



warrants and certificates

# Activity report

Issue 102  
January 2020

## Contents

### **05 Euronext Markets**

06	Issuers
10	Product types (EUSIPA categorization level 2)
14	Product types (EUSIPA categorization level 3)
18	Product strategies
22	Underlying types
26	Top 10 underlyings countries
30	Top 10 underlyings
34	Top 50 traded products

### **35 Euronext Amsterdam**

36	Issuers
40	Product types (EUSIPA categorization level 2)
44	Product types (EUSIPA categorization level 3)
48	Product strategies
52	Underlying types
56	Top 10 underlyings countries
60	Top 10 underlyings
64	Top 50 traded products

### **65 Euronext Brussels**

66	Issuers
70	Product types (EUSIPA categorization level 2)
74	Product types (EUSIPA categorization level 3)
78	Product strategies
82	Underlying types
86	Top 10 underlyings countries
90	Top 10 underlyings
94	Top 50 traded products

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## Contents

### 95 Euronext Lisbon

96	Issuers
100	Product types (EUSIPA categorization level 2)
104	Product types (EUSIPA categorization level 3)
108	Product strategies
112	Underlying types
116	Top 10 underlyings countries
120	Top 10 underlyings
124	Top 50 traded products

### 125 Euronext Paris

126	Issuers
130	Product types (EUSIPA categorization level 2)
134	Product types (EUSIPA categorization level 3)
138	Product strategies
142	Underlying types
146	Top 10 underlyings countries
150	Top 10 underlyings
154	Top 50 traded products

	Euronext Amsterdam	Euronext Brussels	Euronext Lisbon	Euronext Paris	Euronext
Live products (on 31/01/2020)	25,292	835	1,413	47,323	<b>74,862</b>
New Products	7,486	177	255	21,968	<b>29,886</b>
New Products YTD	7,486	177	255	21,968	<b>29,886</b>
Value Traded (in €m)	508.0	9.2	163.4	359.1	<b>1,039.7</b>
Value Traded YTD (in €m)	508.0	9.2	163.4	359.1	<b>1,039.7</b>
Value Traded ADV (in €m)	23.1	0.4	7.4	16.3	<b>47.3</b>
Value Traded YTD ADV (in €m)	23.1	0.4	7.4	16.3	<b>47.3</b>
Number of Trades	180,374	4,865	13,630	132,426	<b>331,295</b>
Number of Trades YTD	180,374	4,865	13,630	132,426	<b>331,295</b>
Number of Trades ADV	8,199	221	620	6,019	<b>15,059</b>
Number of Trades YTD ADV	8,199	221	620	6,019	<b>15,059</b>

(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](mailto: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

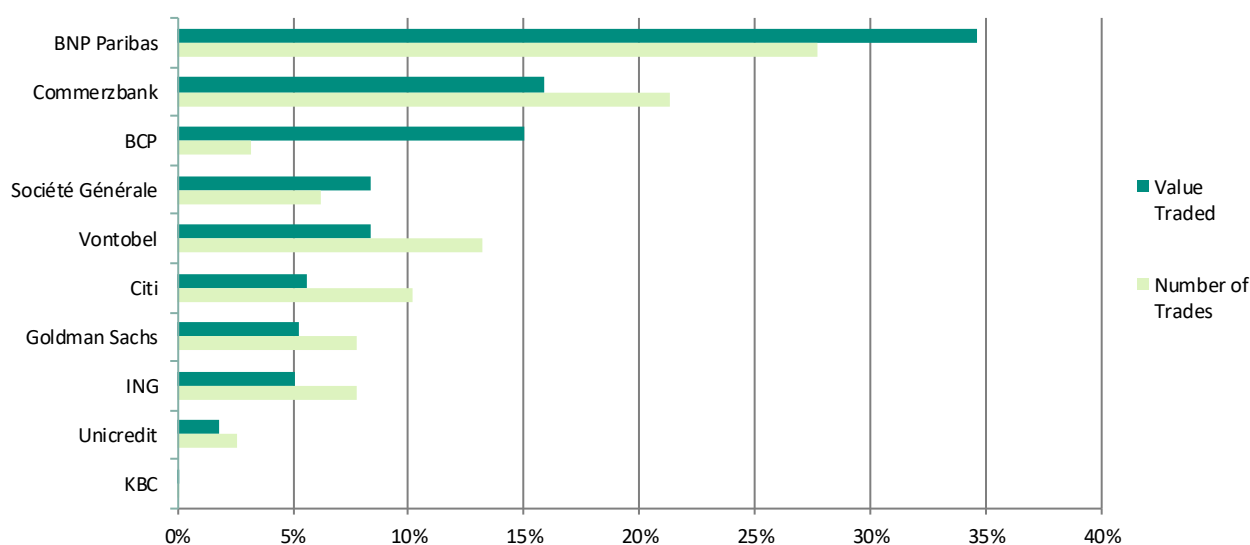
## Market Overview

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	16,386	36%	31%	34.7%	4,181	25.7%	14.5%	27.8%
Commerzbank	7,491	36%	20%	15.9%	3,216	12.5%	8.7%	21.4%
BCP	7,079	34%	29%	15.0%	480	51.3%	33.1%	3.2%
Société Générale	3,971	34%	44%	8.4%	937	26.1%	2.2%	6.2%
Vontobel	3,967	55%	59%	8.4%	1,984	51.5%	44.9%	13.2%
Citi	2,658	57%	21%	5.6%	1,531	59.0%	20.0%	10.2%
Goldman Sachs	2,473	45%	8.6%	5.2%	1,172	133.9%	36.0%	7.8%
ING	2,387	-7.5%	-22%	5.1%	1,174	22.2%	7.2%	7.8%
Unicredit	844	82%	96%	1.8%	386	30.3%	39.3%	2.6%
KBC	3	-99%	-98%	0.0%	0.1	-69.7%	-91.0%	0.0%
<b>Total</b>	<b>47,260</b>	<b>34.7%</b>	<b>25.6%</b>	<b>100%</b>	<b>15,059</b>	<b>33.6%</b>	<b>18.0%</b>	<b>100%</b>

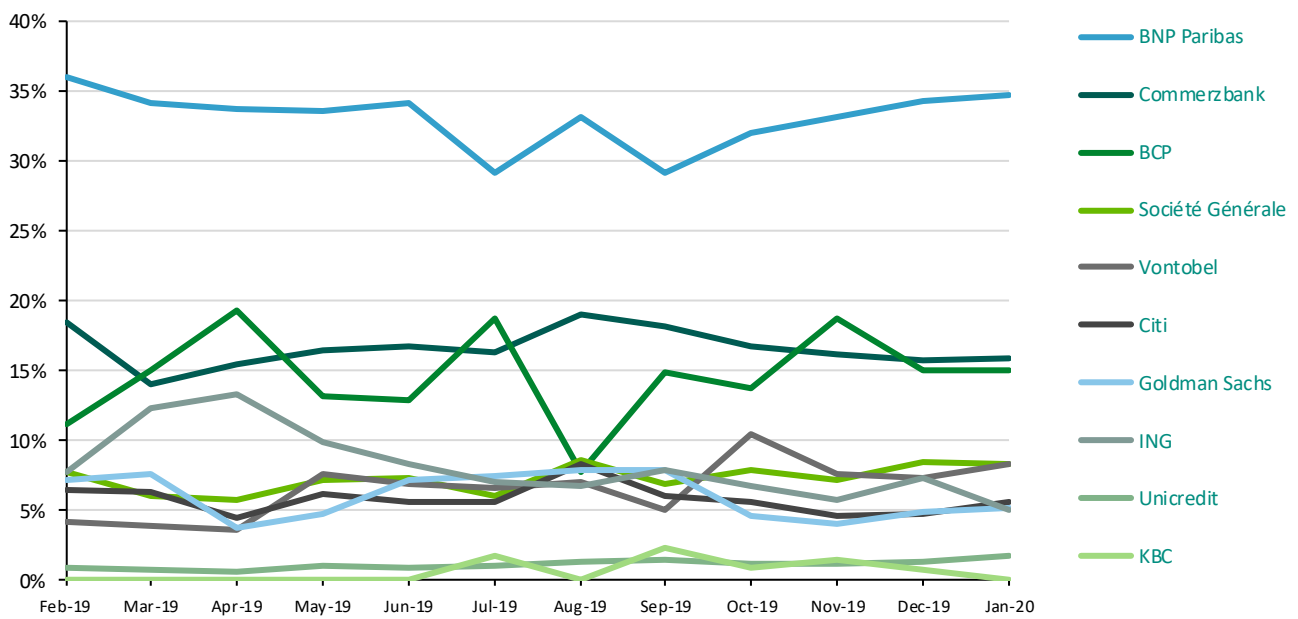
(Source Euronext)



# ISSUERS

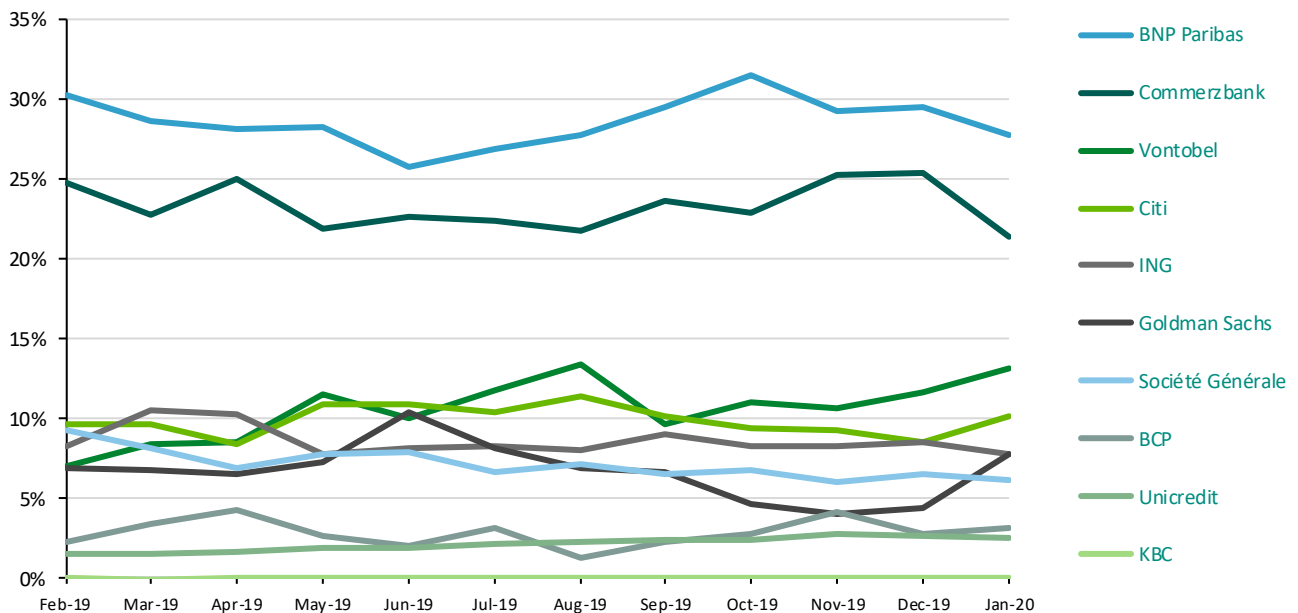
## Market Trend: Value traded

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

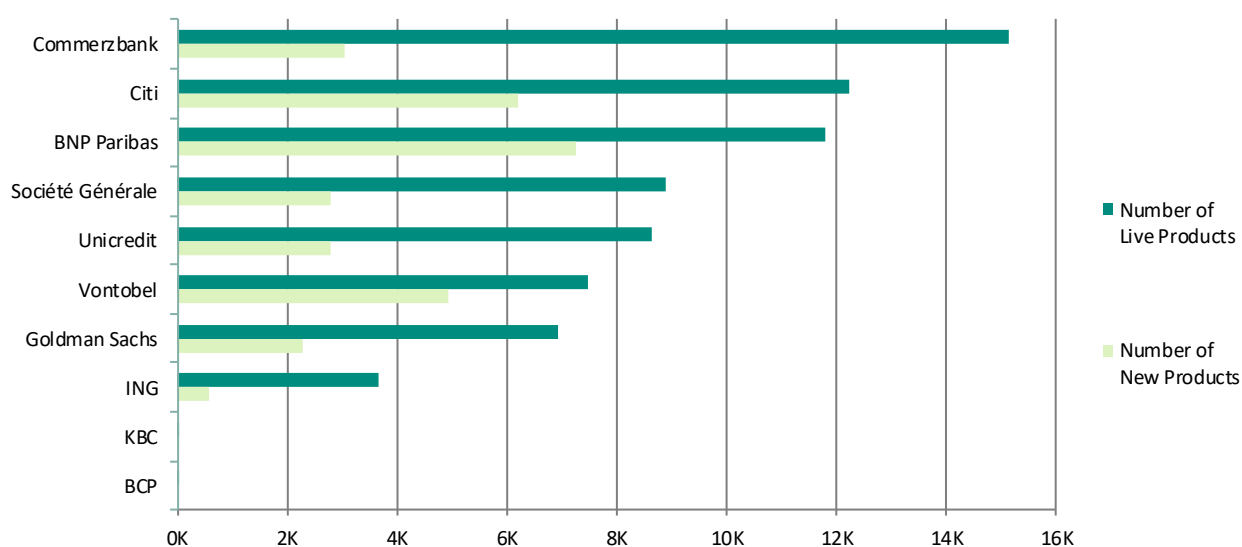
## Product Overview

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	15,157	-3.5%	-1.2%	20.2%	3,043	24%	-3.7%	10.2%
Citi	12,258	-2.2%	-2.1%	16.4%	6,222	226%	68%	20.8%
BNP Paribas	11,803	-12.2%	-15.9%	15.8%	7,263	251%	101%	24.3%
Société Générale	8,892	-6.4%	-13.5%	11.9%	2,773	-6.4%	-17.0%	9.3%
Unicredit	8,657	2.1%	-1.5%	11.6%	2,792	106%	19.7%	9.3%
Vontobel	7,472	8.7%	22%	10.0%	4,925	96%	49%	16.5%
Goldman Sachs	6,921	-5.3%	8.7%	9.2%	2,279	30%	0.2%	7.6%
ING	3,654	-3.4%	6.0%	4.9%	588	42%	17.6%	2.0%
KBC	29	0.5%	6.5%	0.0%	1	-75%	-48%	0.0%
BCP	21	1.3%	-4.1%	0.0%	0			0.0%
<b>Total</b>	<b>74,862</b>	<b>-3.6%</b>	<b>-2.7%</b>	<b>100%</b>	<b>29,886</b>	<b>93.8%</b>	<b>34.5%</b>	<b>100%</b>

(Source Euronext)

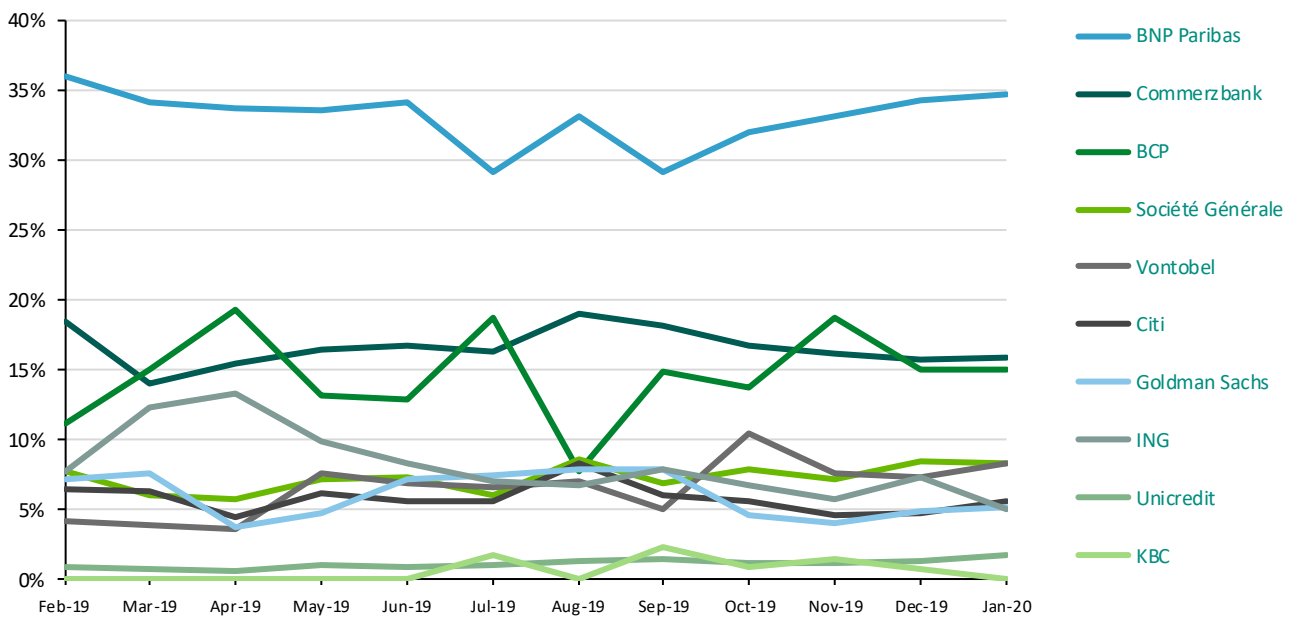




# ISSUERS

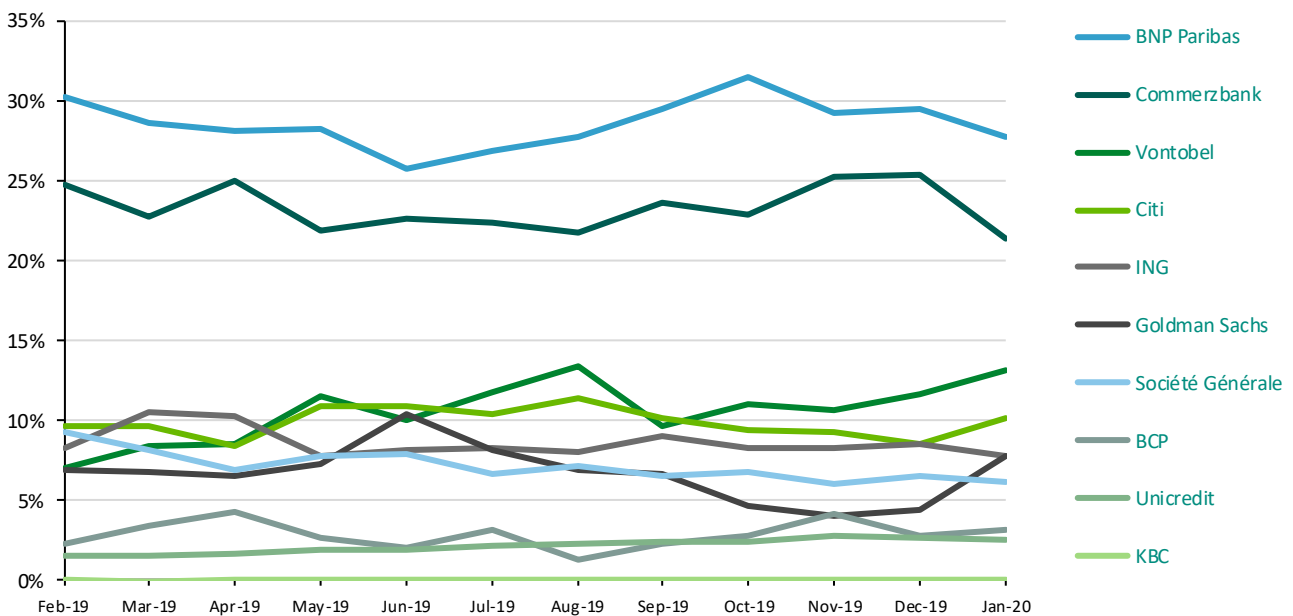
## Product Trend: Number of Live Products

