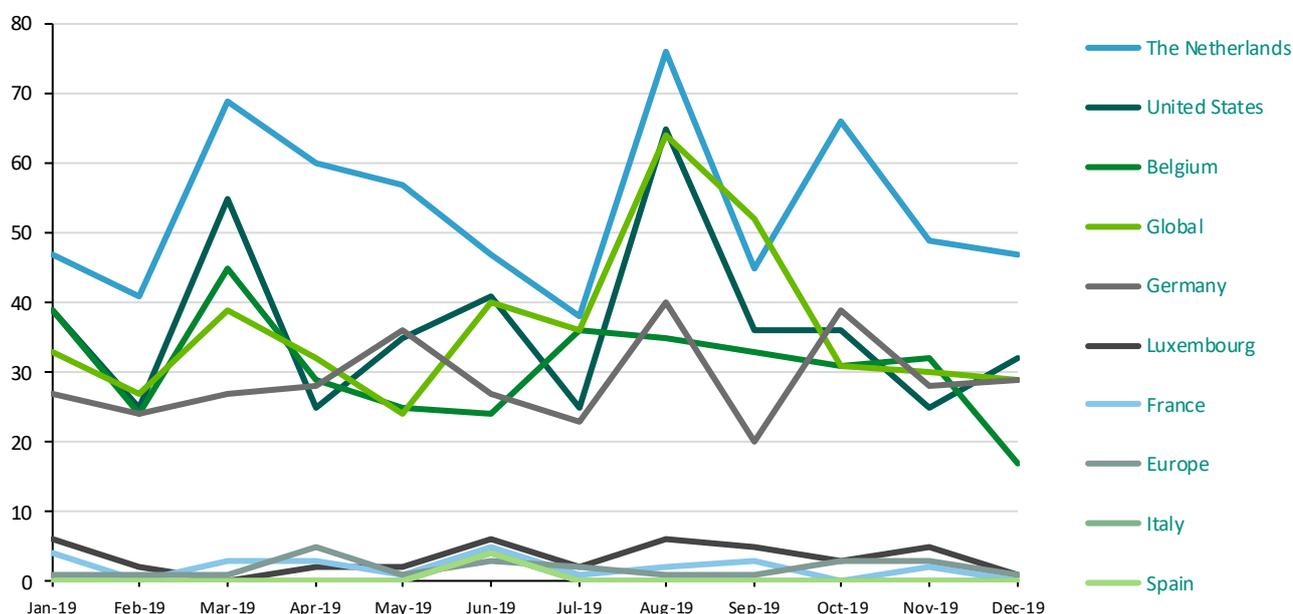
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying country of origin on Euronext Brussels.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying country of origin on Euronext Brussels.



TOP 10 UNDERLYINGS

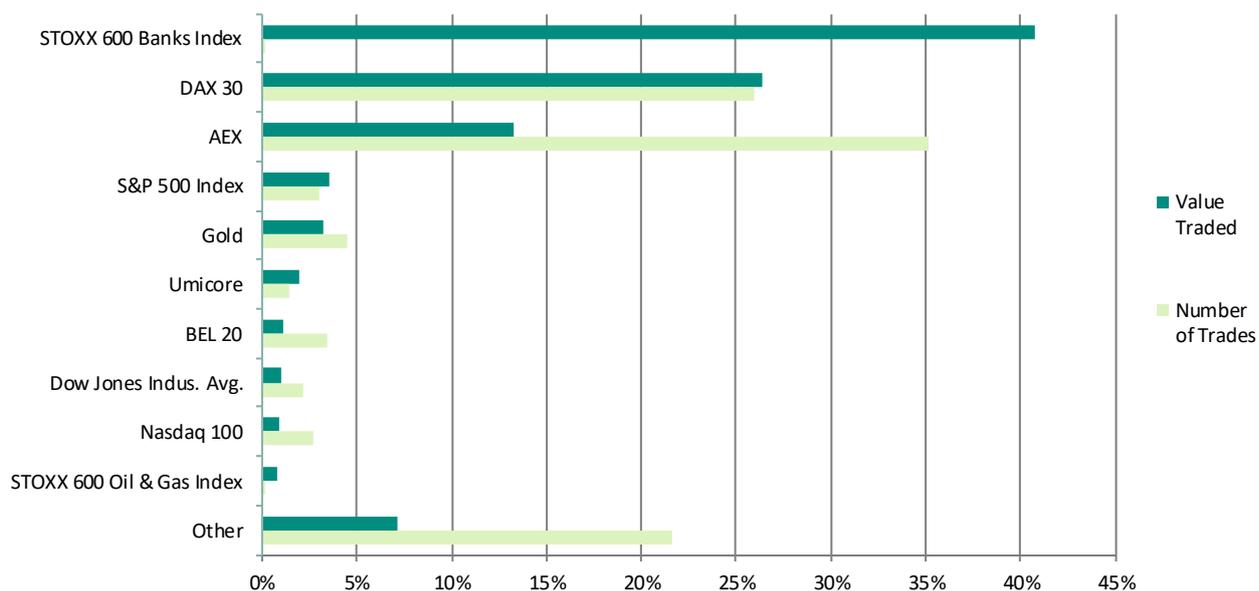
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of Euronext Brussels.

The chart at the bottom of the page represents the weight of each of the top 10 underlyings in terms of value traded and number of trades.

Underlyings	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
STOXX 600 Banks Index	250		NA	40.8%	0.4		NA	0.2%
DAX 30	161	-38%	16.2%	26.3%	52	-7.8%	-8.1%	26.0%
AEX	82	-42%	-10.6%	13.3%	71	-49%	7.9%	35.2%
S&P 500 Index	22	190%	177%	3.5%	6.0	223%	60%	3.0%
Gold	20	-15.1%	0.6%	3.2%	9.1	-15.1%	-12.3%	4.5%
Umicore	12	-47%	-3.3%	1.9%	2.9	-52%	-43%	1.4%
BEL 20	7	-16.3%	-38%	1.1%	6.9	31%	9.5%	3.4%
Dow Jones Indus. Avg.	6	4.8%	-15.6%	1.0%	4.3	11.5%	24%	2.1%
Nasdaq 100	5	-18.2%	-88%	0.9%	5.4	44%	-9.0%	2.7%
STOXX 600 Oil & Gas Index	5		-95%	0.8%	0.1		-90%	0.0%
Other	43			7.1%	43			21.6%
Total	613	-42.5%	-5.2%	100%	202	-25.9%	-7.1%	100%

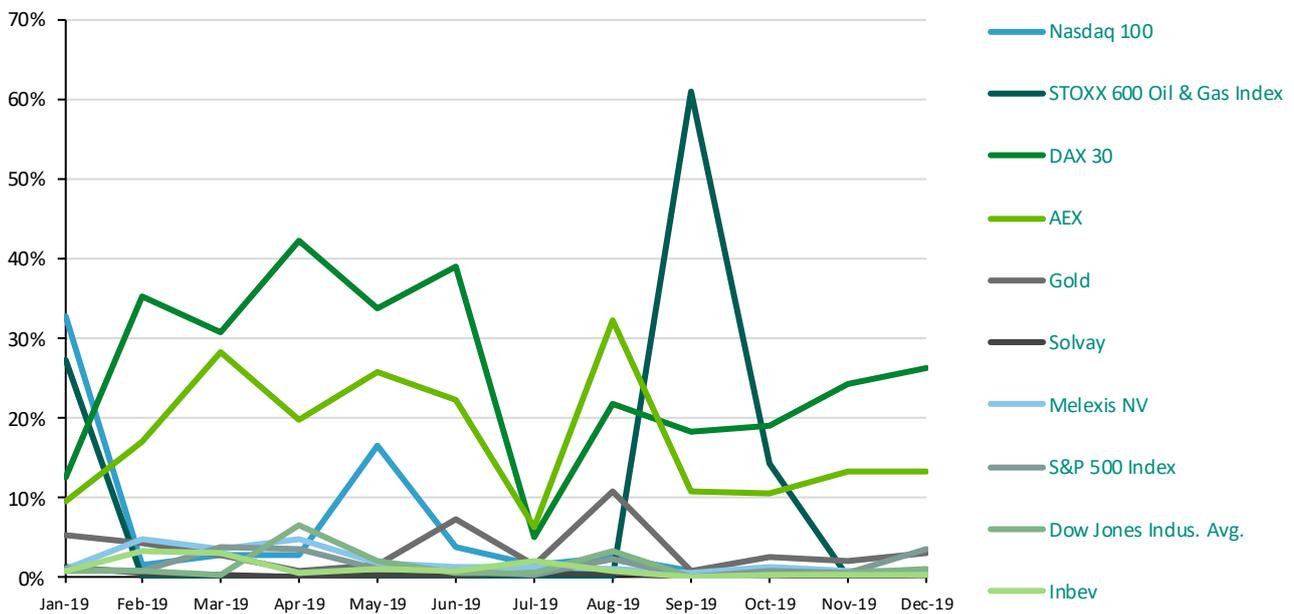
(Source Euronext)



TOP 10 UNDERLYINGS

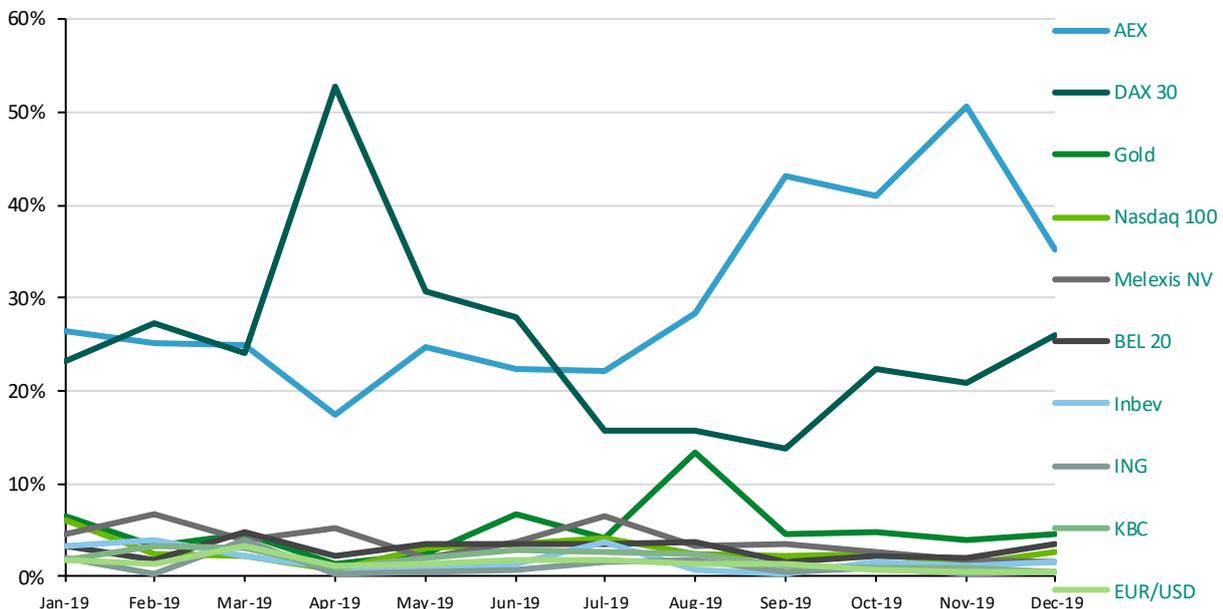
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each top 10 underlying over the total value traded on Euronext Brussels.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each top 10 underlying over the total number of trades on Euronext Brussels.



TOP 10 UNDERLYINGS

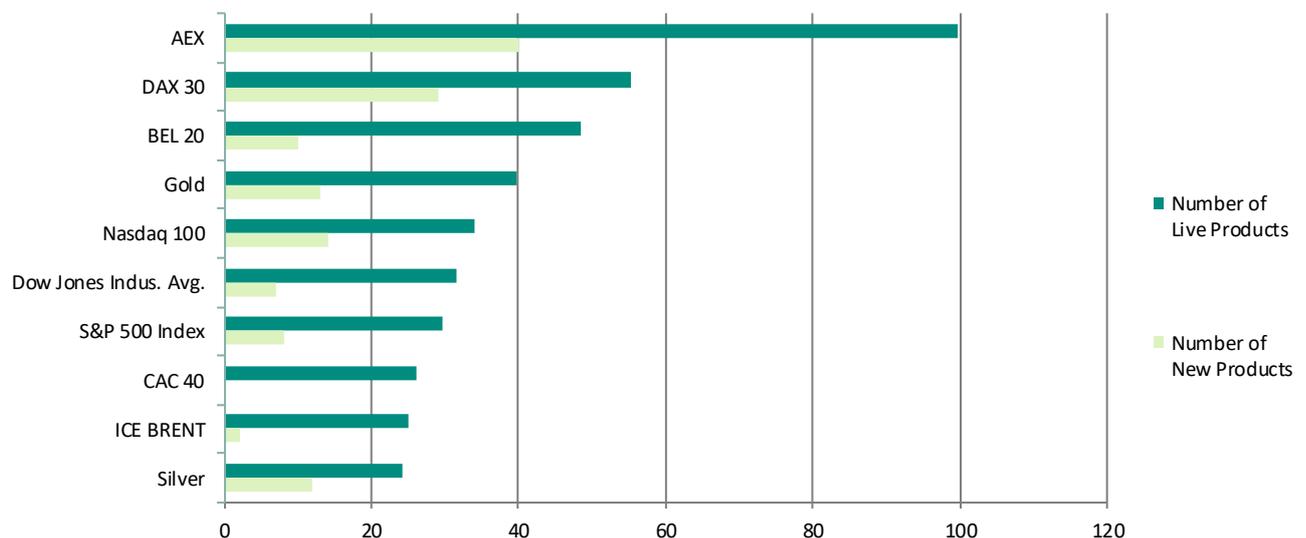
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of Euronext Brussels.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying.

Underlyings	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
AEX	100	1.7%	6.1%	12.4%	40	0.0%	-0.8%	25.6%
DAX 30	55	-7.3%	-0.9%	6.9%	29	3.6%	0.6%	18.6%
BEL 20	48	2.8%	2.2%	6.0%	10	-33%	-22%	6.4%
Gold	40	-1.0%	11.6%	4.9%	13	-13.3%	-23%	8.3%
Nasdaq 100	34	8.5%	16.0%	4.2%	14	56%	9.8%	9.0%
Dow Jones Indus. Avg.	32	4.2%	10.1%	3.9%	7	-22%	-31%	4.5%
S&P 500 Index	30	13.6%	14.0%	3.7%	8	33%	1.1%	5.1%
CAC 40	26	0.0%	-9.9%	3.2%	0		-100%	0.0%
ICE BRENT	25	-0.4%	-3.9%	3.1%	2	100%	-59%	1.3%
Silver	24	-0.4%	18.1%	3.0%	12	-14.3%	-12.2%	7.7%
Other	393	-1.0%	-0.1%	48.7%	21			13.5%
Total	806	0.2%	2.7%	100%	156	-10.3%	-19.7%	100%

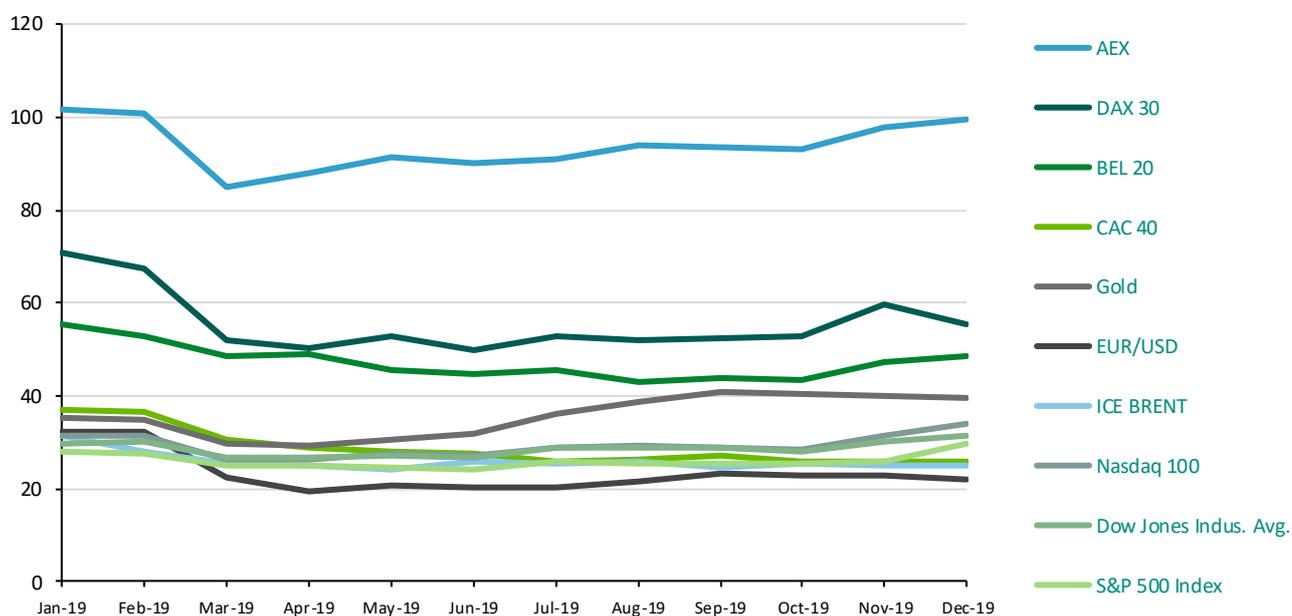
(Source Euronext)



TOP 10 UNDERLYINGS

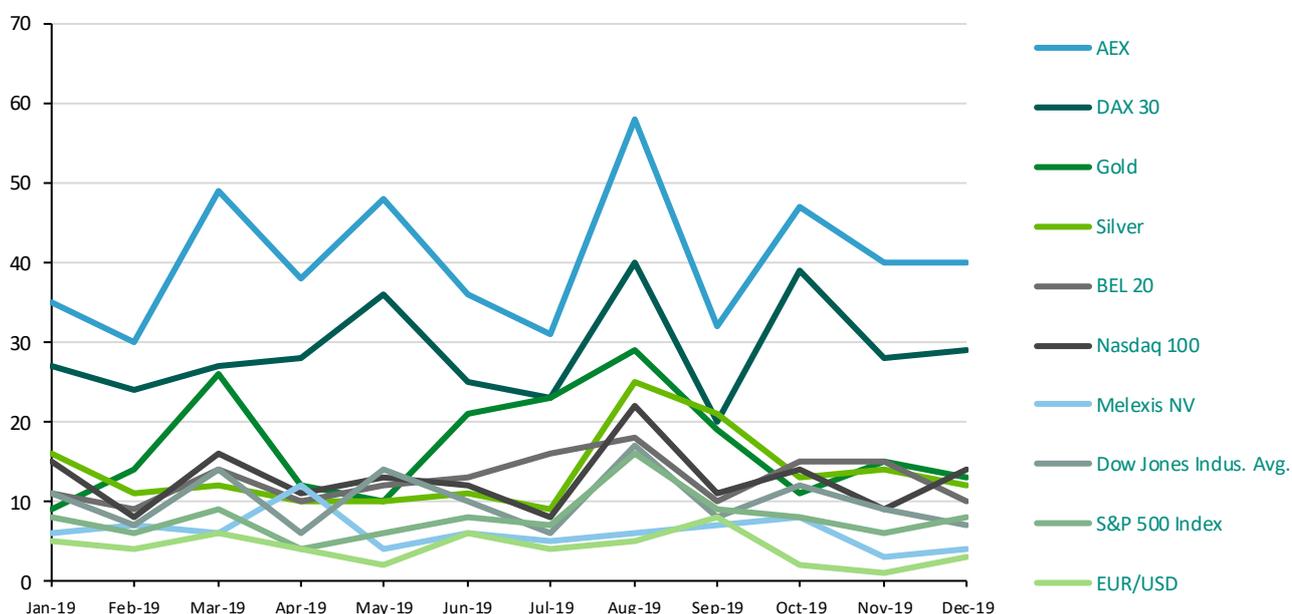
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each top 10 underlying on Euronext Brussels.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each top 10 underlying on Euronext Brussels.



TOP 50 TRADED PRODUCTS

Top 50 traded products

The table below displays the 50 most traded products (in terms of value traded) on Euronext Brussels.

ISIN Code	Issuer		Product Type	Underlying	Value Traded (in €k)	Nb of Trades
LU2091973755	KBC	1260	Express Certificates	STOXX 600 Banks Index	3,500	5
LU2091973243	KBC	1260	Express Certificates	STOXX 600 Banks Index	1,500	2
DE000CJ3MU33	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	977	115
DE000CJ3MU17	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	592	42
DE000CJ3MV81	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	486	27
DE000CJ3LLA4	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	402	305
DE000CJ3MS03	Commerzbank	2205	Open-End Knock-Out Warrants	S&P 500 Index	258	49
DE000CJ3MT10	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	252	42
DE000CJ3LB86	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	183	443
DE000CJ3L2K0	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	144	84
DE000CJ3MT69	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	143	147
DE000CJ3MVA1	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	126	31
DE000CJ3ML34	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	122	35
DE000CJ3MVB9	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	120	83
LU2094030132	KBC	1260	Express Certificates	S&P 500 Index	112	1
LU2051401235	KBC	1260	Express Certificates	STOXX 600 Oil & Gas Index	101	1
DE000CJ3ML18	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	89	26
DE000CJ3MWA9	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	88	13
DE000CJ3MWH4	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	88	30
DE000CJ3MD75	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	86	99
DE000CJ3MS29	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	86	12
DE000CJ3MTY5	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	80	82
DE000CE736W6	Commerzbank	2205	Open-End Knock-Out Warrants	Umicore	80	3
DE000CJ3MJ53	Commerzbank	2205	Open-End Knock-Out Warrants	Umicore	71	21
DE000CJ3MNH3	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	67	50
DE000CJ3MS86	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	61	24
DE000CJ3MUS5	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	58	17
DE000CJ3LY14	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	57	10
DE000CJ3MSM2	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	57	53
DE000CJ3MRW3	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	49	49
DE000CJ3MLZ9	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	48	41
DE000CJ3MNJ9	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	48	19
DE000CJ3MR61	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	46	35
DE000CJ3MTQ1	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	43	53
DE000CJ3MNZ5	Commerzbank	2205	Open-End Knock-Out Warrants	Aperam	40	15
DE000CJ3MWP7	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	39	45
DE000CROKKT4	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	39	4
DE000CJ3MWU7	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	39	44
DE000CJ3MTL2	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	38	14
DE000CJ3MWW5	Commerzbank	2205	Open-End Knock-Out Warrants	Dow Jones Indus. Avg.	36	11
DE000CN91567	Commerzbank	2210	Mini-Futures	BEL 20	34	5
DE000CJ3MCV7	Commerzbank	2205	Open-End Knock-Out Warrants	Umicore	32	4
DE000CN904V1	Commerzbank	2205	Open-End Knock-Out Warrants	Telenet	31	16
DE000CJ3MJP4	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	31	3
DE000CJ3MQX3	Commerzbank	2205	Open-End Knock-Out Warrants	Solvay	30	14
DE000CJ3MK01	Commerzbank	2205	Open-End Knock-Out Warrants	UCB	30	24
DE000CJ3MUA3	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	30	28
DE000CJ3MNR2	Commerzbank	2205	Open-End Knock-Out Warrants	Dow Jones Indus. Avg.	28	12
DE000CN90NS0	Commerzbank	2205	Open-End Knock-Out Warrants	Total	28	22
DE000CJ3MWK8	Commerzbank	2205	Open-End Knock-Out Warrants	Silver	27	16

(Source Euronext)



Euronext Lisbon

ISSUERS

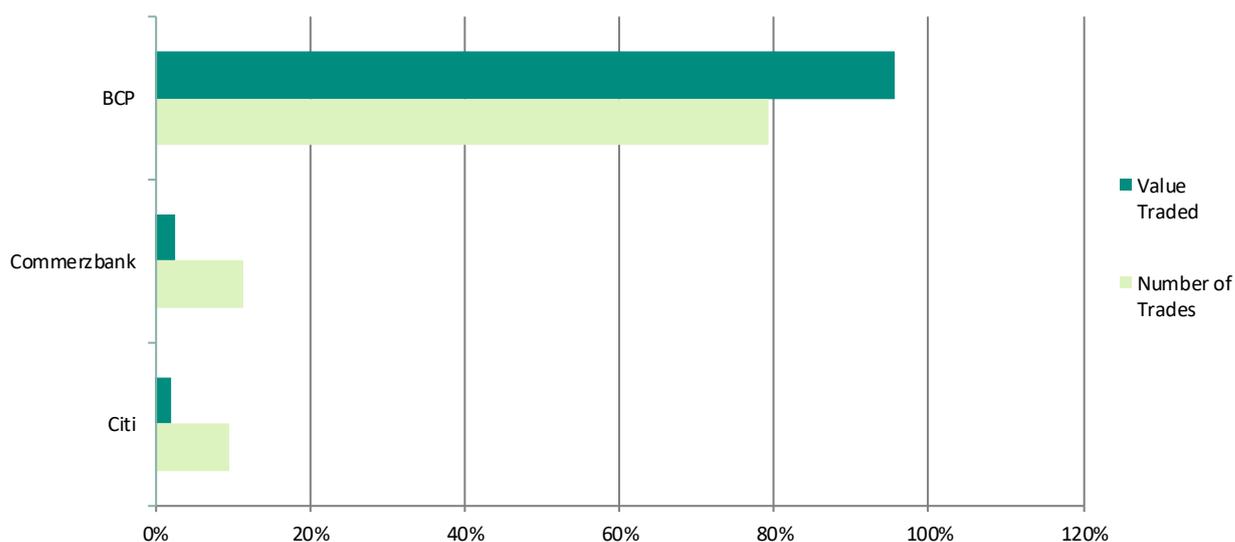
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of Euronext Lisbon.

The chart at the bottom of the page represents the weight of each issuer in terms of value traded and number of trades.

Issuers	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
BCP	5,278	-22%	5.5%	95.6%	317	-32.7%	-4.1%	79.2%
Commerzbank	139	28%	-18.4%	2.5%	45	-0.1%	-38.6%	11.2%
Citi	105	-14.4%	-10.9%	1.9%	39	4.2%	1.6%	9.6%
Total	5,522	-20.9%	4.4%	100%	401	-27.6%	-9.3%	100%

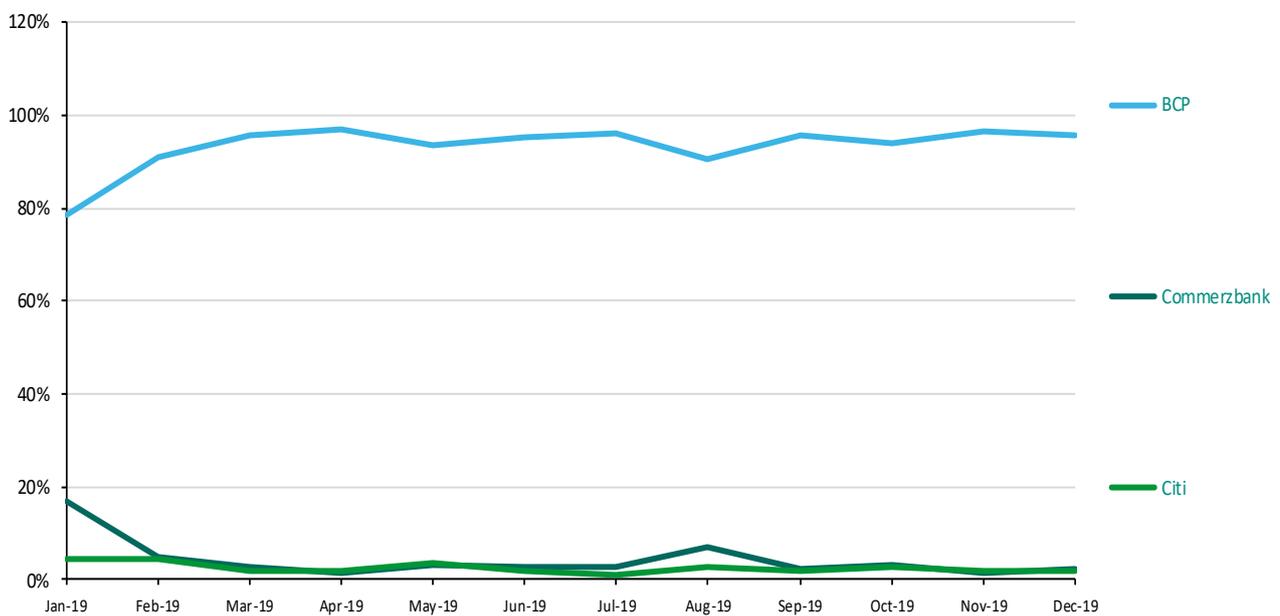
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ISSUERS

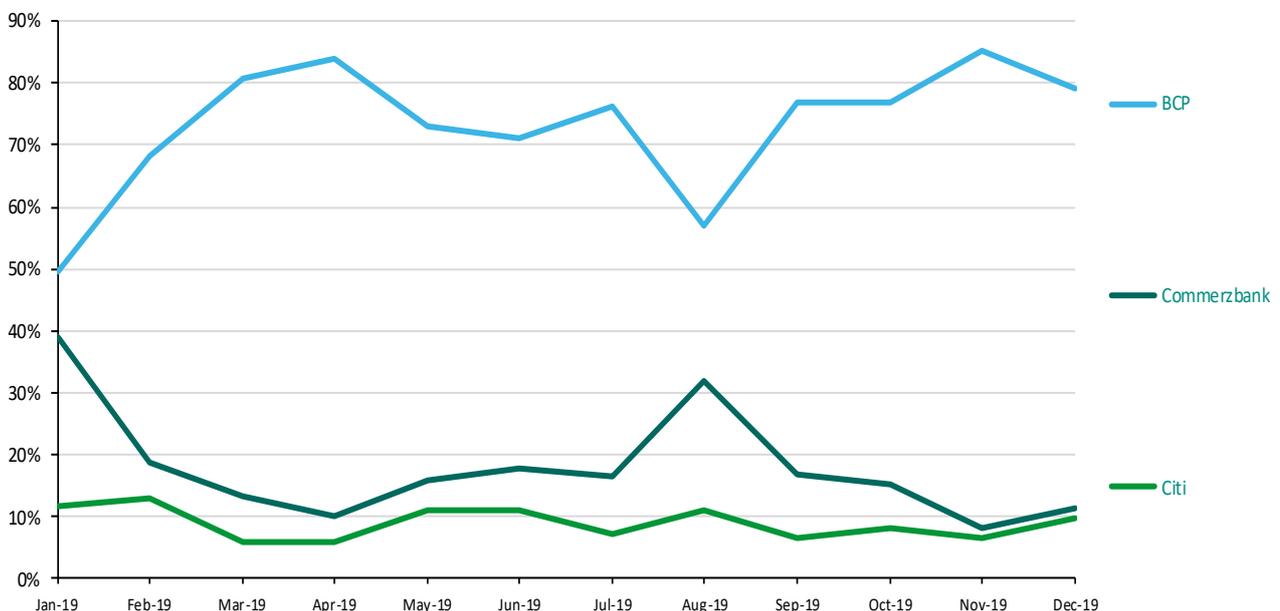
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each issuer over the total value traded on Euronext Lisbon.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each issuer over the total number of trades on Euronext Lisbon.



ISSUERS

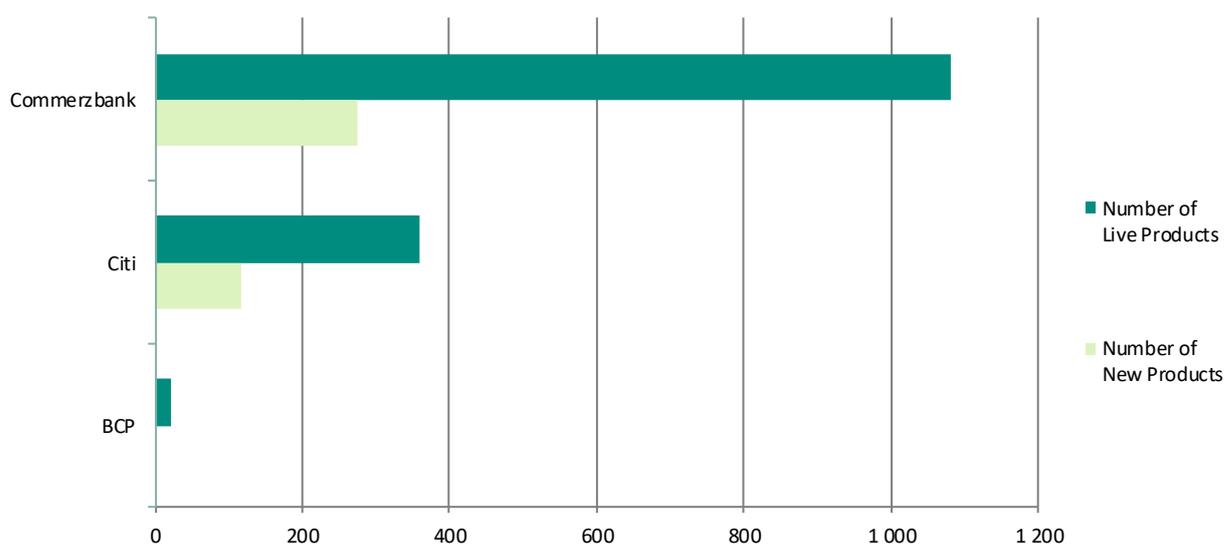
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of Euronext Lisbon.