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

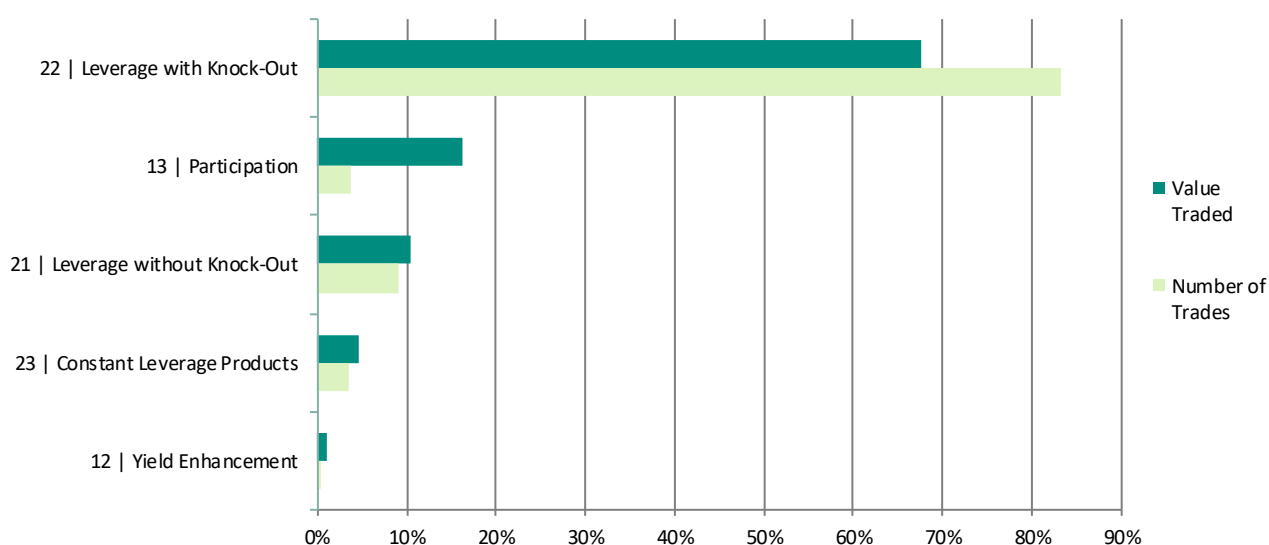
## Market Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per product type (EUSIPA<sup>1</sup> 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	31,970	38%	32%	67.6%	12,524	34.2%	18.7%	83.2%
13   Participation	7,662	33%	29%	16.2%	572	47.3%	30.4%	3.8%
21   Leverage without Knock-Out	4,957	23%	-2.9%	10.5%	1,361	21.3%	6.6%	9.0%
23   Constant Leverage Products	2,155	73%	40%	4.6%	536	44.2%	25.7%	3.6%
12   Yield Enhancement	516	-45%	-32%	1.1%	65	5.8%	-7.9%	0.4%
<b>Total</b>	<b>47,260</b>	<b>34.7%</b>	<b>25.6%</b>	<b>100%</b>	<b>15,059</b>	<b>33.6%</b>	<b>18.0%</b>	<b>100%</b>

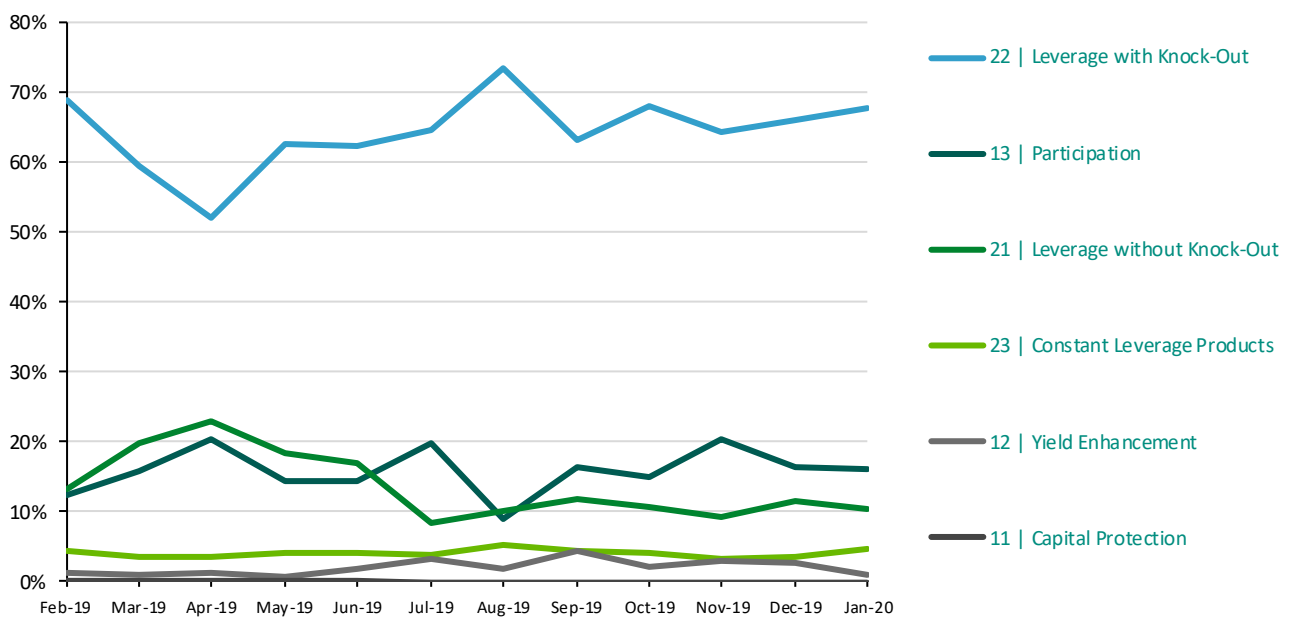
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

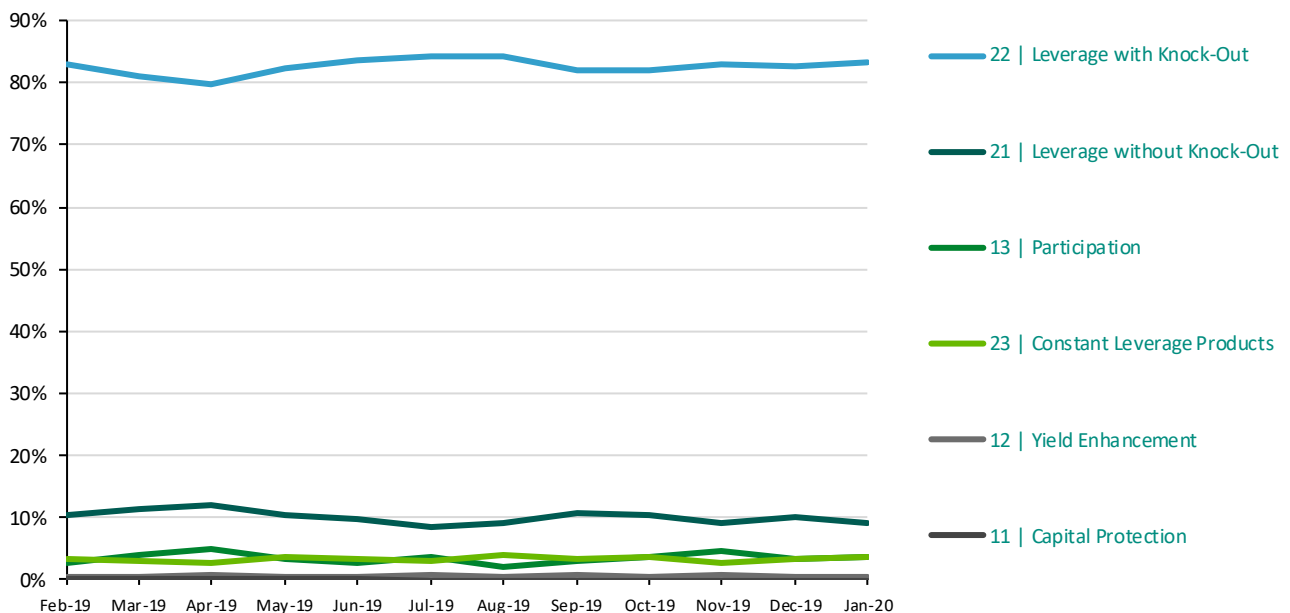
## Market Trend: Value traded

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



## Market Trend: Number of trades

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# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

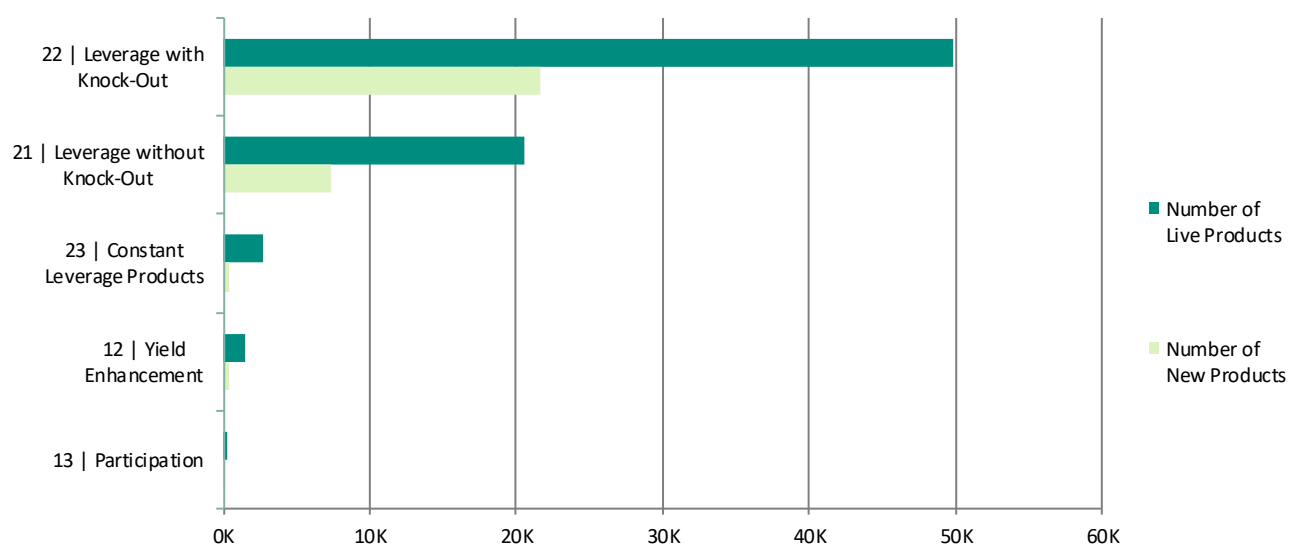
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The table below displays the daily averages of value traded and number of trades across all Euronext markets per product type (EUSIPA<sup>1</sup> categorization level 2), as well as the variation over the previous month, over the last 12 months' monthly 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	49,913	-2.8%	2.4%	66.7%	21,669	65%	23%	72.5%
21   Leverage without Knock-Out	20,511	-4.9%	-14.7%	27.4%	7,335	252%	77%	24.5%
23   Constant Leverage Products	2,712	7.6%	59%	3.6%	430	357%	100%	1.4%
12   Yield Enhancement	1,432	-27%	-35%	1.9%	404	446%	68%	1.4%
13   Participation	295	5.1%	3.8%	0.4%	48	700%	265%	0.2%
<b>Total</b>	<b>74,862</b>	<b>-3.6%</b>	<b>-2.7%</b>	<b>100%</b>	<b>29,886</b>	<b>93.8%</b>	<b>34.5%</b>	<b>100%</b>

(Source Euronext)

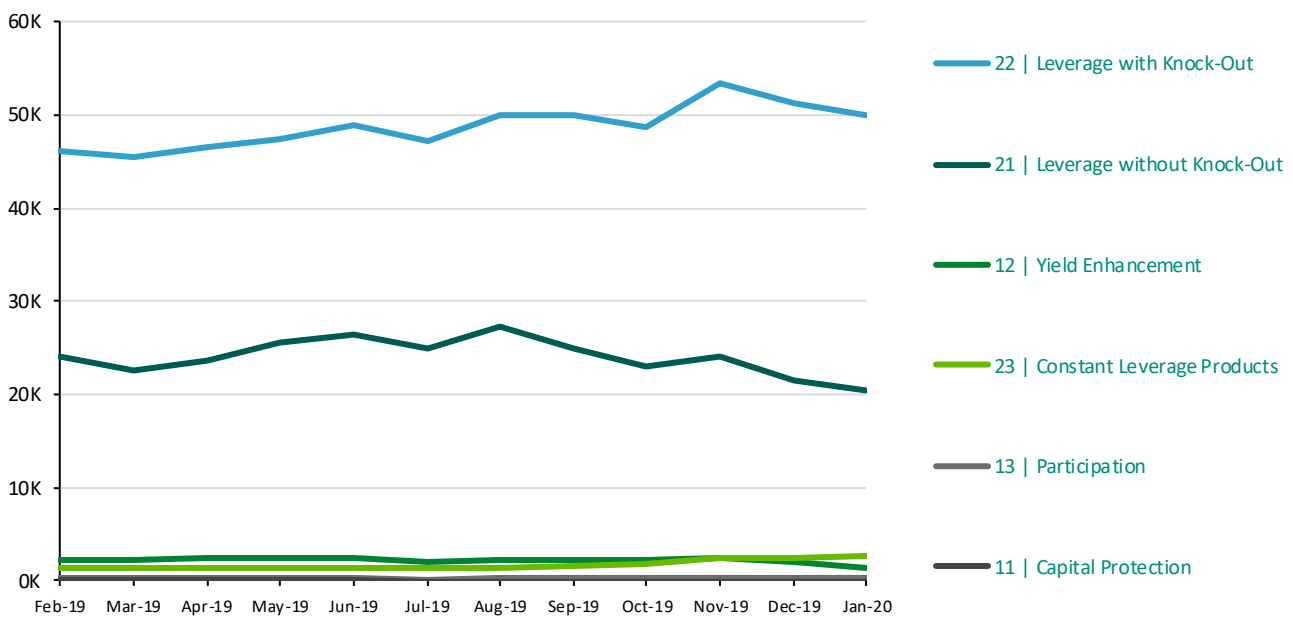




# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

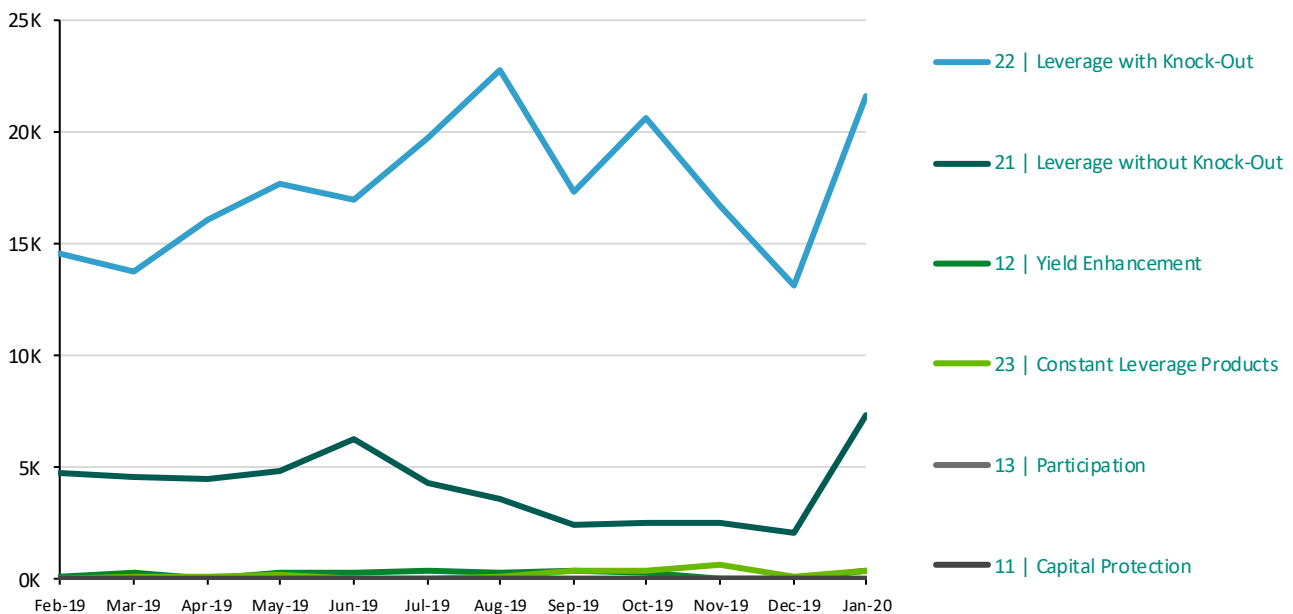
## Product Trend: Number of Live Products

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

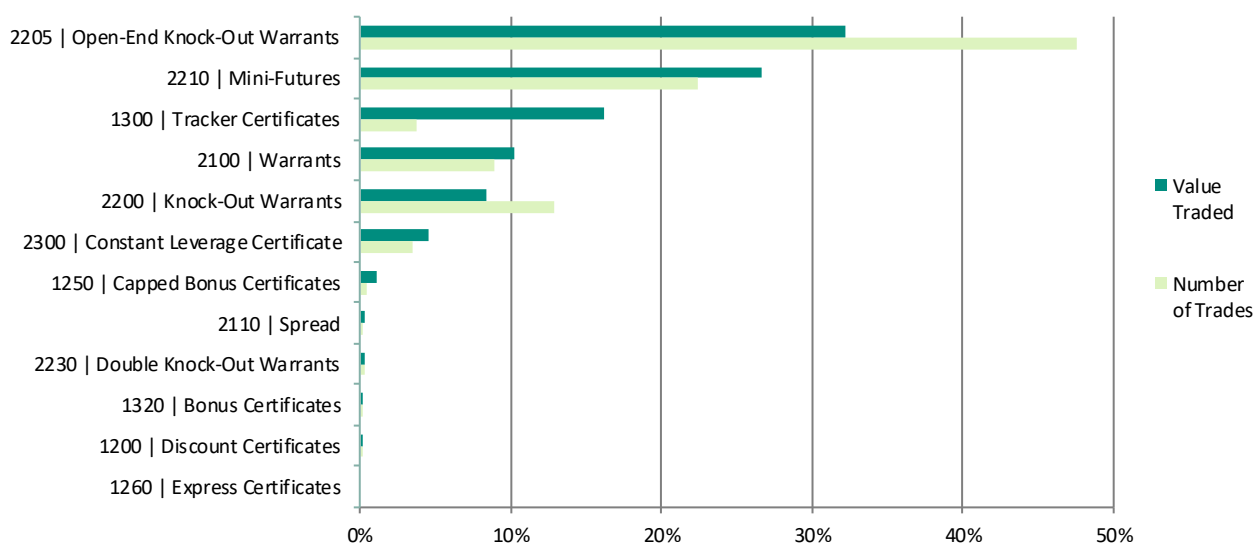
## Market Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per product type (EUSIPA<sup>1</sup> 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	15,266	34%	25%	32.3%	7,164	30.4%	18.5%	47.6%
2210   Mini-Futures	12,585	44%	45%	26.6%	3,382	36%	21%	22.5%
1300   Tracker Certificates	7,649	33%	28%	16.2%	570	47%	30%	3.8%
2100   Warrants	4,827	23%	-4.4%	10.2%	1,341	22%	6.3%	8.9%
2200   Knock-Out Warrants	3,990	40%	23%	8.4%	1,936	50%	16.6%	12.9%
2300   Constant Leverage Certificate	2,155	73%	40%	4.6%	536	44%	26%	3.6%
1250   Capped Bonus Certificates	515	-23%	-3.7%	1.1%	65	6.3%	-6.5%	0.4%
2110   Spread	130	15.1%	129%	0.3%	20	-18.0%	37%	0.1%
2230   Double Knock-Out Warrants	129	-13.5%	-13.9%	0.3%	43	-21%	-3.9%	0.3%
1320   Bonus Certificates	14	548%	51%	0.0%	2.4	129%	9.9%	0.0%
1200   Discount Certificates	1	140%	104%	0.0%	0.3	218%	98%	0.0%
1260   Express Certificates	0	-100%	-100%	0.0%	0.0	-100%	-100%	0.0%
<b>Total</b>	<b>47,260</b>	<b>34.7%</b>	<b>25.6%</b>	<b>100%</b>	<b>15,059</b>	<b>33.6%</b>	<b>18.0%</b>	<b>100%</b>

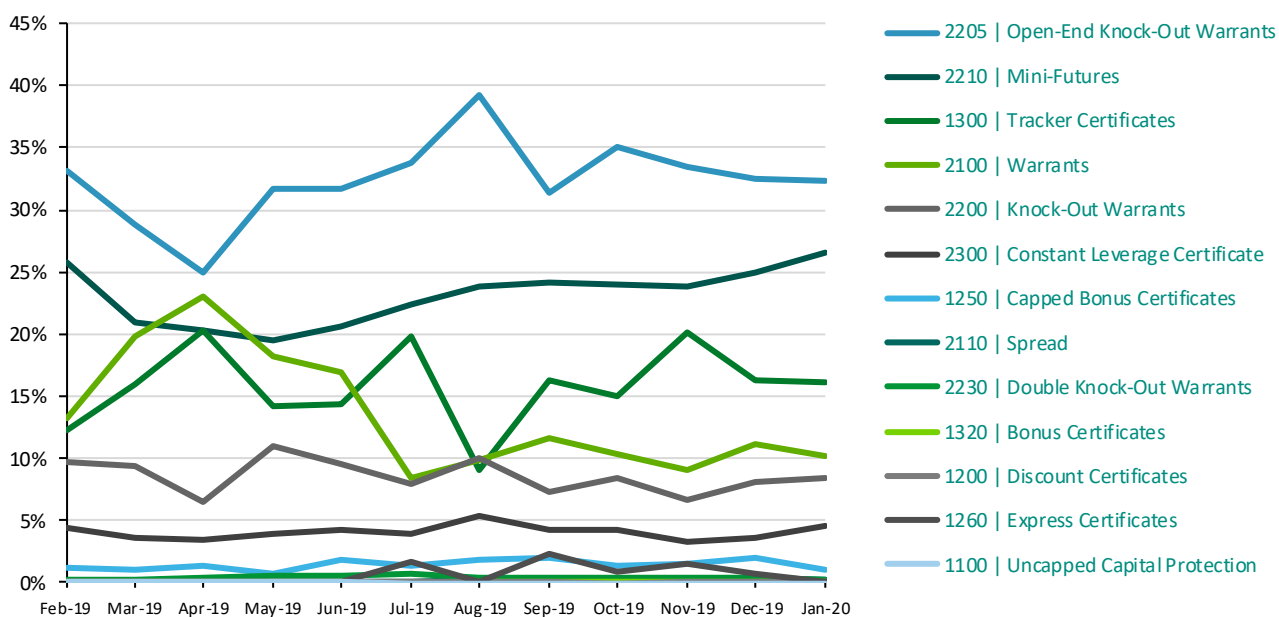
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# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

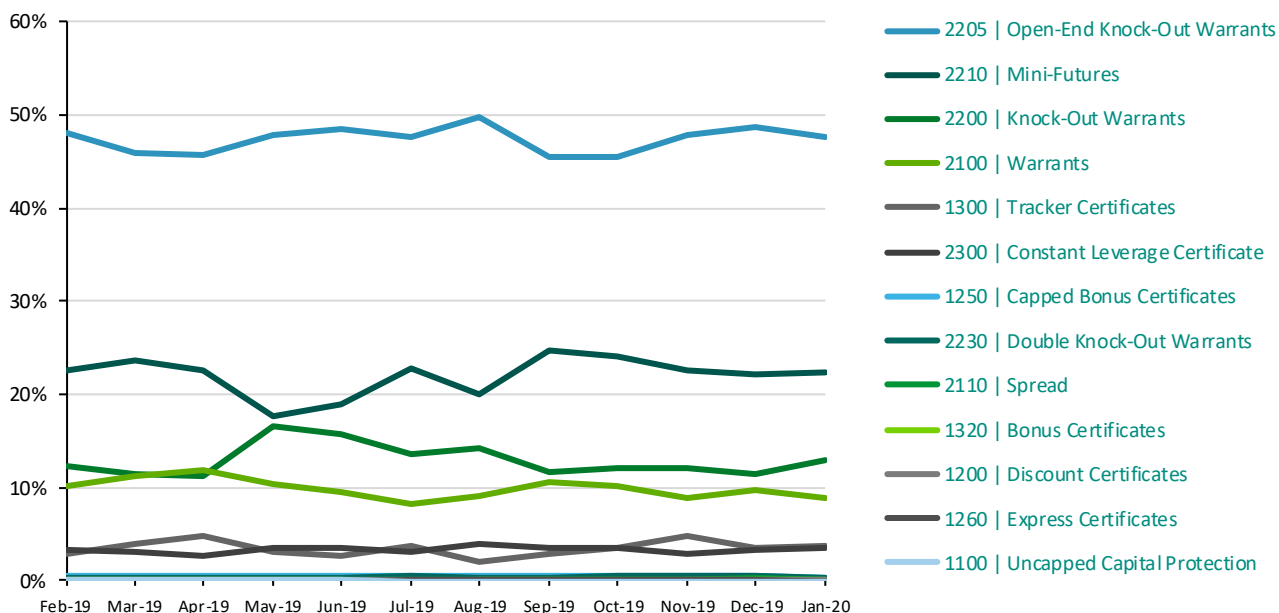
## Market Trend: Value traded

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

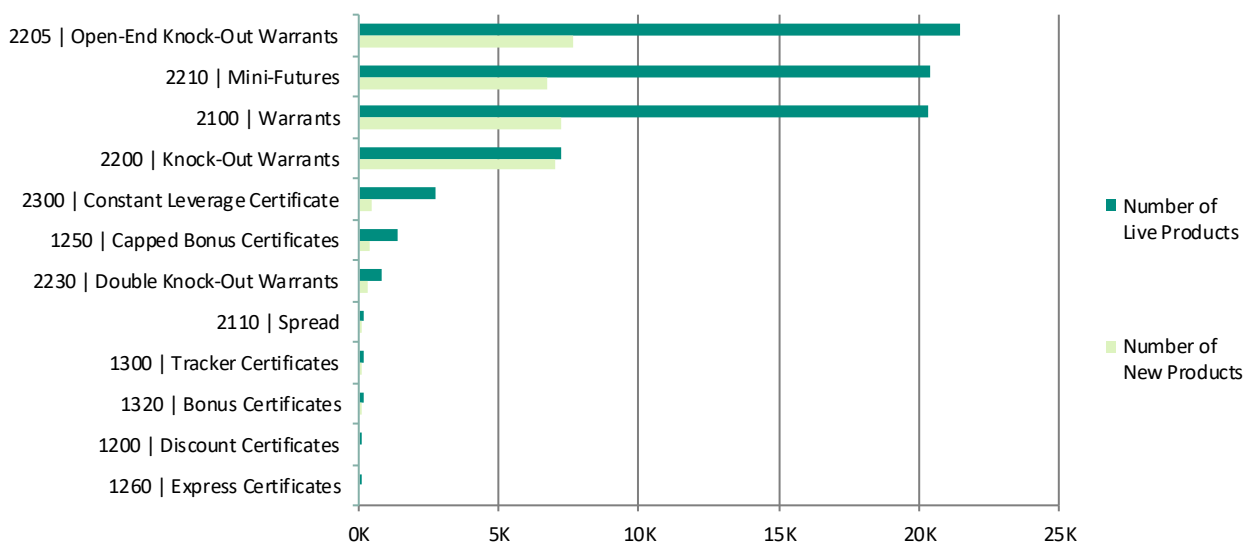
## Product Overview

The table below displays the daily averages of value traded and number of trades across all Euronext markets per product type (EUSIPA<sup>1</sup> 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
2205   Open-End Knock-Out Warrants	21,483	3.4%	9.3%	28.7%	7,636	68%	31%	25.6%
2210   Mini-Futures	20,389	0.2%	4.6%	27.2%	6,700	69%	27%	22.4%
2100   Warrants	20,340	-5.2%	-15.0%	27.2%	7,246	255%	76%	24.2%
2200   Knock-Out Warrants	7,235	-24%	-18.2%	9.7%	7,012	63%	13.0%	23.5%
2300   Constant Leverage Certificate	2,712	7.6%	59%	3.6%	430	357%	100%	1.4%
1250   Capped Bonus Certificates	1,365	-28%	-36%	1.8%	404	NA	76%	1.4%
2230   Double Knock-Out Warrants	806	7.1%	10.7%	1.1%	321	-11.8%	9.4%	1.1%
2110   Spread	171	33%	50%	0.2%	89	128%	250%	0.3%
1300   Tracker Certificates	158	-0.9%	-6.5%	0.2%	1		33%	0.0%
1320   Bonus Certificates	137	13.1%	18.9%	0.2%	47	683%	279%	0.2%
1200   Discount Certificates	56	7.3%	-8.1%	0.1%	0	-100%	-100%	0.0%
1260   Express Certificates	11	33%	132%	0.0%	0	-100%	-100%	0.0%
<b>Total</b>	<b>74,862</b>	<b>-3.6%</b>	<b>-2.7%</b>	<b>100%</b>	<b>29,886</b>	<b>93.8%</b>	<b>34.5%</b>	<b>100%</b>

(Source Euronext)

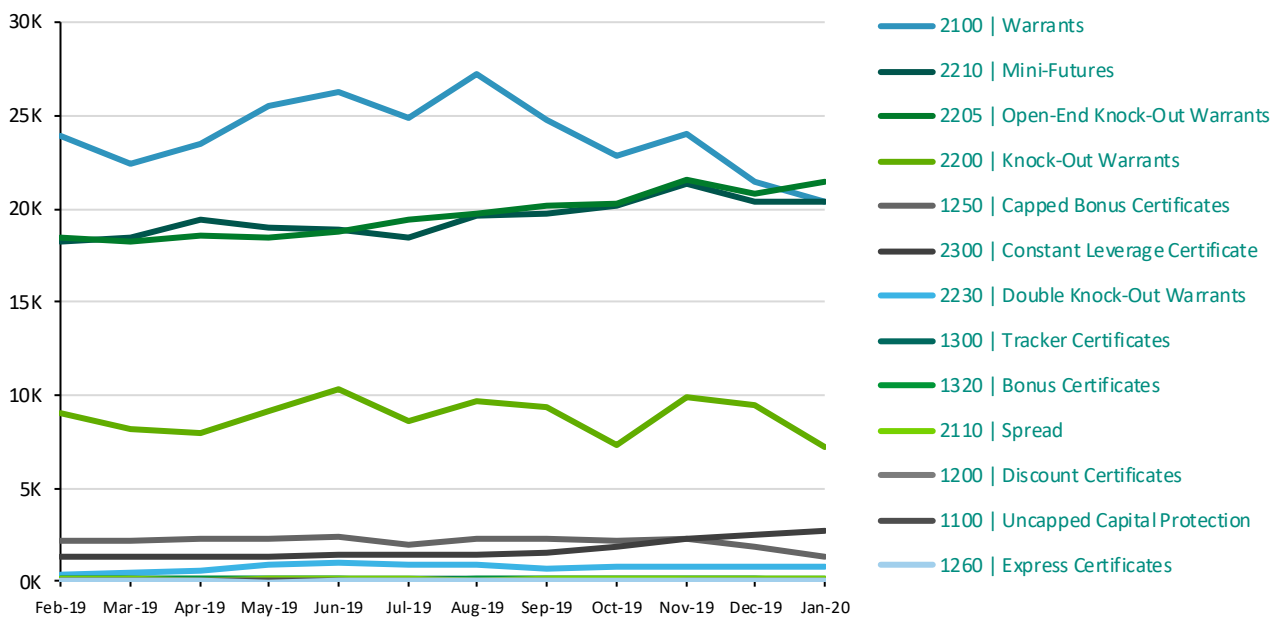




# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

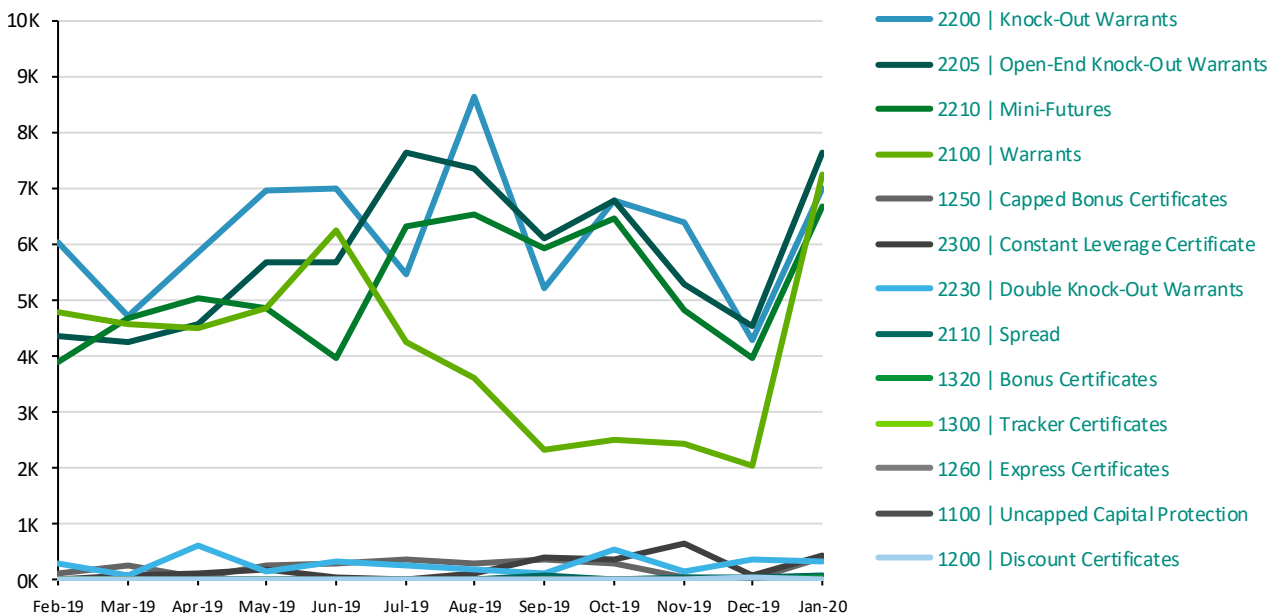
## Product Trend: Number of Live Products

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

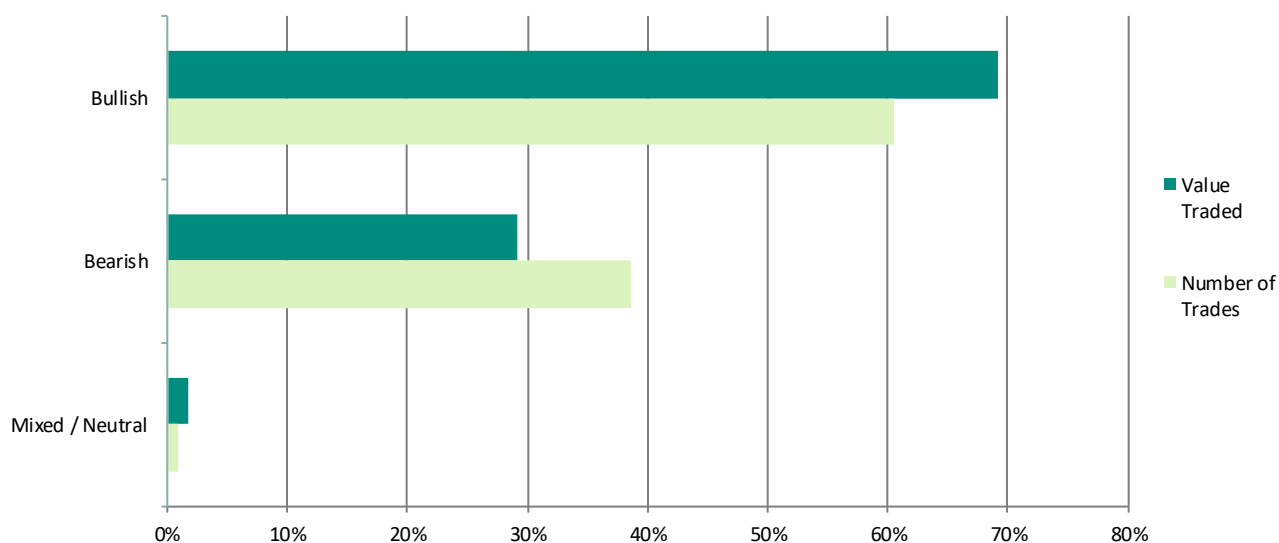
## Market Overview

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	32,702	30%	23%	69.2%	9,127	32.1%	16.5%	60.6%
Bearish	13,774	53%	35%	29.1%	5,804	37%	21%	38.5%
Mixed / Neutral	784	-21%	4.0%	1.7%	128	-9.0%	-1.2%	0.9%
Total	47,260	34.7%	25.6%	100%	15,059	33.6%	18.0%	100%

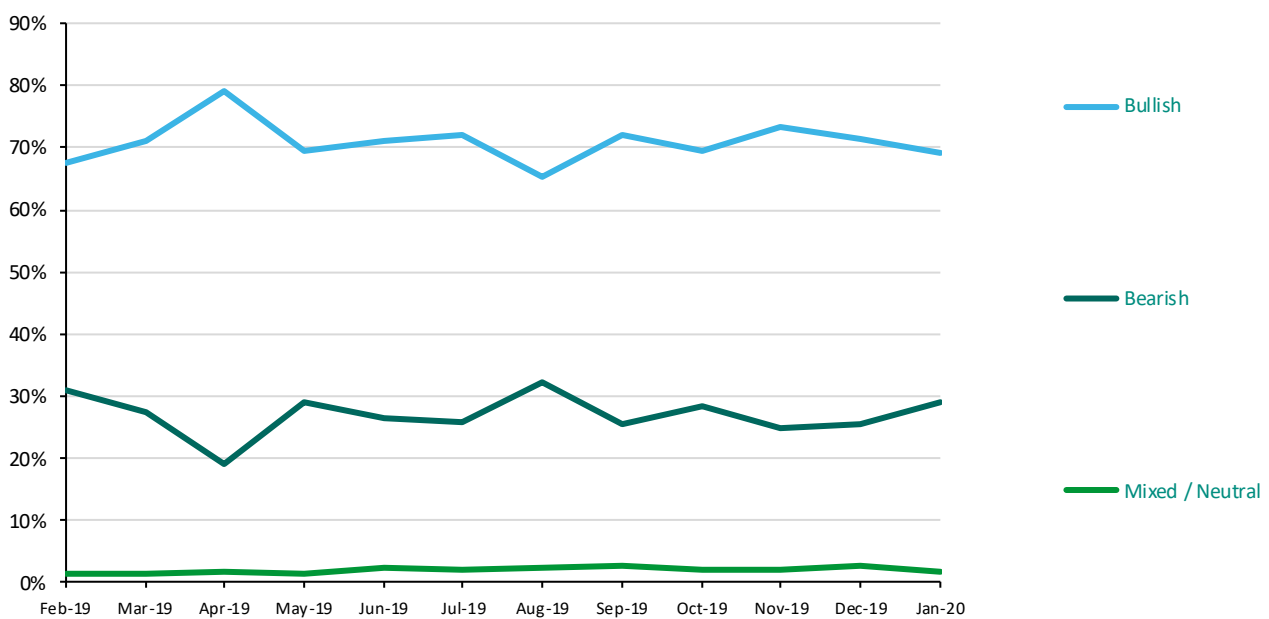
(Source Euronext)