The chart at the bottom of the page represents the number of live products and number of new products for each issuer.

Issuers	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Commerzbank	1,083	-2.4%	-4.1%	74.1%	275	-0.4%	6.2%	70.2%
Citi	358	-12.5%	-15.4%	24.5%	117	41%	-11.9%	29.8%
BCP	21	-5.8%	-5.7%	1.4%	0			0.0%
Total	1,462	-5.1%	-7.2%	100%	392	9.2%	0.1%	100%

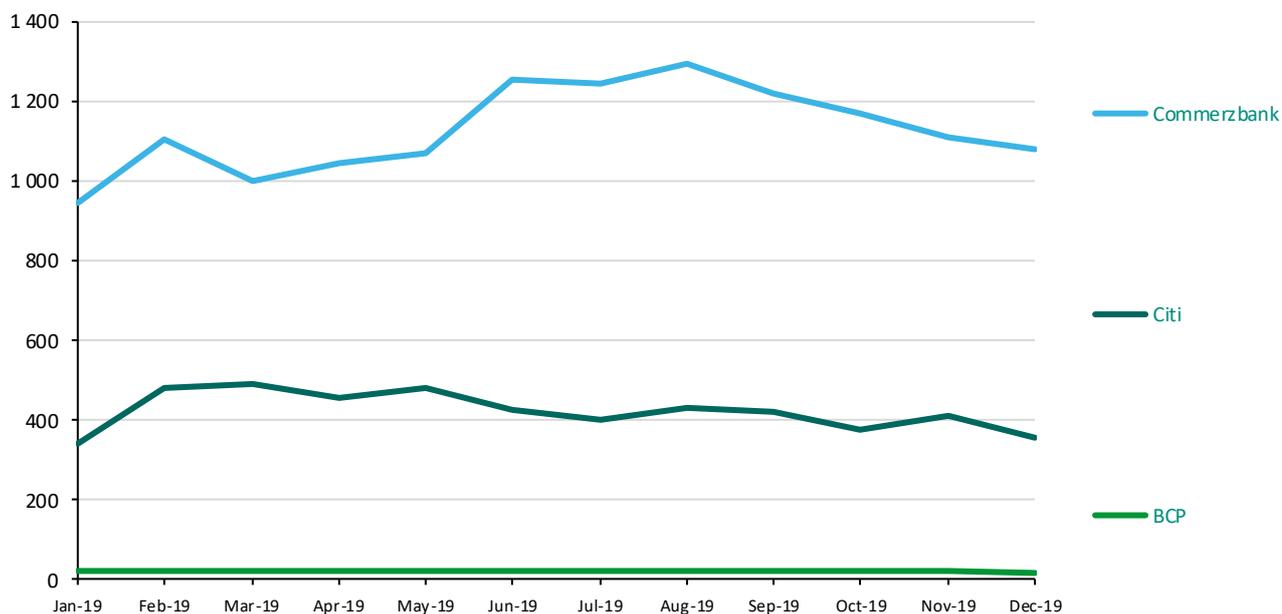
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ISSUERS

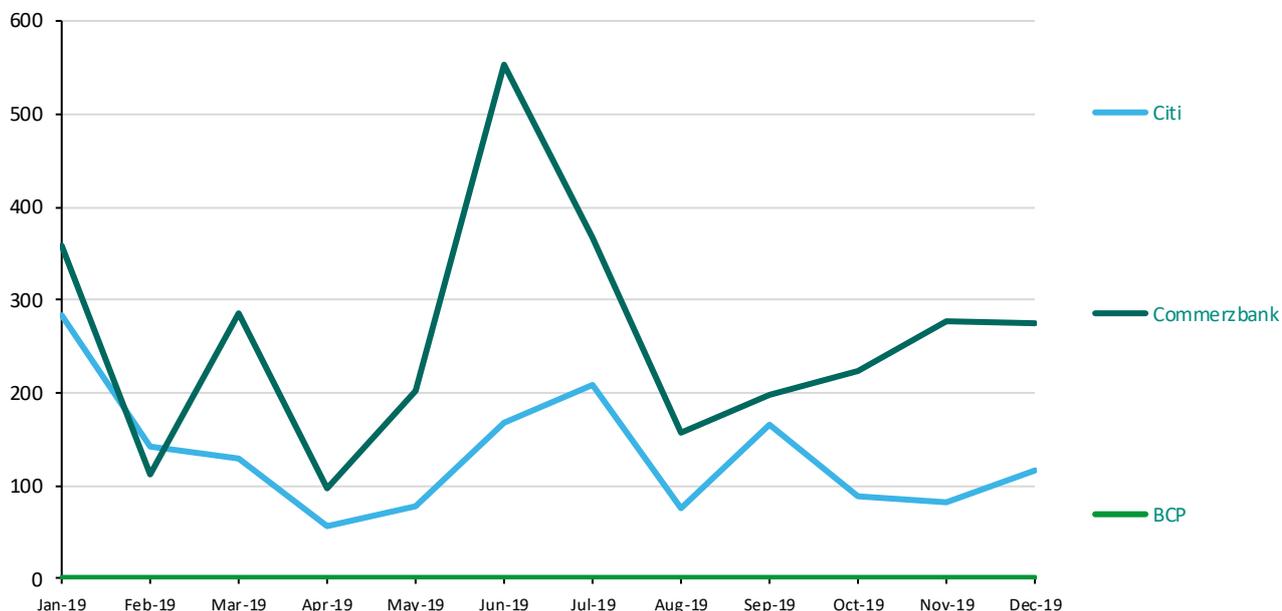
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each issuer on Euronext Lisbon.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each issuer on Euronext Lisbon.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

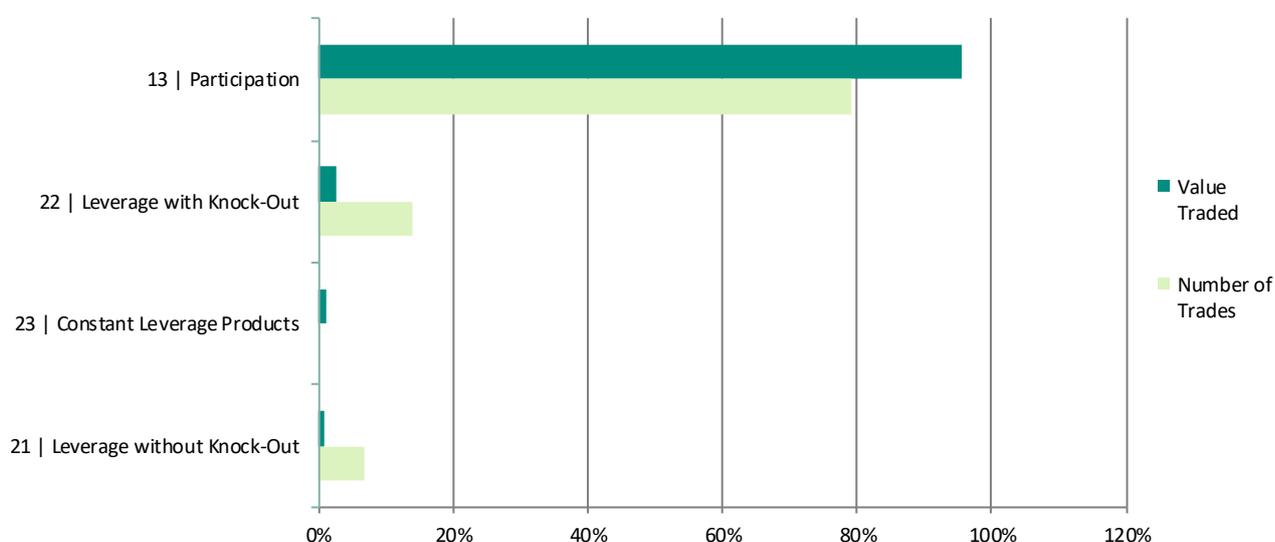
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Lisbon.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 2)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
13 Participation	5,278	-22%	5.5%	95.6%	317	-32.7%	-4.1%	79.2%
22 Leverage with Knock-Out	137	-31%	-35%	2.5%	56	-8.6%	-29.6%	13.9%
23 Constant Leverage Products	63	NA	457%	1.1%	1.0	50.0%	-27.6%	0.2%
21 Leverage without Knock-Out	43	51%	-33%	0.8%	27	31.4%	-12.7%	6.7%
Total	5,522	-20.9%	4.4%	100%	401	-27.6%	-9.3%	100%

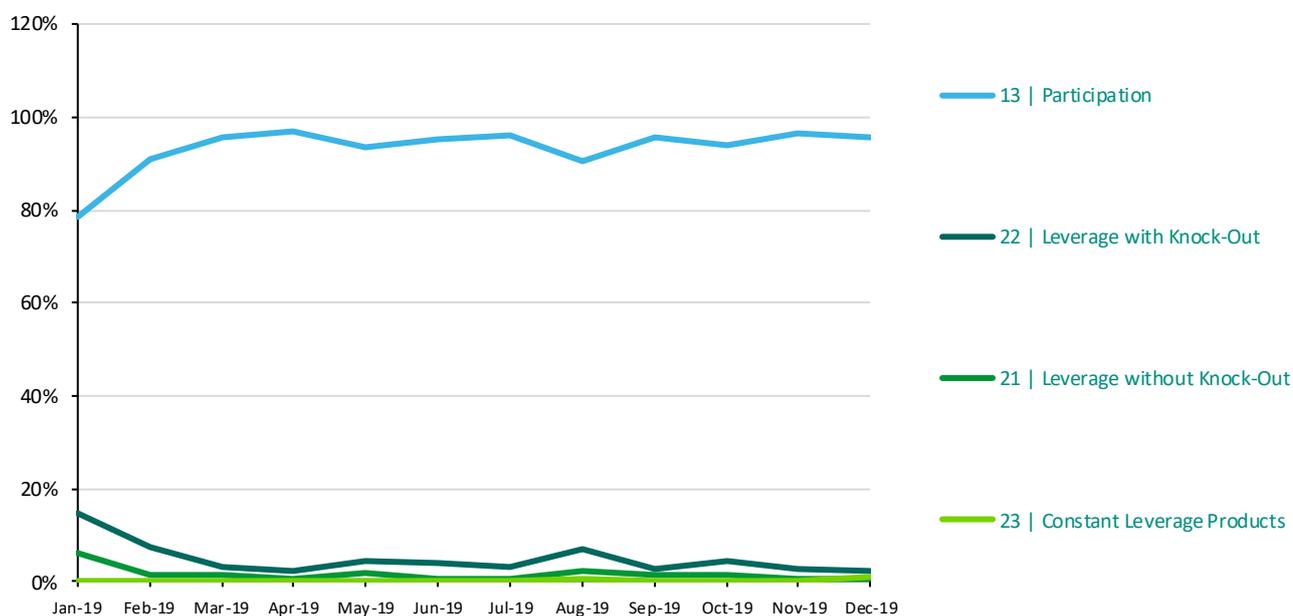
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PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

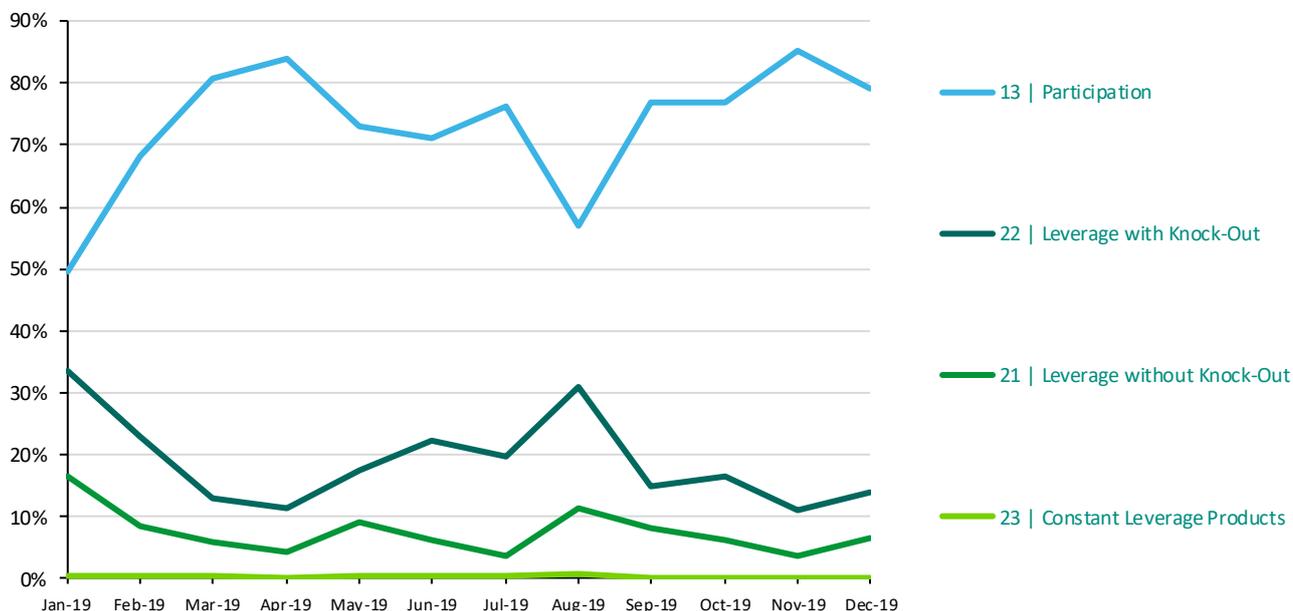
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Lisbon.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Lisbon.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

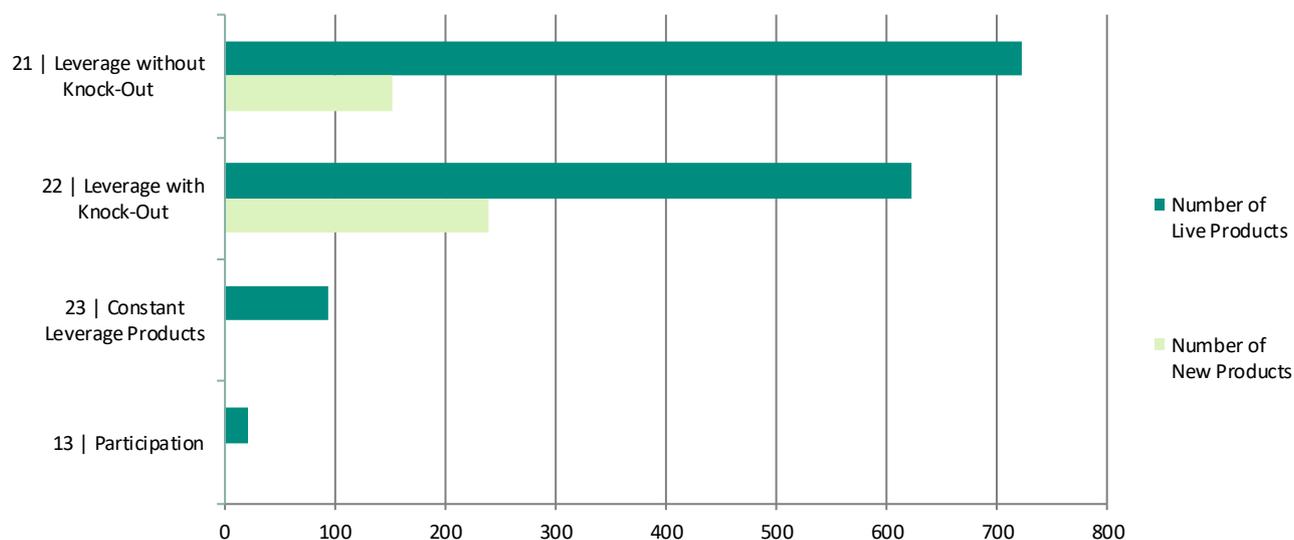
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Lisbon.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 2)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
21 Leverage without Knock-Out	724	-14.6%	-21%	49.5%	152	103%	27%	38.8%
22 Leverage with Knock-Out	623	8.2%	17.6%	42.6%	240	-15.5%	-9.9%	61.2%
23 Constant Leverage Products	94	-1.8%	-10.0%	6.5%	0		-100%	0.0%
13 Participation	21	-5.8%	-5.7%	1.4%	0			0.0%
Total	1,462	-5.1%	-7.2%	100%	392	9.2%	0.1%	100%

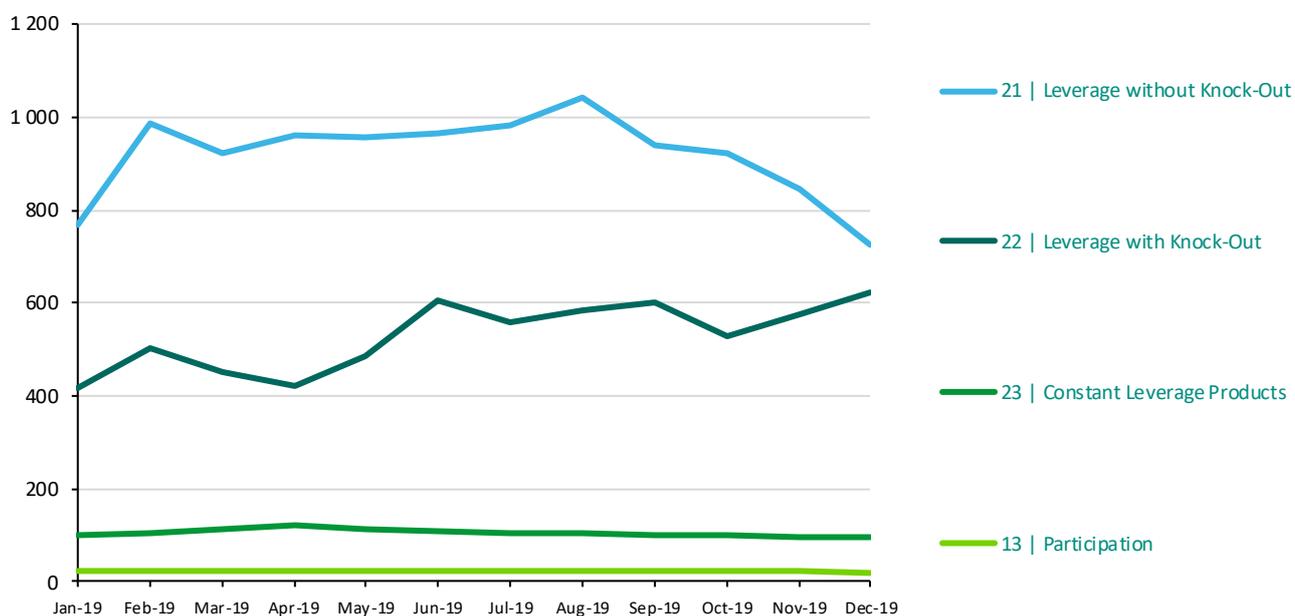
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PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

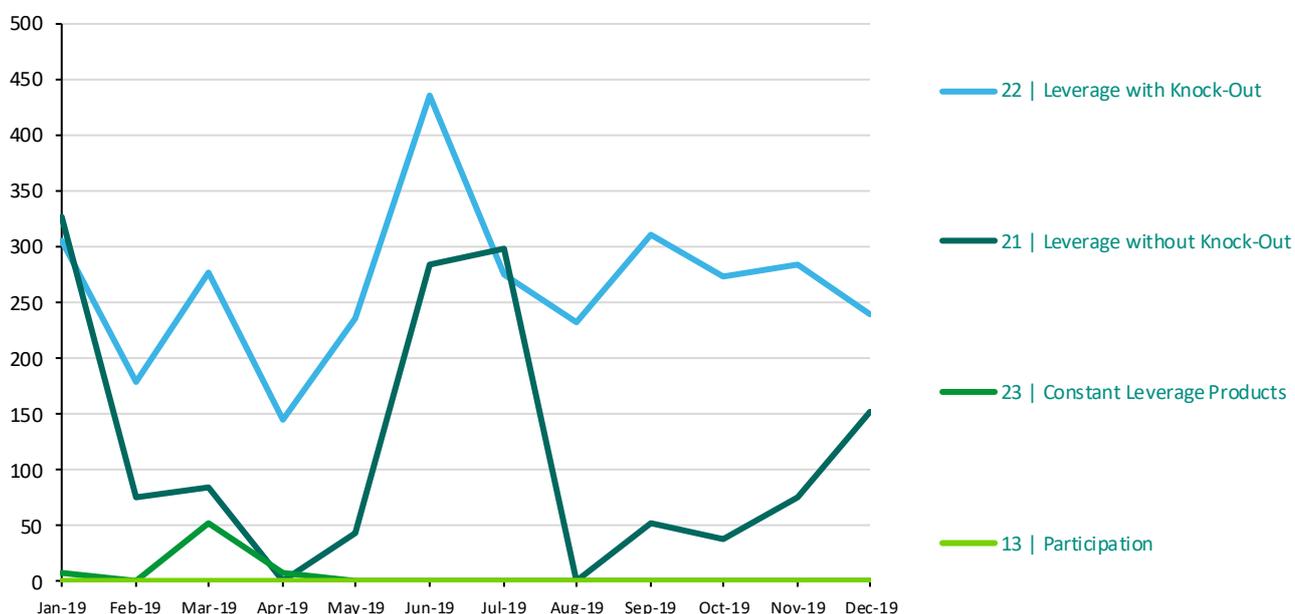
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Lisbon.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Lisbon.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

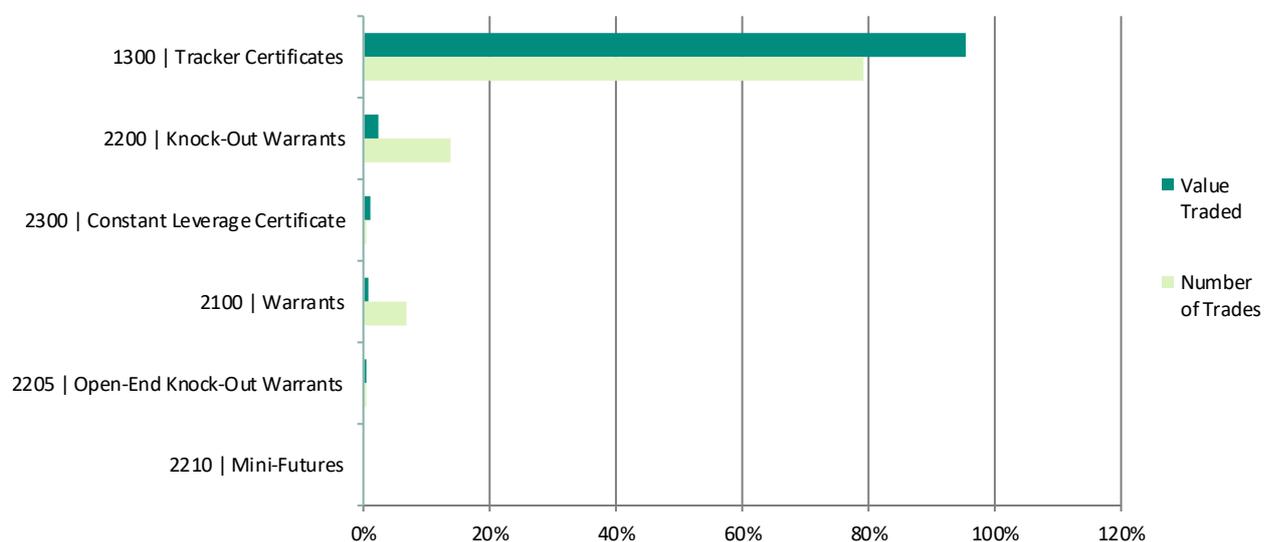
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Lisbon.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 3)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
1300 Tracker Certificates	5,278	-22%	5.5%	95.6%	317	-32.7%	-4.1%	79.2%
2200 Knock-Out Warrants	137	-30%	-34%	2.5%	55	-6.9%	-29%	13.7%
2300 Constant Leverage Certificate	63	NA	457%	1.1%	1.0	50%	-28%	0.2%
2100 Warrants	43	51%	-33%	0.8%	27	31%	-12.7%	6.7%
2205 Open-End Knock-Out Warrants	0	-98%	-98%	0.0%	0.6	-66%	-65%	0.1%
2210 Mini-Futures	0		-100%	0.0%	0.0		-100%	0.0%
Total	5,522	-20.9%	4.4%	100%	401	-27.6%	-9.3%	100%

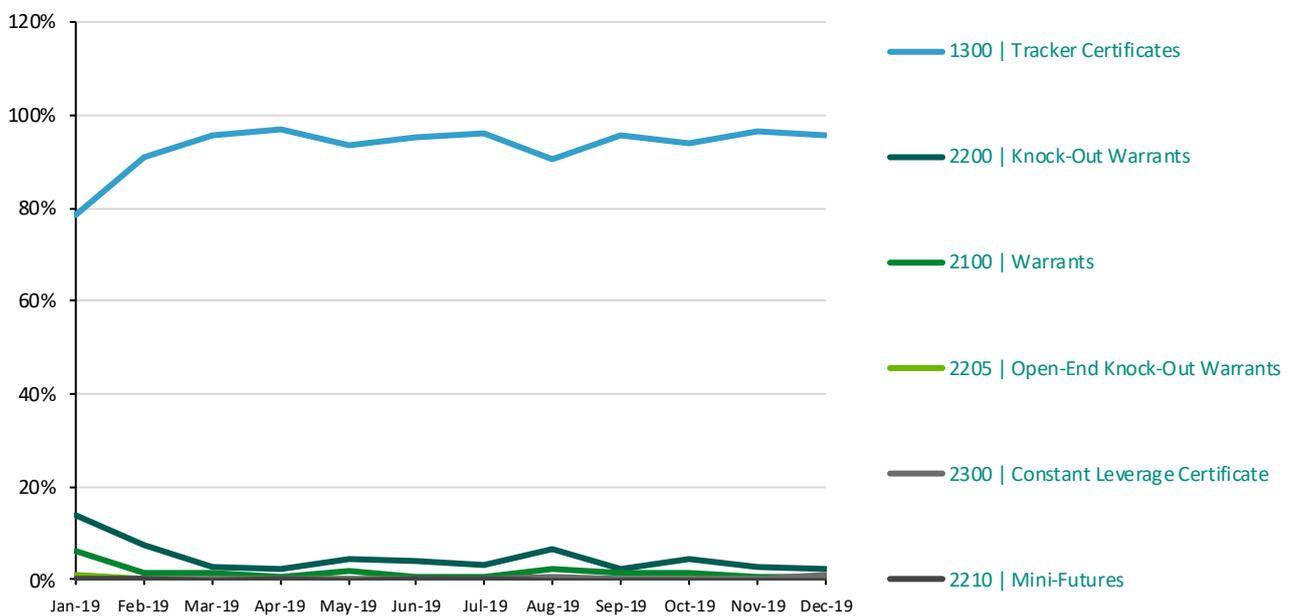
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PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

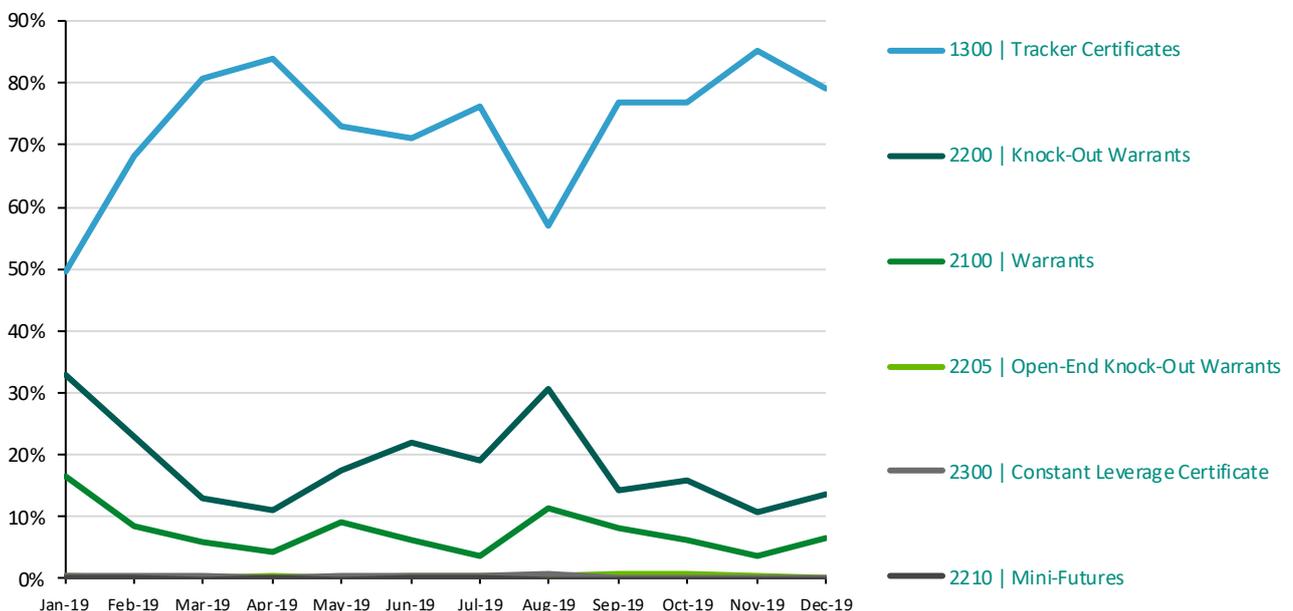
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Lisbon.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Lisbon.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

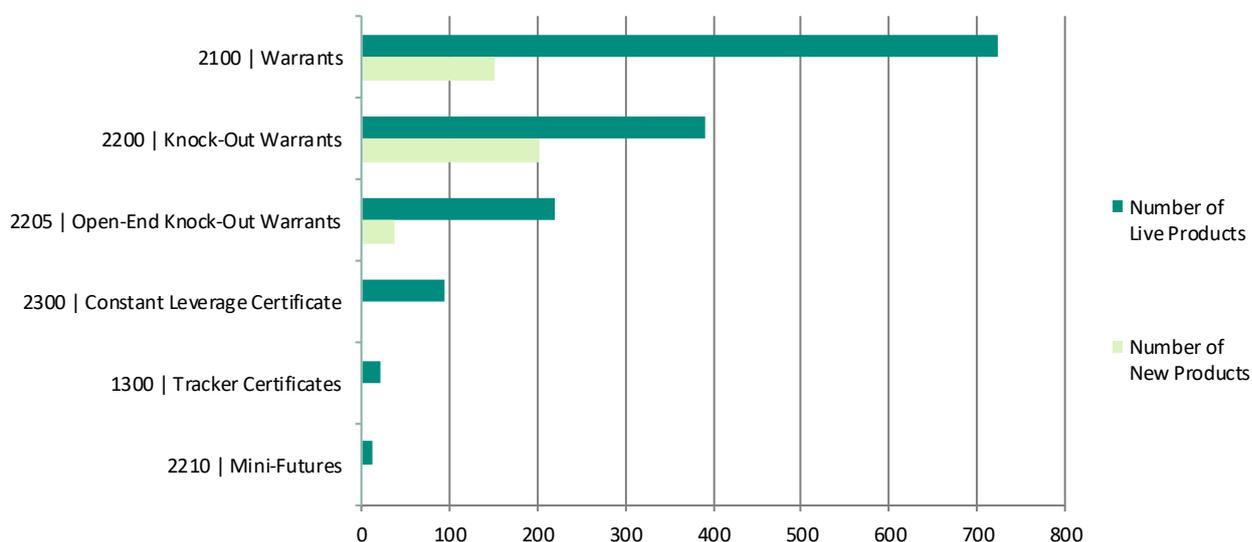
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Lisbon.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 3)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
2100 Warrants	724	-14.6%	-21%	49.5%	152	103%	27%	38.8%
2200 Knock-Out Warrants	390	11.3%	18.6%	26.7%	202	-10.6%	-9.0%	51.5%
2205 Open-End Knock-Out Warrants	220	3.8%	20%	15.1%	38	-34%	-14.4%	9.7%
2300 Constant Leverage Certificate	94	-1.8%	-10.0%	6.5%	0		-100%	0.0%
1300 Tracker Certificates	21	-5.8%	-5.7%	1.4%	0			0.0%
2210 Mini-Futures	13	-1.5%	-29%	0.9%	0			0.0%
Total	1,462	-5.1%	-7.2%	100%	392	9.2%	0.1%	100%

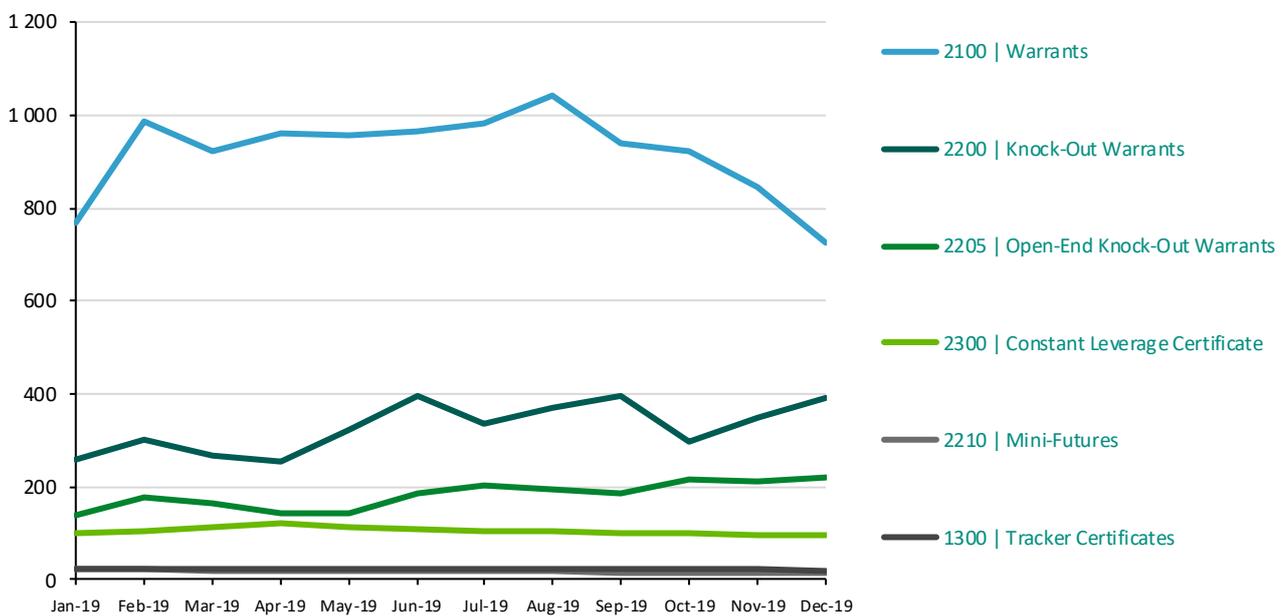
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PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

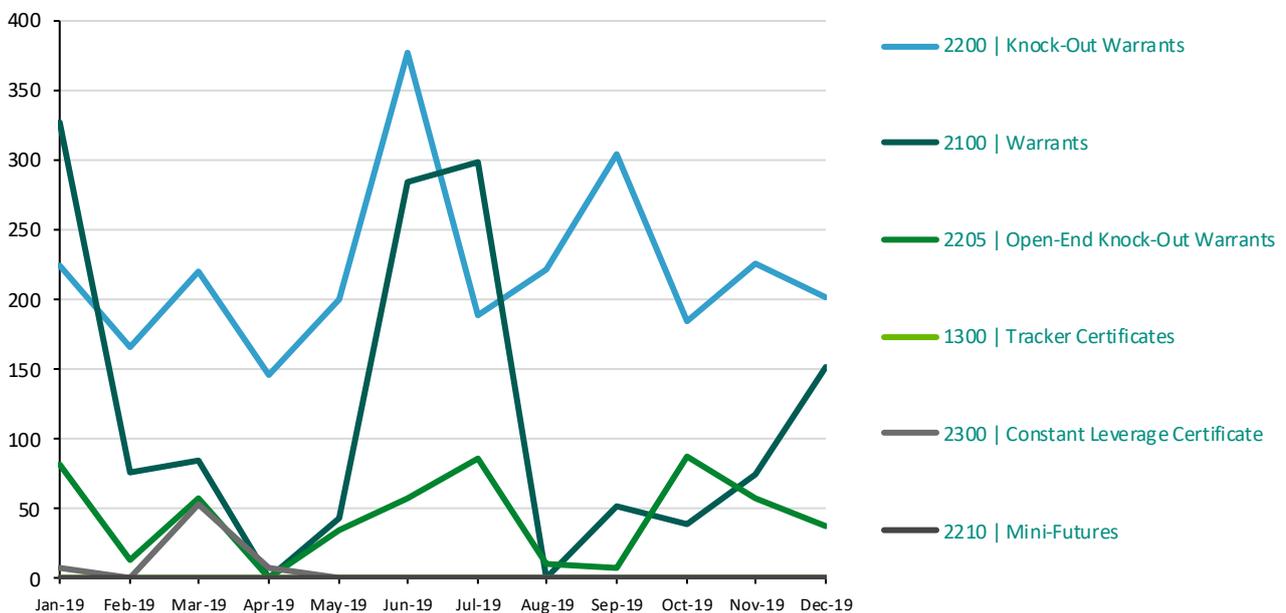
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Lisbon.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Lisbon.



PRODUCT STRATEGIES

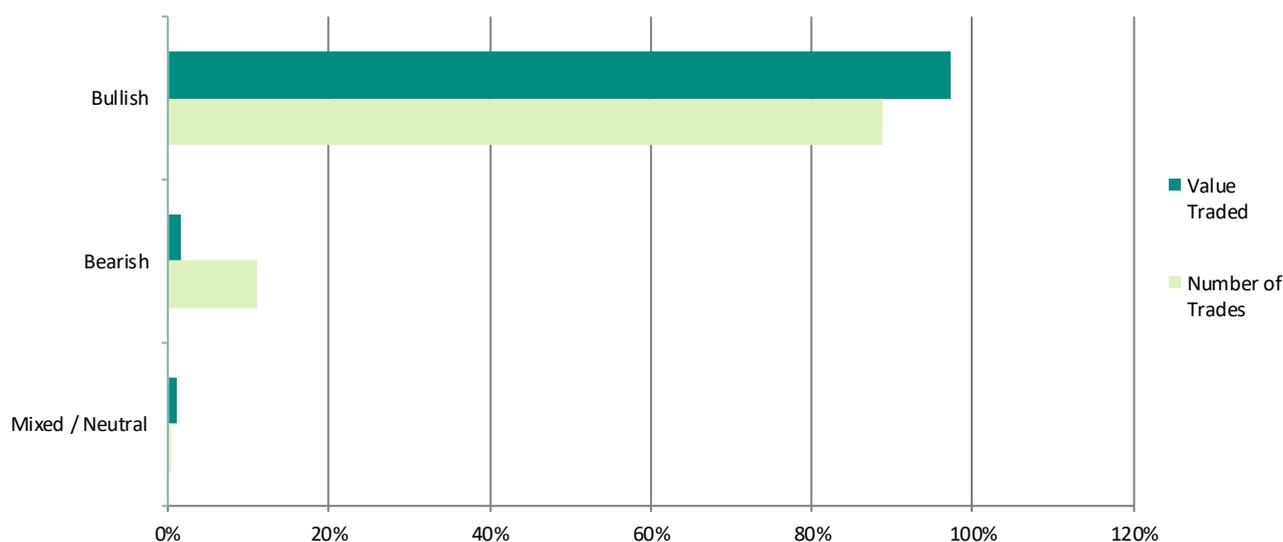
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of Euronext Lisbon.

The chart at the bottom of the page represents the weight of each product strategy in terms of value traded and number of trades.

Product Strategies	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Bullish	5,368	-22%	4.5%	97.2%	356	-29.2%	-7.3%	88.8%
Bearish	91	-22%	-34%	1.6%	44	-11.9%	-23%	11.0%
Mixed / Neutral	63	NA	457%	1.1%	1.0	50%	-28%	0.2%
Total	5,522	-20.9%	4.4%	100%	401	-27.6%	-9.3%	100%

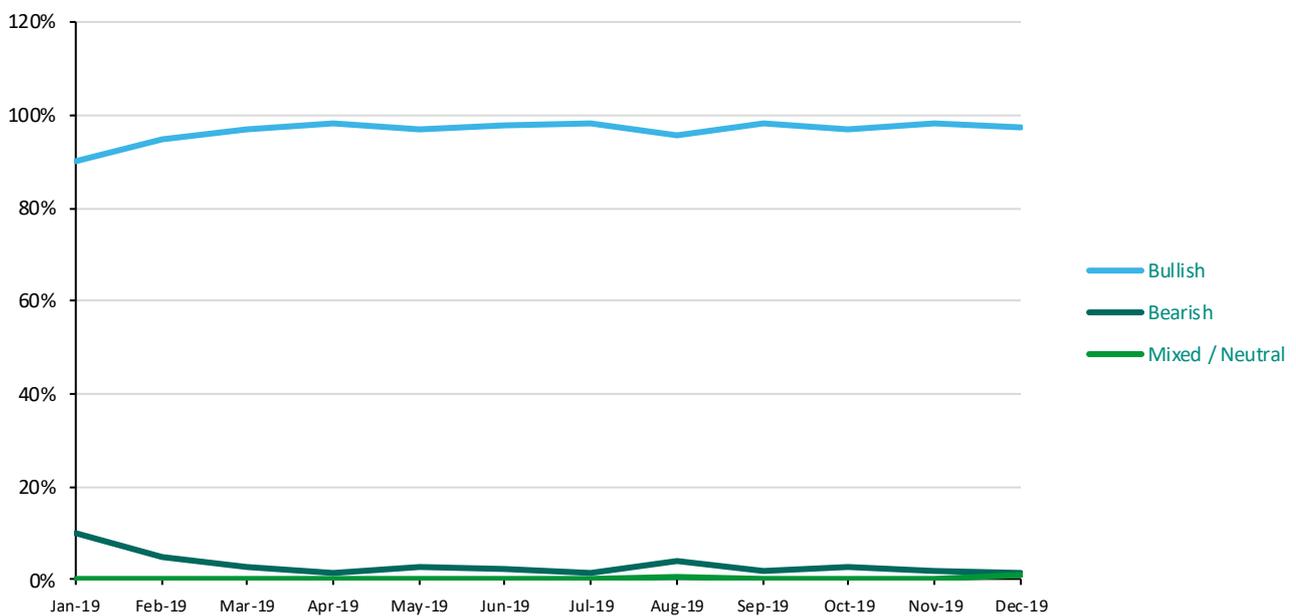
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PRODUCT STRATEGIES

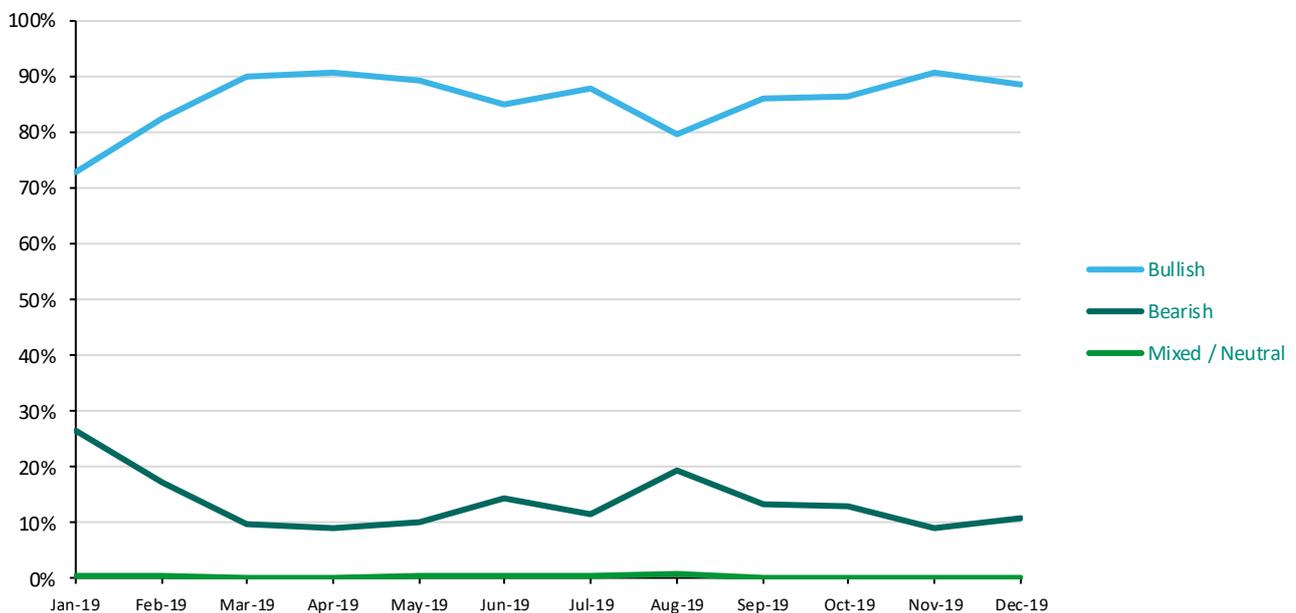
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Lisbon.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Lisbon.



PRODUCT STRATEGIES

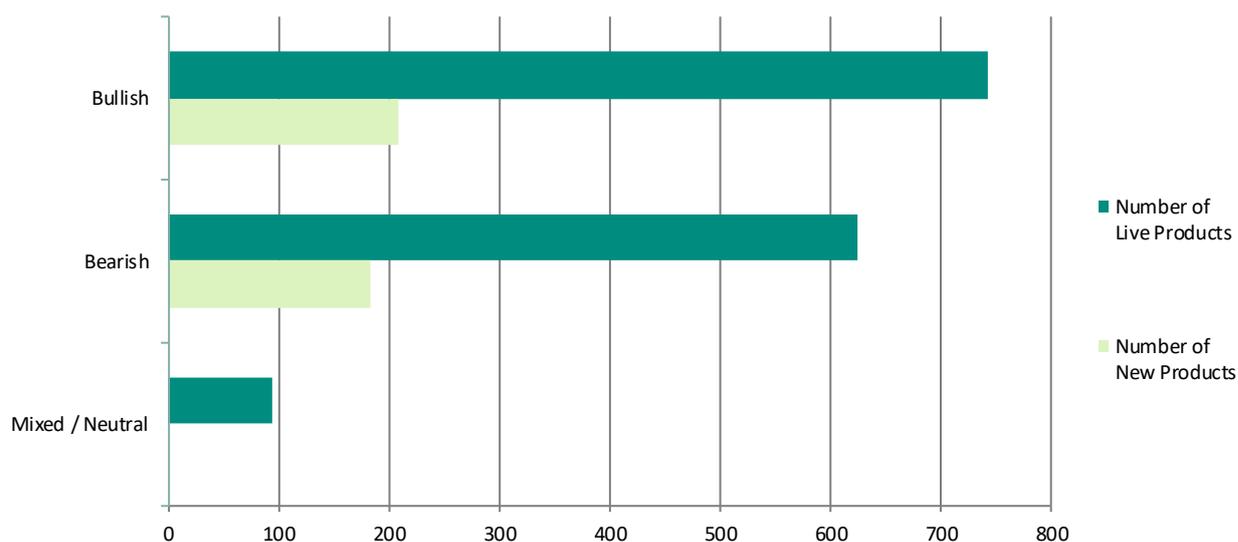
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of Euronext Lisbon.

The chart at the bottom of the page represents the number of live products and number of new products for each product strategy.

Strategies	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Bullish	743	-5.5%	-3.5%	50.9%	209	12.4%	3.0%	53.3%
Bearish	624	-5.2%	-10.8%	42.7%	183	5.8%	0.0%	46.7%
Mixed / Neutral	94	-1.8%	-10.0%	6.5%	0		-100%	0.0%
Total	1,462	-5.1%	-7.2%	100%	392	9.2%	0.1%	100%

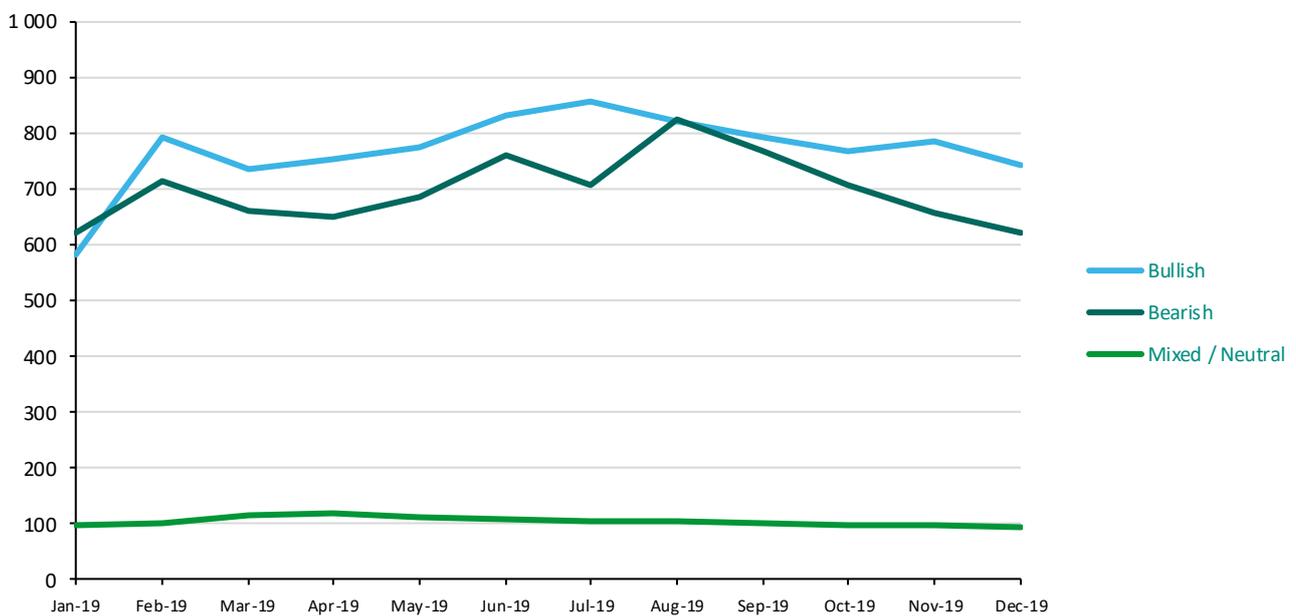
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PRODUCT STRATEGIES

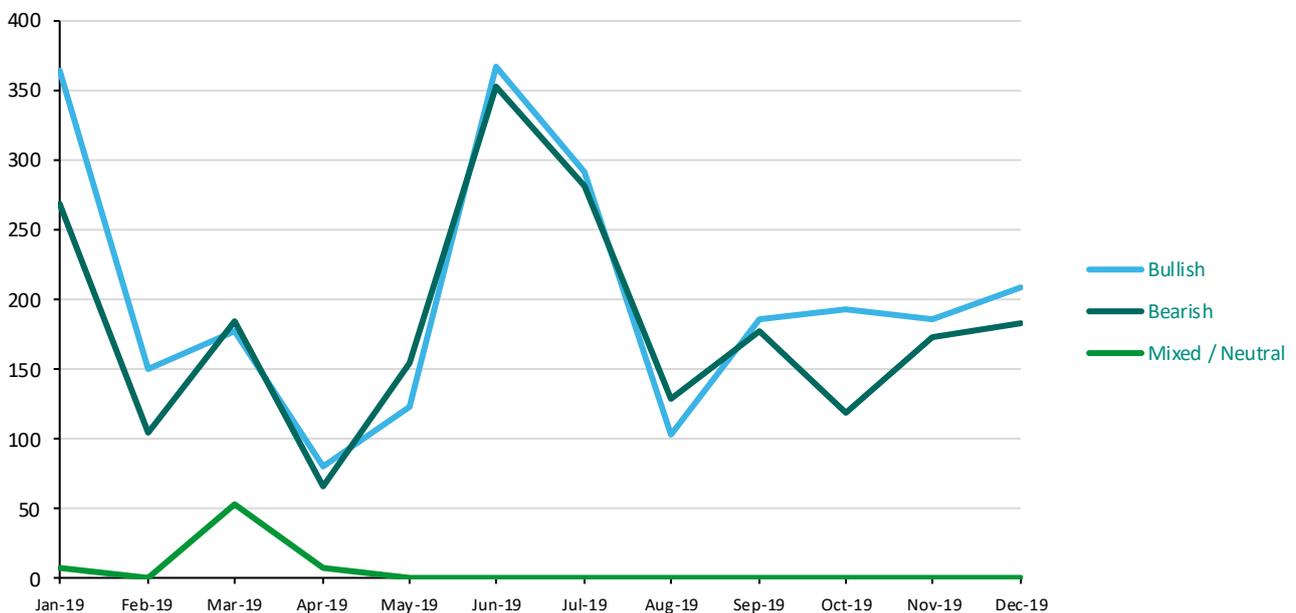
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Lisbon.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Lisbon.



UNDERLYING TYPES

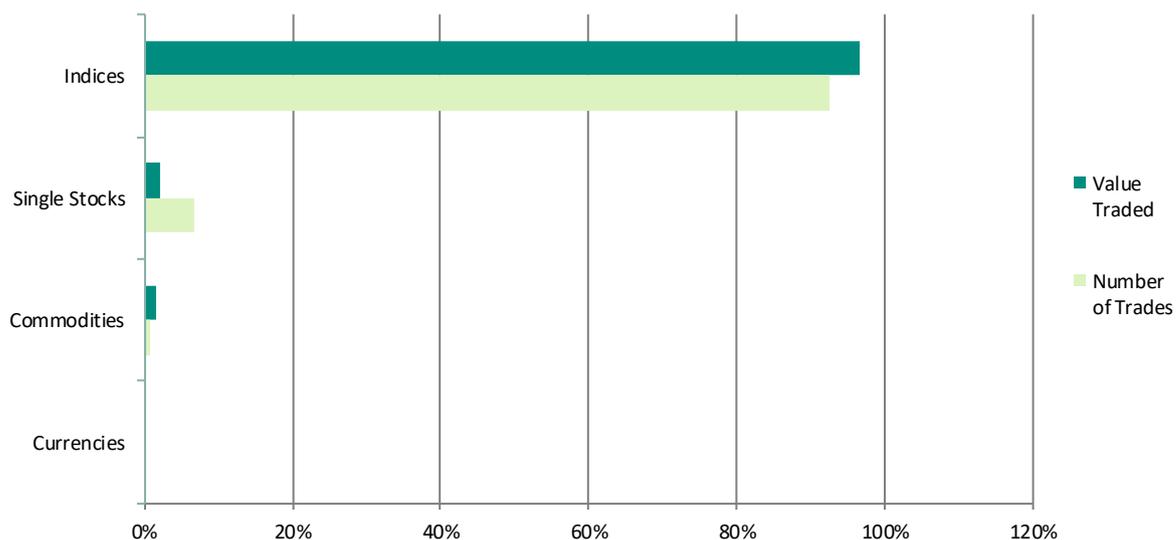
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of Euronext Lisbon.

The chart at the bottom of the page represents the weight of each underlying type in terms of value traded and number of trades.

Underlying Types	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Indices	5,334	-21%	4.1%	96.6%	371	-28.1%	-9.0%	92.5%
Single Stocks	108	-35%	1.2%	2.0%	27	-20.4%	-10.4%	6.7%
Commodities	79	85%	40%	1.4%	3.3	-12.3%	-19.6%	0.8%
Currencies	0	-97%	-99%	0.0%	0.1	-82.5%	-90.5%	0.0%
Total	5,522	-20.9%	4.4%	100%	401	-27.6%	-9.3%	100%

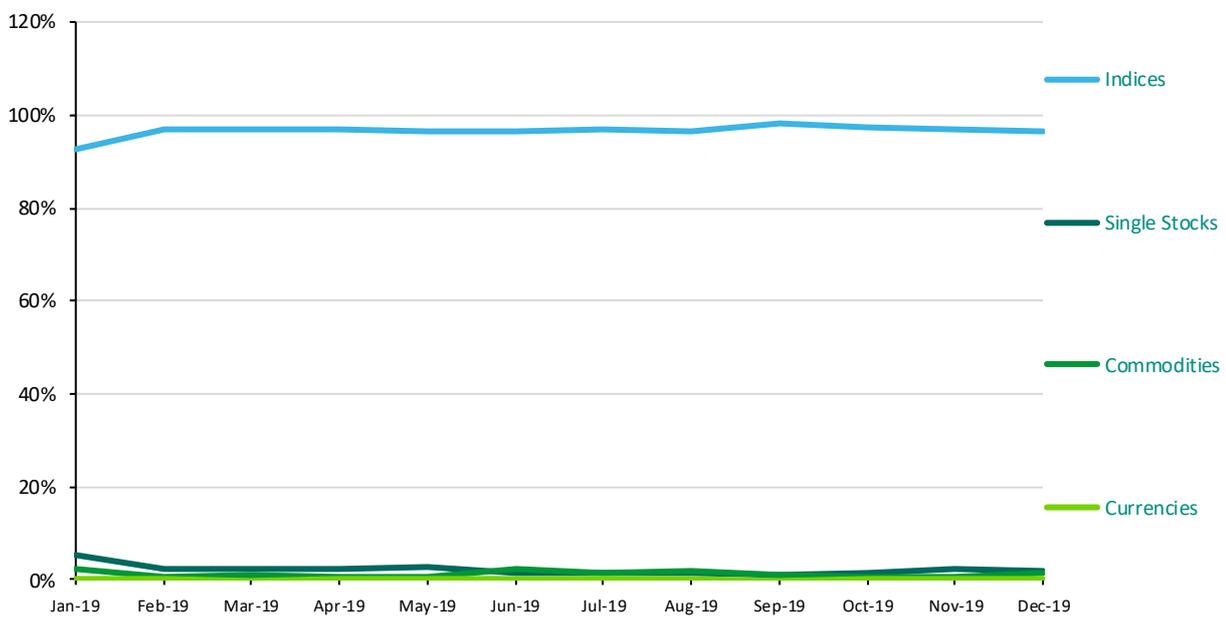
(Source Euronext)



UNDERLYING TYPES

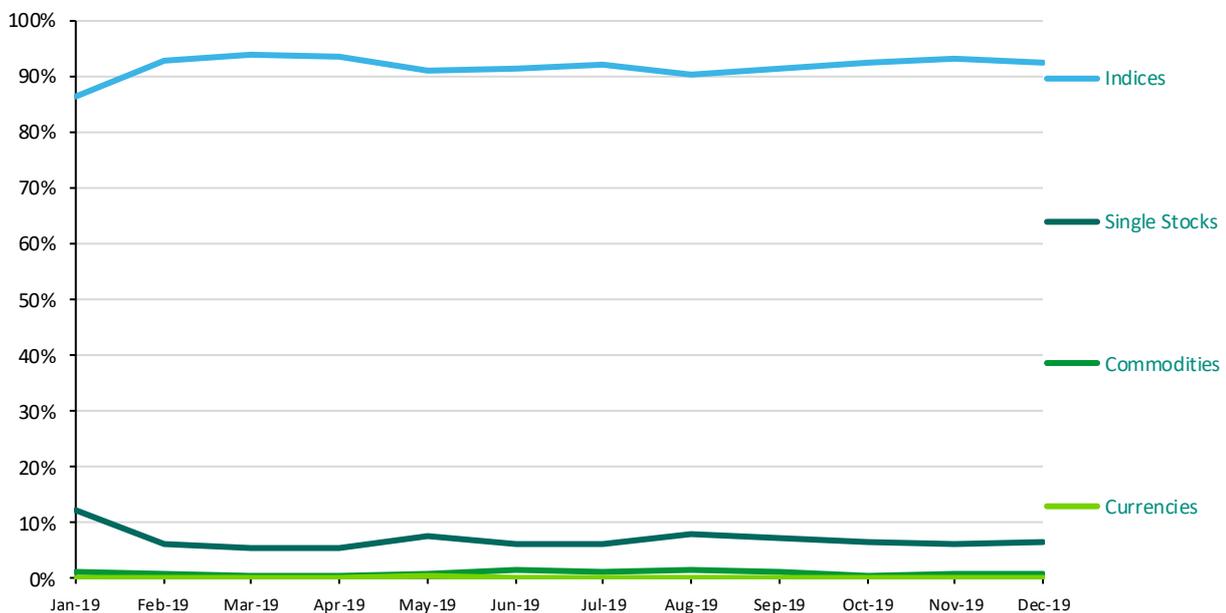
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying type over the total value traded on Euronext Lisbon.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each underlying type over the total number of trades on Euronext Lisbon.



UNDERLYING TYPES

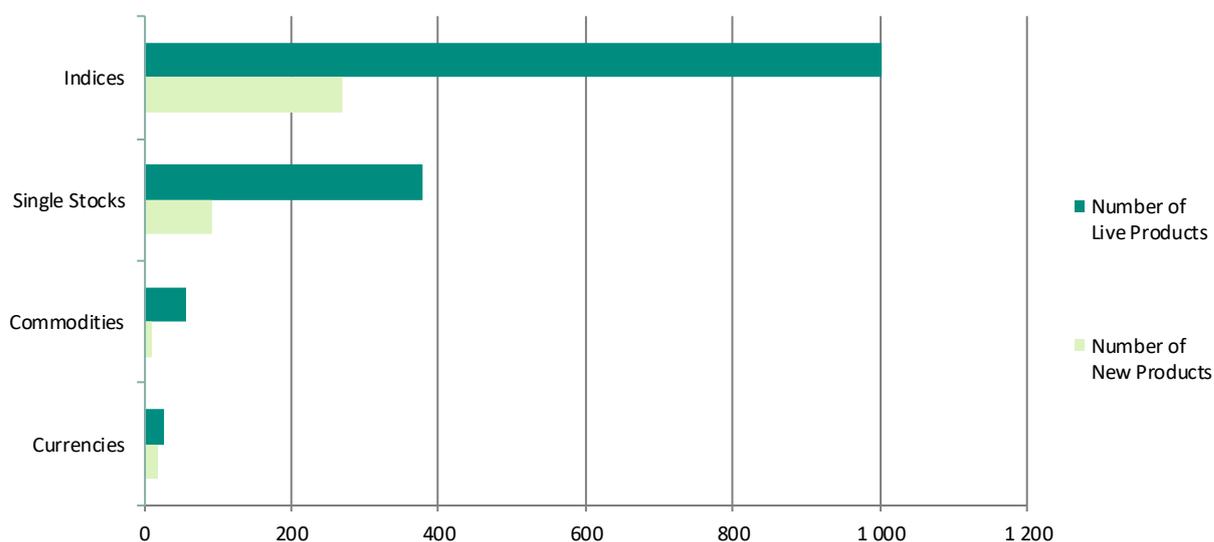
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of Euronext Lisbon.

The chart at the bottom of the page represents the number of live products and number of new products for each underlying type.

Underlying Types	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Indices	1,002	-5.4%	-5.1%	68.5%	270	-11.8%	-6.9%	68.9%
Single Stocks	378	-5.5%	-14.1%	25.8%	93	75%	11.4%	23.7%
Commodities	56	-1.7%	2.9%	3.8%	10		-13.0%	2.6%
Currencies	26	1.9%	5.0%	1.8%	19		189%	4.8%
Total	1,462	-5.1%	-7.2%	100%	392	9.2%	0.1%	100%

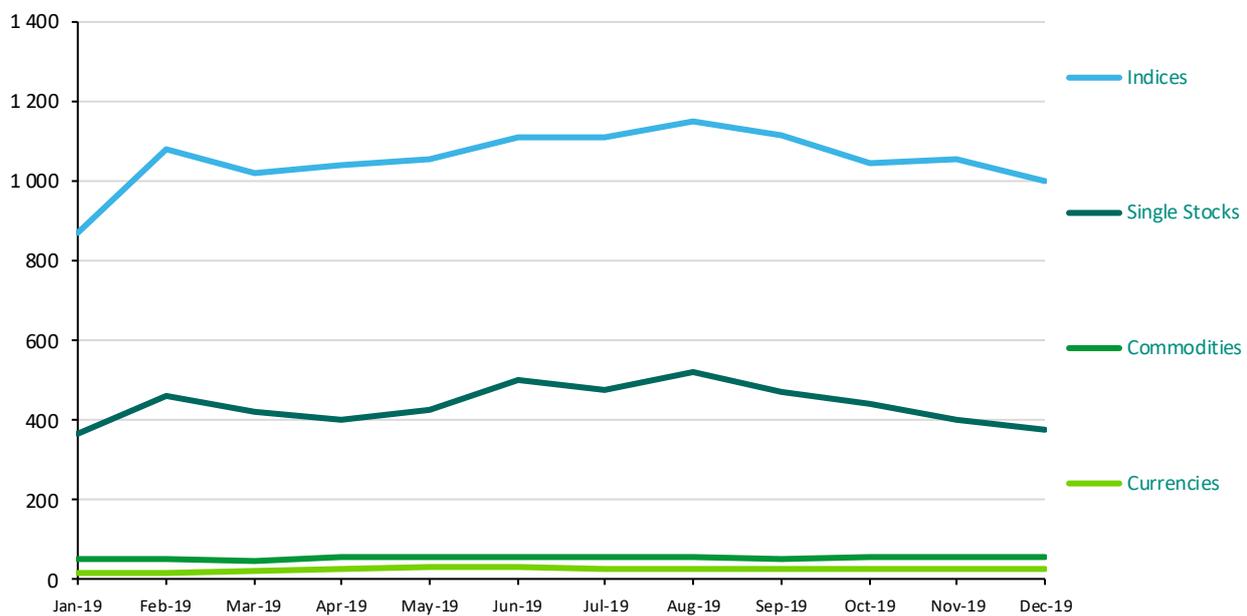
(Source Euronext)



UNDERLYING TYPES

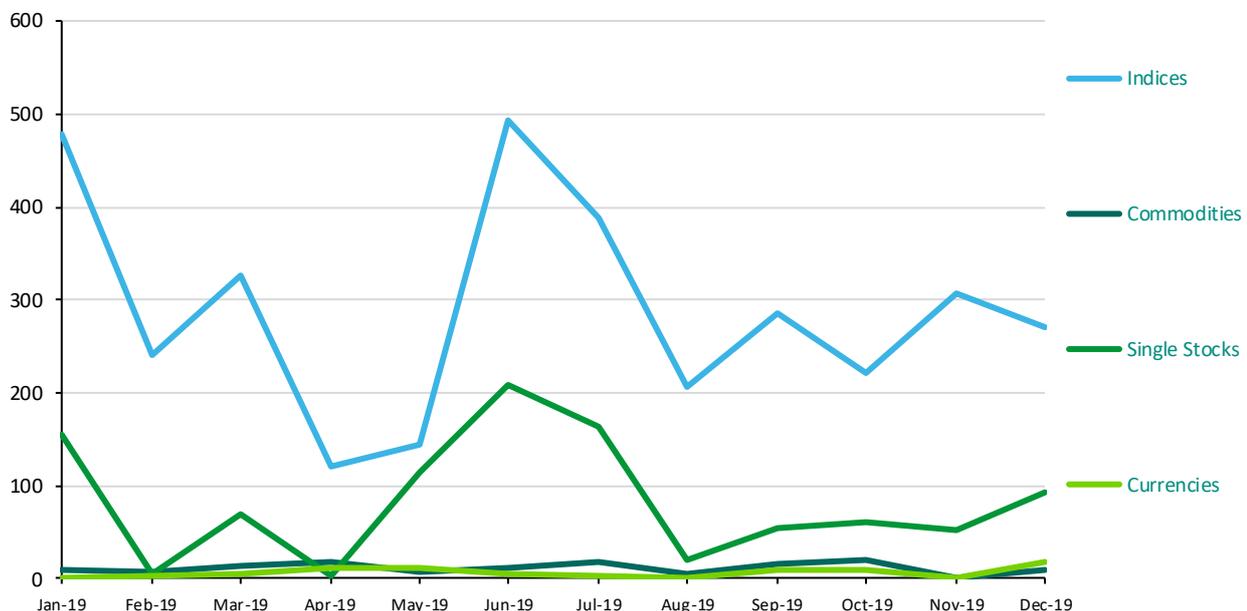
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying type on Euronext Lisbon.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying type on Euronext Lisbon.