# PRODUCT STRATEGIES

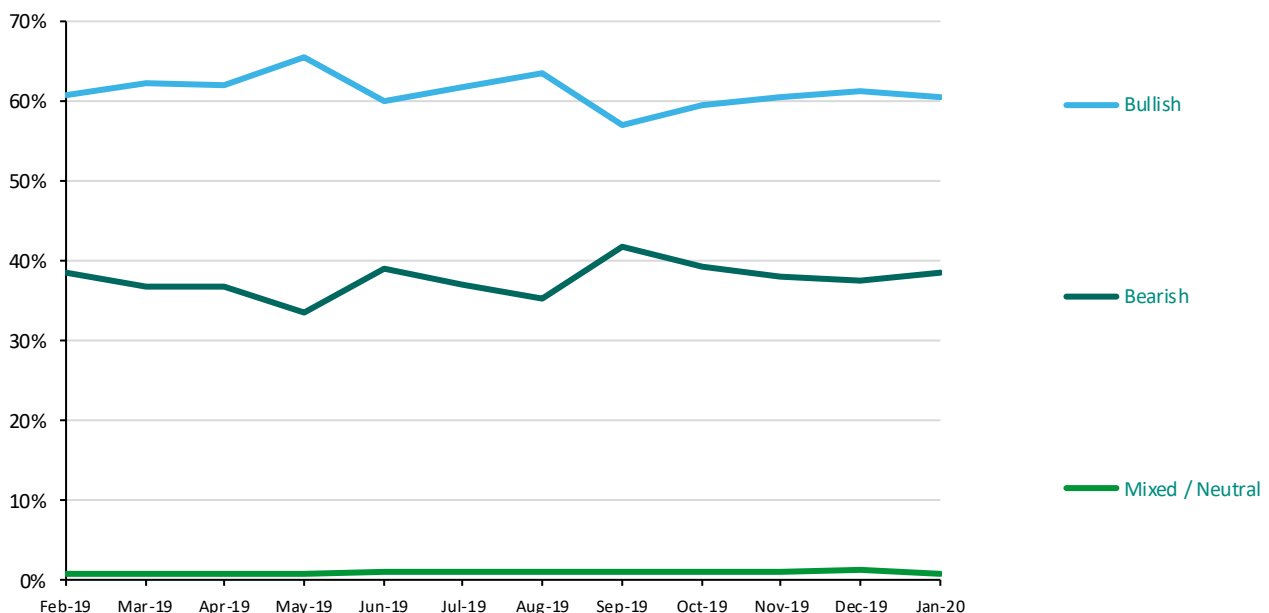
## Market Trend: Value traded

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

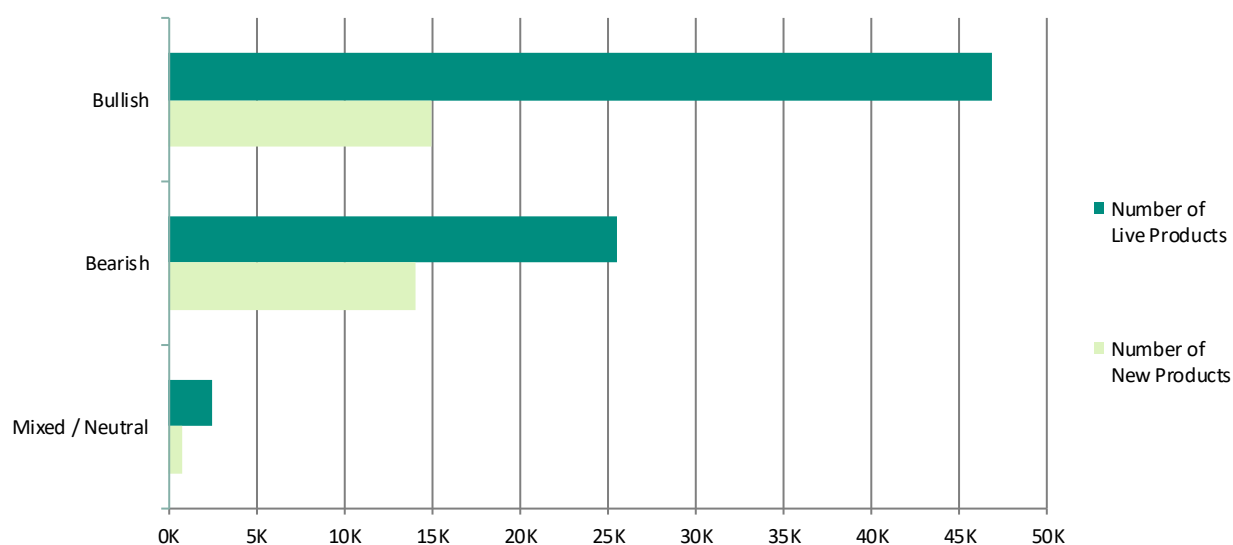
## Product Overview

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	46,877	-2.9%	2.2%	62.6%	14,986	76%	26%	50.1%
Bearish	25,490	-3.6%	-8.8%	34.0%	14,086	119%	44%	47.1%
Mixed / Neutral	2,495	-14.8%	-20%	3.3%	814	72%	44%	2.7%
<b>Total</b>	<b>74,862</b>	<b>-3.6%</b>	<b>-2.7%</b>	<b>100%</b>	<b>29,886</b>	<b>93.8%</b>	<b>34.5%</b>	<b>100%</b>

(Source Euronext)

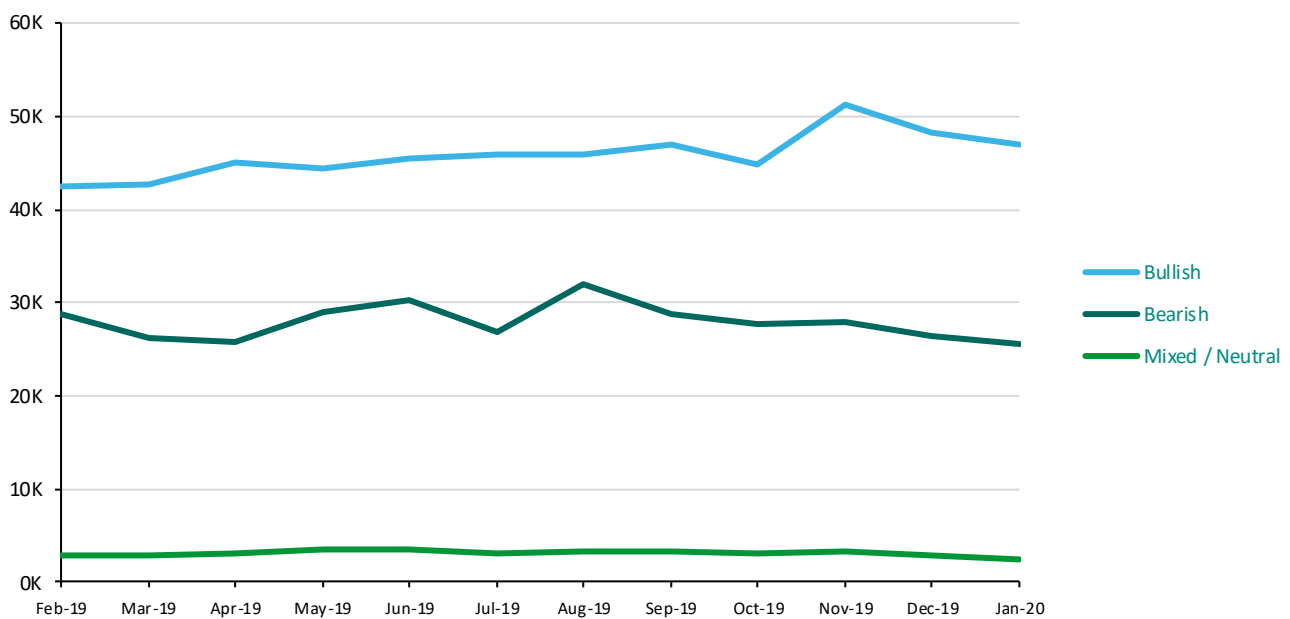




# PRODUCT STRATEGIES

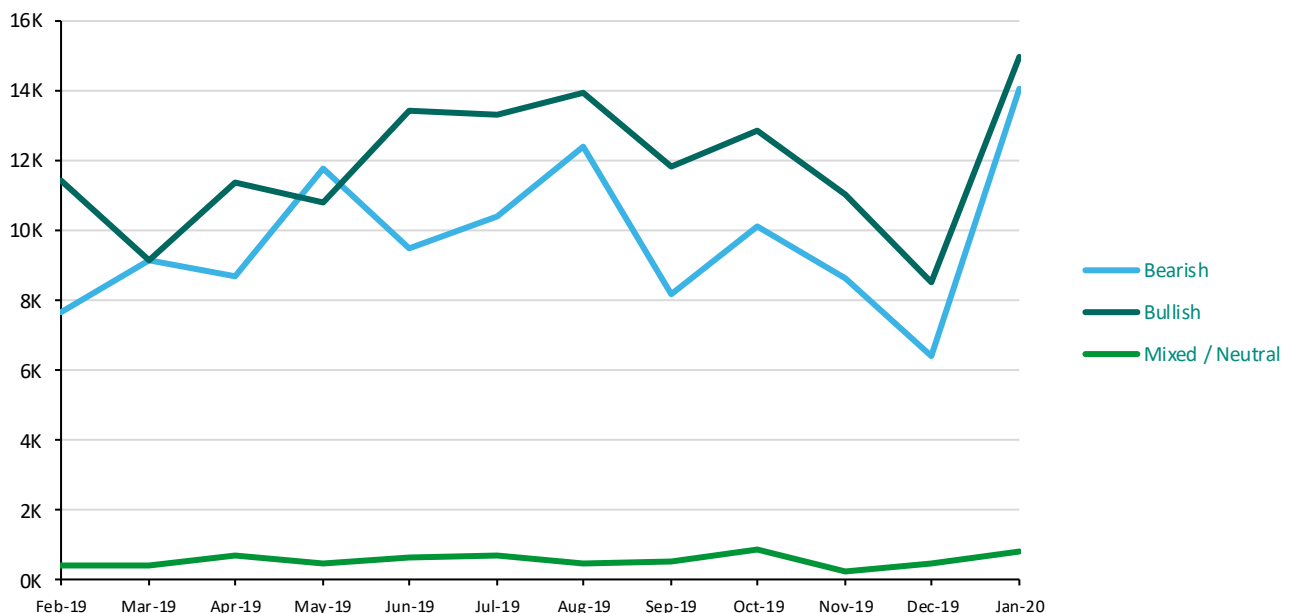
## Product Trend: Number of Live Products

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

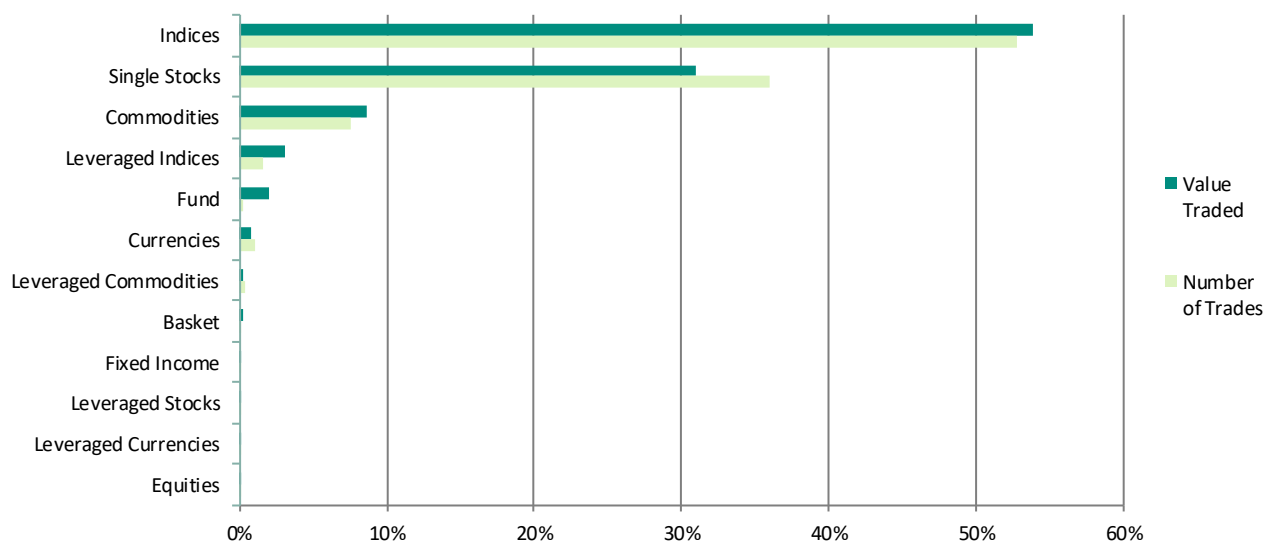
## Market Overview

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	25,437	36%	25%	53.8%	7,957	34.5%	19.0%	52.8%
Single Stocks	14,666	31%	43%	31.0%	5,431	34.6%	22.2%	36.1%
Commodities	4,107	50%	39%	8.7%	1,132	35.8%	15.6%	7.5%
Leveraged Indices	1,442	69%	56%	3.1%	248	28.8%	13.6%	1.6%
Fund	964	-19.5%	-61%	2.0%	43	-53.1%	-76.0%	0.3%
Currencies	341	17.4%	-22%	0.7%	165	12.4%	-13.2%	1.1%
Leveraged Commodities	130	109%	101%	0.3%	56	73.5%	97.2%	0.4%
Basket	93	72%	129%	0.2%	2.9	-2.9%	13.2%	0.0%
Fixed Income	67	136%	61%	0.1%	15	16.0%	-36.0%	0.1%
Leveraged Stocks	11	55%	-23%	0.0%	9.5	34.4%	2.0%	0.1%
Leveraged Currencies	1	-51%	-31%	0.0%	0.0	-77.3%	-80.4%	0.0%
Equities	0	497%	-100%	0.0%	0.2	81.8%	-73.7%	0.0%
<b>Total</b>	<b>47,260</b>	<b>34.7%</b>	<b>25.6%</b>	<b>100%</b>	<b>15,059</b>	<b>33.6%</b>	<b>18.0%</b>	<b>100%</b>

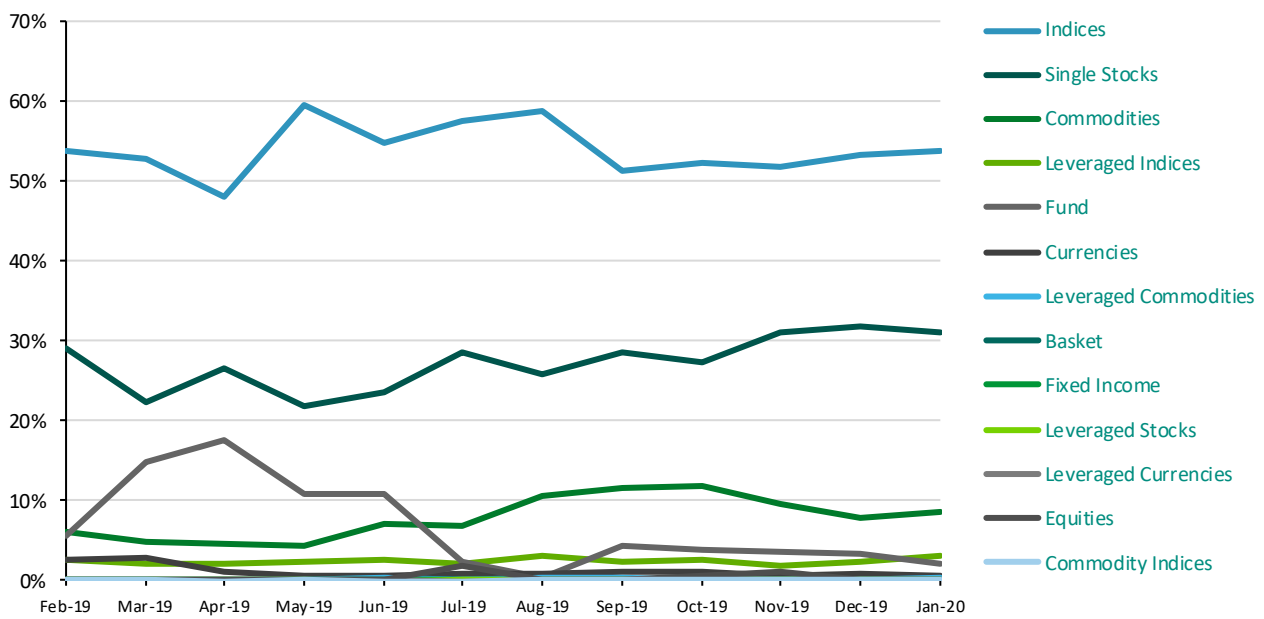
(Source Euronext)



# UNDERLYING TYPES

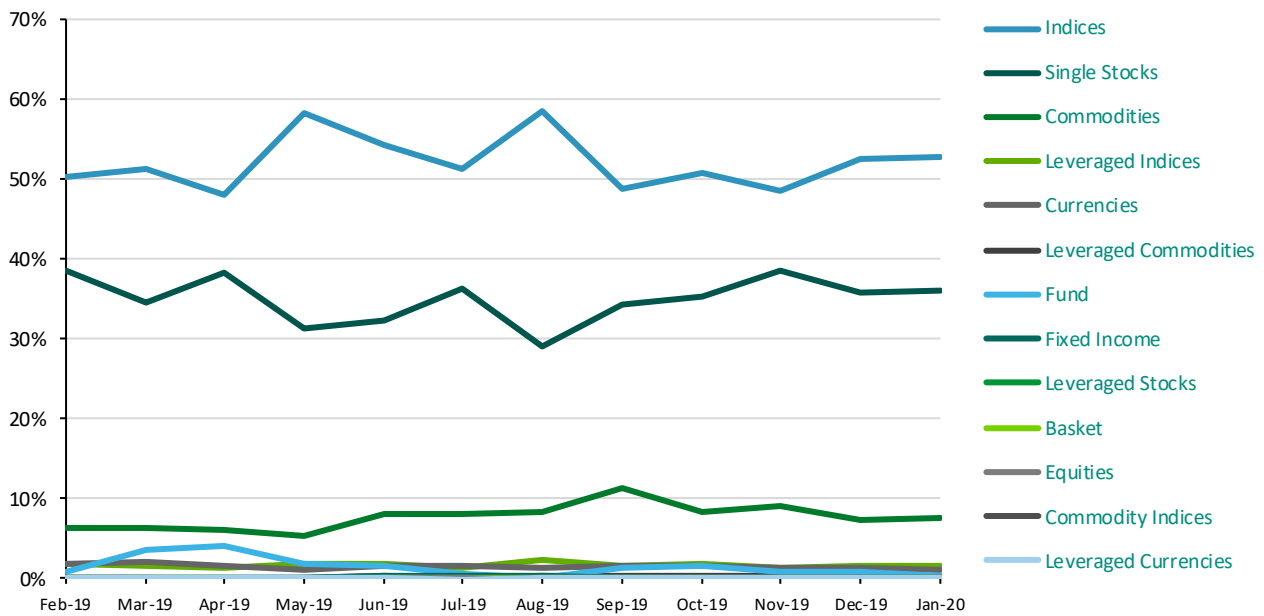
## Market Trend: Value traded

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

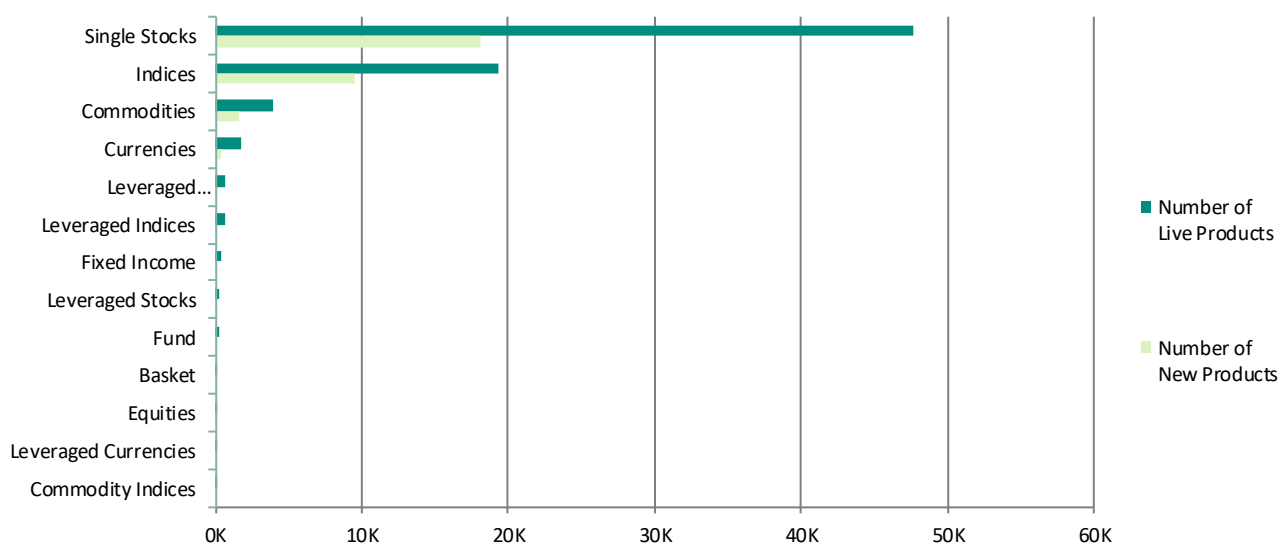
## Product Overview

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	47,620	-3.8%	-3.3%	63.6%	18,065	122%	42%	60.4%
Indices	19,353	-5.1%	-5.1%	25.9%	9,529	50%	19.2%	31.9%
Commodities	3,922	0.6%	4.4%	5.2%	1,665	155%	61%	5.6%
Currencies	1,737	-7.7%	-19.8%	2.3%	306	24%	-15.1%	1.0%
Leveraged Commodities	711	18.4%	177%	0.9%	163	482%	136%	0.5%
Leveraged Indices	696	14.9%	60%	0.9%	125	NA	189%	0.4%
Fixed Income	313	-5.9%	-3.6%	0.4%	10	25%	-65%	0.0%
Leveraged Stocks	286	12.6%	51%	0.4%	17	-15.0%	26%	0.1%
Fund	183	4.8%	9.8%	0.2%	5	150%	-3.2%	0.0%
Basket	22	20%	16.4%	0.0%	0	-100%	-100%	0.0%
Equities	10	20%	134%	0.0%	1	0.0%	-7.7%	0.0%
Leveraged Currencies	8	0.0%	0.0%	0.0%	0			0.0%
Commodity Indices	1	0.0%	-0.4%	0.0%	0			0.0%
<b>Total</b>	<b>74,862</b>	<b>-3.6%</b>	<b>-2.7%</b>	<b>100%</b>	<b>29,886</b>	<b>93.8%</b>	<b>34.5%</b>	<b>100%</b>