TOP 10 UNDERLYING COUNTRIES

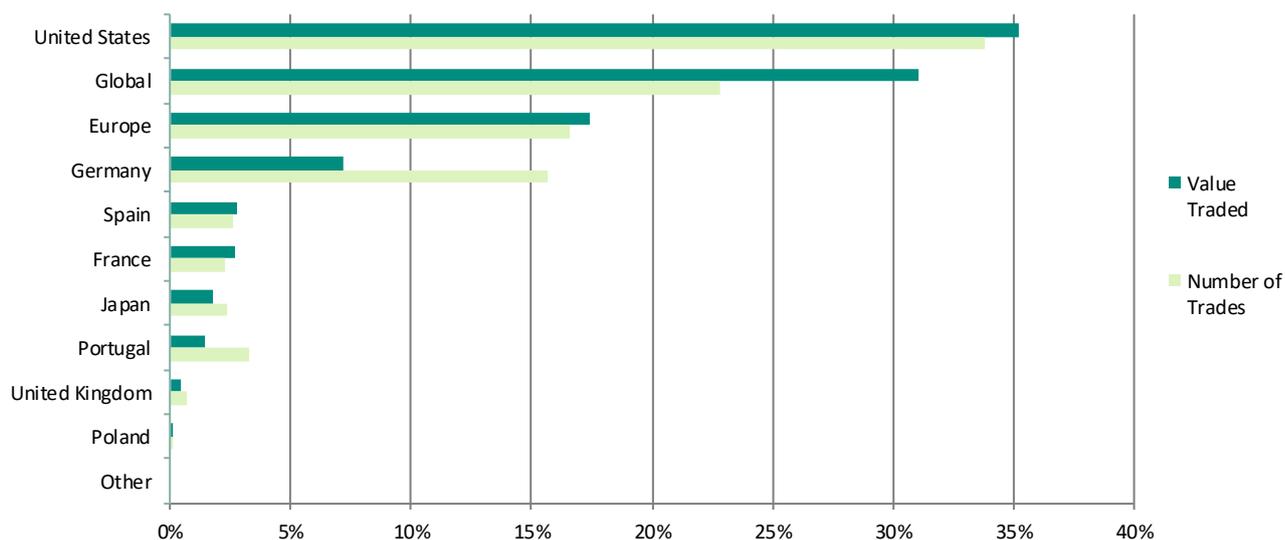
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of Euronext Lisbon.

The chart at the bottom of the page represents the weight of each underlying country of origin in terms of value traded and number of trades.

Underlying Countries	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
United States	1,945	-17.9%	8.2%	35.2%	135	-26.7%	-9.7%	33.8%
Global	1,716	-27%	-4.7%	31.1%	91	-34%	0.5%	22.8%
Europe	961	-30%	-2.4%	17.4%	67	-35%	-6.4%	16.6%
Germany	397	-6.1%	3.7%	7.2%	63	-9.5%	-26%	15.7%
Spain	154	103%	230%	2.8%	10	-5.0%	57%	2.6%
France	148	22%	49%	2.7%	8.9	-31%	-19.5%	2.2%
Japan	96	1.1%	10.8%	1.7%	9.3	-29%	-13.0%	2.3%
Portugal	78	-40%	3.2%	1.4%	13	-23%	-7.8%	3.2%
United Kingdom	25	-15.3%	96%	0.5%	2.7	-38%	29%	0.7%
Poland	1	-14.8%	95%	0.0%	0.3	75%	120%	0.1%
Other	0	-100%	-100%	0.0%	0.0	-100%	-100%	0.0%
Total	5,522	-20.9%	4.4%	100%	401	-27.6%	-9.3%	100%

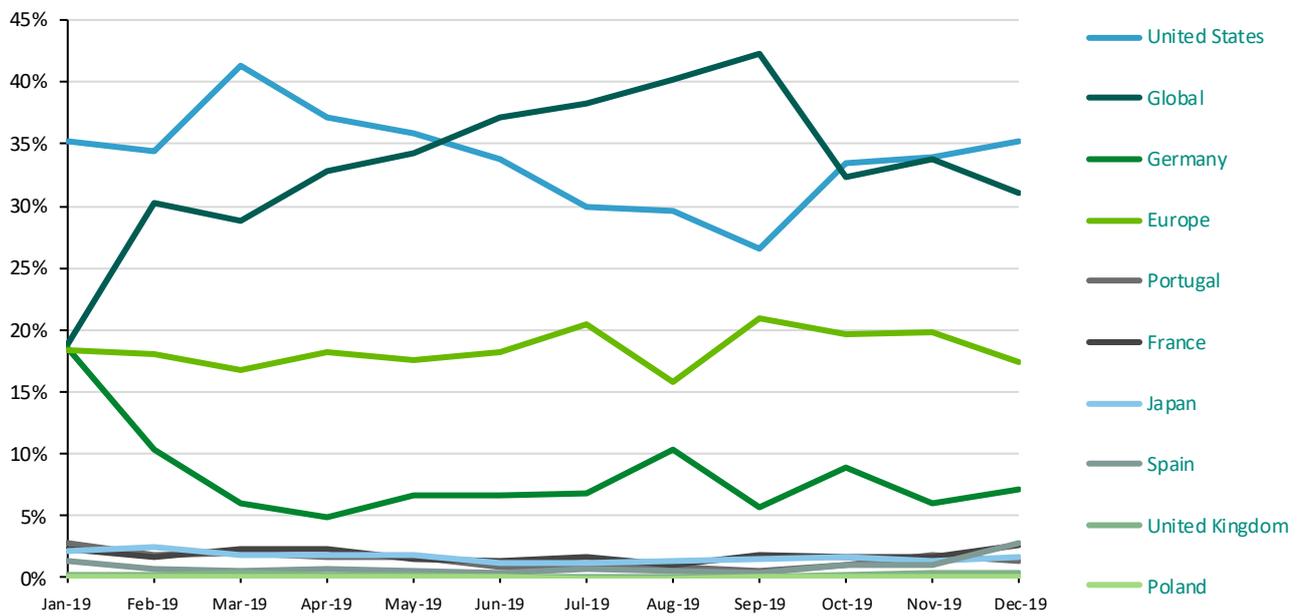
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

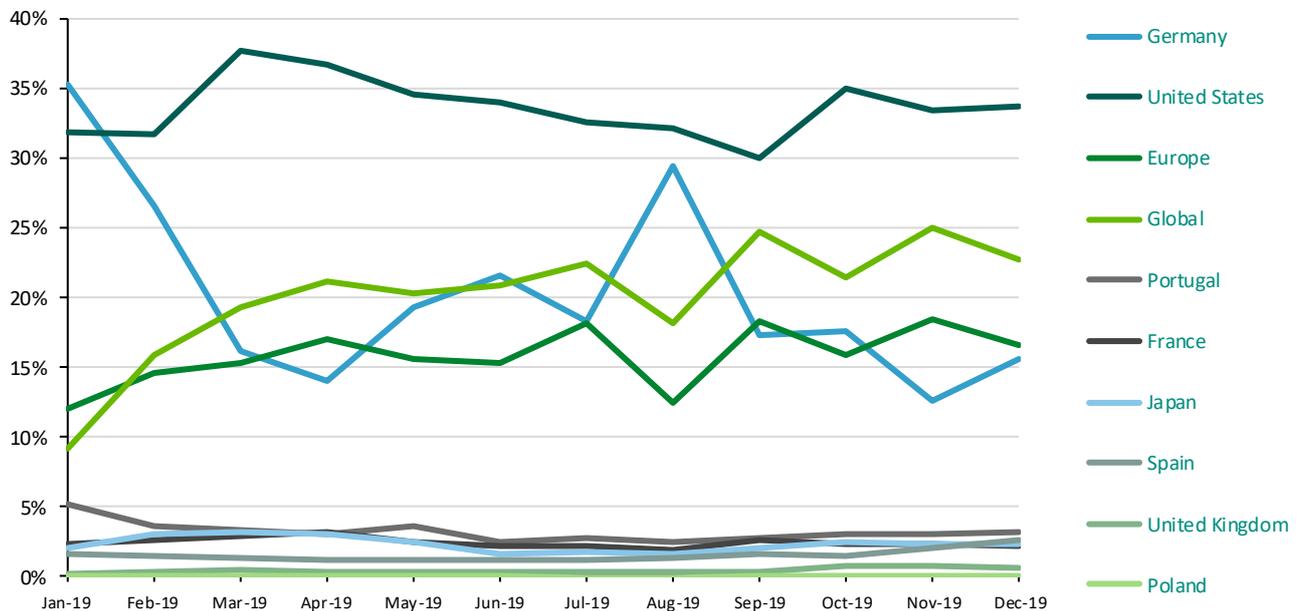
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying country of origin over the total value traded on Euronext Lisbon.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each underlying country of origin over the total number of trades on Euronext Lisbon.



TOP 10 UNDERLYING COUNTRIES

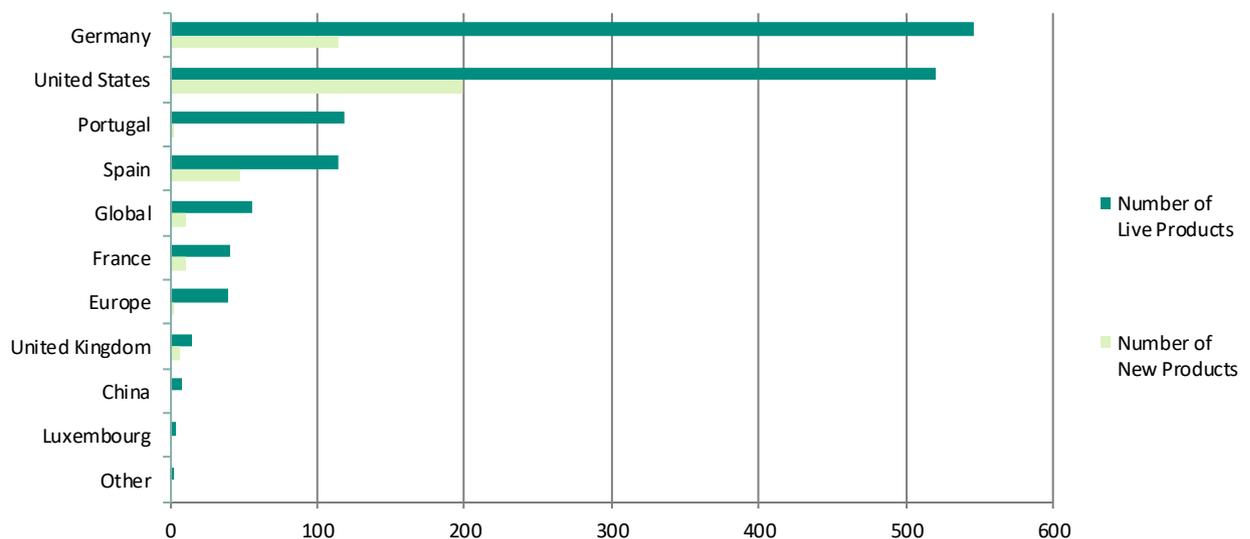
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of Euronext Lisbon.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying country.

Underlying Countries	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Germany	546	-9.8%	-8.3%	37.3%	114	-34%	-23%	29.1%
United States	520	-0.5%	-6.0%	35.6%	199	54%	17.8%	50.8%
Portugal	118	-10.1%	-17.0%	8.1%	2	-88%	-87%	0.5%
Spain	114	4.8%	-5.7%	7.8%	48	220%	78%	12.2%
Global	56	-3.4%	2.3%	3.8%	10		-11.8%	2.6%
France	41	2.0%	-0.4%	2.8%	11	-8.3%	9.1%	2.8%
Europe	39	-15.8%	-14.2%	2.7%	2	-33%	-66%	0.5%
United Kingdom	14	-5.2%	41%	1.0%	6		100%	1.5%
China	8	12.8%	181%	0.5%	0	-100%	-100%	0.0%
Luxembourg	4	-16.8%	162%	0.3%	0		-100%	0.0%
Other	2	-2.7%	-73%	0.1%	0			0.0%
Total	1,462	-5.1%	-7.2%	100%	392	9.2%	0.1%	100%

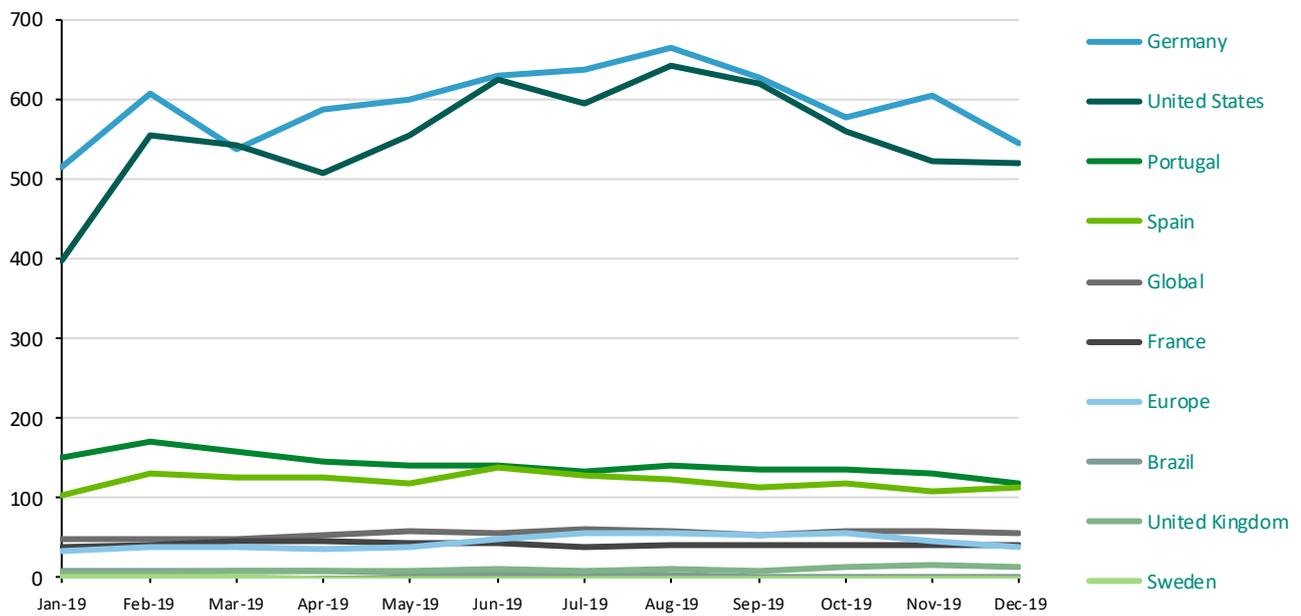
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

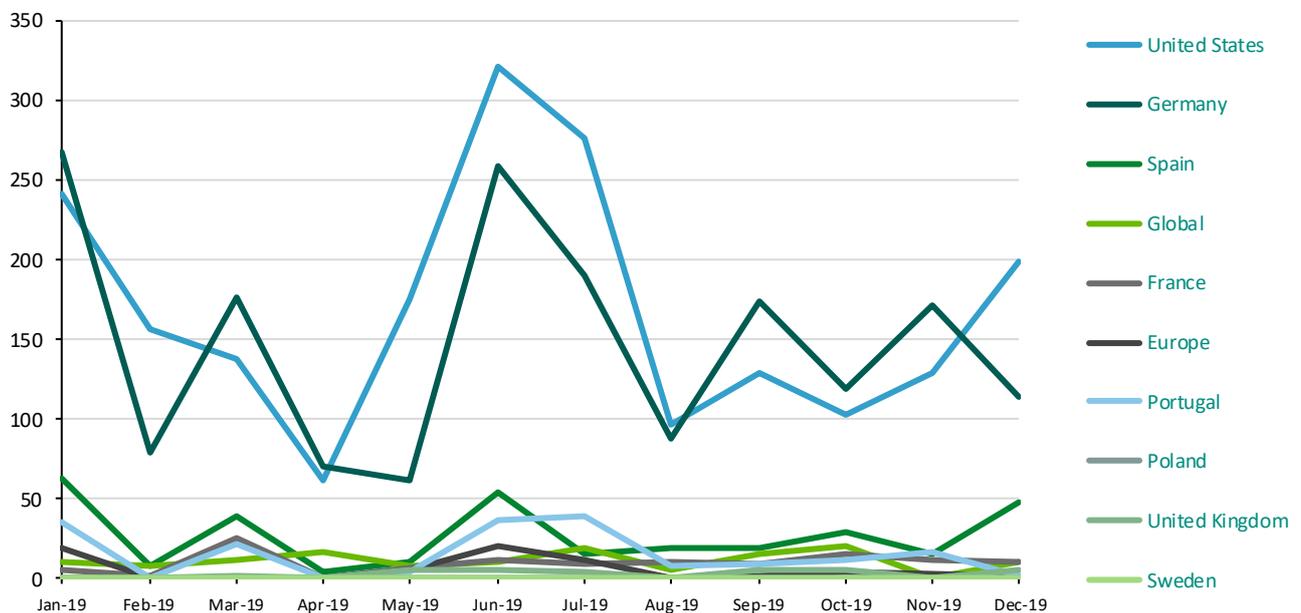
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying country of origin on Euronext Lisbon.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying country of origin on Euronext Lisbon.



TOP 10 UNDERLYINGS

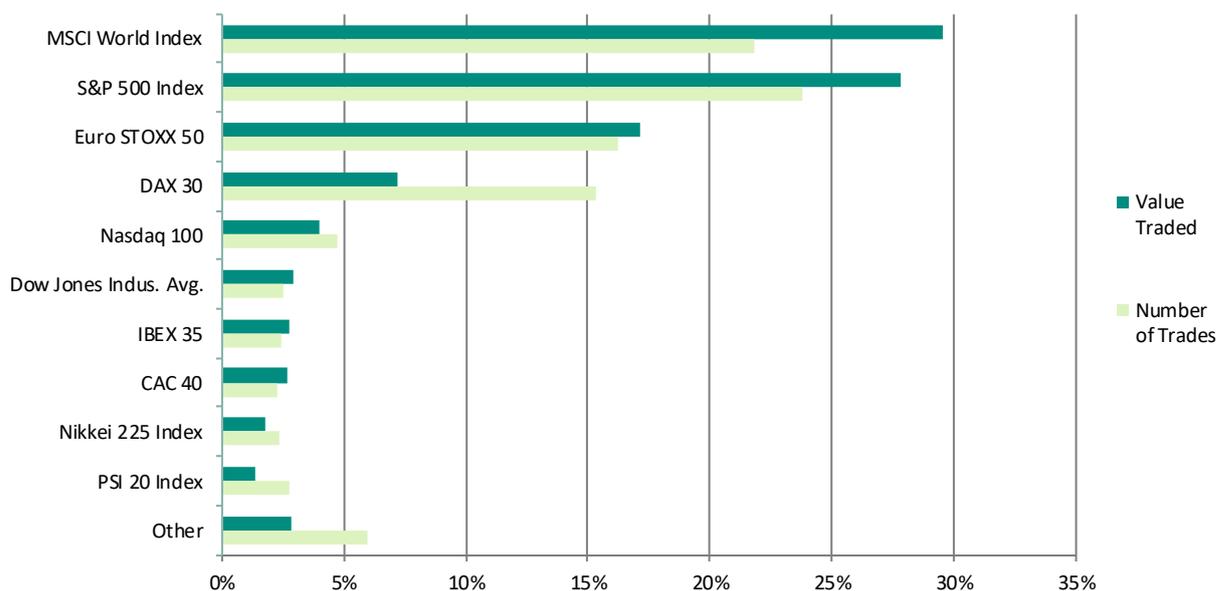
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of Euronext Lisbon.

The chart at the bottom of the page represents the weight of each of the top 10 underlyings in terms of value traded and number of trades.

Underlyings	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
MSCI World Index	1,634	-26%	-3.8%	29.6%	87	-25.5%	9.0%	21.8%
S&P 500 Index	1,537	-18.8%	6.2%	27.8%	95	-29%	-3.7%	23.8%
Euro STOXX 50	948	-31%	-2.6%	17.2%	65	-35%	-6.7%	16.2%
DAX 30	396	-5.7%	4.9%	7.2%	61	-7.4%	-25%	15.3%
Nasdaq 100	220	-14.4%	26%	4.0%	19	-22%	-22%	4.8%
Dow Jones Indus. Avg.	159	-13.9%	5.8%	2.9%	10	-38%	-36%	2.5%
IBEX 35	154	104%	231%	2.8%	9.9	1.4%	67%	2.5%
CAC 40	148	23%	49%	2.7%	8.9	-31%	-17.2%	2.2%
Nikkei 225 Index	96	1.1%	10.8%	1.7%	9.3	-29%	-13.0%	2.3%
PSI 20 Index	74	-42%	15.6%	1.3%	11	-26%	8.9%	2.7%
Other	156	-34%	-9.3%	2.8%	24	-46%	-31%	5.9%
Total	5,522	-20.9%	4.4%	100%	401	-27.6%	-9.3%	100%

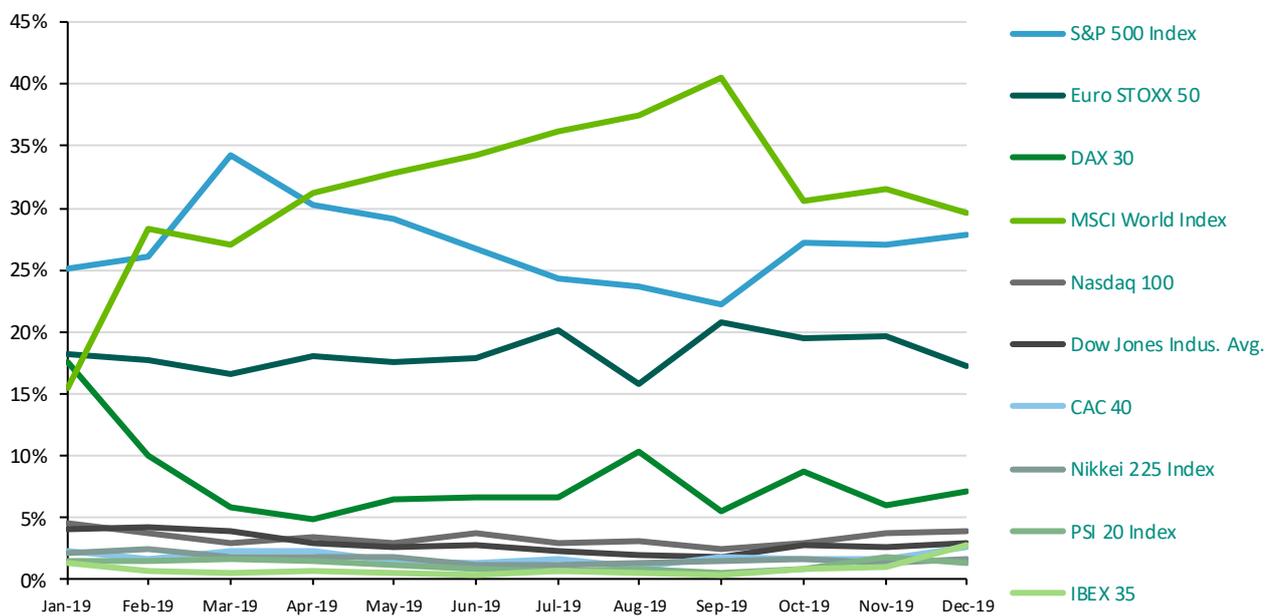
(Source Euronext)



TOP 10 UNDERLYINGS

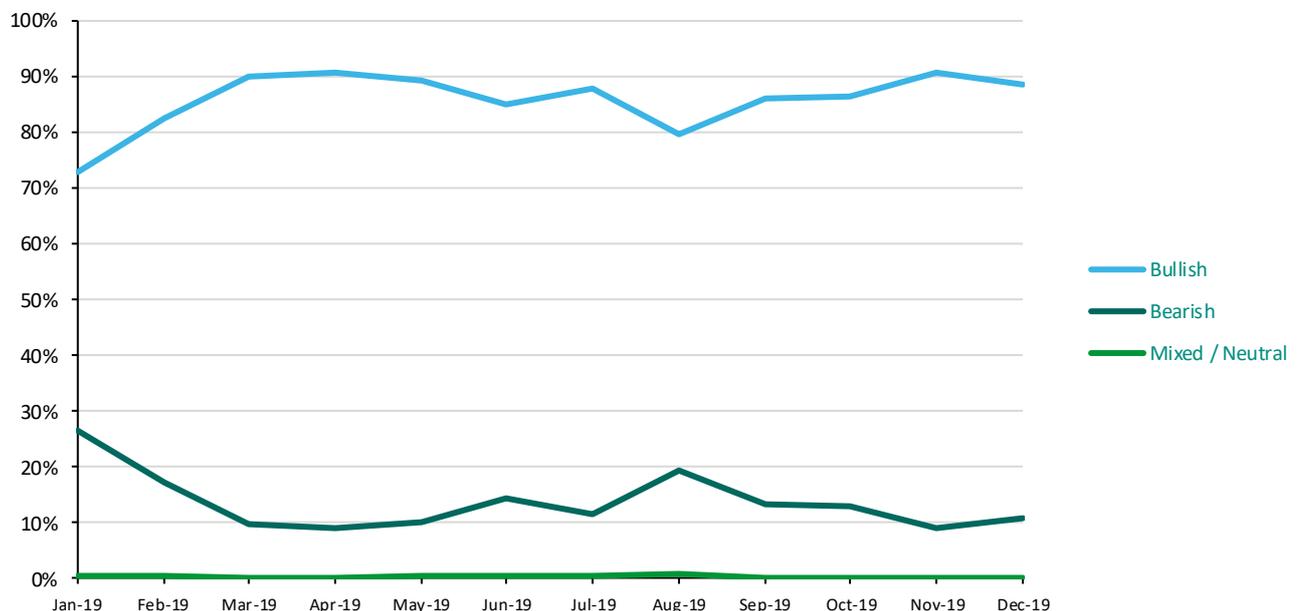
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each top 10 underlying over the total value traded on Euronext Lisbon.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each top 10 underlying over the total number of trades on Euronext Lisbon.



TOP 10 UNDERLYINGS

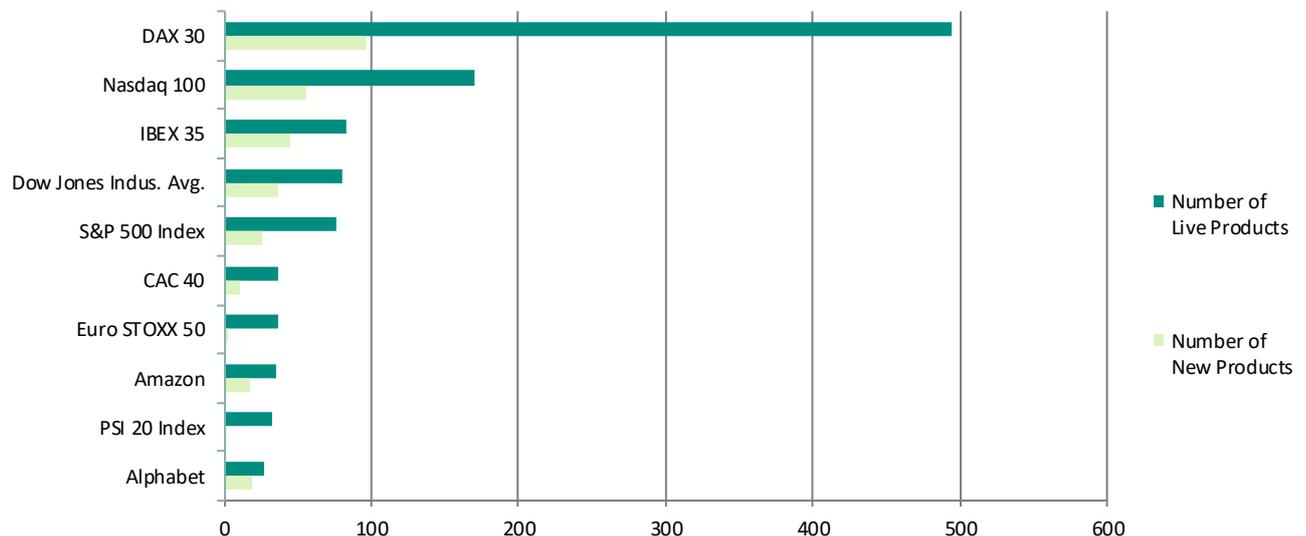
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of Euronext Lisbon.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying.

Underlyings	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
DAX 30	495	-9.0%	-6.8%	33.9%	96	-44%	-31%	24.5%
Nasdaq 100	170	-4.7%	-5.1%	11.6%	55	-28%	-18.8%	14.0%
IBEX 35	83	8.1%	-1.4%	5.7%	44	300%	98%	11.2%
Dow Jones Indus. Avg.	81	10.3%	1.9%	5.5%	37	85%	53%	9.4%
S&P 500 Index	76	-8.4%	-11.2%	5.2%	25	108%	27%	6.4%
CAC 40	36	6.3%	28%	2.5%	11	-8.3%	16.8%	2.8%
Euro STOXX 50	36	-16.6%	-14.9%	2.5%	2	-33%	-66%	0.5%
Amazon	35	5.6%	-7.5%	2.4%	18	NA	42%	4.6%
PSI 20 Index	32	-12.5%	-9.6%	2.2%	0	-100%	-100%	0.0%
Alphabet	27	22%	17.8%	1.8%	19	850%	145%	4.8%
Other	391	-6.2%	-12.8%	26.8%	85			21.7%
Total	1,462	-5.1%	-7.2%	100%	392	9.2%	0.1%	100%

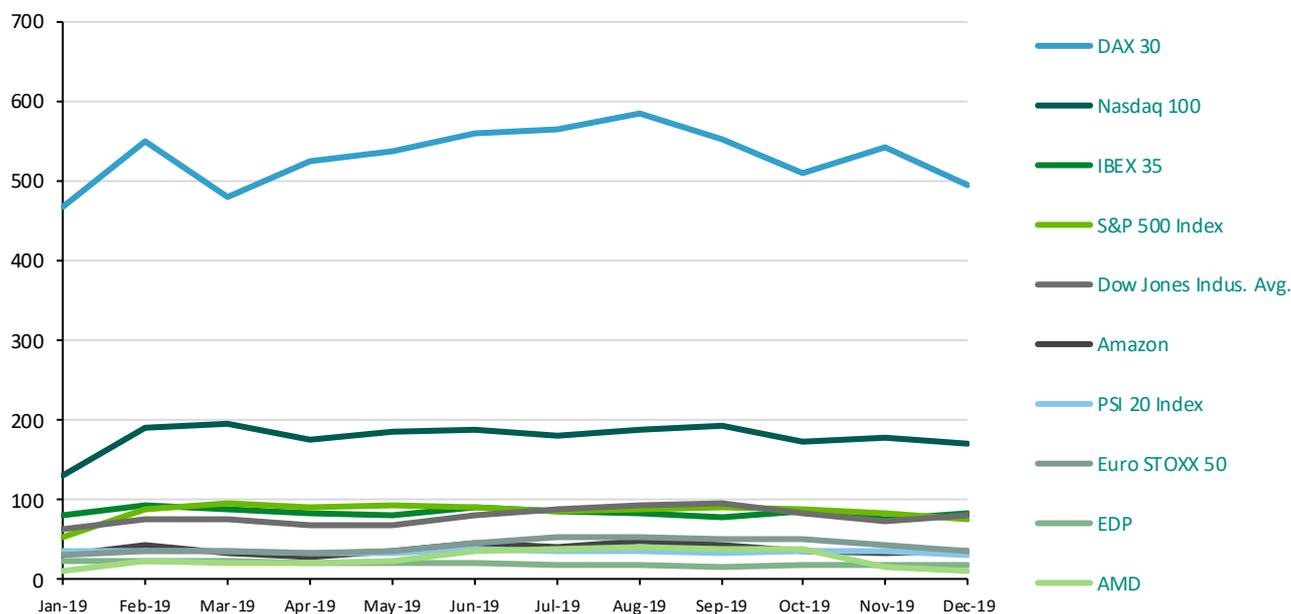
(Source Euronext)



TOP 10 UNDERLYINGS

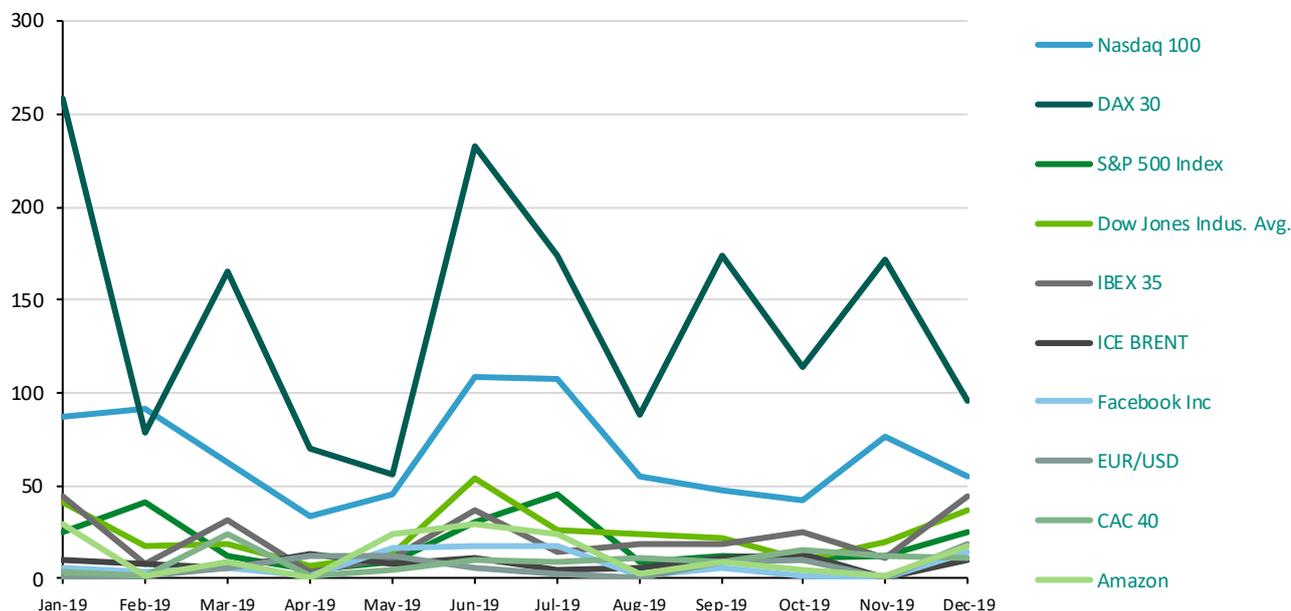
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each top 10 underlying on Euronext Lisbon.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each top 10 underlying on Euronext Lisbon.



TOP 50 TRADED PRODUCTS

Top 50 traded products

The table below displays the 50 most traded products (in terms of value traded) on Euronext Lisbon.

ISIN Code	Issuer	Product Type	Underlying	Value Traded (in €k)	Nb of Trades	
PTBITTYE0094	BCP	1300	Tracker Certificates	MSCI World Index	32,688	1,747
PTBITHYM0080	BCP	1300	Tracker Certificates	S&P 500 Index	22,564	1,202
PTBIVRYE0068	BCP	1300	Tracker Certificates	Euro STOXX 50	18,957	1,294
PTBITAYE0046	BCP	1300	Tracker Certificates	S&P 500 Index	8,096	633
PTBITEYE0034	BCP	1300	Tracker Certificates	DAX 30	5,637	263
PTBIWBVE0057	BCP	1300	Tracker Certificates	Nasdaq 100	3,782	147
PTBIYZYE0040	BCP	1300	Tracker Certificates	Dow Jones Indus. Avg.	3,143	190
PTBIXRYE0025	BCP	1300	Tracker Certificates	IBEX 35	2,965	162
PTBIWKYE0023	BCP	1300	Tracker Certificates	CAC 40	2,888	173
PTBCS1YE0010	BCP	1300	Tracker Certificates	Nikkei 225 Index	1,919	185
PTBIY1YE0064	BCP	1300	Tracker Certificates	PSI 20 Index	1,471	213
DE000CJ36WS2	Commerzbank	2300	Constant Leverage Certificate	ICE BRENT	960	13
PTBIXQYE0026	BCP	1300	Tracker Certificates	FTSE 100	494	41
PTBIWWYE0052	BCP	1300	Tracker Certificates	Gold	345	20
DE000CJ36CK1	Commerzbank	2300	Constant Leverage Certificate	DAX 30	283	2
PTBITCYM0077	BCP	1300	Tracker Certificates	ICE BRENT	269	22
PTBCLOYE0028	BCP	1300	Tracker Certificates	Euro STOXX Bank	196	23
DE000KA39CJ9	Citi	2200	Knock-Out Warrants	DAX 30	158	35
DE000KA39DB4	Citi	2200	Knock-Out Warrants	Nasdaq 100	154	25
DE000KA39EJ5	Citi	2200	Knock-Out Warrants	Amazon	110	26
DE000KA39EY4	Citi	2200	Knock-Out Warrants	Facebook Inc	88	17
DE000CU1QLL9	Commerzbank	2100	Warrants	Tesla Motors Inc	81	26
DE000KA39A84	Citi	2200	Knock-Out Warrants	DAX 30	78	19
DE000KA39CS0	Citi	2200	Knock-Out Warrants	DAX 30	73	26
DE000CU1RJ73	Commerzbank	2200	Knock-Out Warrants	DAX 30	73	48
DE000CU1P9P9	Commerzbank	2100	Warrants	IBEX 35	73	5
DE000KA39ET4	Citi	2200	Knock-Out Warrants	DAX 30	72	21
DE000CU1QKF3	Commerzbank	2100	Warrants	Galp Energia	70	16
DE000KA39GK8	Citi	2200	Knock-Out Warrants	DAX 30	69	16
DE000CU1RC88	Commerzbank	2200	Knock-Out Warrants	CAC 40	66	5
DE000KA39A68	Citi	2200	Knock-Out Warrants	Amazon	65	19
DE000CU1RFL9	Commerzbank	2200	Knock-Out Warrants	DAX 30	64	51
PTBCSYE0010	BCP	1300	Tracker Certificates	FTSE EPRA/NAREIT Euro Zone I	61	6
DE000CU1QG36	Commerzbank	2100	Warrants	DAX 30	61	6
DE000KA39CT8	Citi	2200	Knock-Out Warrants	DAX 30	60	22
DE000KA39CK7	Citi	2200	Knock-Out Warrants	DAX 30	56	16
DE000KA39A43	Citi	2200	Knock-Out Warrants	Nasdaq 100	55	9
DE000CU1P645	Commerzbank	2100	Warrants	DAX 30	52	14
DE000KA38717	Citi	2200	Knock-Out Warrants	Amazon	50	10
DE000CU1RD53	Commerzbank	2200	Knock-Out Warrants	Nasdaq 100	50	3
DE000KA39B34	Citi	2200	Knock-Out Warrants	Nasdaq 100	49	9
DE000CU1RFD6	Commerzbank	2200	Knock-Out Warrants	DAX 30	46	31
DE000CU1RFN5	Commerzbank	2200	Knock-Out Warrants	DAX 30	46	43
DE000KA39B18	Citi	2200	Knock-Out Warrants	DAX 30	46	25
DE000CU1Q791	Commerzbank	2200	Knock-Out Warrants	DAX 30	45	27
DE000KA39F30	Citi	2200	Knock-Out Warrants	DAX 30	45	11
DE000KA39AY2	Citi	2200	Knock-Out Warrants	DAX 30	44	8
DE000KA39DC2	Citi	2200	Knock-Out Warrants	Nasdaq 100	44	9
DE000CU1Q8B0	Commerzbank	2200	Knock-Out Warrants	DAX 30	43	6
PTBIU2YE0087	BCP	1300	Tracker Certificates	STOXX 600 Basic Resources Inc	43	8

(Source Euronext)



Euronext Paris

ISSUERS

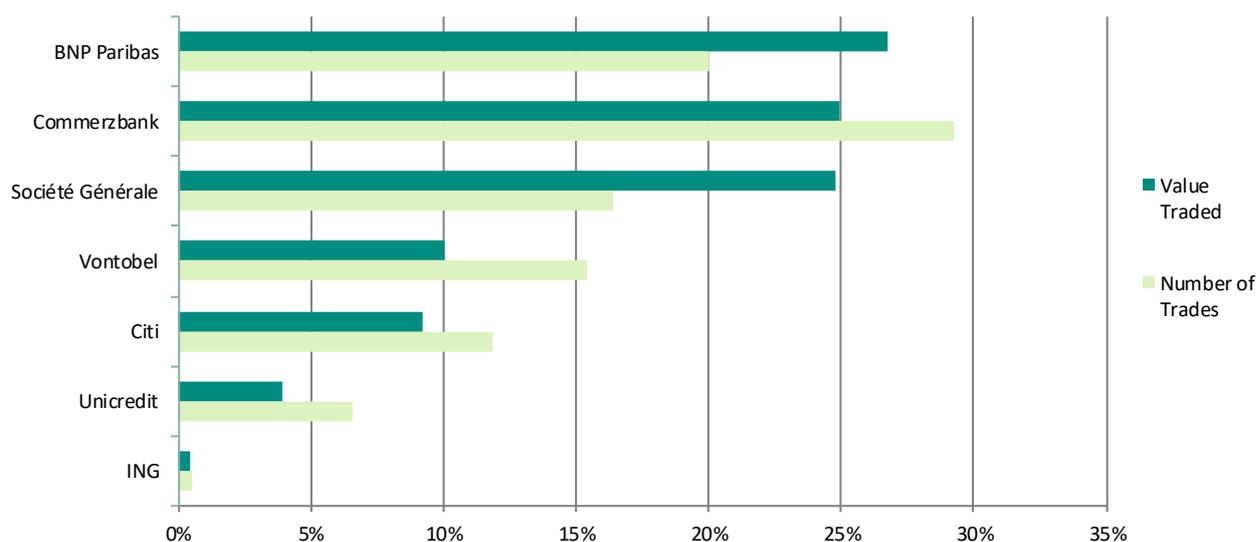
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of Euronext Paris.

The chart at the bottom of the page represents the weight of each issuer in terms of value traded and number of trades.

Issuers	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
BNP Paribas	3,189	4.0%	-9.6%	26.7%	902	-4.1%	-11.6%	20.0%
Commerzbank	2,976	5.3%	-12.7%	24.9%	1,317	6.9%	-6.0%	29.2%
Société Générale	2,959	15.7%	13.1%	24.8%	740	11.5%	-15.4%	16.4%
Vontobel	1,199	-21%	25%	10.0%	693	15.3%	47.4%	15.4%
Citi	1,098	9.6%	-22%	9.2%	535	-4.8%	-20.0%	11.9%
Unicredit	464	9.2%	19.7%	3.9%	296	-4.5%	14.2%	6.6%
ING	49	14.4%	-8.7%	0.4%	22	8.9%	0.4%	0.5%
Total	11,935	4.3%	-3.4%	100%	4,506	4.0%	-4.5%	100%

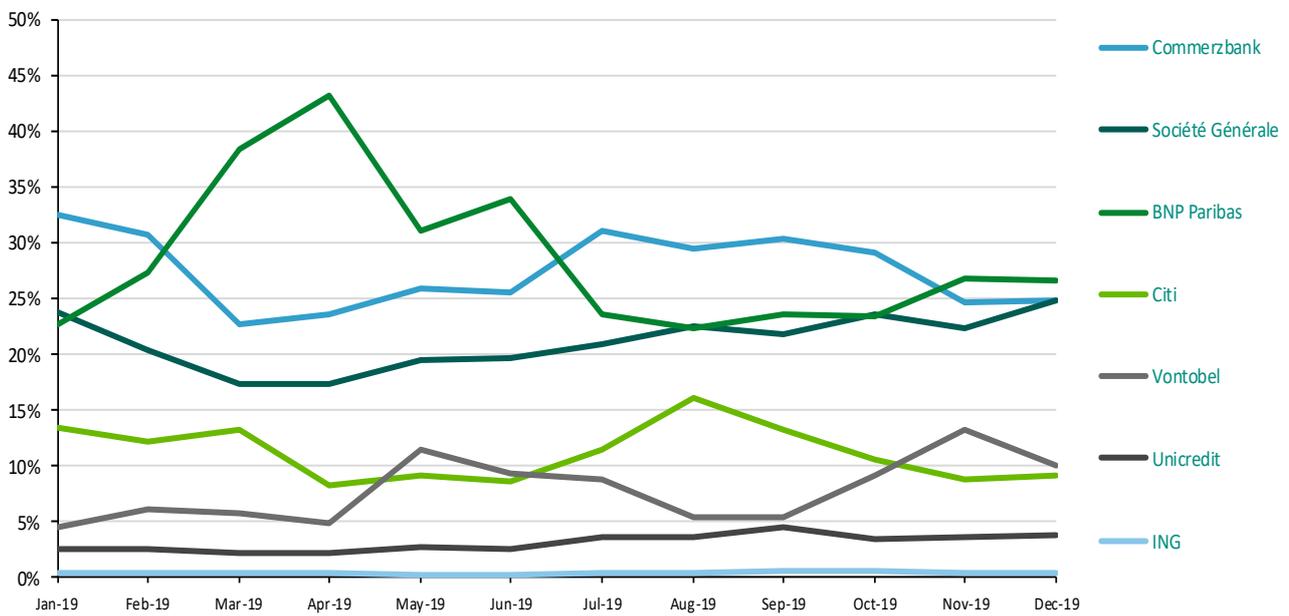
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ISSUERS

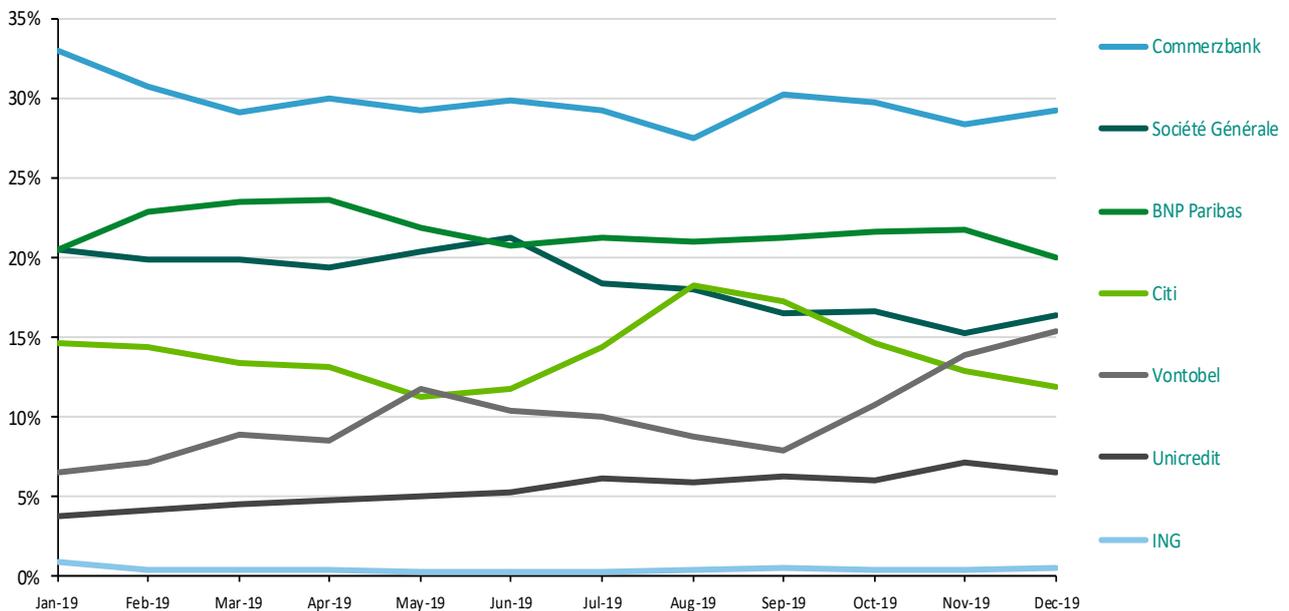
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each issuer over the total value traded on Euronext Paris.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each issuer over the total number of trades on Euronext Paris.



ISSUERS

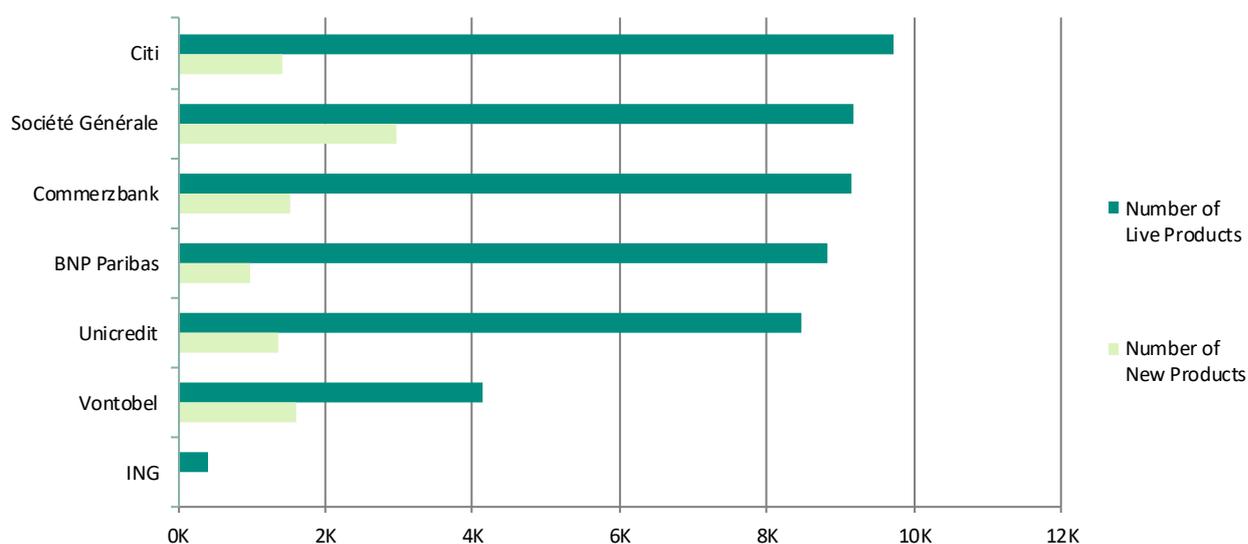
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per issuer, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each issuer over the total of Euronext Paris.

The chart at the bottom of the page represents the number of live products and number of new products for each issuer.

Issuers	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Citi	9,732	-7.1%	1.0%	19.5%	1,417	-40%	-50%	14.3%
Société Générale	9,184	-3.1%	-7.5%	18.4%	2,962	6.6%	-13.8%	30.0%
Commerzbank	9,157	-3.4%	-1.0%	18.3%	1,519	-28%	-22%	15.4%
BNP Paribas	8,827	-10.8%	-7.5%	17.7%	984	-43%	-57%	10.0%
Unicredit	8,482	-12.1%	-1.8%	17.0%	1,356	-37%	-40%	13.7%
Vontobel	4,127	2.2%	17.4%	8.3%	1,612	-25%	-21%	16.3%
ING	401	-7.0%	13.4%	0.8%	29	-62%	-34%	0.3%
Total	49,909	-6.6%	-1.9%	100%	9,879	-26.1%	-33.6%	100%

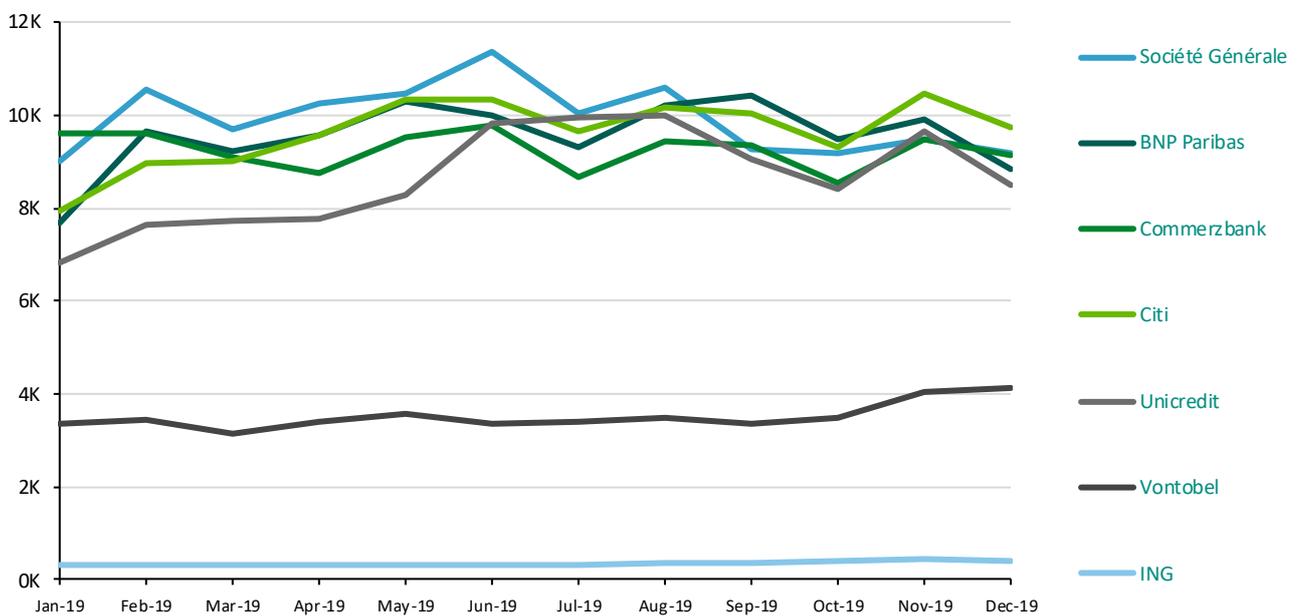
(Source Euronext)



ISSUERS

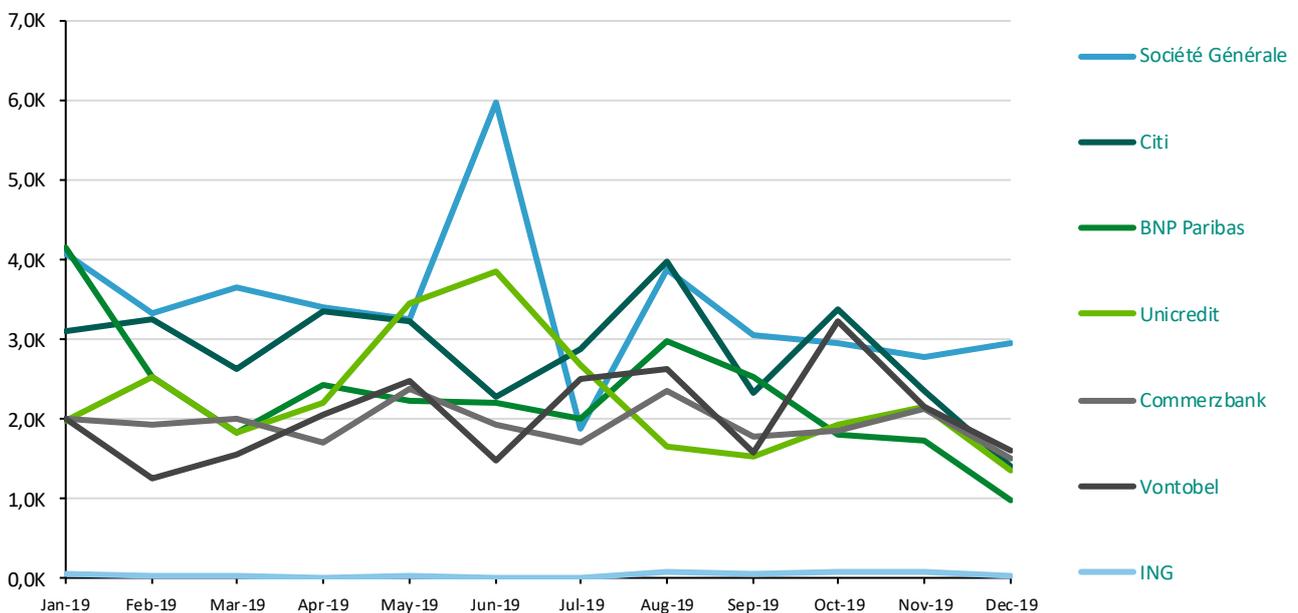
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each issuer on Euronext Paris.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each issuer on Euronext Paris.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

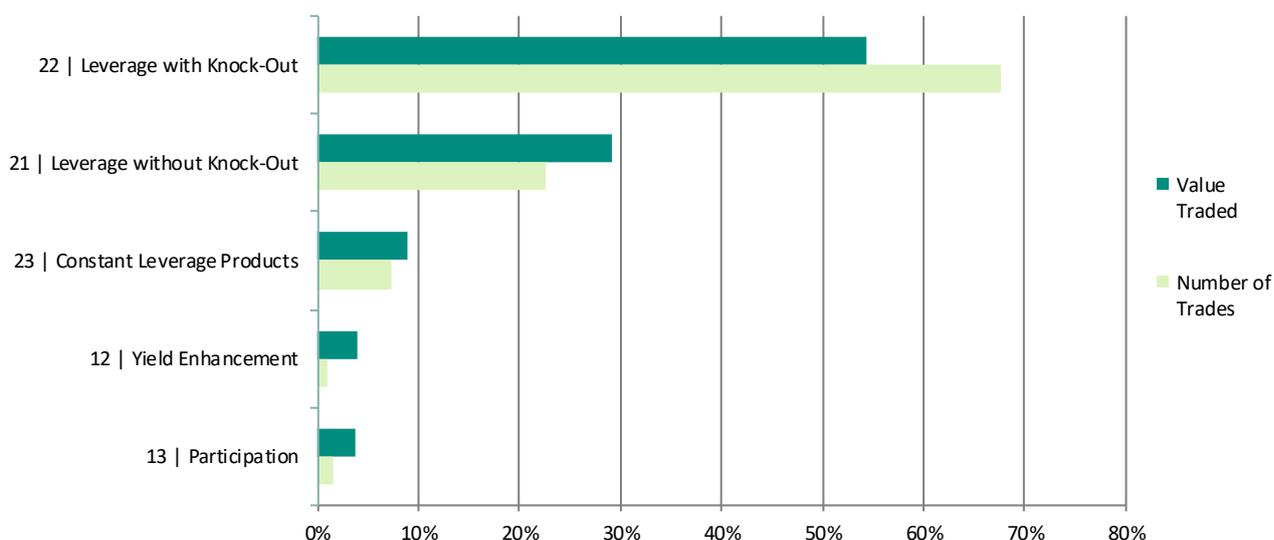
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Paris.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 2)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
22 Leverage with Knock-Out	6,488	-3.1%	-2.8%	54.4%	3,046	0.0%	-3.5%	67.6%
21 Leverage without Knock-Out	3,472	23%	-2.9%	29.1%	1,019	11.8%	-4.2%	22.6%
23 Constant Leverage Products	1,063	2.7%	-22%	8.9%	327	22.1%	-13.0%	7.3%
12 Yield Enhancement	468	15.8%	45%	3.9%	46	-12.9%	-4.6%	1.0%
13 Participation	443	-10.5%	6.1%	3.7%	68	27.0%	-6.6%	1.5%
Total	11,935	4.3%	-3.4%	100%	4,506	4.0%	-4.5%	100%

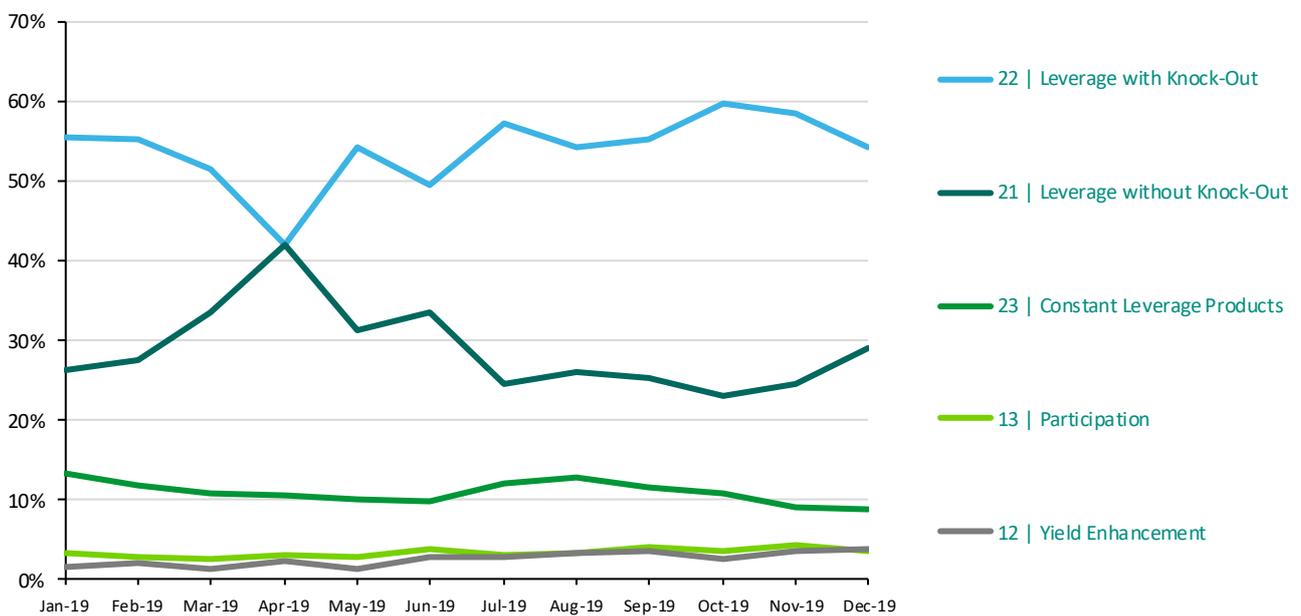
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

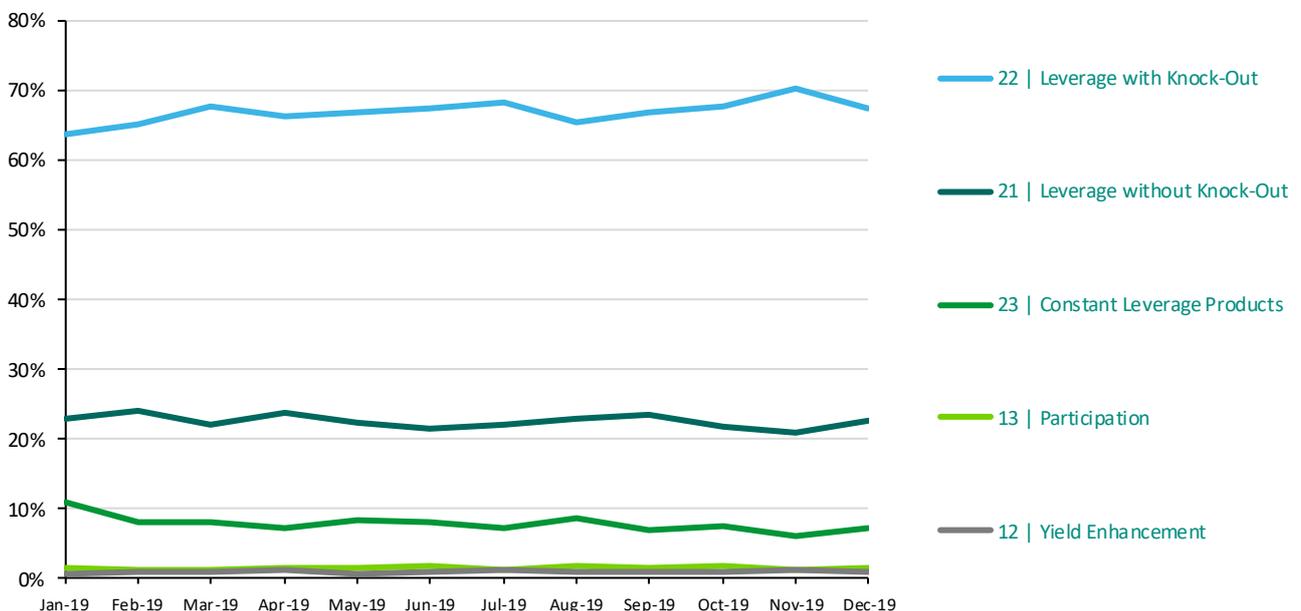
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Paris.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Paris.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