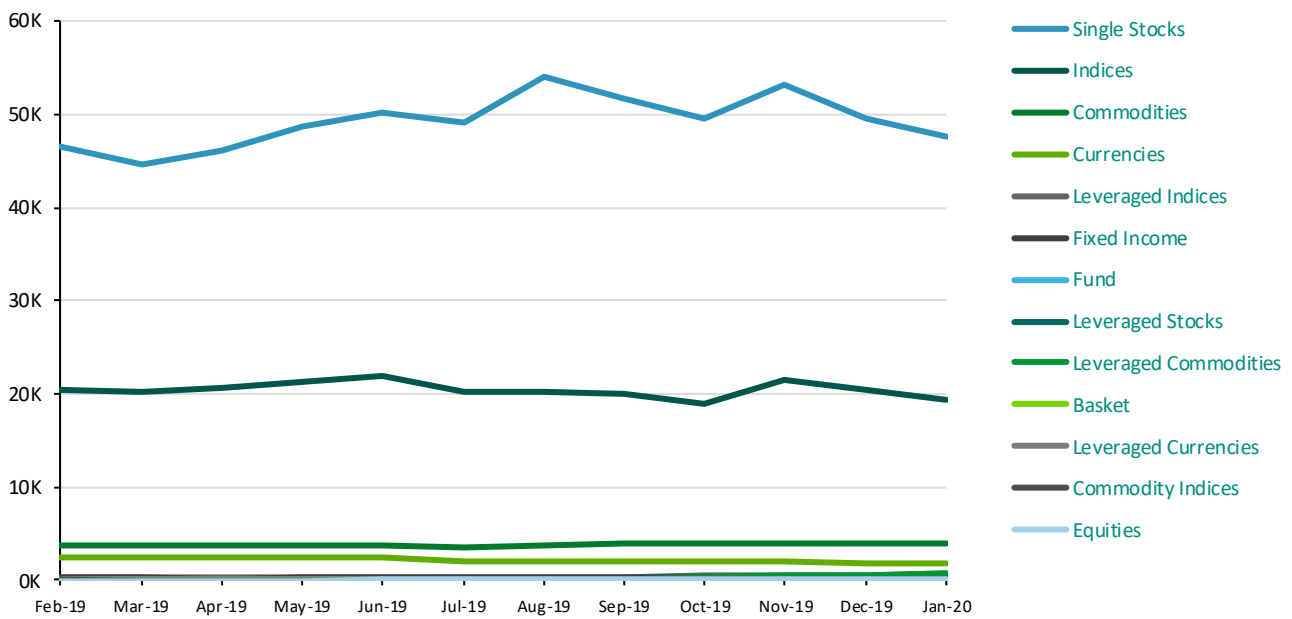
(Source Euronext)



# UNDERLYING TYPES

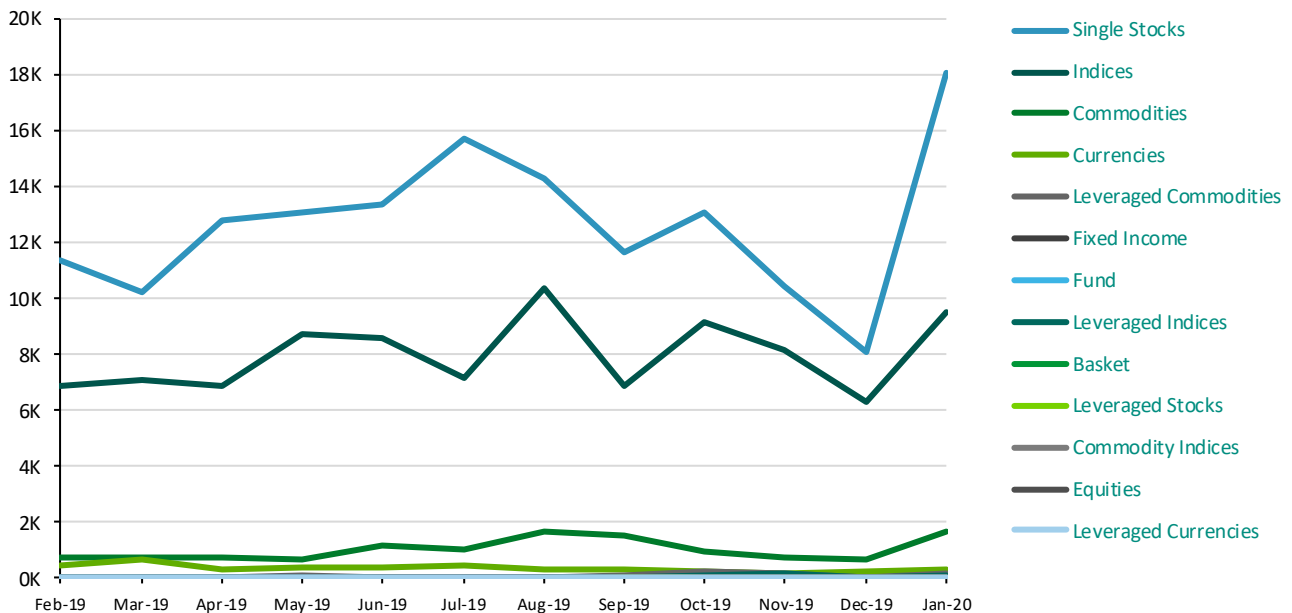
## Product Trend: Number of Live Products

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

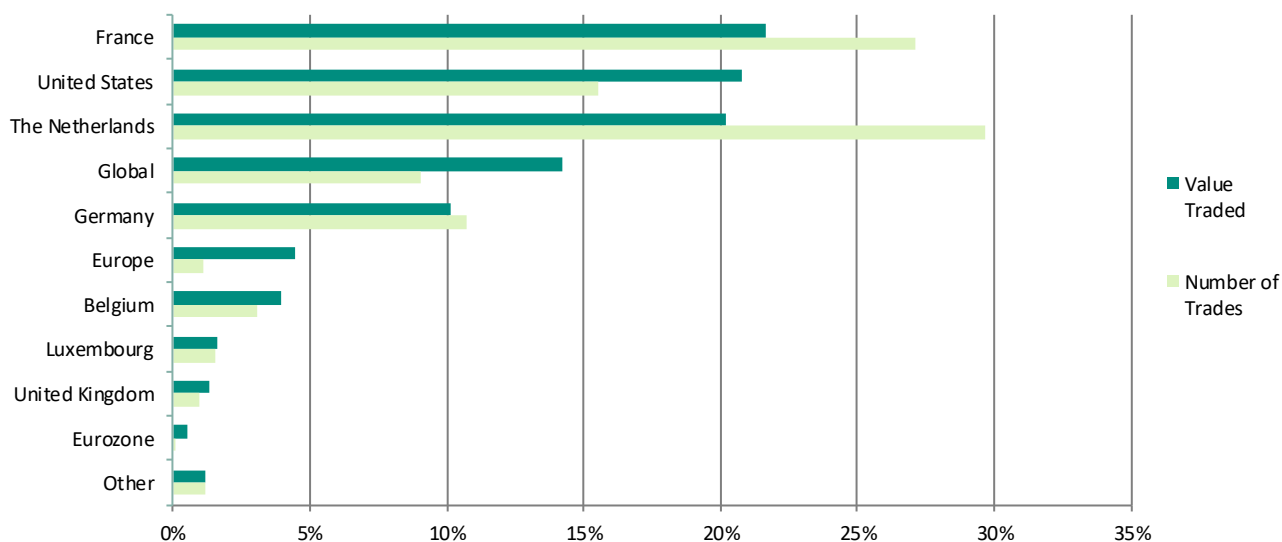
## Market Overview

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	10,251	28%	22%	21.7%	4,089	28.4%	15.3%	27.2%
United States	9,811	78%	68%	20.8%	2,344	69%	48%	15.6%
The Netherlands	9,540	29%	17.9%	20.2%	4,469	30%	16.8%	29.7%
Global	6,707	38%	27%	14.2%	1,363	37%	17.1%	9.0%
Germany	4,784	59%	41%	10.1%	1,610	45%	14.4%	10.7%
Europe	2,097	-11.2%	-45%	4.4%	163	-16.1%	-46%	1.1%
Belgium	1,880	-15.3%	30%	4.0%	462	-4.7%	8.2%	3.1%
Luxembourg	769	22%	32%	1.6%	236	3.2%	-8.7%	1.6%
United Kingdom	630	33%	138%	1.3%	142	7.7%	62%	0.9%
Eurozone	234	446%	730%	0.5%	5.3	151%	409%	0.0%
Other	557	-6.3%	5.2%	1.2%	176	36%	12.2%	1.2%
<b>Total</b>	<b>47,260</b>	<b>34.7%</b>	<b>25.6%</b>	<b>100%</b>	<b>15,059</b>	<b>33.6%</b>	<b>18.0%</b>	<b>100%</b>

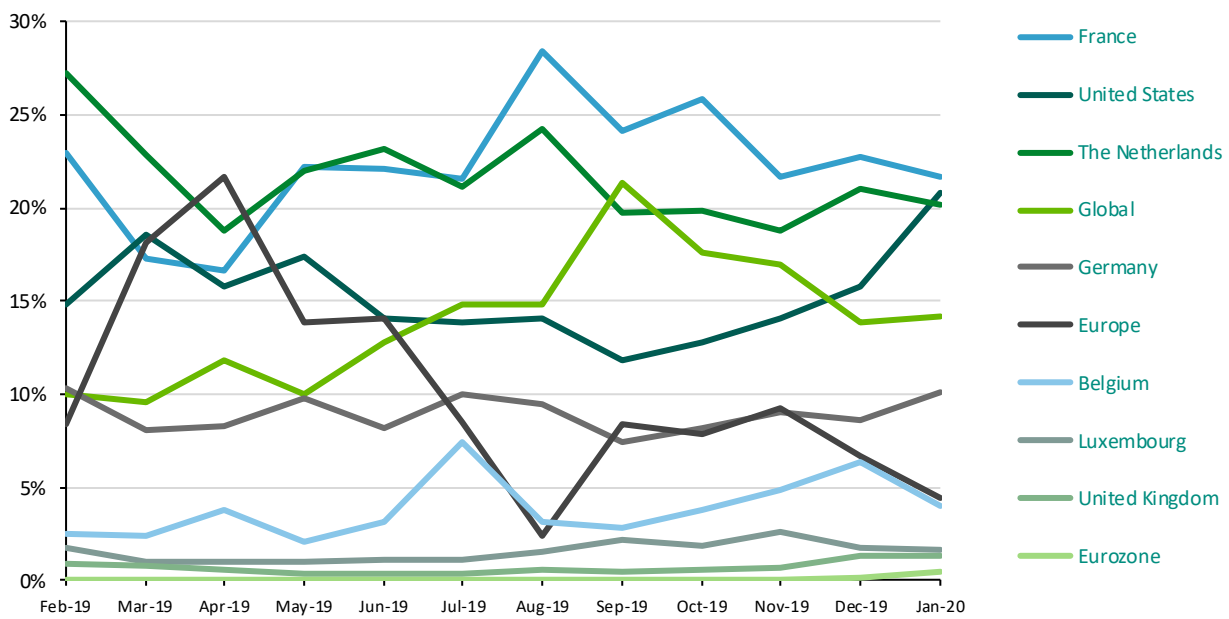
(Source Euronext)



# TOP 10 UNDERLYING COUNTRIES

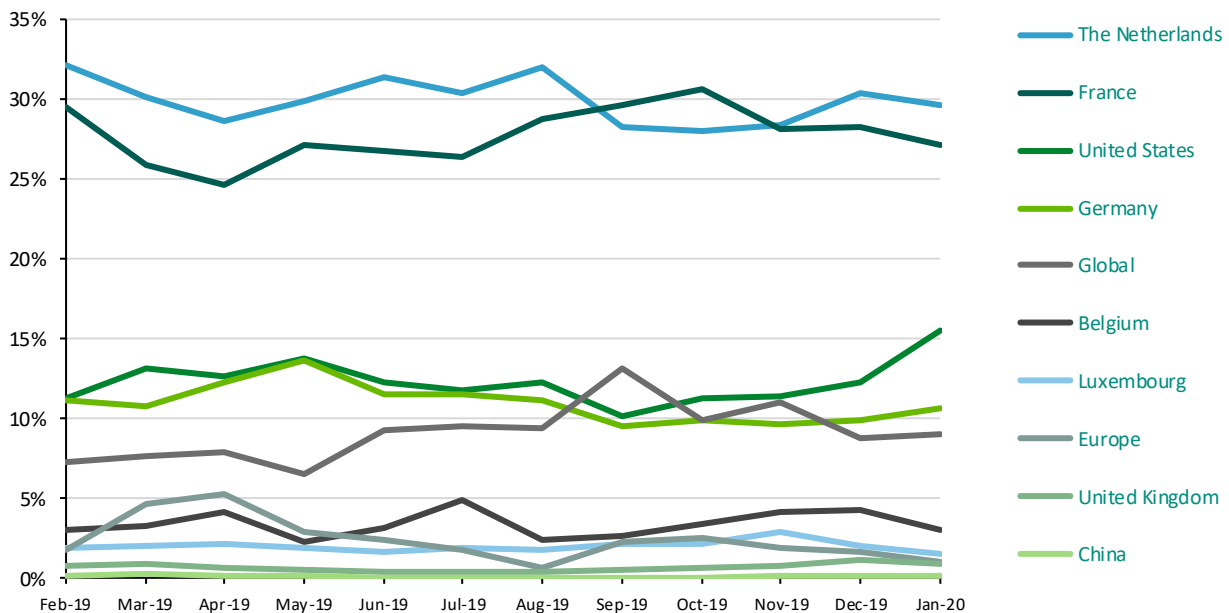
## Market Trend: Value traded

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

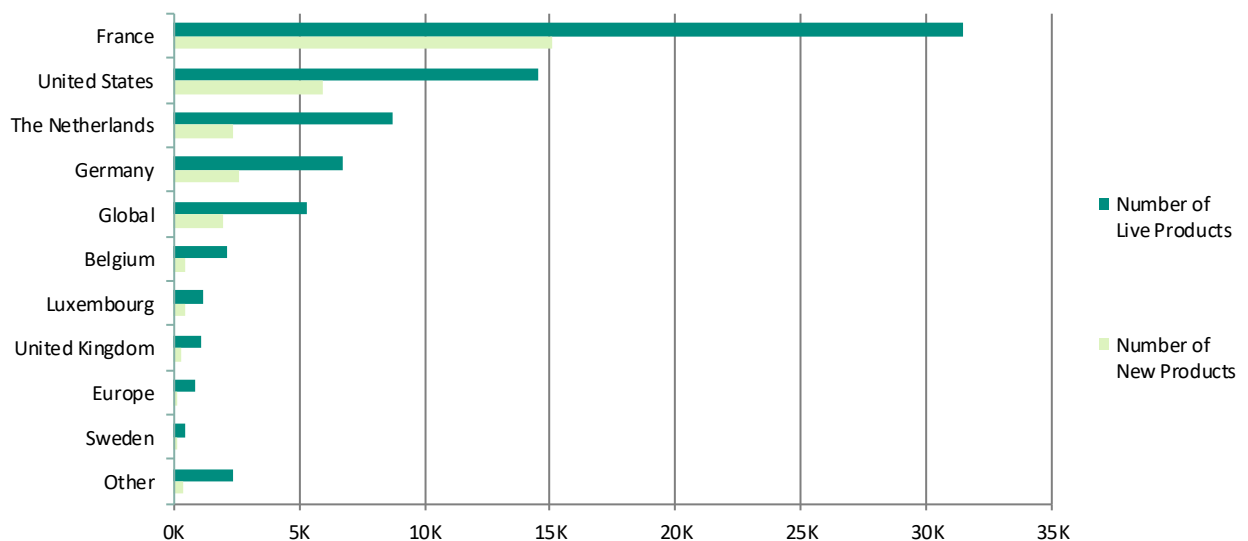
## Product Overview

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	31,489	-5.9%	-9.2%	42.1%	15,106	119%	44%	50.5%
United States	14,500	-2.6%	-0.3%	19.4%	5,917	105%	36%	19.8%
The Netherlands	8,752	-3.4%	5.3%	11.7%	2,344	19.3%	4.7%	7.8%
Germany	6,724	-1.7%	3.1%	9.0%	2,633	57%	19.0%	8.8%
Global	5,288	2.6%	13.1%	7.1%	1,933	160%	61%	6.5%
Belgium	2,137	-4.5%	4.4%	2.9%	493	68%	10.5%	1.6%
Luxembourg	1,180	-4.9%	-2.3%	1.6%	477	54%	5.5%	1.6%
United Kingdom	1,109	0.3%	0.3%	1.5%	274	38%	25%	0.9%
Europe	875	0.4%	-10.6%	1.2%	160	52%	13.3%	0.5%
Sweden	431	3.8%	-4.1%	0.6%	148	179%	29%	0.5%
Other	2,379	-0.6%	-2.1%	3.2%	401	40%	7.8%	1.3%
<b>Total</b>	<b>74,862</b>	<b>-3.6%</b>	<b>-2.7%</b>	<b>100%</b>	<b>29,886</b>	<b>93.8%</b>	<b>34.5%</b>	<b>100%</b>

(Source Euronext)

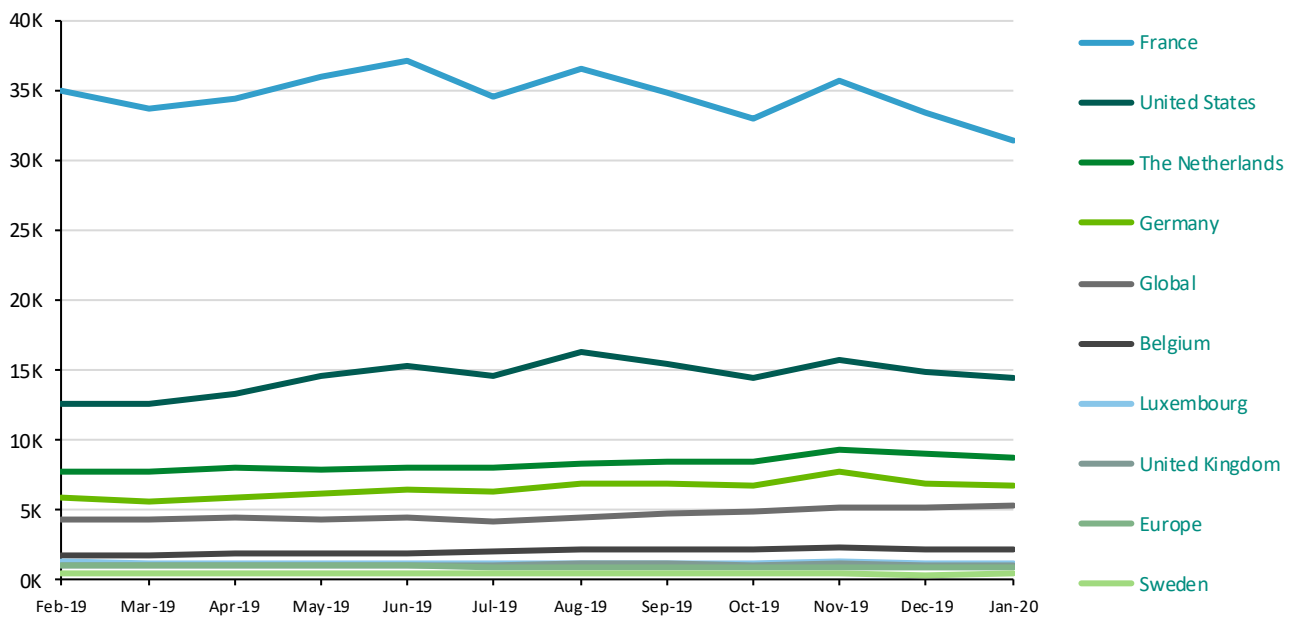




# TOP 10 UNDERLYING COUNTRIES

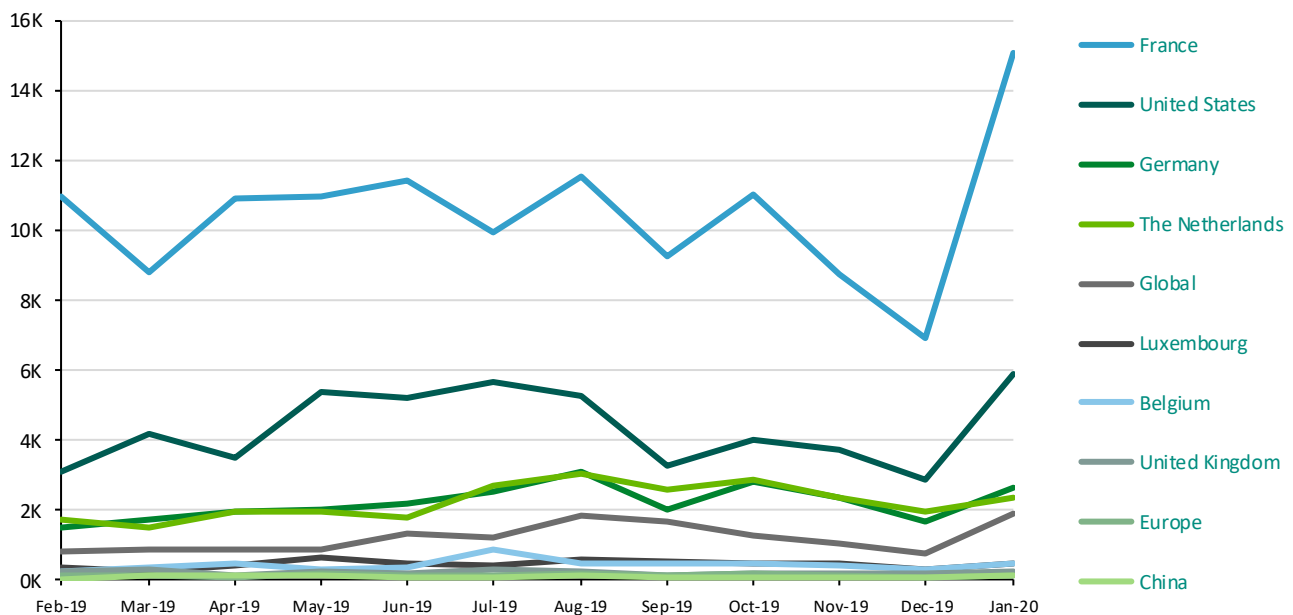
## Product Trend: Number of Live Products

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

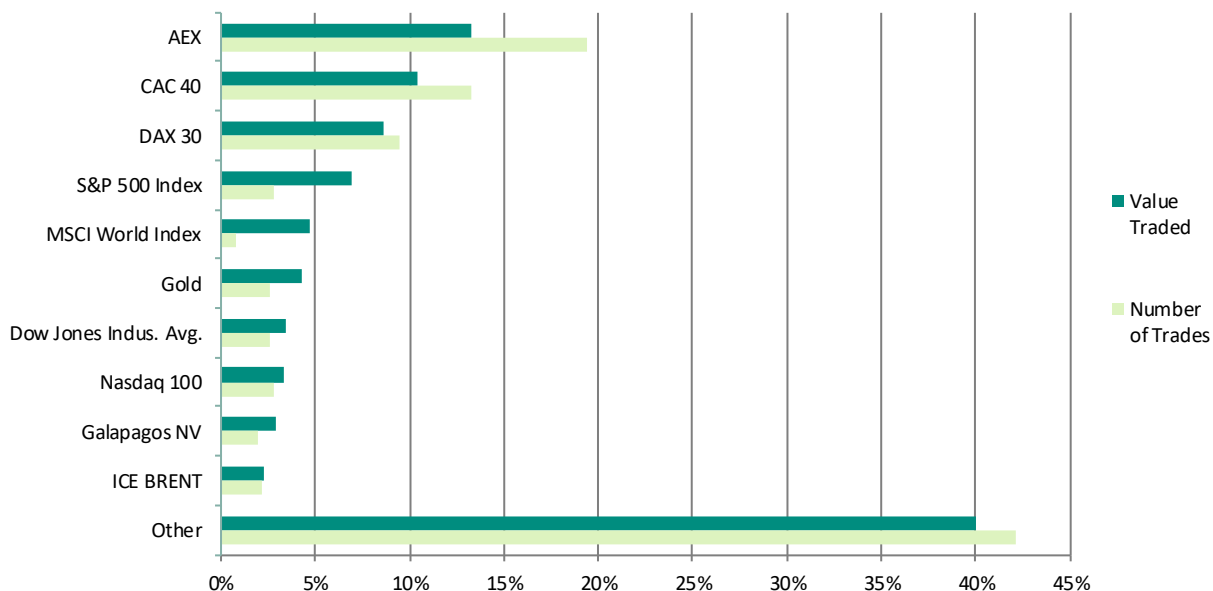
## Market Overview

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	6,249	28%	16.3%	13.2%	2,925	29.0%	17.8%	19.4%
CAC 40	4,930	32%	29%	10.4%	2,002	33%	26%	13.3%
DAX 30	4,063	50%	34%	8.6%	1,424	41%	13.7%	9.5%
S&P 500 Index	3,266	80%	65%	6.9%	419	77%	53%	2.8%
MSCI World Index	2,230	36%	19.3%	4.7%	122	40%	37%	0.8%
Gold	2,007	87%	47%	4.2%	386	49%	12.0%	2.6%
Dow Jones Indus. Avg.	1,619	35%	29%	3.4%	396	24%	4.1%	2.6%
Nasdaq 100	1,554	100%	41%	3.3%	425	52%	15.1%	2.8%
Galapagos NV	1,379	-26%	33%	2.9%	298	-15.4%	18.2%	2.0%
ICE BRENT	1,070	18.2%	53%	2.3%	318	22%	11.2%	2.1%
Other	18,893	30%	17.3%	40.0%	6,345	35%	16.6%	42.1%
<b>Total</b>	<b>47,260</b>	<b>34.7%</b>	<b>25.6%</b>	<b>100%</b>	<b>15,059</b>	<b>33.6%</b>	<b>18.0%</b>	<b>100%</b>

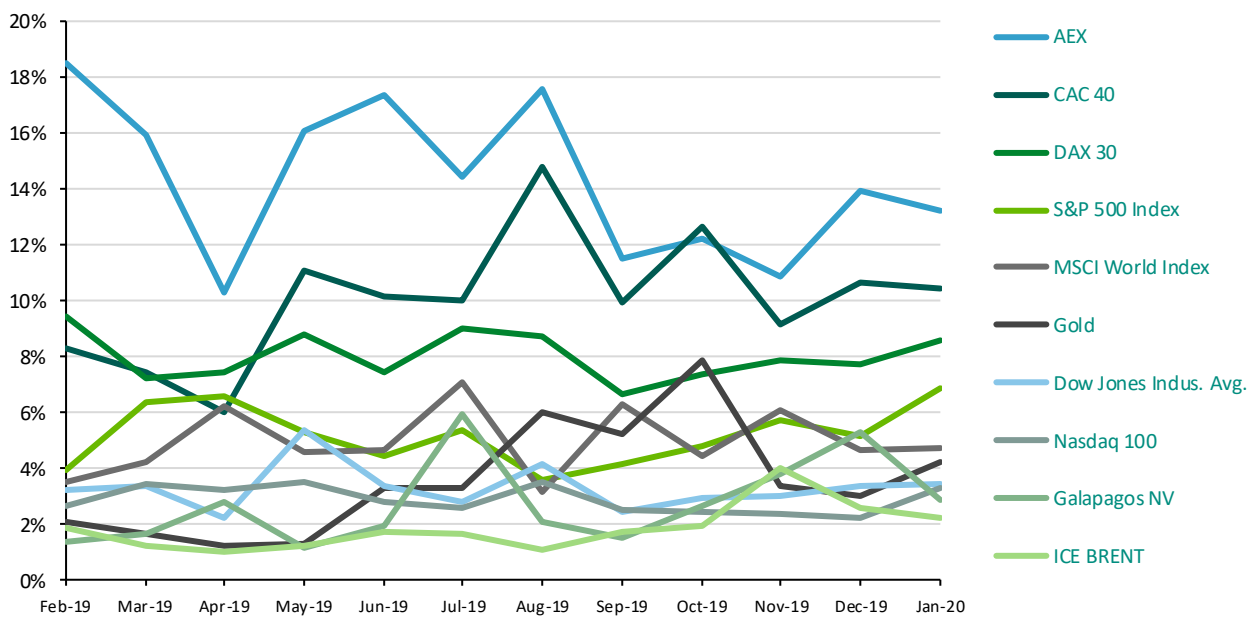
(Source Euronext)



# TOP 10 UNDERLYINGS

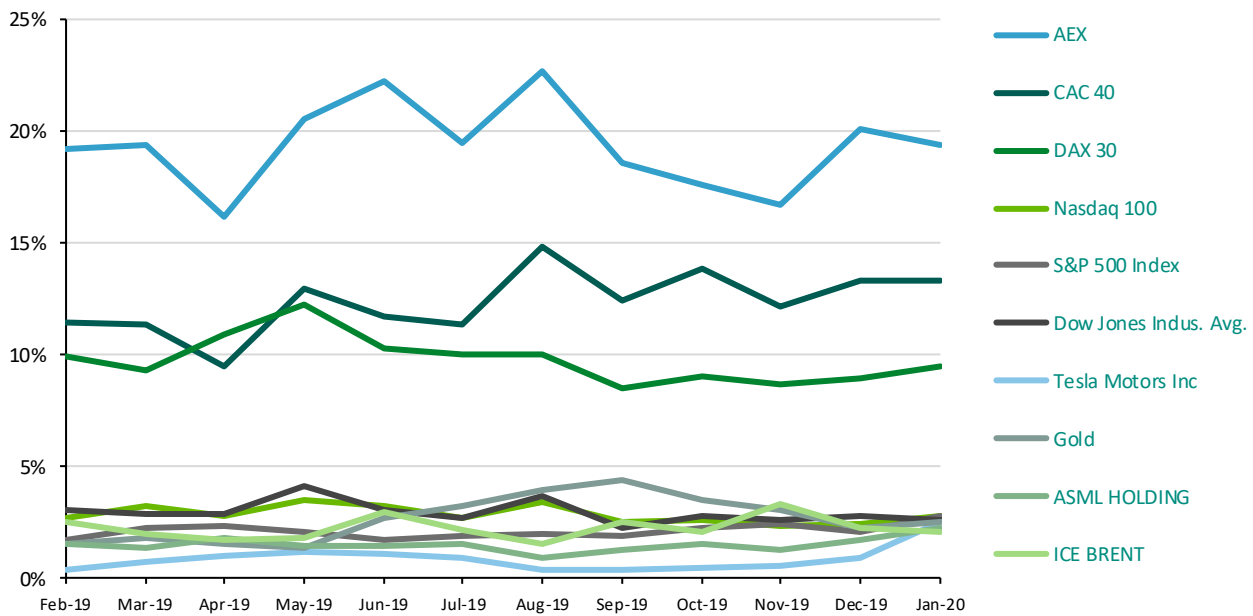
## Market Trend: Value traded

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

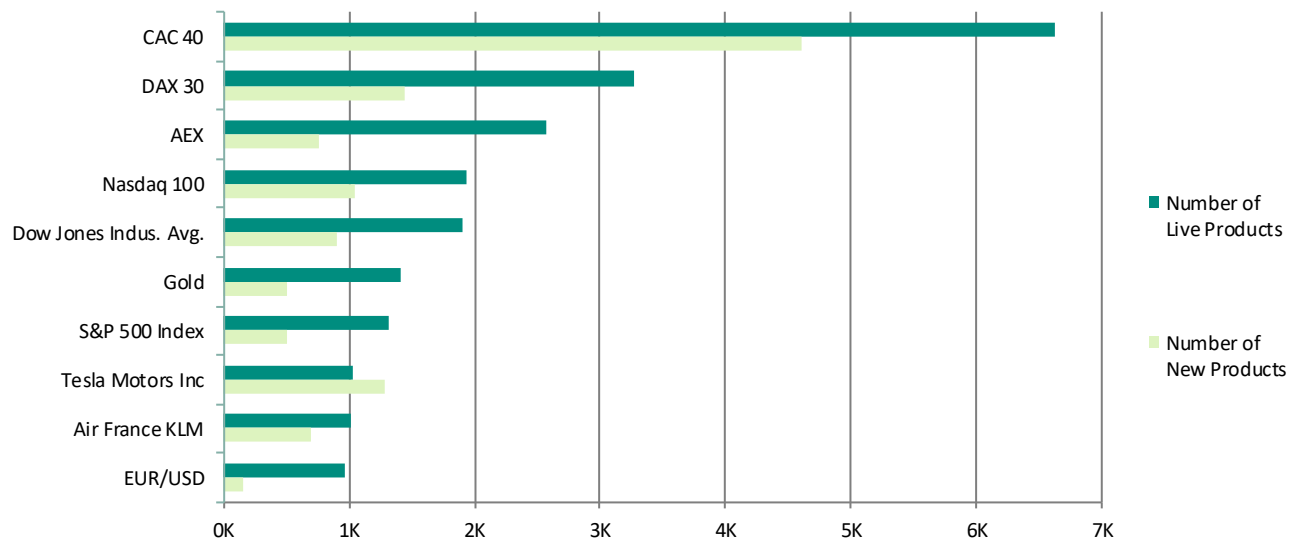
## Product Overview

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	6,628	-5.6%	-5.9%	8.9%	4,611	61%	26%	15.4%
DAX 30	3,271	-6.1%	-3.9%	4.4%	1,440	36%	10.3%	4.8%
AEX	2,569	-4.0%	0.7%	3.4%	761	-7.4%	-8.7%	2.5%
Nasdaq 100	1,943	-3.4%	-1.2%	2.6%	1,048	78%	39%	3.5%
Dow Jones Indus. Avg.	1,899	-7.2%	-9.9%	2.5%	902	83%	15.4%	3.0%
Gold	1,404	3.8%	8.2%	1.9%	508	243%	66%	1.7%
S&P 500 Index	1,312	-7.0%	-11.0%	1.8%	501	77%	26%	1.7%
Tesla Motors Inc	1,034	27%	36%	1.4%	1,286	283%	255%	4.3%
Air France KLM	1,006	-5.0%	-14.9%	1.3%	691	204%	58%	2.3%
EUR/USD	967	-11.3%	-22%	1.3%	158	31%	-30%	0.5%
Other	52,829	-3.4%	-2.0%	70.6%	17,980	112%	37%	60.2%
<b>Total</b>	<b>74,862</b>	<b>-3.6%</b>	<b>-2.7%</b>	<b>100%</b>	<b>29,886</b>	<b>93.8%</b>	<b>34.5%</b>	<b>100%</b>

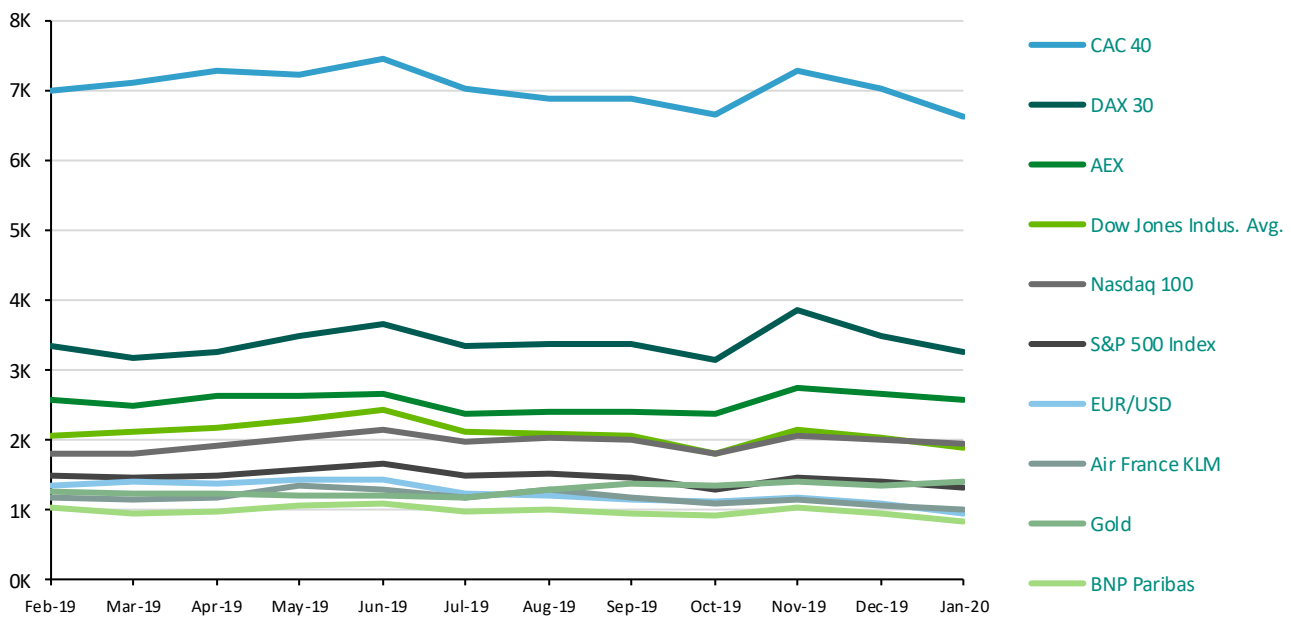
(Source Euronext)



# TOP 10 UNDERLYINGS

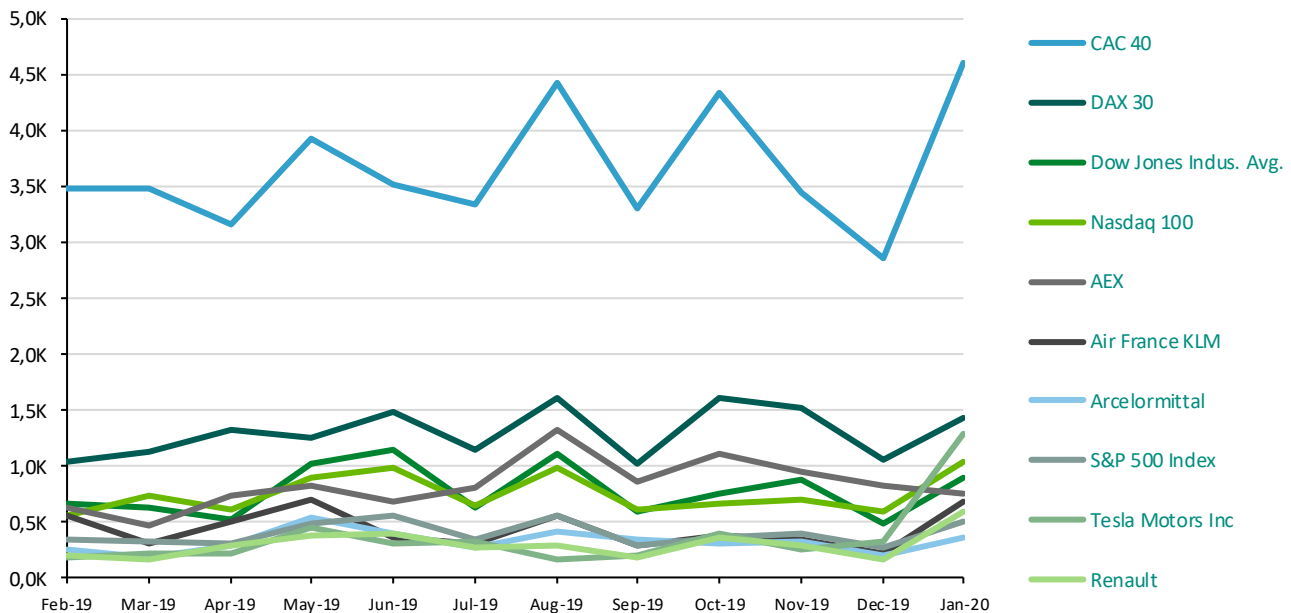
## Product Trend: Number of Live Products