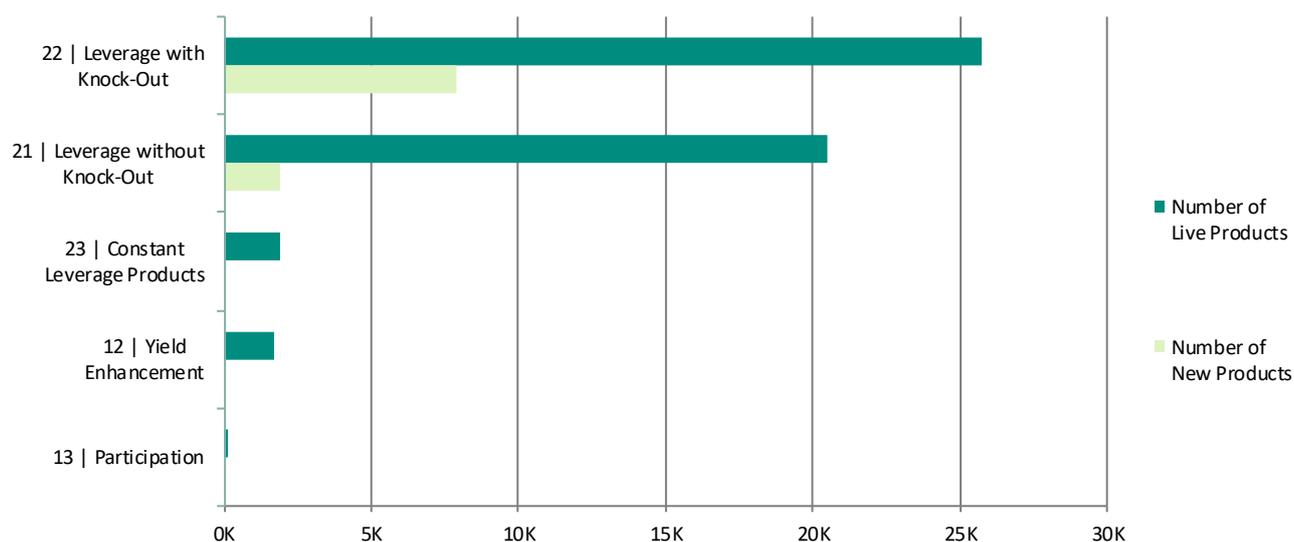
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product type (EUSIPA¹ categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Paris.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 2)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
22 Leverage with Knock-Out	25,729	-3.3%	3.8%	51.6%	7,855	-25%	-26%	79.5%
21 Leverage without Knock-Out	20,502	-10.6%	-10.4%	41.1%	1,912	-18.2%	-50%	19.4%
23 Constant Leverage Products	1,867	6.9%	72%	3.7%	63	-88%	-55%	0.6%
12 Yield Enhancement	1,692	-17.2%	-14.0%	3.4%	49		-81%	0.5%
13 Participation	119	-5.8%	-7.8%	0.2%	0		-100%	0.0%
Total	49,909	-6.6%	-1.9%	100%	9,879	-26.1%	-33.6%	100%

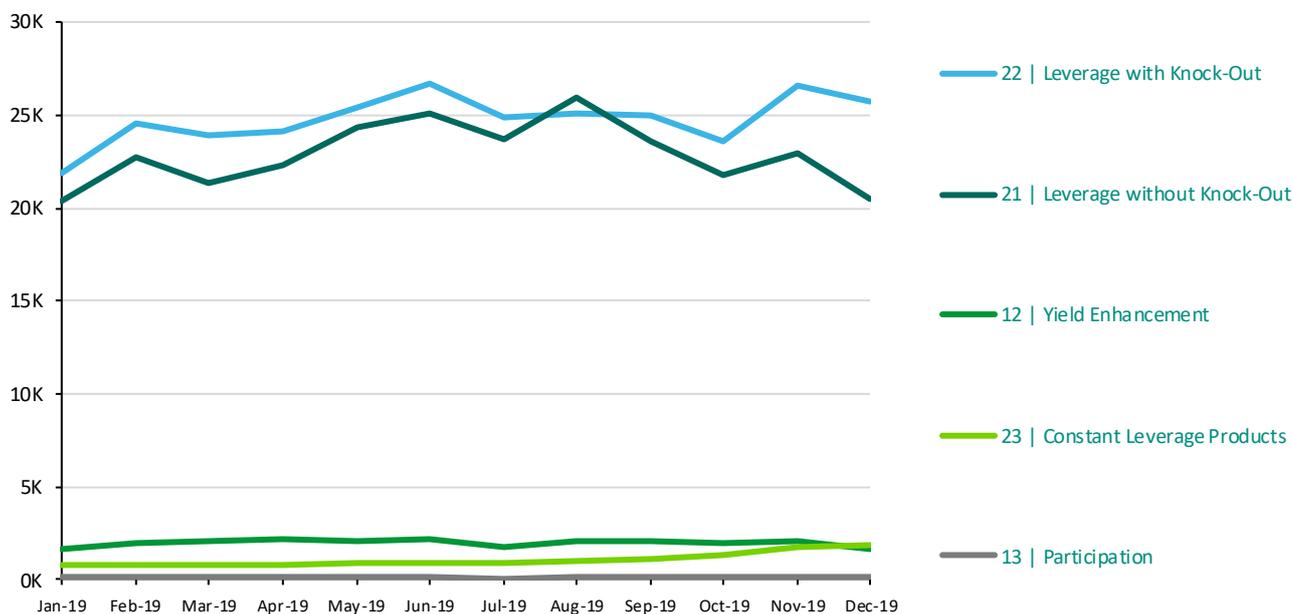
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 2)

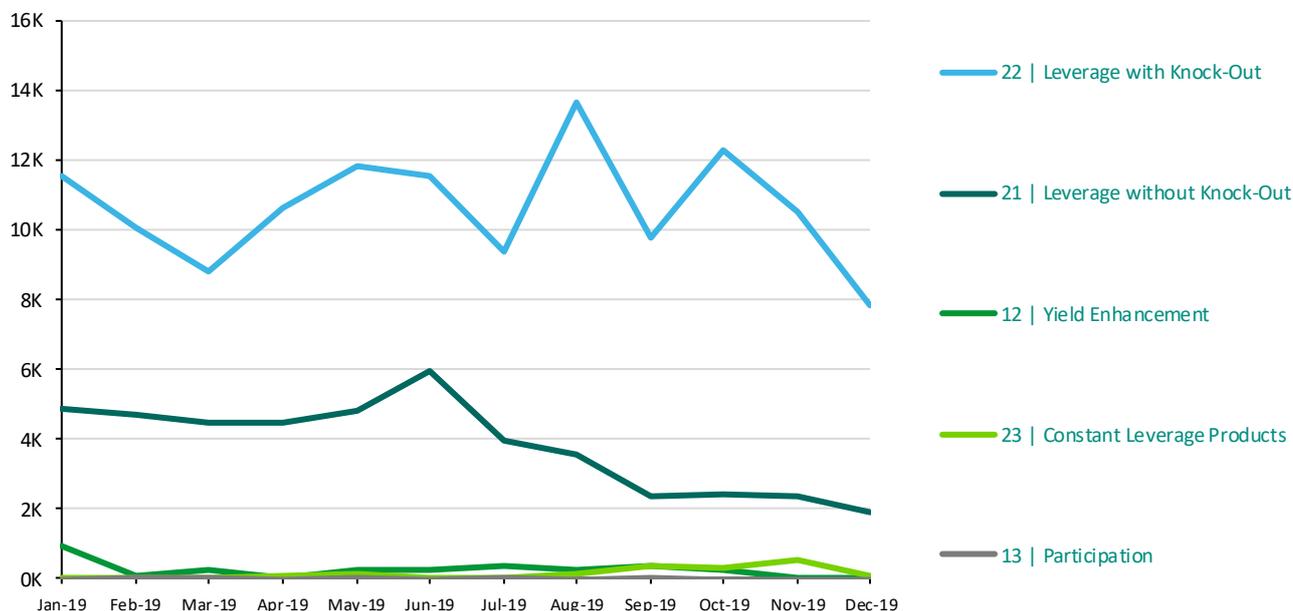
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Paris.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Paris.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

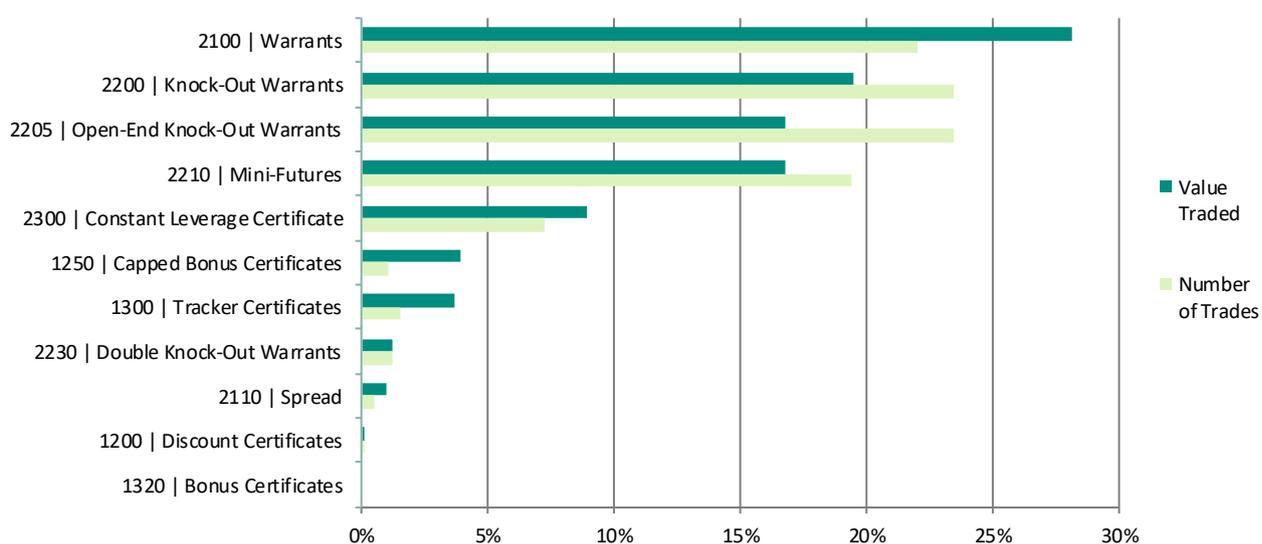
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Paris.

The chart at the bottom of the page represents the weight of each product type in terms of value traded and number of trades.

Product Types (EUSIPA Categorization Level 3)	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
2100 Warrants	3,359	23%	-4.8%	28.1%	994	11.5%	-5.3%	22.1%
2200 Knock-Out Warrants	2,329	30%	-8.5%	19.5%	1,060	2.7%	-9.6%	23.5%
2205 Open-End Knock-Out Warrants	2,008	-26%	-2.7%	16.8%	1,059	-5.1%	-0.8%	23.5%
2210 Mini-Futures	2,002	-3.9%	4.2%	16.8%	874	2.4%	-0.2%	19.4%
2300 Constant Leverage Certificate	1,063	2.7%	-22%	8.9%	327	22%	-13.0%	7.3%
1250 Capped Bonus Certificates	468	15.9%	45%	3.9%	46	-12.8%	-4.5%	1.0%
1300 Tracker Certificates	443	-10.3%	6.2%	3.7%	68	28%	-6.5%	1.5%
2230 Double Knock-Out Warrants	149	18.0%	1.1%	1.2%	54	20%	28%	1.2%
2110 Spread	113	50%	143%	0.9%	25	26%	84%	0.5%
1200 Discount Certificates	0	-42%	-10.7%	0.0%	0.1	-30%	-36%	0.0%
1320 Bonus Certificates	0	-100%	-100%	0.0%	0.0	-100%	-100%	0.0%
Total	11,935	4.3%	-3.4%	100%	4,506	4.0%	-4.5%	100%

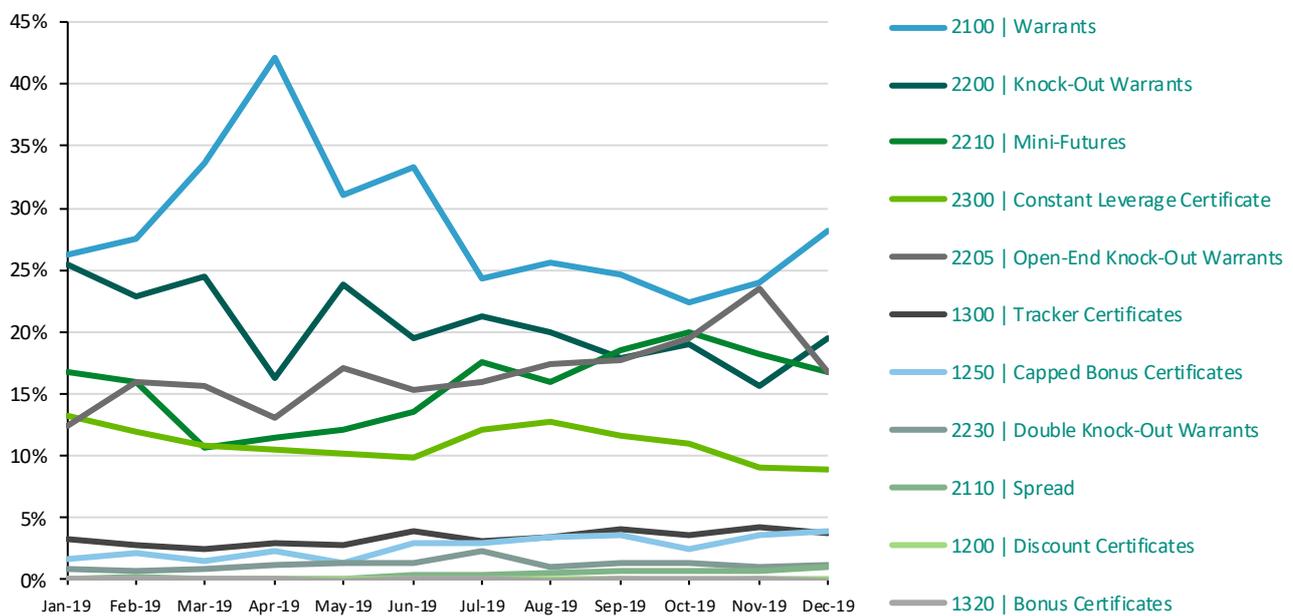
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

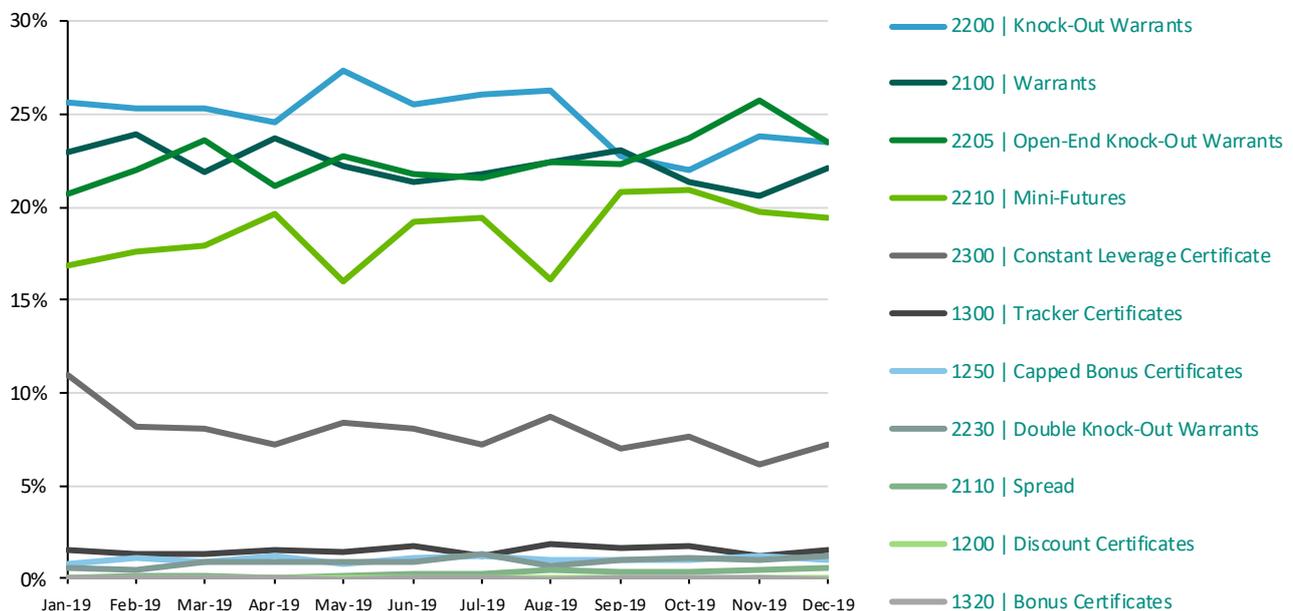
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Paris.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Paris.



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

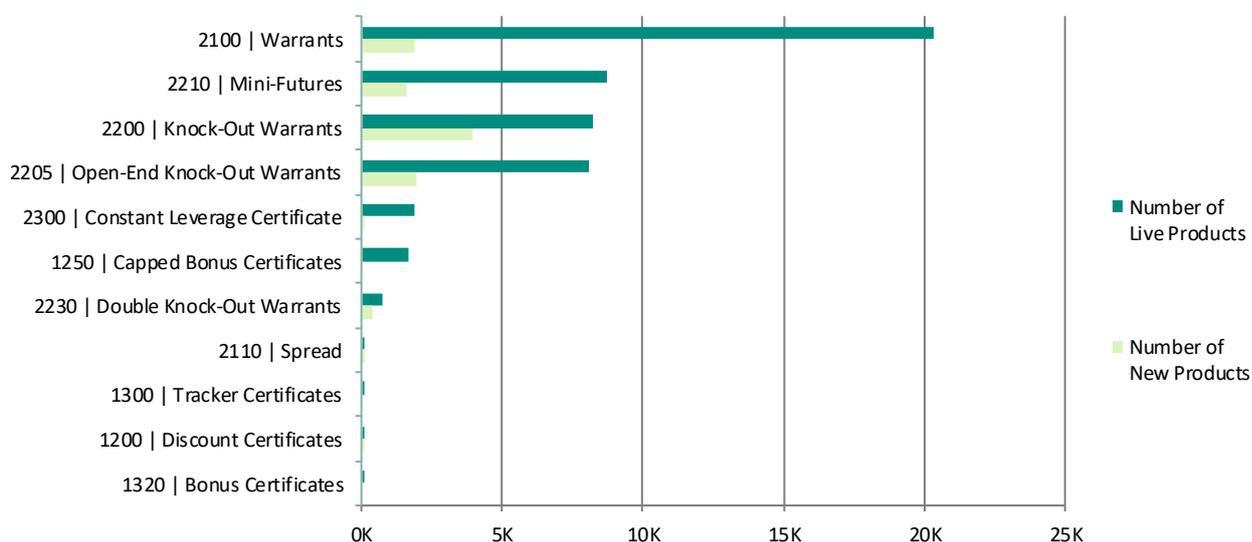
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product type (EUSIPA¹ categorization level 3), as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product type over the total of Euronext Paris.

The chart at the bottom of the page represents the number of live products and number of new products for each product type.

Product Types (EUSIPA Categorization Level 3)	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
2100 Warrants	20,373	-10.7%	-10.6%	40.8%	1,873	-18.5%	-51%	19.0%
2210 Mini-Futures	8,699	-2.9%	1.5%	17.4%	1,570	-25%	-34%	15.9%
2200 Knock-Out Warrants	8,231	-3.3%	8.0%	16.5%	3,933	-34%	-29%	39.8%
2205 Open-End Knock-Out Warrants	8,069	-3.9%	1.6%	16.2%	1,988	-15.8%	-20%	20.1%
2300 Constant Leverage Certificate	1,867	6.9%	72%	3.7%	63	-88%	-55%	0.6%
1250 Capped Bonus Certificates	1,647	-17.9%	-13.8%	3.3%	0		-100%	0.0%
2230 Double Knock-Out Warrants	730	-0.1%	13.4%	1.5%	364	133%	40%	3.7%
2110 Spread	129	1.9%	18.8%	0.3%	39	0.0%	62%	0.4%
1300 Tracker Certificates	83	-4.1%	-8.1%	0.2%	0		-100%	0.0%
1200 Discount Certificates	46	23%	-20%	0.1%	49		420%	0.5%
1320 Bonus Certificates	35	-9.5%	-7.1%	0.1%	0		-100%	0.0%
Total	49,909	-6.6%	-1.9%	100%	9,879	-26.1%	-33.6%	100%

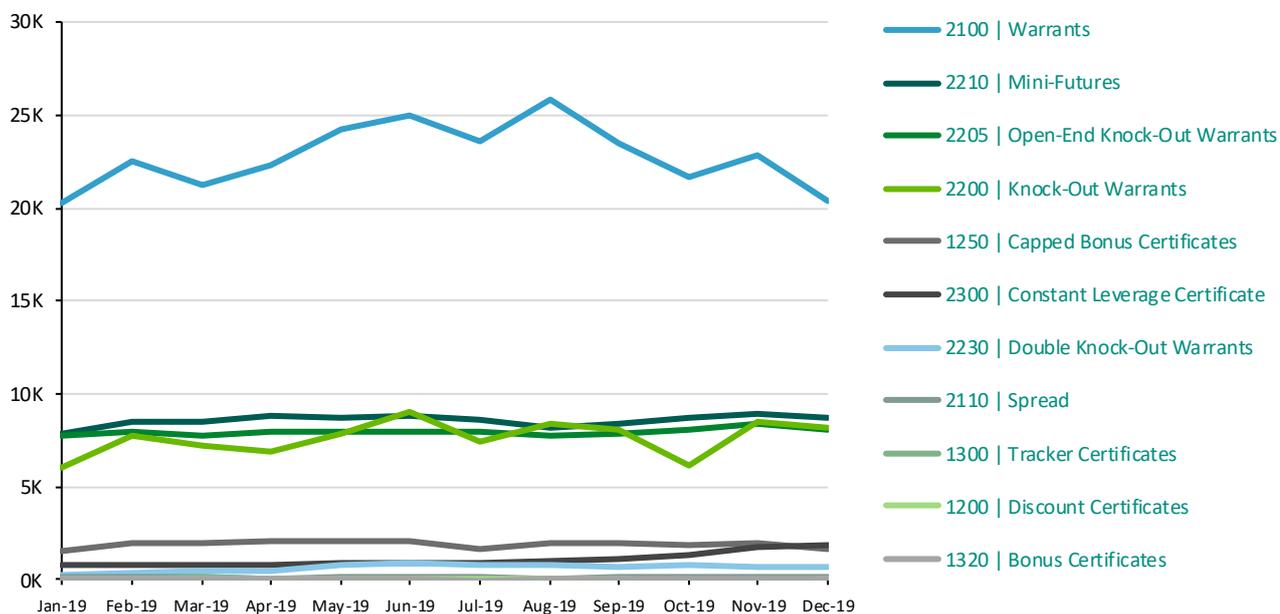
(Source Euronext)



PRODUCT TYPES (EUSIPA¹ CATEGORIZATION LEVEL 3)

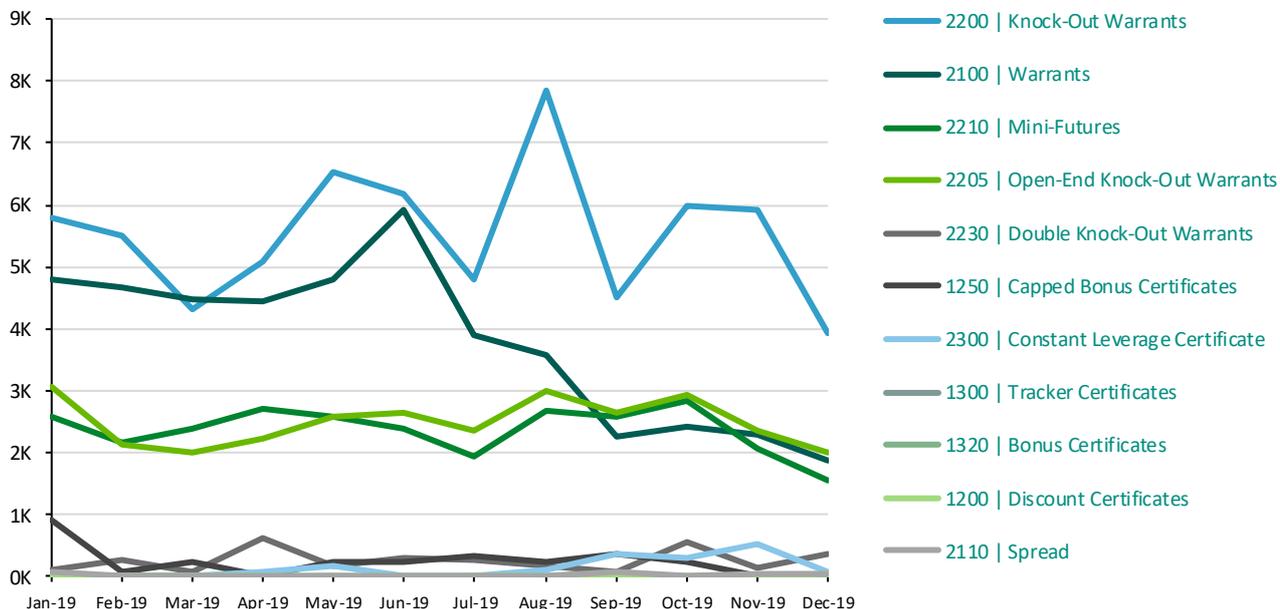
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Paris.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Paris.



PRODUCT STRATEGIES

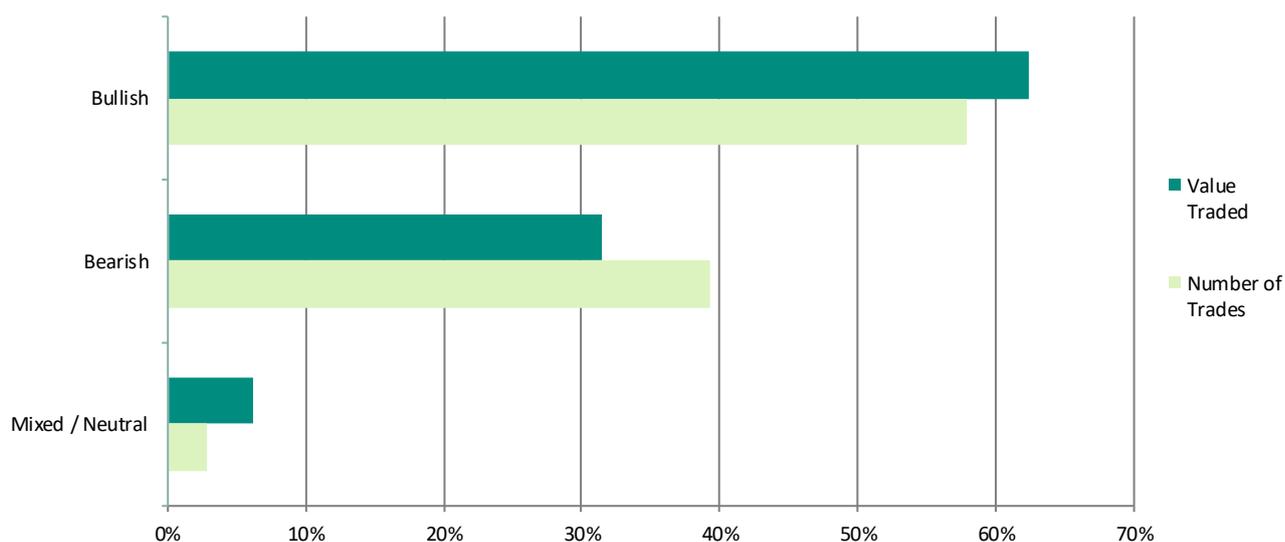
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of Euronext Paris.

The chart at the bottom of the page represents the weight of each product strategy in terms of value traded and number of trades.

Product Strategies	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Bullish	7,450	5.0%	-3.1%	62.4%	2,607	8.5%	-4.3%	57.9%
Bearish	3,755	0.3%	-9.6%	31.5%	1,774	-2.0%	-6.1%	39.4%
Mixed / Neutral	730	21%	41%	6.1%	125	6.2%	20%	2.8%
Total	11,935	4.3%	-3.4%	100%	4,506	4.0%	-4.5%	100%

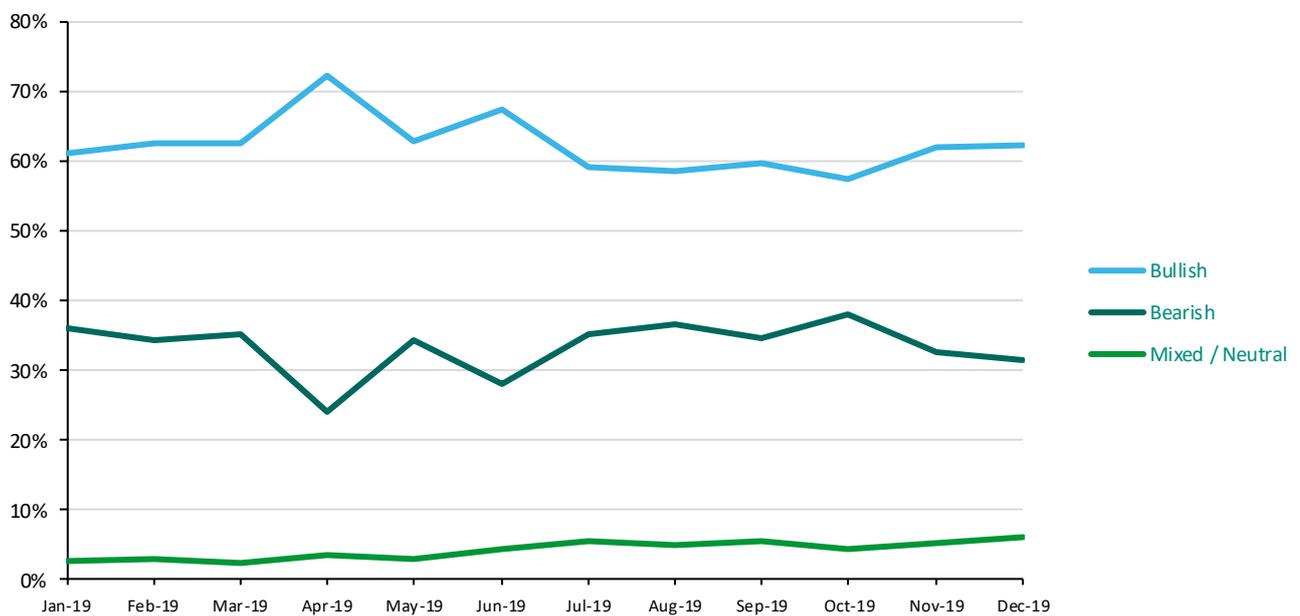
(Source Euronext)



PRODUCT STRATEGIES

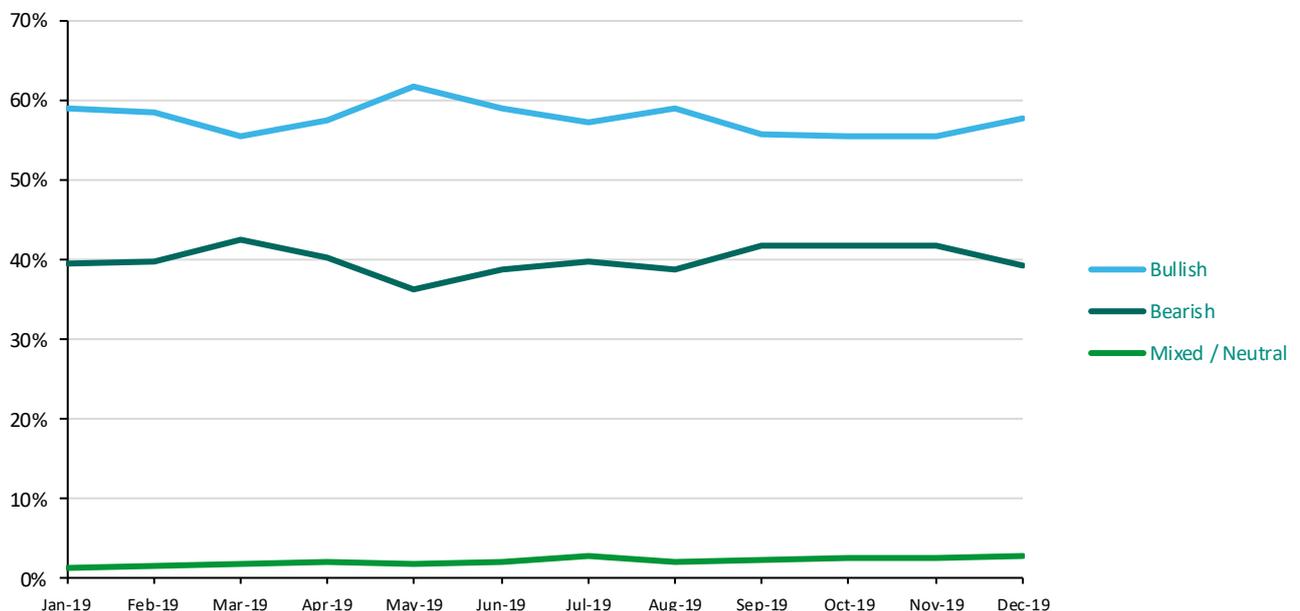
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each product type over the total value traded on Euronext Paris.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each product type over the total number of trades on Euronext Paris.



PRODUCT STRATEGIES

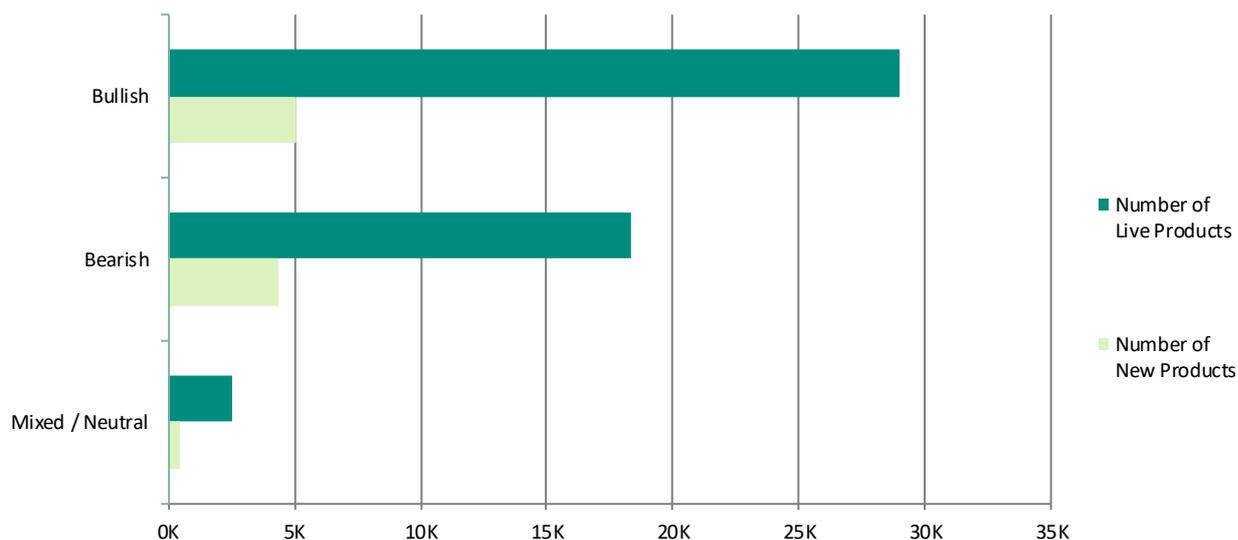
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product strategy, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each product strategy over the total of Euronext Paris.

The chart at the bottom of the page represents the number of live products and number of new products for each product strategy.

Strategies	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Bullish	29,030	-7.3%	1.6%	58.2%	5,105	-28%	-34%	51.7%
Bearish	18,328	-4.8%	-6.3%	36.7%	4,322	-29%	-34%	43.7%
Mixed / Neutral	2,552	-12.0%	-6.2%	5.1%	452	132%	-16.5%	4.6%
Total	49,909	-6.6%	-1.9%	100%	9,879	-26.1%	-33.6%	100%

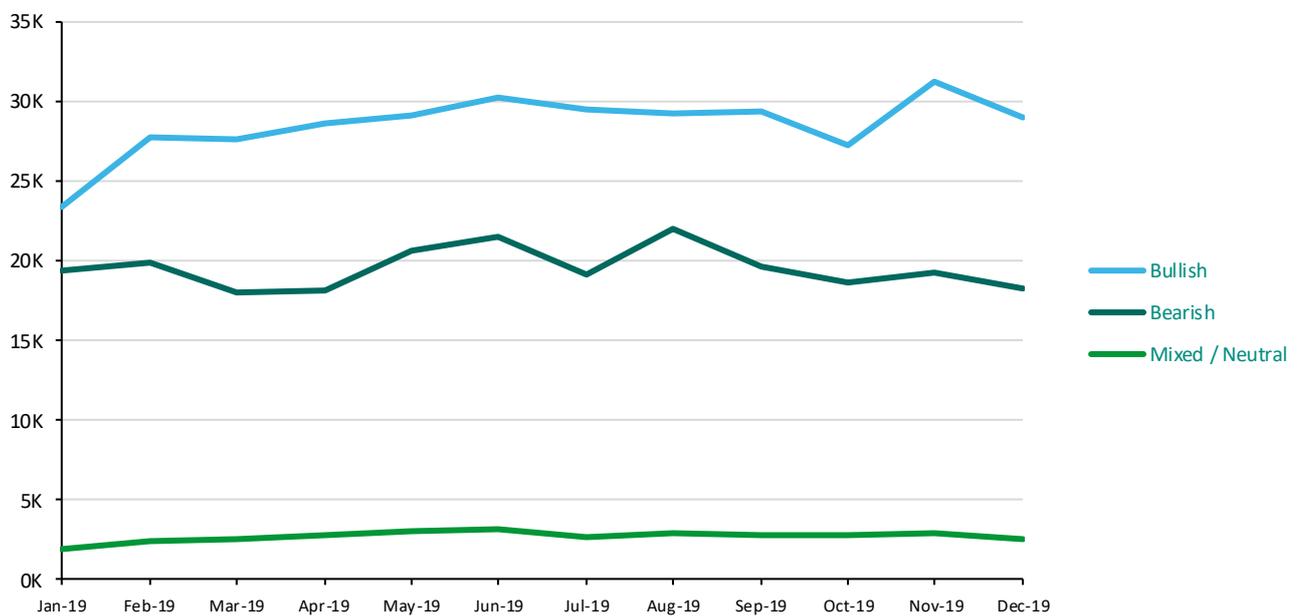
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PRODUCT STRATEGIES

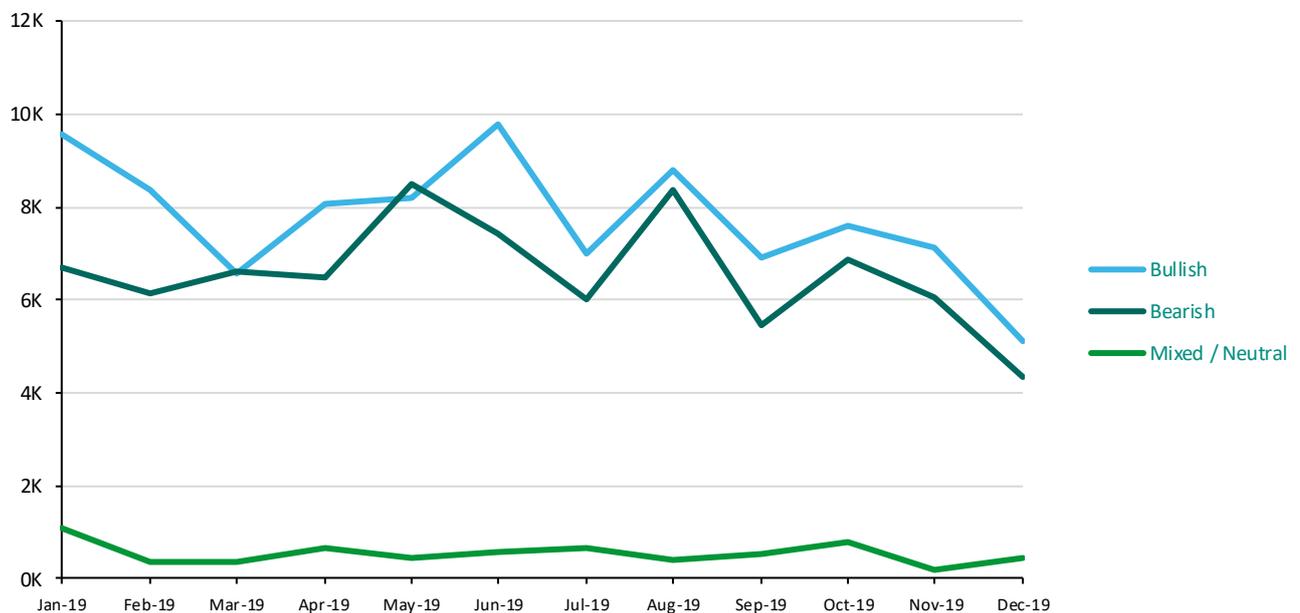
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each product type on Euronext Paris.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each product type on Euronext Paris.



UNDERLYING TYPES

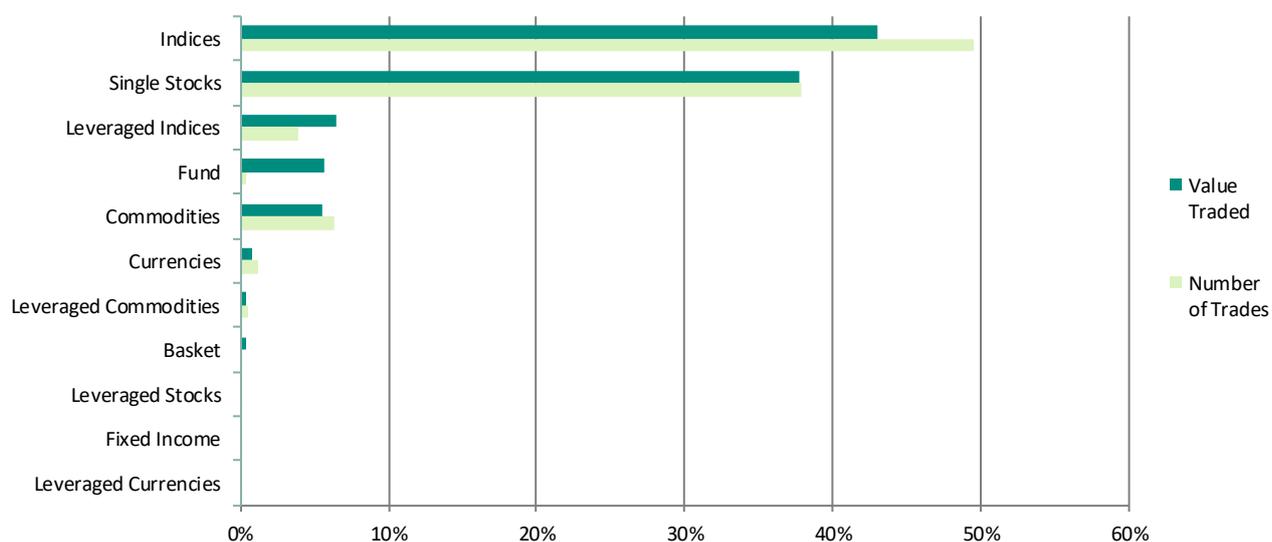
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of Euronext Paris.

The chart at the bottom of the page represents the weight of each underlying type in terms of value traded and number of trades.

Underlying Types	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
Indices	5,137	8.1%	-7.6%	43.0%	2,231	9.0%	-2.9%	49.5%
Single Stocks	4,502	0.9%	11.8%	37.7%	1,706	-5.3%	-5.8%	37.9%
Leveraged Indices	765	35%	-7.2%	6.4%	175	36.7%	-13.6%	3.9%
Fund	681	-15.4%	-38%	5.7%	16	20.5%	-0.3%	0.4%
Commodities	656	-9.4%	-5.6%	5.5%	287	3.7%	-5.0%	6.4%
Currencies	91	96%	10.2%	0.8%	56	48.9%	-1.5%	1.2%
Leveraged Commodities	52	63%	85%	0.4%	23	58.4%	70.7%	0.5%
Basket	41	56%	124%	0.3%	1.5	38.4%	23.7%	0.0%
Leveraged Stocks	7	-67%	-50%	0.1%	7.1	6.5%	-23.3%	0.2%
Fixed Income	2	-34%	-82%	0.0%	2.8	-29.2%	-57.1%	0.1%
Leveraged Currencies	2	-42%	46%	0.0%	0.2	-53.3%	-19.0%	0.0%
Total	11,935	4.3%	-3.4%	100%	4,506	4.0%	-4.5%	100%

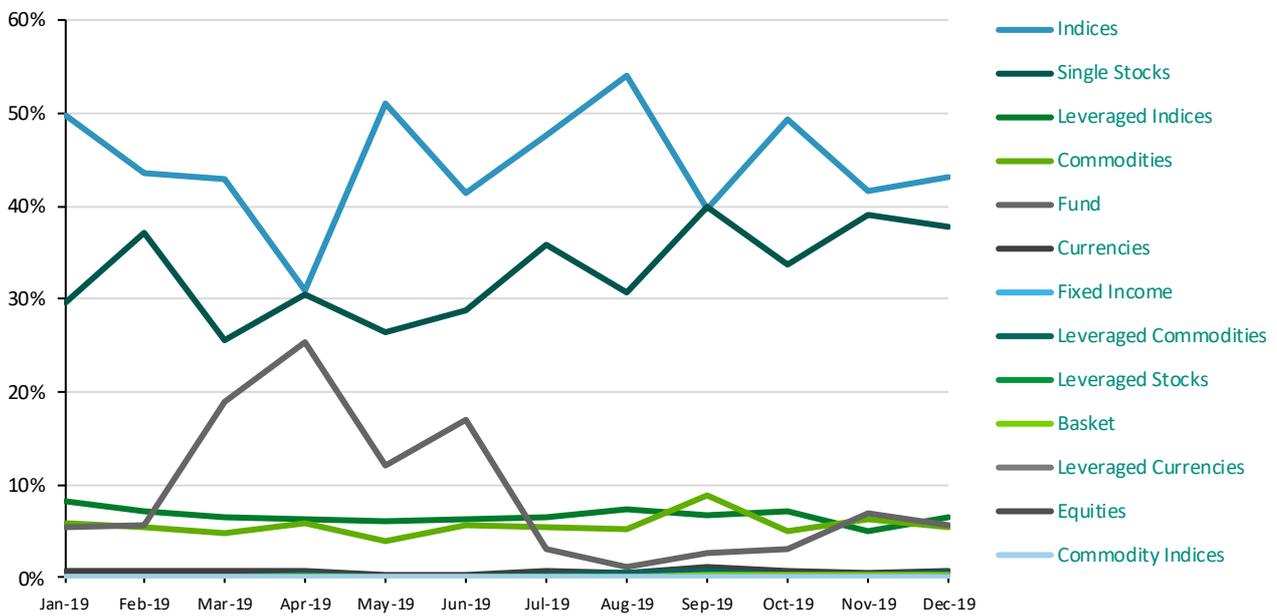
(Source Euronext)



UNDERLYING TYPES

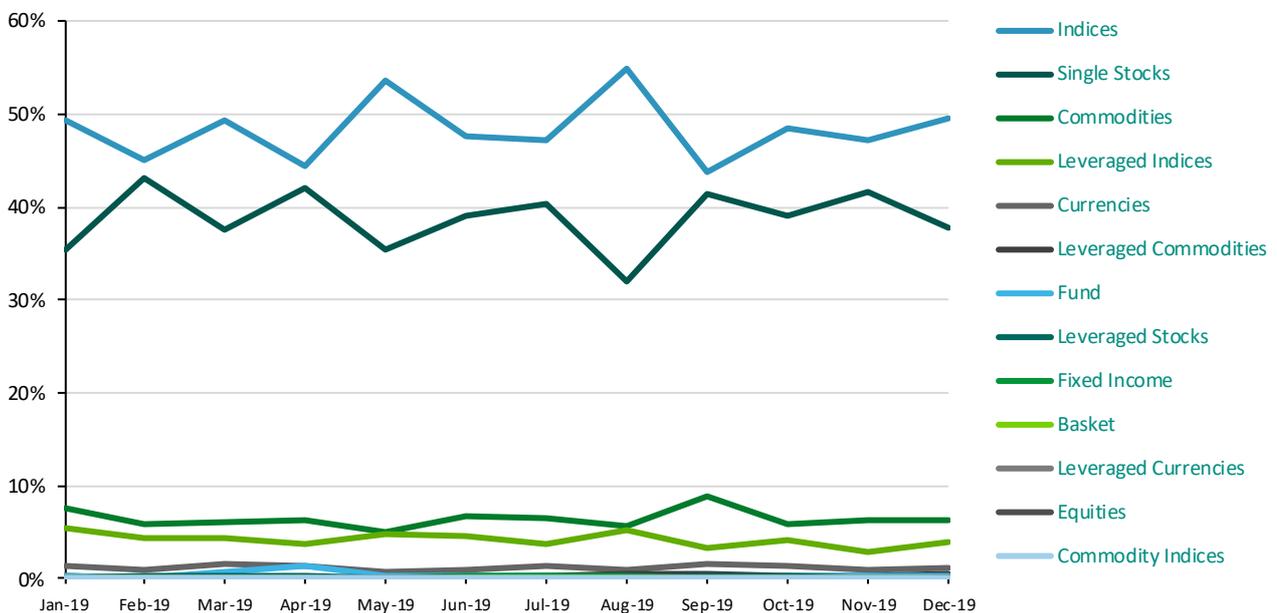
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying type over the total value traded on Euronext Paris.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each underlying type over the total number of trades on Euronext Paris.



UNDERLYING TYPES

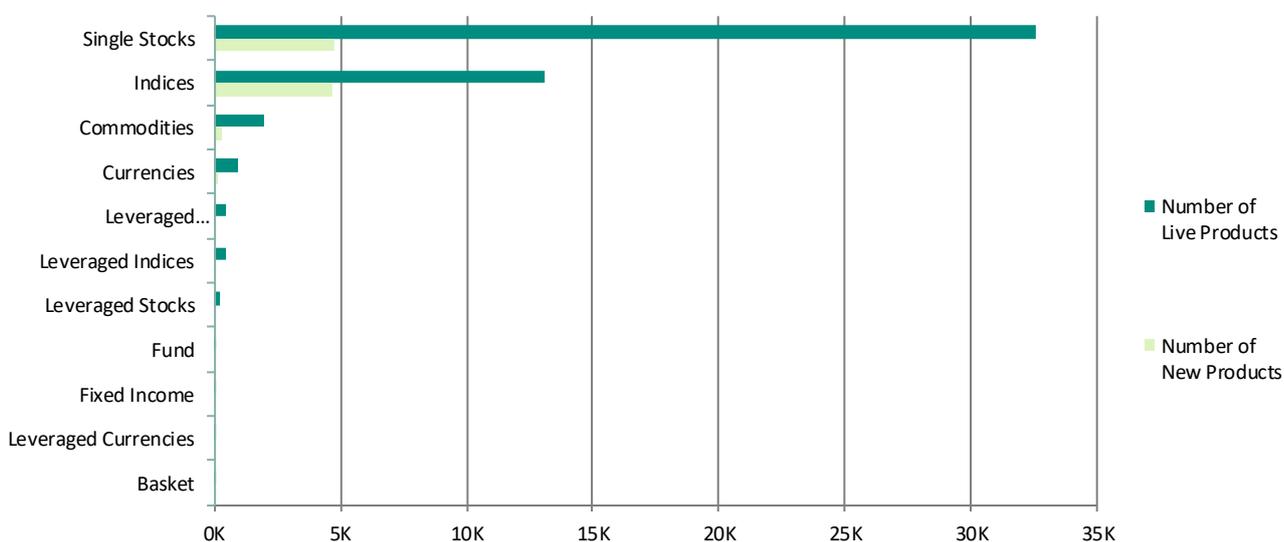
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per underlying type, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying type over the total of Euronext Paris.

The chart at the bottom of the page represents the number of live products and number of new products for each underlying type.

Underlying Types	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
Single Stocks	32,564	-8.1%	-5.7%	65.2%	4,747	-26%	-43%	48.1%
Indices	13,073	-4.3%	4.5%	26.2%	4,679	-25%	-19.6%	47.4%
Commodities	1,984	-3.3%	5.8%	4.0%	291	-19.4%	-42%	2.9%
Currencies	963	-6.1%	-16.8%	1.9%	131	21%	-30%	1.3%
Leveraged Commodities	491	7.6%	207%	1.0%	15	-90%	-69%	0.2%
Leveraged Indices	434	1.7%	45%	0.9%	4	-96%	-84%	0.0%
Leveraged Stocks	220	-2.1%	27%	0.4%	6	-81%	-25%	0.1%
Fund	91	0.3%	4.1%	0.2%	1	-50%	-40%	0.0%
Fixed Income	76	1.4%	10.8%	0.2%	0	-100%	-100%	0.0%
Leveraged Currencies	8	0.0%	0.0%	0.0%	0			0.0%
Basket	4	8.7%	-1.6%	0.0%	4		NA	0.0%
Total	49,909	-6.6%	-1.9%	100%	9,879	-26%	-34%	100%

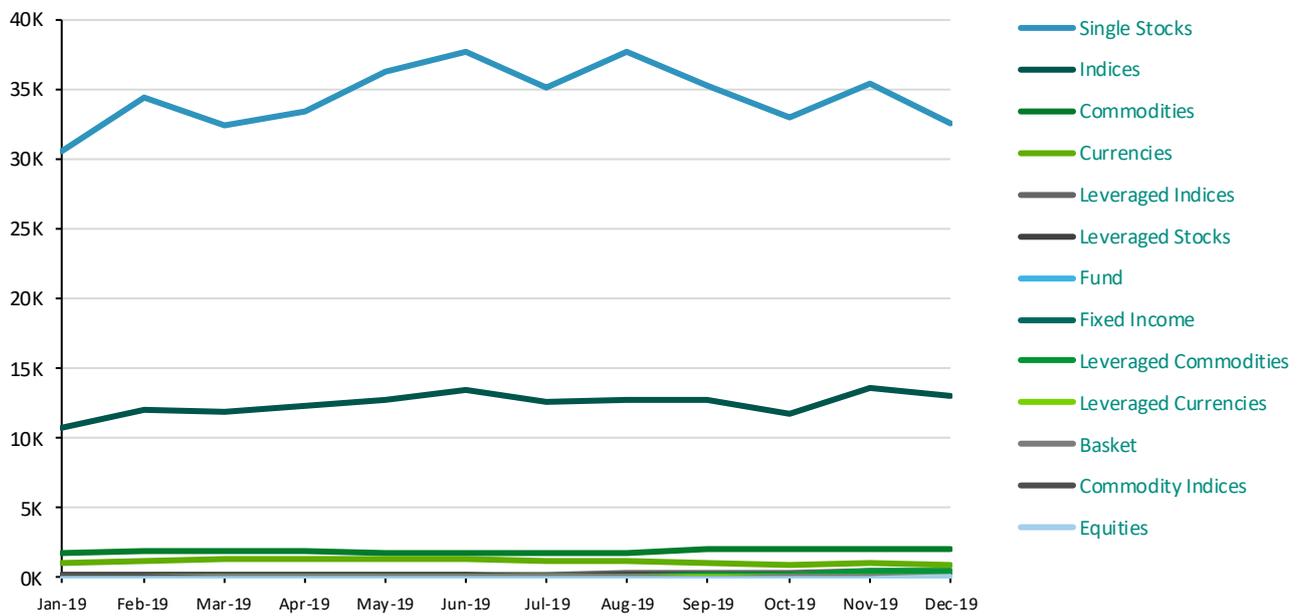
(Source Euronext)



UNDERLYING TYPES

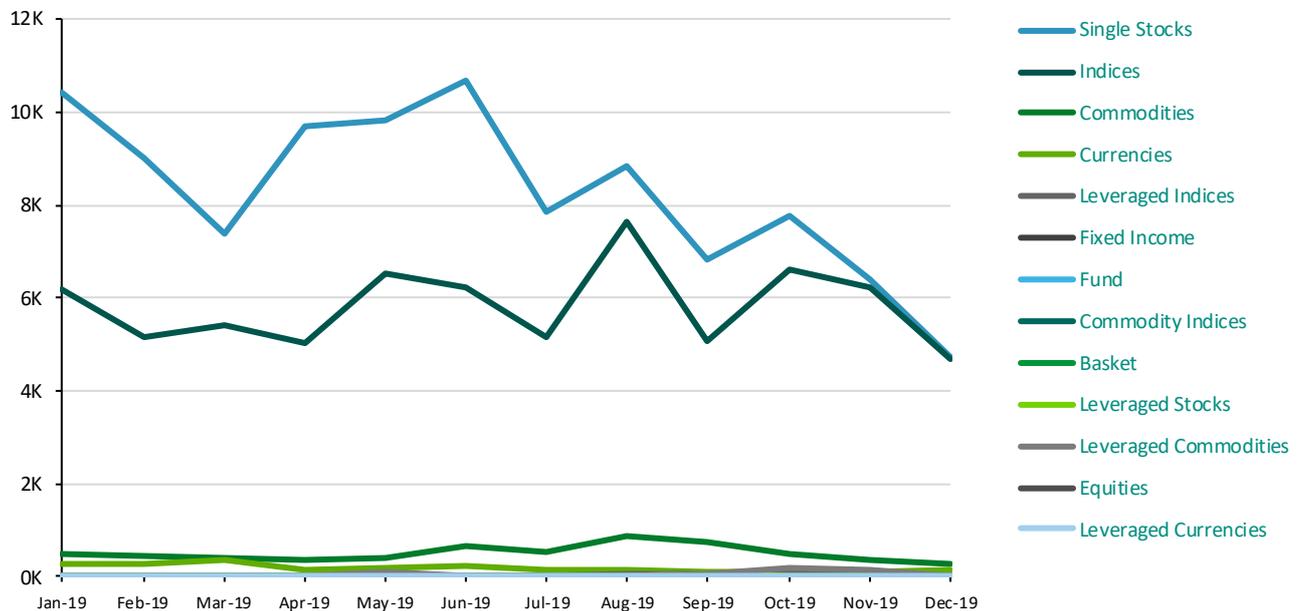
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying type on Euronext Paris.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying type on Euronext Paris.



TOP 10 UNDERLYING COUNTRIES

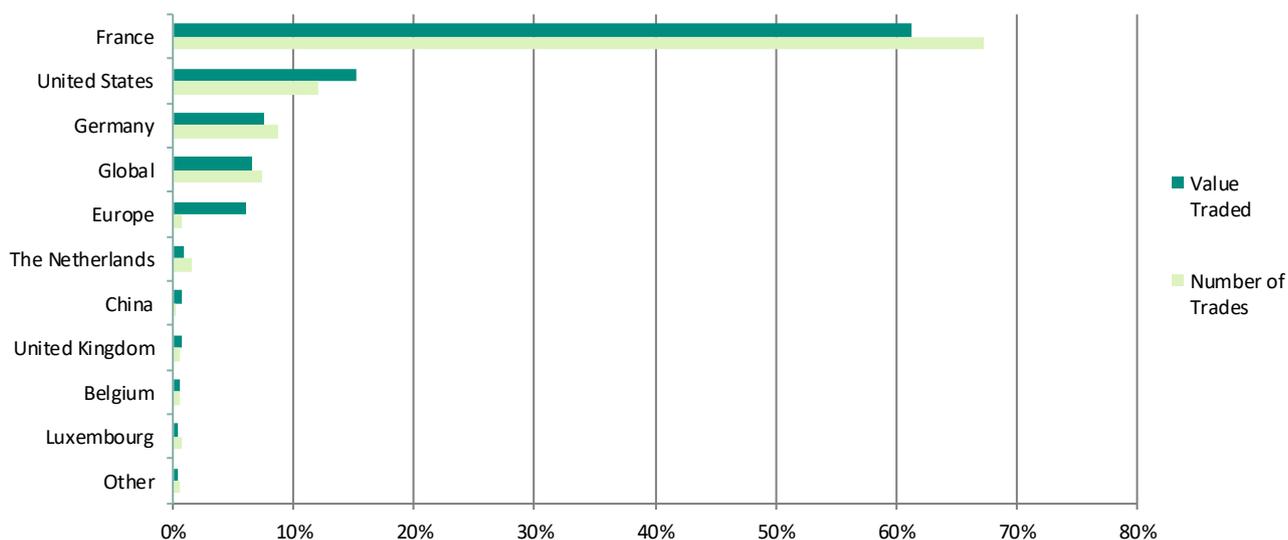
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of Euronext Paris.

The chart at the bottom of the page represents the weight of each underlying country of origin in terms of value traded and number of trades.

Underlying Countries	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
France	7,326	-0.9%	-5.4%	61.4%	3,037	1.2%	-7.9%	67.4%
United States	1,820	47%	18.6%	15.3%	543	15.8%	4.8%	12.0%
Germany	892	29%	6.6%	7.5%	390	14.4%	1.0%	8.6%
Global	787	-5.4%	-1.3%	6.6%	331	4.7%	-3.5%	7.4%
Europe	708	-13.9%	-38%	5.9%	31	43%	-20%	0.7%
The Netherlands	106	15.4%	59%	0.9%	65	22%	136%	1.4%
China	78	122%	536%	0.7%	9.1	50%	199%	0.2%
United Kingdom	76	155%	194%	0.6%	27	112%	160%	0.6%
Belgium	71	35%	25%	0.6%	22	25%	-6.7%	0.5%
Luxembourg	37	-84%	-51%	0.3%	32	-55%	-24%	0.7%
Other	34	26%	-42%	0.3%	20	-3.9%	-23%	0.4%
Total	11,935	4.3%	-3.4%	100%	4,506	4.0%	-4.5%	100%

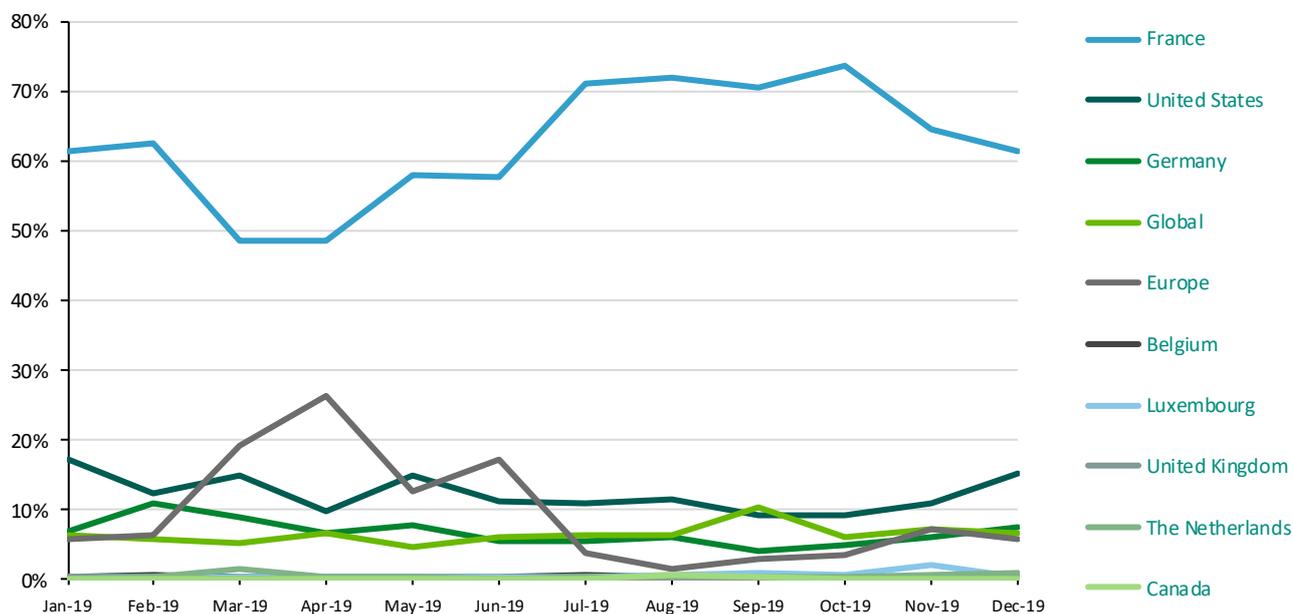
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

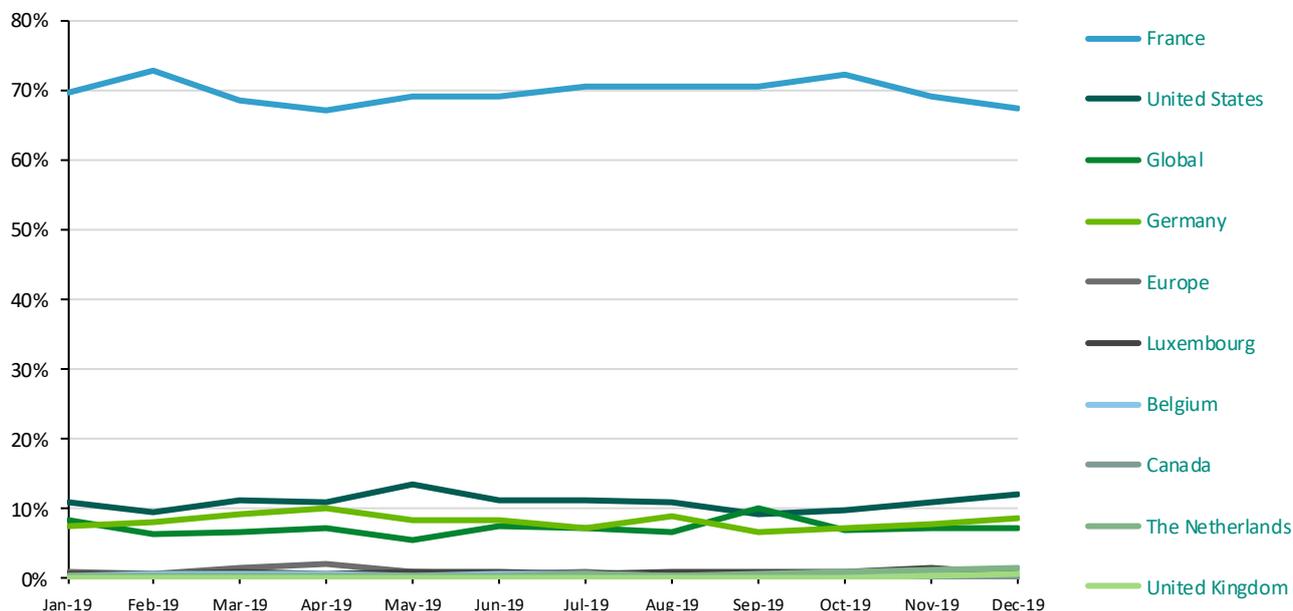
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each underlying country of origin over the total value traded on Euronext Paris.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each underlying country of origin over the total number of trades on Euronext Paris.