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	49,058	2,692
PTBITHYM0080	BCP	1300	Tracker Certificates	S&P 500 Index	35,158	2,210
PTBITAYE0046	BCP	1300	Tracker Certificates	S&P 500 Index	27,848	2,287
PTBIVRYE0068	BCP	1300	Tracker Certificates	Euro STOXX 50	19,255	1,465
NL0013666191	BNP Paribas	2100	Warrants	Euro STOXX 50 ETFs	15,287	189
PTBIWBYE0057	BCP	1300	Tracker Certificates	Nasdaq 100	7,755	331
DE000CD5NZY1	Commerzbank	2300	Constant Leverage Certificate	CAC 40	4,407	955
FR0013217940	Société Générale	2300	Constant Leverage Certificate	CAC 40 x15 Leveraged Index	4,344	447
NL0013576135	BNP Paribas	2210	Mini-Futures	DAX 30	4,201	302
PTBITEYE0034	BCP	1300	Tracker Certificates	DAX 30	4,006	309
NL0013990542	BNP Paribas	2210	Mini-Futures	AEX	3,950	514
NL0014061715	BNP Paribas	2210	Mini-Futures	Gold	3,949	204
FR0013188612	Société Générale	2300	Constant Leverage Certificate	CAC 40 x15 Leveraged Index	3,839	498
DE000CU1EEL0	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	3,824	979
NL0013832462	Goldman Sachs	2205	Open-End Knock-Out Warrants	AEX	3,805	8,437
NL0011539267	BNP Paribas	2205	Open-End Knock-Out Warrants	Heineken	3,679	52
PTBIYZYE0040	BCP	1300	Tracker Certificates	Dow Jones Indus. Avg.	3,613	328
FRBNPP017DD4	BNP Paribas	2210	Mini-Futures	Wirecard	3,361	150
NL0014063133	BNP Paribas	2210	Mini-Futures	Gold	3,309	257
DE000VN61ZM8	Vontobel	2300	Constant Leverage Certificate	Euro STOXX 50 x16 Leveraged I	3,255	75
DE000VE4Z0J0	Vontobel	2205	Open-End Knock-Out Warrants	CAC 40	3,193	438
DE000VF6XJM2	Vontobel	2205	Open-End Knock-Out Warrants	Gold	3,170	108
NL0014061913	BNP Paribas	2210	Mini-Futures	Dow Jones Indus. Avg.	3,013	86
NL0014064081	BNP Paribas	2210	Mini-Futures	AEX	2,979	454
NL0014132474	ING	2100	Warrants	Euro STOXX 50 ETFs	2,973	387
NL0013901994	ING	2205	Open-End Knock-Out Warrants	ASML HOLDING	2,969	721
NL0013853583	Goldman Sachs	2210	Mini-Futures	Altice	2,957	67
NL0014132680	BNP Paribas	2210	Mini-Futures	AEX	2,605	231
NL0014056988	BNP Paribas	2210	Mini-Futures	AEX	2,556	317
NL0013989783	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	2,535	68
FRBNPP00XK03	BNP Paribas	2210	Mini-Futures	CAC 40	2,486	75
NL0014044349	BNP Paribas	2210	Mini-Futures	AEX	2,477	236
NL0013979479	BNP Paribas	2205	Open-End Knock-Out Warrants	AEX	2,455	943
NL0014064131	BNP Paribas	2210	Mini-Futures	DAX 30	2,452	188
NL0013363856	BNP Paribas	2205	Open-End Knock-Out Warrants	Inbev	2,260	252
DE000CU6JH39	Commerzbank	2200	Knock-Out Warrants	DAX 30	2,162	51
NL0013893969	ING	2205	Open-End Knock-Out Warrants	Galapagos NV	2,135	283
NL0013990583	BNP Paribas	2210	Mini-Futures	AEX	2,127	298
NL0012036073	BNP Paribas	2210	Mini-Futures	Unilever	2,120	35
LU1815432486	Société Générale	1300	Tracker Certificates	CAC 40 x15 Short Index	2,107	597
NL0014044331	BNP Paribas	2210	Mini-Futures	AEX	2,064	381
NL0014061889	BNP Paribas	2210	Mini-Futures	Dow Jones Indus. Avg.	2,028	98
DE000CU1EEG0	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	2,006	1,446
NL0013990575	BNP Paribas	2210	Mini-Futures	AEX	1,998	262
NL0014055410	BNP Paribas	2210	Mini-Futures	AEX	1,996	243
LU1815432056	Société Générale	1300	Tracker Certificates	CAC 40 x10 Short Index	1,958	234
PTBIWKYE0023	BCP	1300	Tracker Certificates	CAC 40	1,867	175
DE000VN61ZN6	Vontobel	2300	Constant Leverage Certificate	Euro STOXX 50 x8 Short Index	1,853	21
NL0006191470	BNP Paribas	1300	Tracker Certificates	Precious Metals Basket	1,845	40
DE000VE5KLS5	Vontobel	2200	Knock-Out Warrants	Gold	1,836	336

(Source Euronext)





Euronext Amsterdam

# ISSUERS

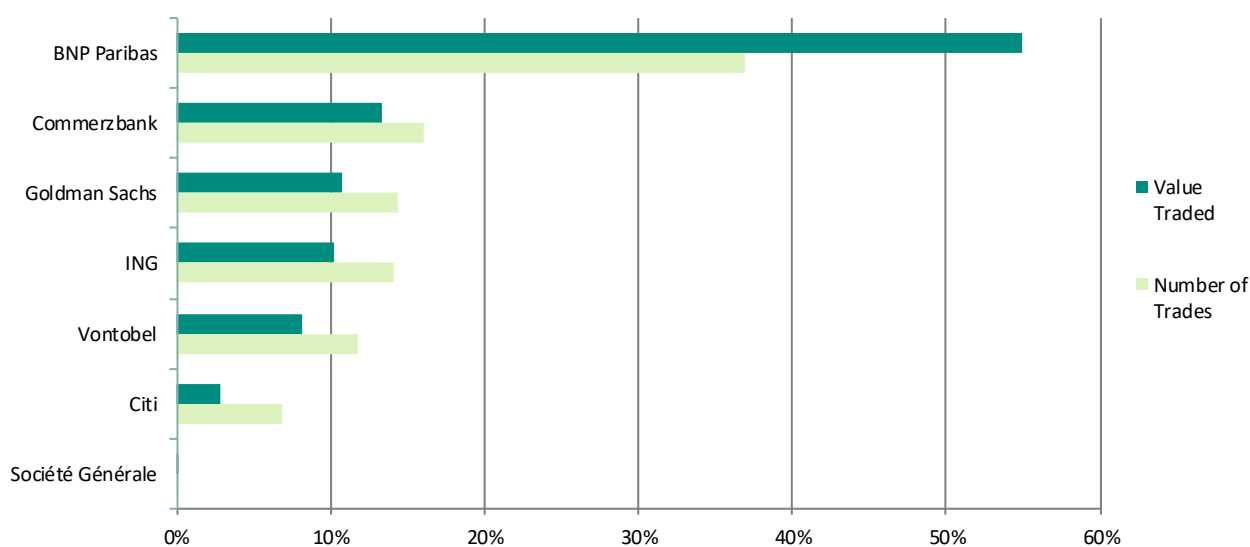
## Market Overview

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	12,671	43%	43%	54.9%	3,026	24.9%	15.8%	36.9%
Commerzbank	3,069	50%	32%	13.3%	1,313	1.4%	3.5%	16.0%
Goldman Sachs	2,473	45%	8.6%	10.7%	1,172	133.9%	36.0%	14.3%
ING	2,343	-7.5%	-22%	10.1%	1,157	23.3%	7.6%	14.1%
Vontobel	1,872	37%	34%	8.1%	961	56.0%	14.9%	11.7%
Citi	646	32%	-1.8%	2.8%	562	44.6%	2.6%	6.9%
Société Générale	15	263%	-73%	0.1%	7.0	172.7%	-84.7%	0.1%
Total	23,090	35.7%	24.2%	100%	8,199	33.0%	13.1%	100%

(Source Euronext)

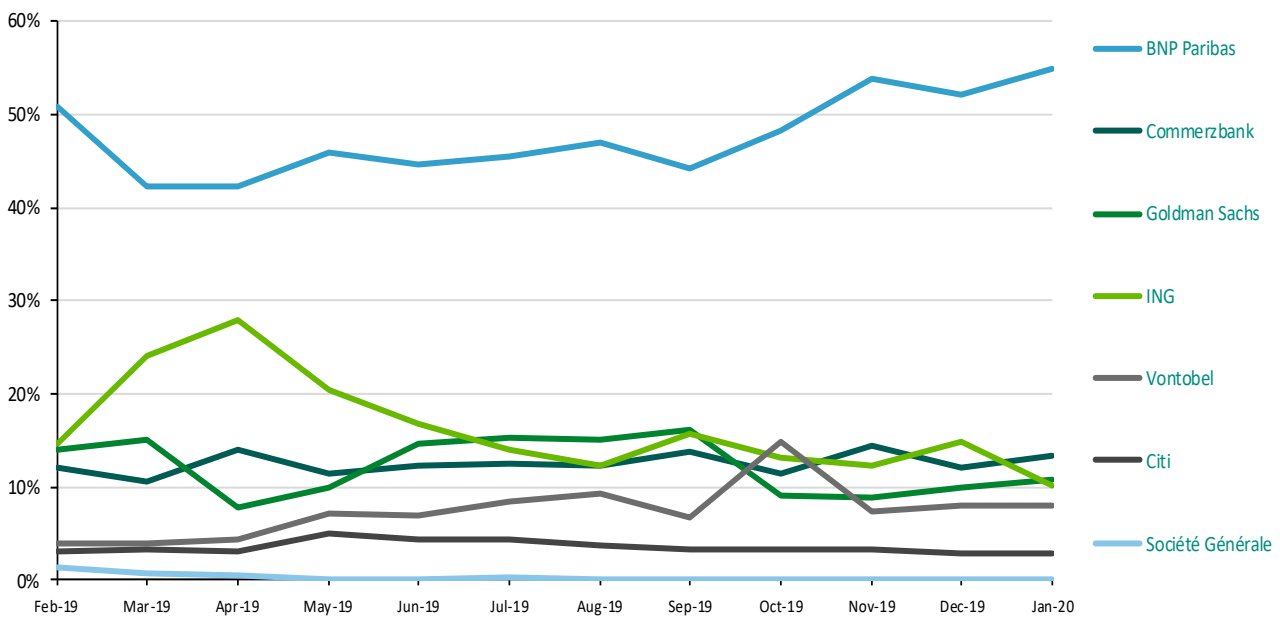




# ISSUERS

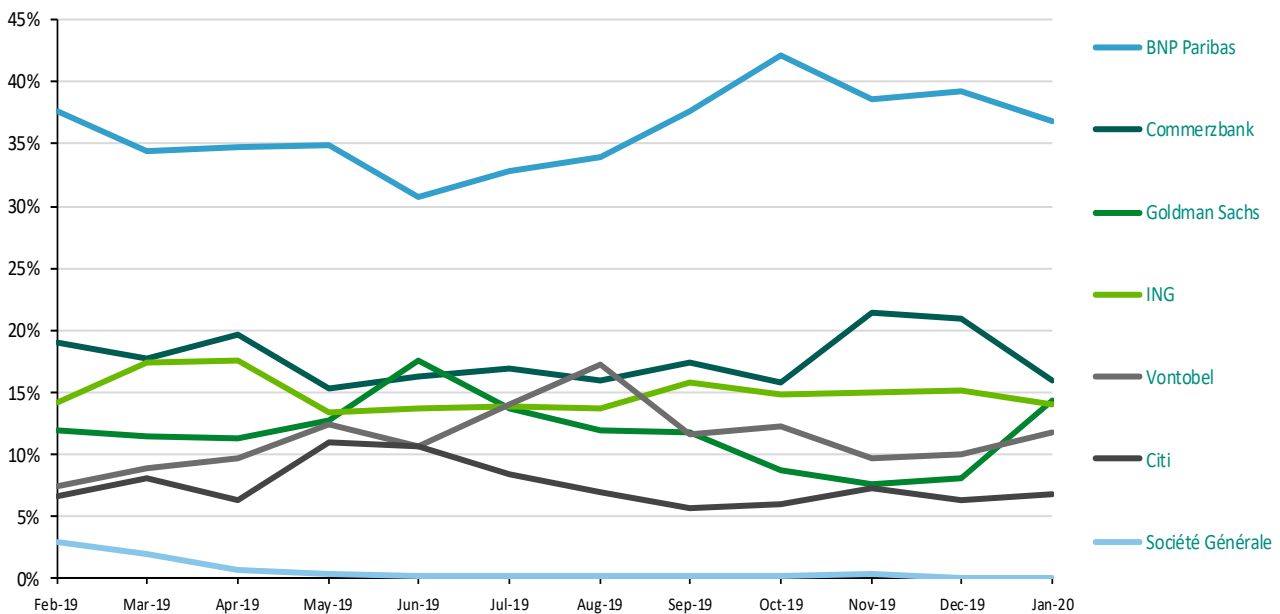
## Market Trend: Value traded

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

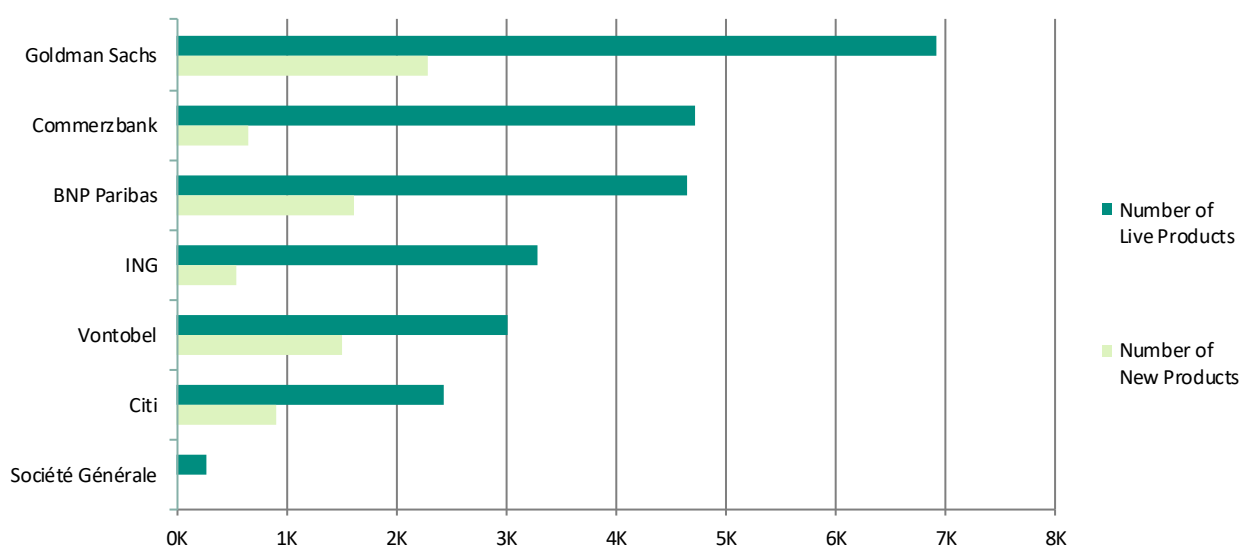
## Product Overview

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	6,921	-5.3%	8.7%	27.4%	2,279	30%	0.2%	30.4%
Commerzbank	4,728	0.0%	9.0%	18.7%	655	29%	-16.3%	8.7%
BNP Paribas	4,654	0.8%	2.8%	18.4%	1,606	48%	34%	21.5%
ING	3,283	-2.9%	6.3%	13.0%	539	40%	18.2%	7.2%
Vontobel	3,016	9.7%	19.6%	11.9%	1,506	68%	33%	20.1%
Citi	2,425	-0.7%	4.0%	9.6%	901	142%	61%	12.0%
Société Générale	264	-2.7%	-25%	1.0%	0		-100%	0.0%
Total	25,292	-0.8%	7.5%	100%	7,486	49.8%	16.8%	100%

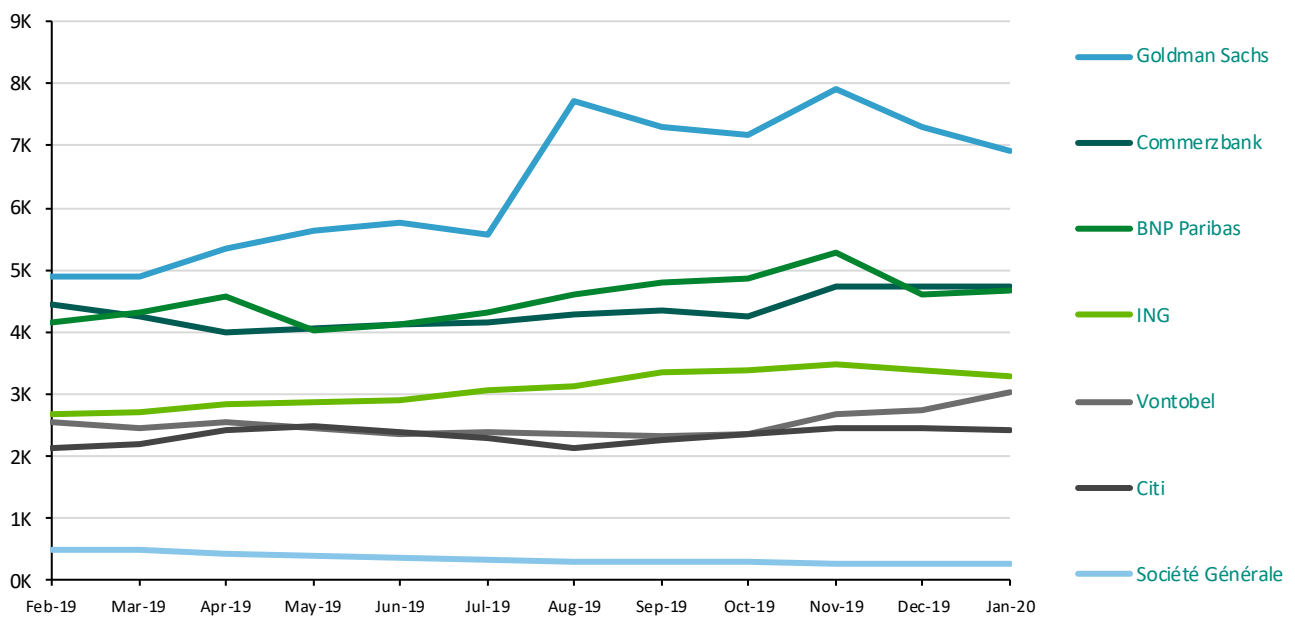
(Source Euronext)



# ISSUERS

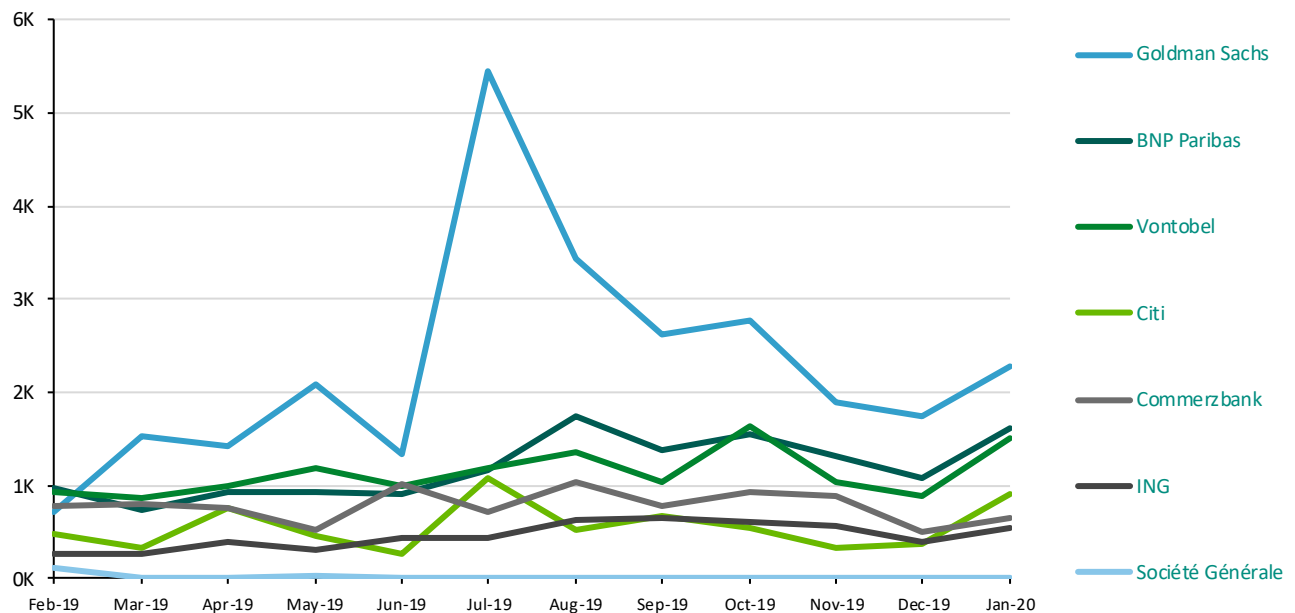
## Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each issuer on Euronext 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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