TOP 10 UNDERLYING COUNTRIES

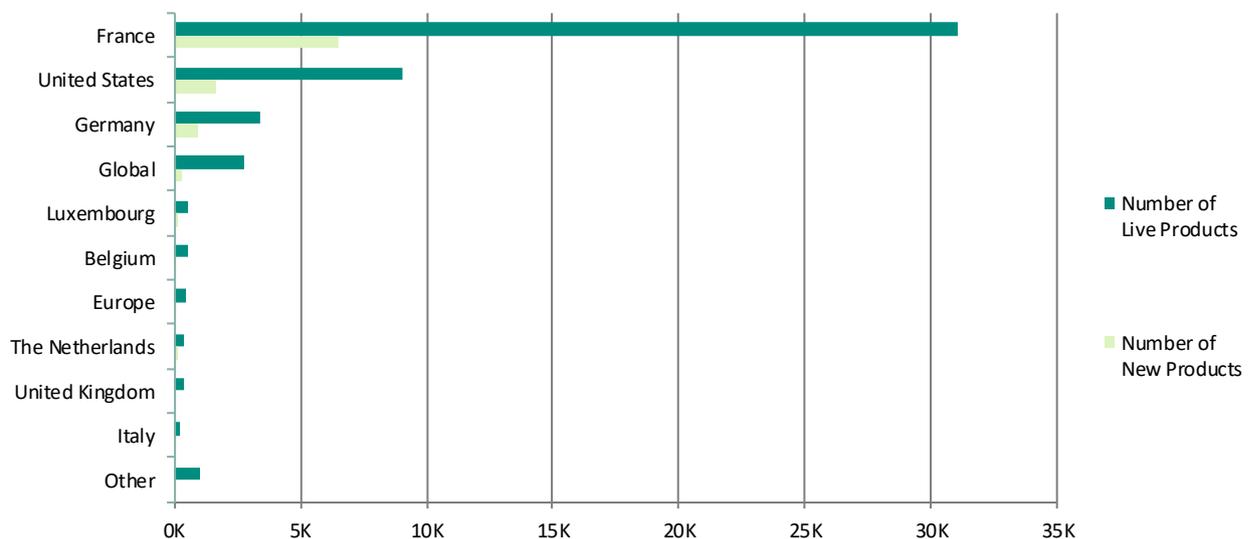
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per country of origin of the underlying, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each underlying country of origin over the total of Euronext Paris.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying country.

Underlying Countries	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
France	31,071	-6.6%	-4.7%	62.3%	6,485	-22%	-33%	65.6%
United States	9,082	-6.1%	2.2%	18.2%	1,655	-33%	-37%	16.8%
Germany	3,390	-10.8%	7.1%	6.8%	930	-28%	-20%	9.4%
Global	2,767	-2.4%	18.4%	5.5%	337	-37%	-44%	3.4%
Luxembourg	570	-7.1%	-15.4%	1.1%	114	-39%	-44%	1.2%
Belgium	509	-6.2%	1.3%	1.0%	32	-66%	-70%	0.3%
Europe	444	-7.5%	-17.1%	0.9%	58	-13.4%	-35%	0.6%
The Netherlands	412	-2.0%	10.1%	0.8%	118	-16.9%	6.2%	1.2%
United Kingdom	400	-7.0%	-15.3%	0.8%	64	56%	-22%	0.6%
Italy	220	-8.9%	-16.8%	0.4%	12	-69%	-62%	0.1%
Other	1,043	-8.7%	0.6%	2.1%	74	-50%	-60%	0.7%
Total	49,909	-6.6%	-1.9%	100%	9,879	-26.1%	-33.6%	100%

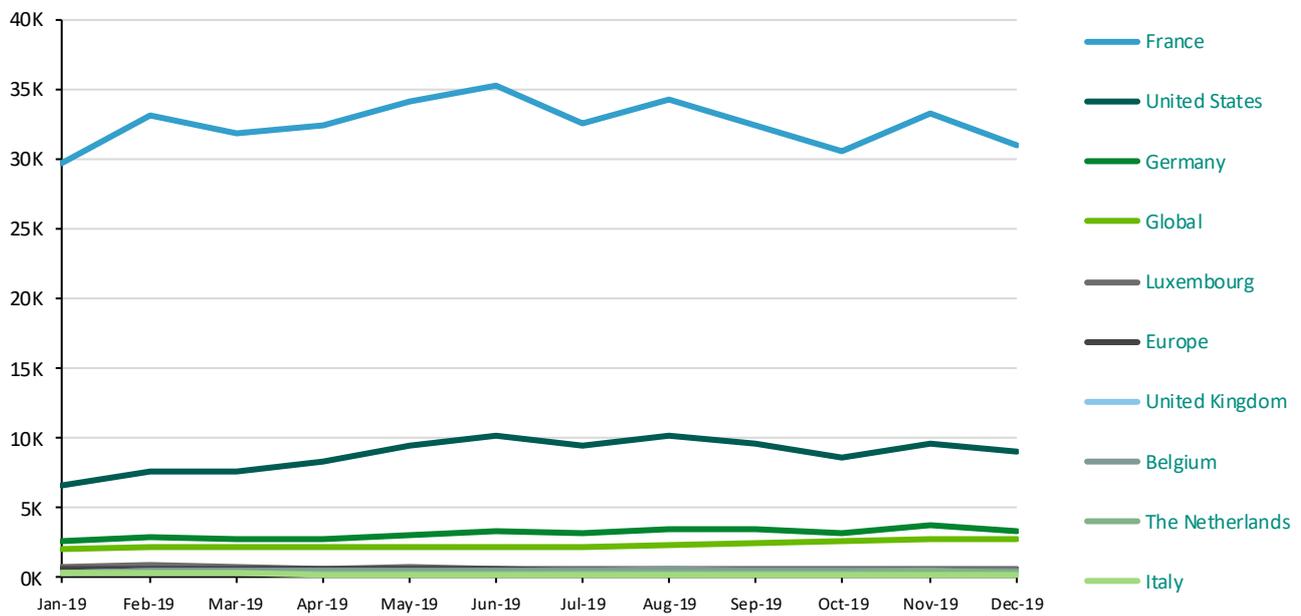
(Source Euronext)



TOP 10 UNDERLYING COUNTRIES

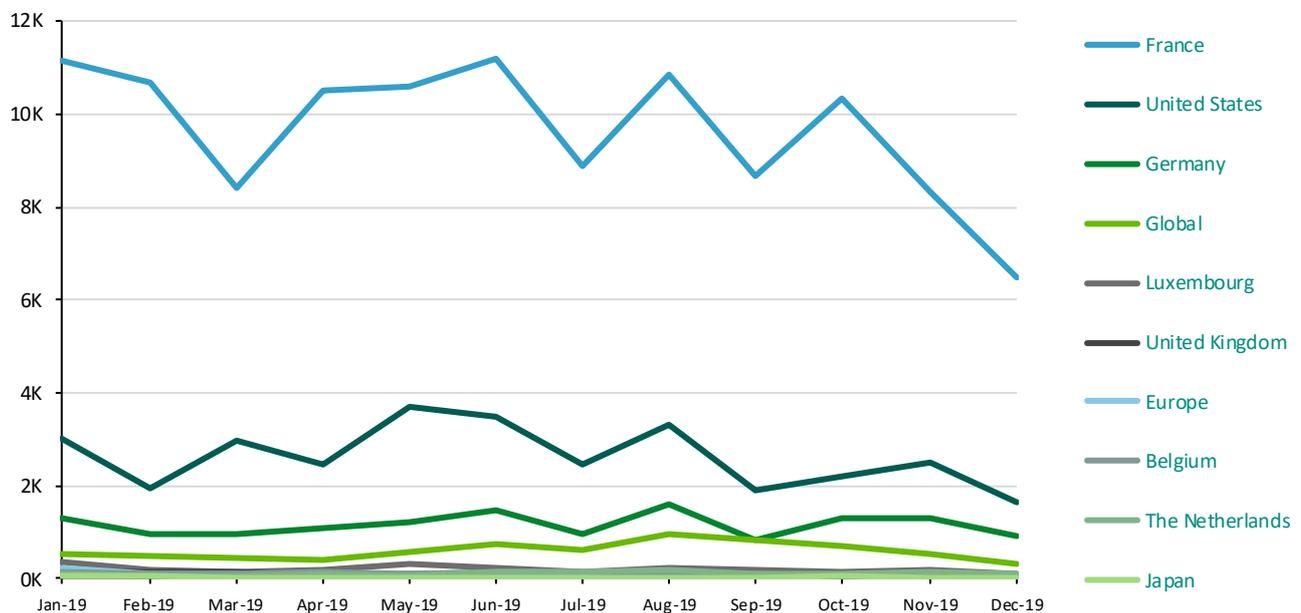
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each underlying country of origin on Euronext Paris.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each underlying country of origin on Euronext Paris.



TOP 10 UNDERLYINGS

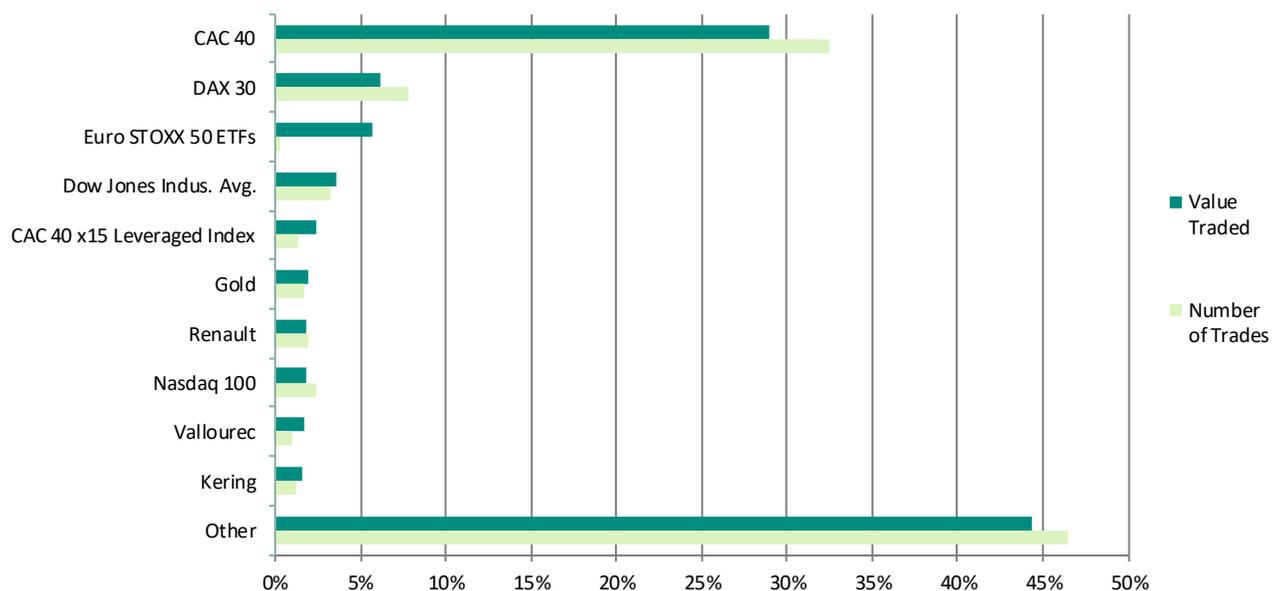
Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of Euronext Paris.

The chart at the bottom of the page represents the weight of each of the top 10 underlyings in terms of value traded and number of trades.

Underlyings	Value Traded				Number of Trades			
	Daily average (in €k)	Month on month	vs. Last 12 months	Market share	Daily average	Month on month	vs. Last 12 months	Market share
CAC 40	3,449	11.1%	-2.3%	28.9%	1,466	10.8%	-3.5%	32.5%
DAX 30	736	14.4%	-3.4%	6.2%	353	10.8%	-0.1%	7.8%
Euro STOXX 50 ETFs	674	-16.1%	-38%	5.6%	15	16.8%	-3.9%	0.3%
Dow Jones Indus. Avg.	428	-4.9%	-24%	3.6%	148	2.3%	-3.9%	3.3%
CAC 40 x15 Leveraged Index	293	23%	18.5%	2.5%	61	30%	0.6%	1.4%
Gold	230	-0.6%	-9.3%	1.9%	79	-13.0%	-13.3%	1.7%
Renault	221	-10.9%	43%	1.9%	86	-22%	22%	1.9%
Nasdaq 100	221	-6.1%	-38%	1.9%	107	-5.7%	-24%	2.4%
Vallourec	201	-22%	70%	1.7%	42	-29%	-19.1%	0.9%
Kering	192	25%	1.7%	1.6%	54	26%	6.7%	1.2%
Other	5,291	4.2%	3.9%	44.3%	2,095	1.3%	-5.1%	46.5%
Total	11,935	4.3%	-3.4%	100%	4,506	4.0%	-4.5%	100%

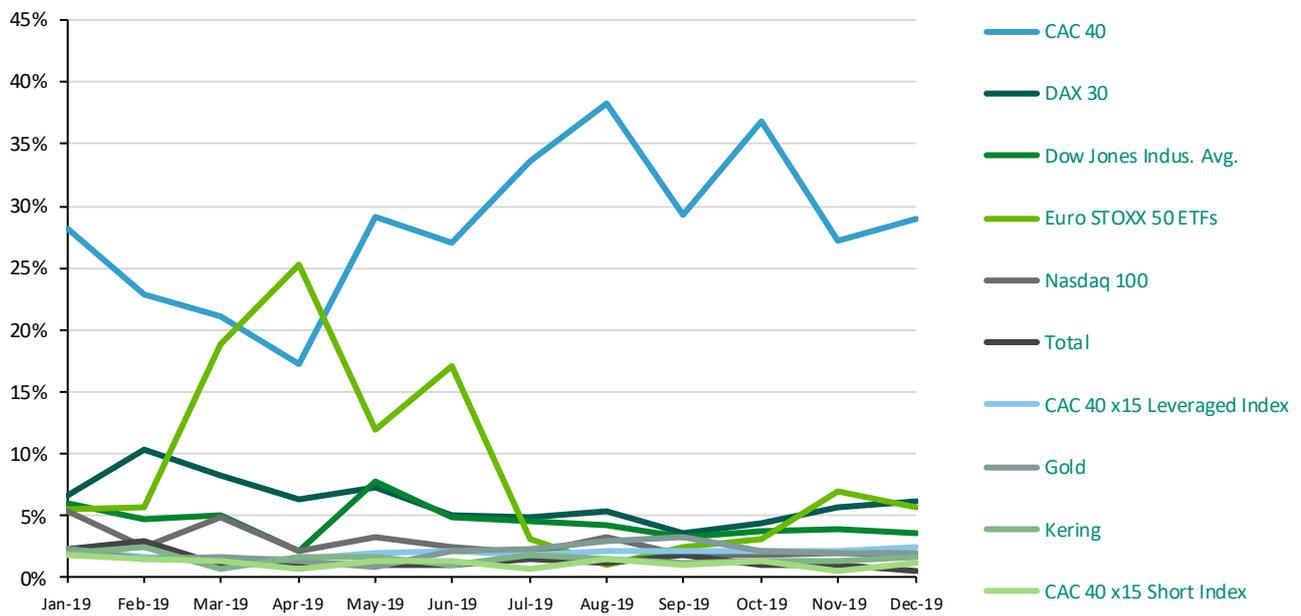
(Source Euronext)



TOP 10 UNDERLYINGS

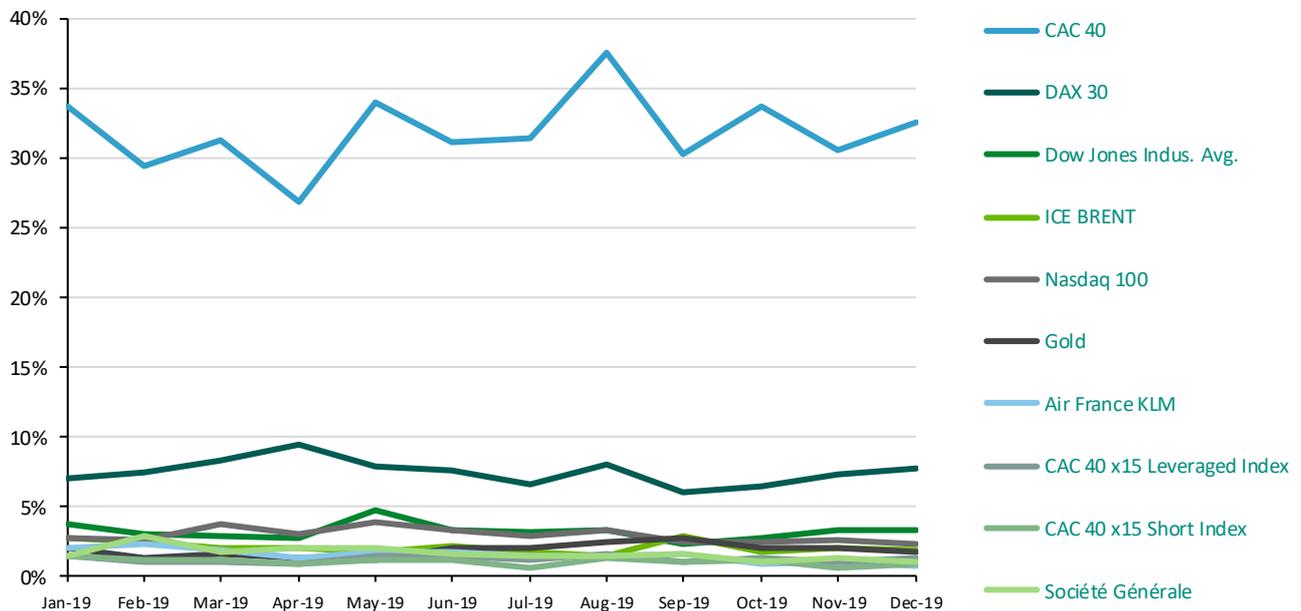
Market Trend: Value traded

The historical graph below displays the weight of the value traded for each top 10 underlying over the total value traded on Euronext Paris.



Market Trend: Number of trades

The historical graph below displays the weight of the number of trades of each top 10 underlying over the total number of trades on Euronext Paris.



TOP 10 UNDERLYINGS

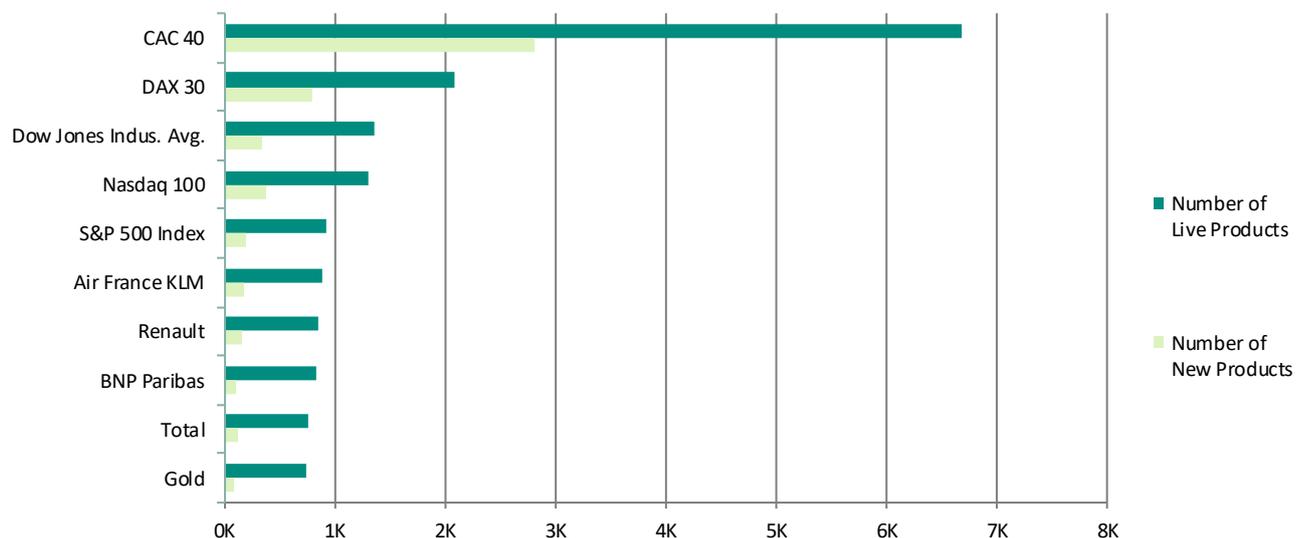
Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris for the top 10 underlyings, as well as the variation over the previous month, over the last 12 months' monthly average and the weight of each of the top 10 underlyings over the total of Euronext Paris.

The chart at the bottom of the page represents the number of live products and number of new products for each top 10 underlying.

Underlyings	Number of Live Products				Number of New Products			
	Daily average	Month on month	vs. Last 12 months	Market share	This month	Month on month	vs. Last 12 months	Market share
CAC 40	6,680	-3.5%	0.9%	13.4%	2,808	-17.4%	-19.4%	28.4%
DAX 30	2,086	-8.2%	14.8%	4.2%	803	-28%	-7.8%	8.1%
Dow Jones Indus. Avg.	1,365	-5.2%	7.7%	2.7%	347	-50%	-35%	3.5%
Nasdaq 100	1,298	-2.1%	12.3%	2.6%	378	-27%	-21%	3.8%
S&P 500 Index	916	-1.2%	4.2%	1.8%	187	-39%	-33%	1.9%
Air France KLM	883	-9.2%	-11.9%	1.8%	182	-32%	-49%	1.8%
Renault	842	-4.6%	-4.4%	1.7%	168	-41%	-37%	1.7%
BNP Paribas	838	-8.6%	-8.9%	1.7%	113	-54%	-55%	1.1%
Total	757	-8.5%	-3.6%	1.5%	131	-15.5%	-39%	1.3%
Gold	747	-5.8%	7.9%	1.5%	83	-22%	-53%	0.8%
Other	33,497	-7.4%	-3.8%	67.1%	4,679	-25%	-41%	47.4%
Total	49,909	-6.6%	-1.9%	100%	9,879	-26.1%	-33.6%	100%

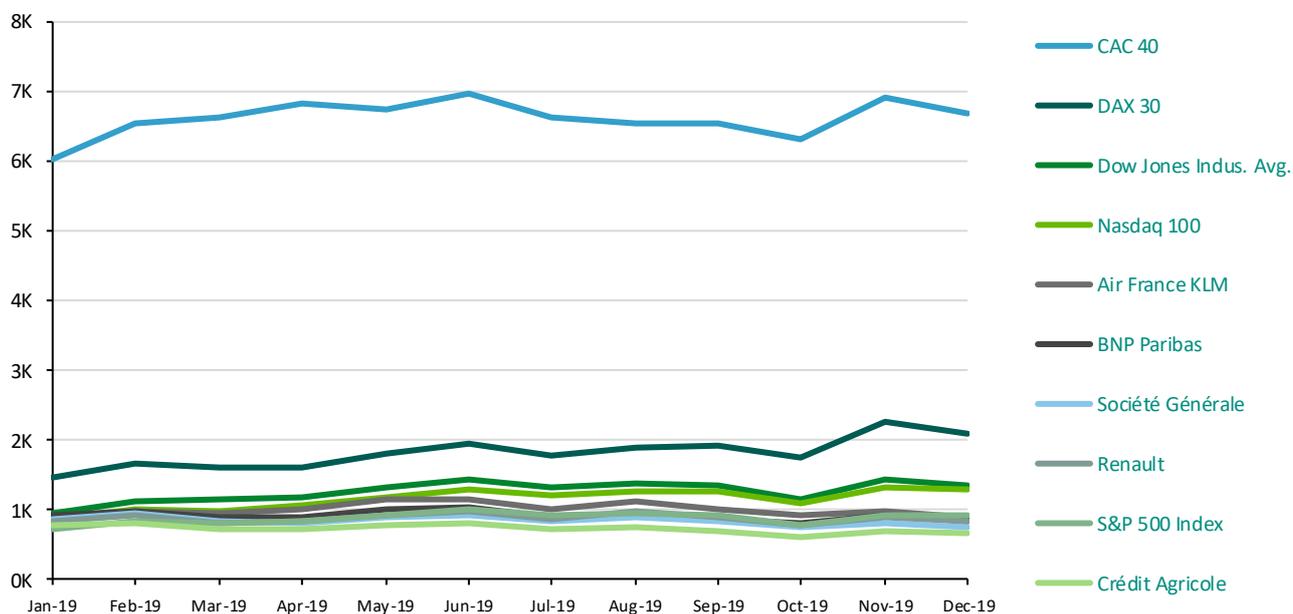
(Source Euronext)



TOP 10 UNDERLYINGS

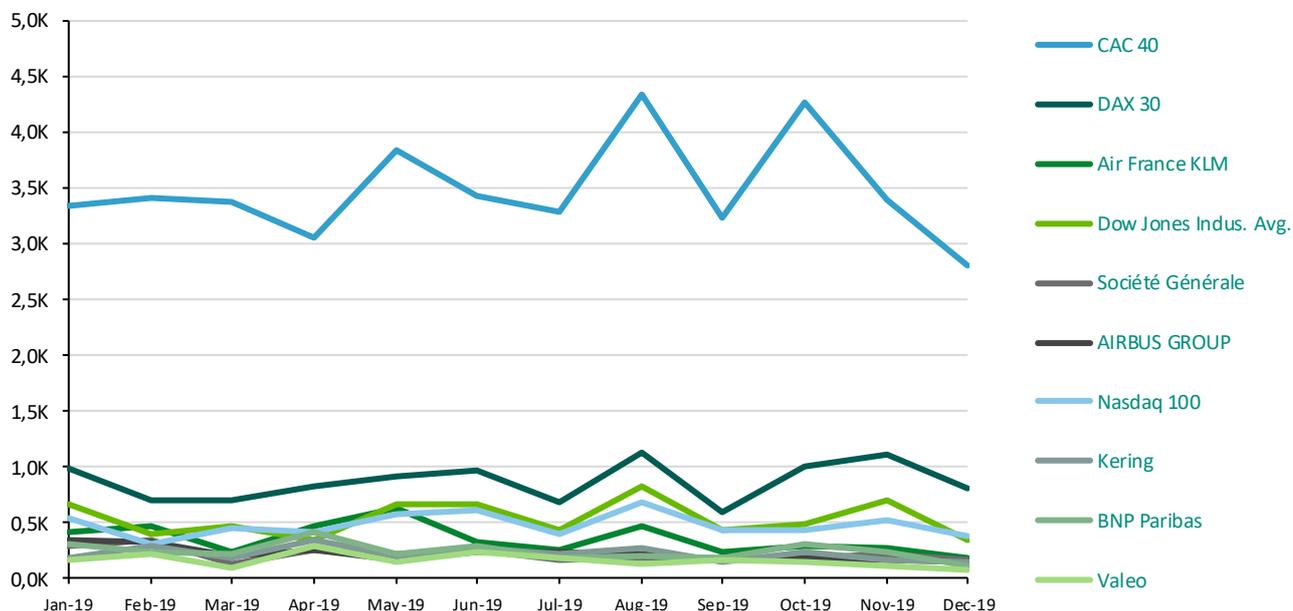
Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each top 10 underlying on Euronext Paris.



Product Trend: Number of New Products

The historical graph below displays the monthly number of new products for each top 10 underlying on Euronext Paris.



TOP 50 TRADED PRODUCTS

Top 50 traded products

The table below displays the 50 most traded products (in terms of value traded) on Euronext Paris.

ISIN Code	Issuer	Product Type	Underlying	Value Traded (in €k)	Nb of Trades
NL0012969174	BNP Paribas	2100 Warrants	Euro STOXX 50 ETFs	10,895	83
DE000CD5NZY1	Commerzbank	2300 Constant Leverage Certificate	CAC 40	2,758	670
FR0013217940	Société Générale	2300 Constant Leverage Certificate	CAC 40 x15 Leveraged Index	2,423	322
FR0013188612	Société Générale	2300 Constant Leverage Certificate	CAC 40 x15 Leveraged Index	2,273	357
FR0010511535	Société Générale	1300 Tracker Certificates	Brent	2,014	115
LU1815432486	Société Générale	1300 Tracker Certificates	CAC 40 x15 Short Index	1,656	500
FR0013408291	Commerzbank	1250 Capped Bonus Certificates	Vallourec	1,372	22
LU1815432056	Société Générale	1300 Tracker Certificates	CAC 40 x10 Short Index	1,368	205
LU1946368492	Société Générale	2100 Warrants	Intel	1,314	78
FRBNPP017SU6	BNP Paribas	2210 Mini-Futures	CAC 40	1,217	13
FRBNPP00WU26	BNP Paribas	2210 Mini-Futures	CAC 40	1,140	8
LU1937802616	Société Générale	2210 Mini-Futures	CAC 40	1,063	222
FR0013101565	Société Générale	2300 Constant Leverage Certificate	CAC 40 x10 Leveraged Index	1,056	128
DE000CJ5BRD1	Commerzbank	2210 Mini-Futures	Kering	1,047	30
FRBNPP017N65	BNP Paribas	2210 Mini-Futures	CAC 40	985	18
DE000CU15504	Commerzbank	2300 Constant Leverage Certificate	CAC 40	971	396
NL0013348725	BNP Paribas	2100 Warrants	CAC 40	961	67
DE000CU12XF5	Commerzbank	2210 Mini-Futures	Ipsen	944	544
FRBNPP0195X3	BNP Paribas	2200 Knock-Out Warrants	CAC 40	859	55
FRBNPP017N08	BNP Paribas	2200 Knock-Out Warrants	Dow Jones Indus. Avg.	836	20
FR0010961078	Société Générale	2300 Constant Leverage Certificate	CAC 40 x5 Leveraged Index	823	100
NL0006191470	BNP Paribas	1300 Tracker Certificates	Precious Metals Basket	817	29
NL0012969166	BNP Paribas	2100 Warrants	Euro STOXX 50 ETFs	762	43
LU2024205671	Société Générale	2210 Mini-Futures	CAC 40	709	19
LU1555074977	Société Générale	2300 Constant Leverage Certificate	CAC 40 x15 Leveraged Index	681	307
FR0010673350	Société Générale	1300 Tracker Certificates	Gold	680	67
FRBNPP016XS2	BNP Paribas	2210 Mini-Futures	Wirecard	667	20
DE000KA2UG42	Citi	2300 Constant Leverage Certificate	CAC 40 x15 Short Index	660	114
NL0013678535	BNP Paribas	2100 Warrants	Euro STOXX 50 ETFs	645	27
DE000VE4ZV52	Vontobel	2200 Knock-Out Warrants	CAC 40	609	138
FRBNPP016505	BNP Paribas	1250 Capped Bonus Certificates	CAC 40	606	3
DE000VE14RF7	Vontobel	2200 Knock-Out Warrants	Gold	582	10
FRBNPP017PG1	BNP Paribas	2210 Mini-Futures	Palladium	558	486
DE000CU37N95	Commerzbank	2200 Knock-Out Warrants	Legrand	555	102
DE000CP7GKS1	Citi	2205 Open-End Knock-Out Warrants	CAC 40	537	133
DE000KA5GUT9	Citi	2200 Knock-Out Warrants	CAC 40	533	45
LU1815432130	Société Générale	1300 Tracker Certificates	CAC 40 x12 Short Index	531	142
LU1988526866	Société Générale	2100 Warrants	Danone	528	98
FRBNPP0165P2	BNP Paribas	1250 Capped Bonus Certificates	CAC 40	519	15
FRBNPP015FF8	BNP Paribas	2200 Knock-Out Warrants	CAC 40	504	77
FR0011630474	Société Générale	1300 Tracker Certificates	Investir 10 - Grandes Val	494	64
FR0011119395	Société Générale	2300 Constant Leverage Certificate	CAC 40 x7 Leveraged Index	478	67
DE000KA5GUR3	Citi	2200 Knock-Out Warrants	CAC 40	477	36
FRBNPP009419	BNP Paribas	2210 Mini-Futures	Axa	474	136
FR0013426301	Commerzbank	1250 Capped Bonus Certificates	CAC 40	474	6
DE000CL1HDS1	Commerzbank	2205 Open-End Knock-Out Warrants	CAC 40	462	51
FRBNPP0182N2	BNP Paribas	2200 Knock-Out Warrants	Dow Jones Indus. Avg.	460	9
DE000CU38T80	Commerzbank	2205 Open-End Knock-Out Warrants	CAC 40	456	133
LU2013366518	Société Générale	2100 Warrants	Baidu	451	32
DE000VE2Z227	Vontobel	2200 Knock-Out Warrants	DAX 30	441	122

(Source Euronext)

PARIS REAL ESTATE FUTURES CONTRACT



EURONEXT FUTURES CONTRACT ON PARIS RESIDENTIAL REAL ESTATE

Euronext's futures contract on real estate proposes an innovative, alternative solution for investors seeking exposure to the Paris real estate market without the constraints of physical investment.

The contract is based on the PARISSQM index, a new reference price for Paris Residential Real Estate, created by Compass Financial Technologies and Kalstone, which has been live since May 2018.

Based solely on real transaction data, the index is published every two weeks with a six-week lag and quoted in euro per square metre.

The Compass Kalstone Paris Residential Property Index has been designed to provide a responsive and consistent benchmark for typical transacted prices in the residential real estate market.

ABOUT THE INDEX

- The first investable benchmark to replicate the evolution of Paris real estate housing prices
- Based on a proprietary methodology using central tendency, stratification and noise filtering techniques
- Published every two weeks with a lag of six weeks. Index value represents the observed transacted price per square metre over the specific two-week period.
- The first pure proxy index (per square metre in euro) for the residential real estate market in Paris; based on real transaction data reported by the Paris Notaires Services*
- More than 10 years data history collected and price evolution available on Bloomberg and Reuters.
- Compass Kalstone is a complementary partnership between financial indices expert Compass and real estate and finance solution provider Kalstone.

BENEFITS OF THE PARIS REAL ESTATE FUTURES CONTRACT FOR USERS:

- Develop a flexible and efficient strategy to diversify property or trading portfolios.
- Hedge portfolio price risks with real estate futures
- The index reflects exact actual transactions, allowing investors to have accurate exposure to the real estate market, in a price per square metre
- Counterparty risk mitigation through LCH SA
- Cost efficiency: eliminates the constraints of a physical investment (no public notary required) and much lower capital requirements
- Transparency and liquidity: real-time quotation throughout market opening hours
- Financial leverage and flexibility
- Benefit from movements in housing prices

Find out more

To find out more about the Paris real estate futures contract, contact the Euronext Commodities team at:

commodities@euronext.com

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* All property transactions in France must be made through a 'notaire', a legal specialist who is a public official acting on behalf of the French state.

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