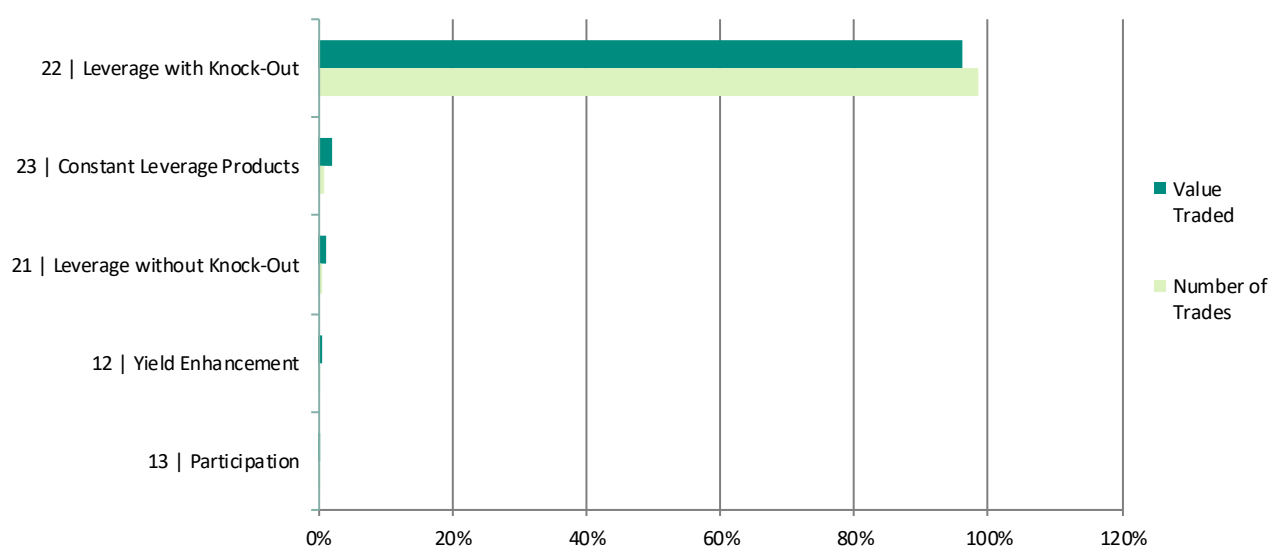
## Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product type (EUSIPA<sup>1</sup> 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	22,231	38%	32%	96.3%	8,088	34.2%	15.4%	98.7%
23   Constant Leverage Products	441	263%	183%	1.9%	59	40.5%	17.8%	0.7%
21   Leverage without Knock-Out	237	-55%	-82%	1.0%	33	-57.3%	-80.2%	0.4%
12   Yield Enhancement	150	-26%	-24%	0.6%	14	-2.5%	-27.6%	0.2%
13   Participation	31	60%	-6.6%	0.1%	5.5	51.5%	16.2%	0.1%
<b>Total</b>	<b>23,090</b>	<b>35.7%</b>	<b>24.2%</b>	<b>100%</b>	<b>8,199</b>	<b>33.0%</b>	<b>13.1%</b>	<b>100%</b>

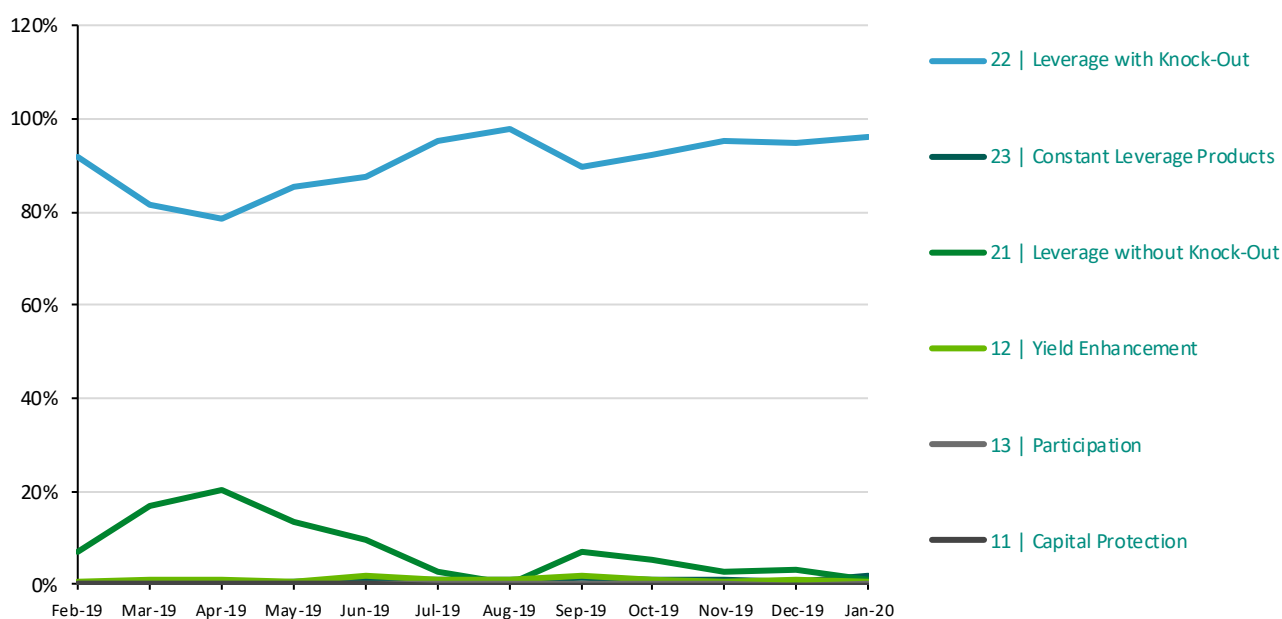
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

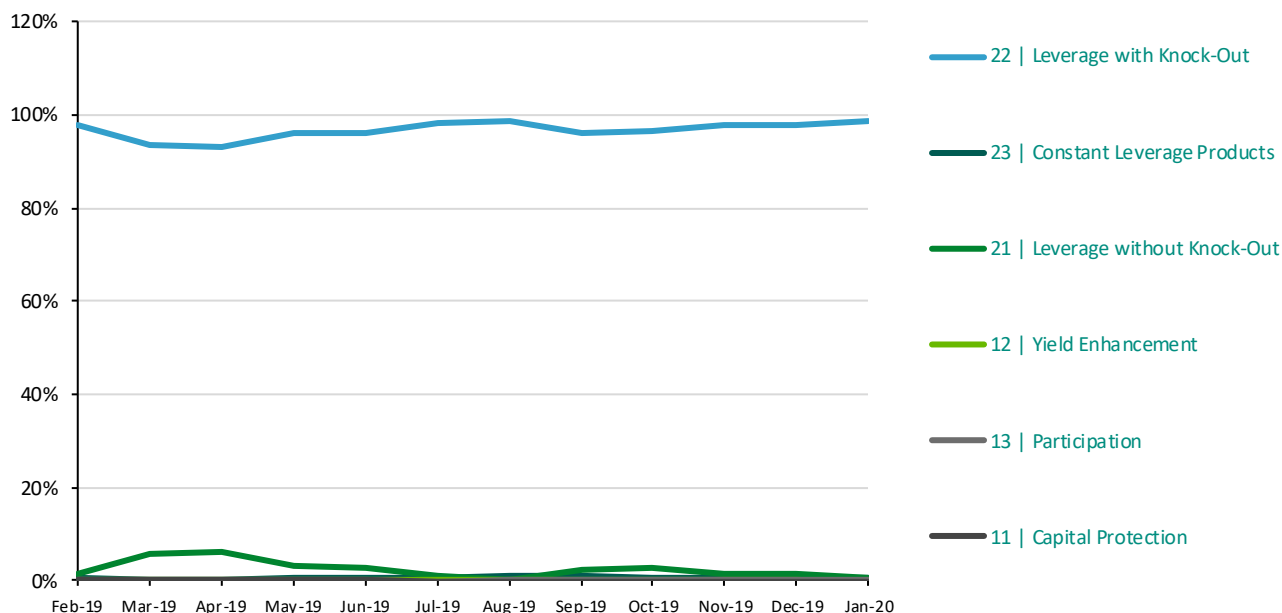
## Market Trend: Value traded

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

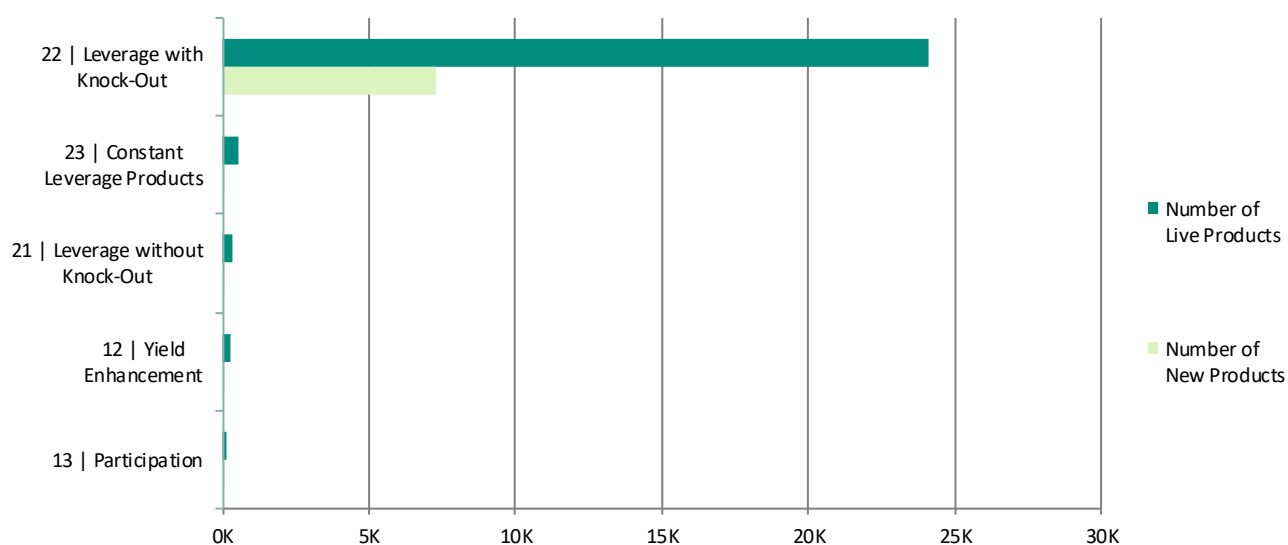
## Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product type (EUSIPA<sup>1</sup> 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	24,082	-1.0%	6.8%	95.2%	7,289	48%	15.8%	97.4%
23   Constant Leverage Products	518	14.9%	72%	2.0%	82	165%	147%	1.1%
21   Leverage without Knock-Out	293	-11.2%	3.2%	1.2%	51	183%	21%	0.7%
12   Yield Enhancement	246	-4.3%	-3.3%	1.0%	30	36%	2.6%	0.4%
13   Participation	151	7.3%	11.8%	0.6%	34	467%	252%	0.5%
<b>Total</b>	<b>25,292</b>	<b>-0.8%</b>	<b>7.5%</b>	<b>100%</b>	<b>7,486</b>	<b>49.8%</b>	<b>16.8%</b>	<b>100%</b>

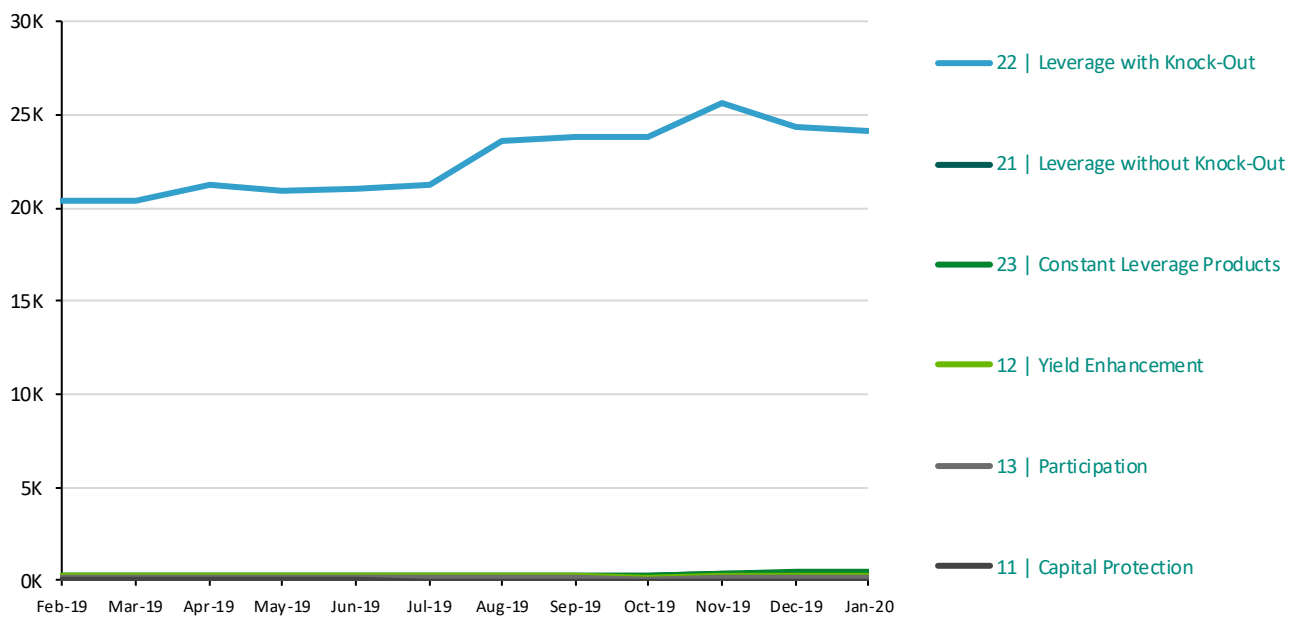
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

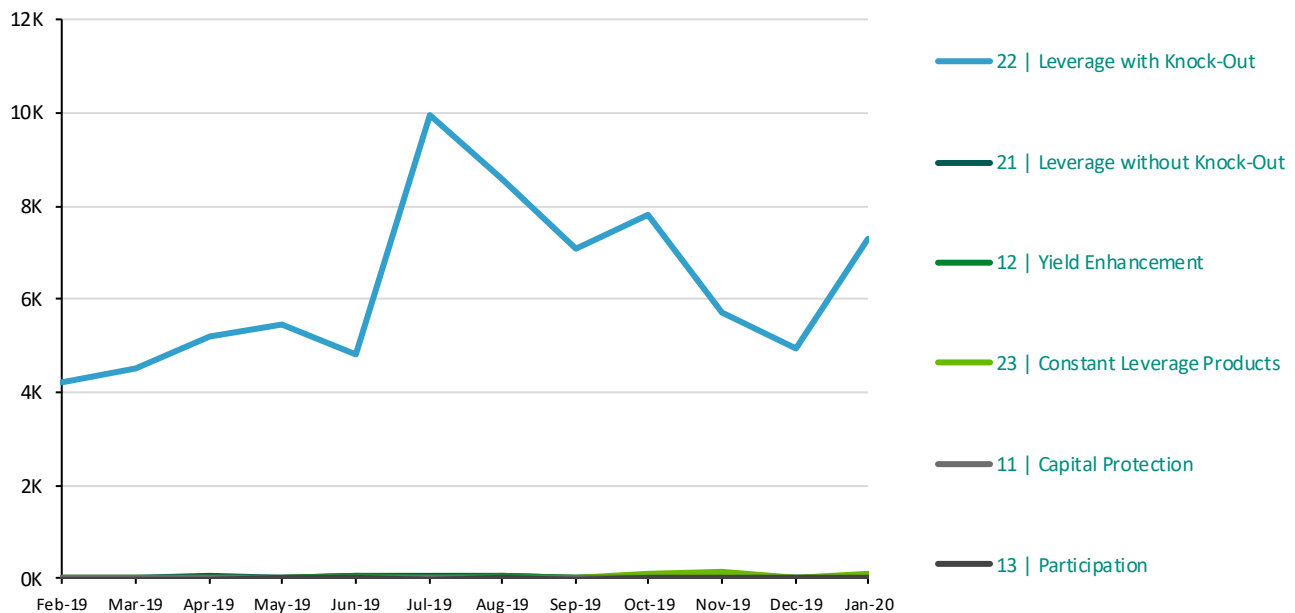
## Product Trend: Number of Live Products

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

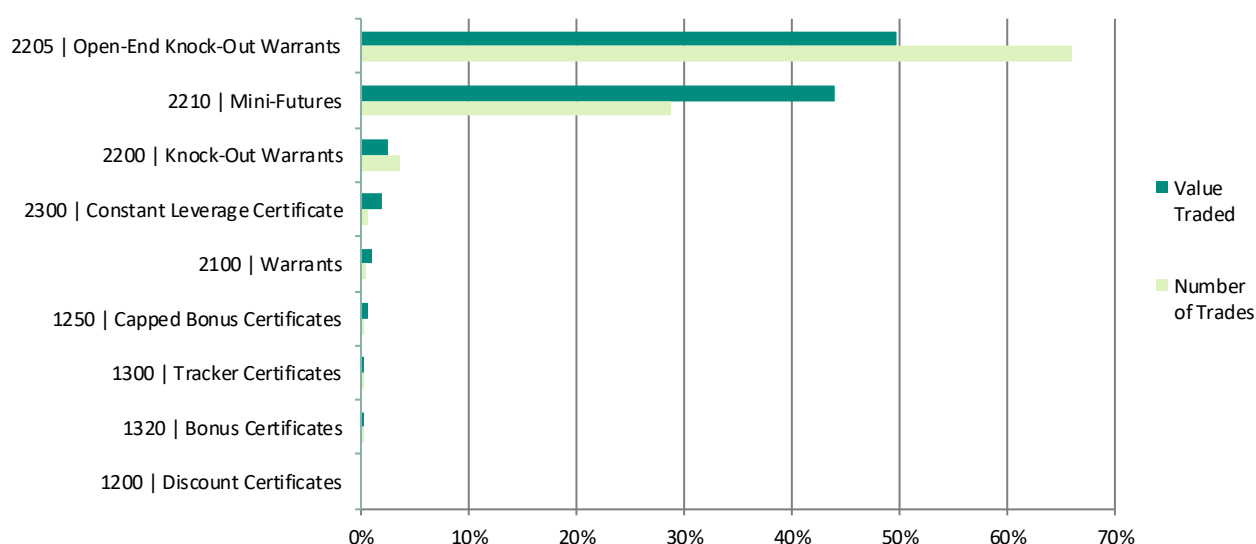
## Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product type (EUSIPA<sup>1</sup> 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	11,481	27%	19.5%	49.7%	5,426	28.0%	15.0%	66.2%
2210   Mini-Futures	10,165	51%	51%	44.0%	2,361	46%	24%	28.8%
2200   Knock-Out Warrants	585	50%	21%	2.5%	302	71%	-21%	3.7%
2300   Constant Leverage Certificate	441	263%	183%	1.9%	59	40%	17.8%	0.7%
2100   Warrants	237	-55%	-82%	1.0%	33	-57%	-80%	0.4%
1250   Capped Bonus Certificates	150	-26%	-24%	0.6%	14	-2.5%	-28%	0.2%
1300   Tracker Certificates	18	1.5%	-29%	0.1%	3.0	19.4%	18.2%	0.0%
1320   Bonus Certificates	14	548%	58%	0.1%	2.4	129%	13.8%	0.0%
1200   Discount Certificates	0			0.0%	0.0			0.0%
<b>Total</b>	<b>23,090</b>	<b>36%</b>	<b>24%</b>	<b>100%</b>	<b>8,199</b>	<b>33%</b>	<b>13.1%</b>	<b>100%</b>

(Source Euronext)

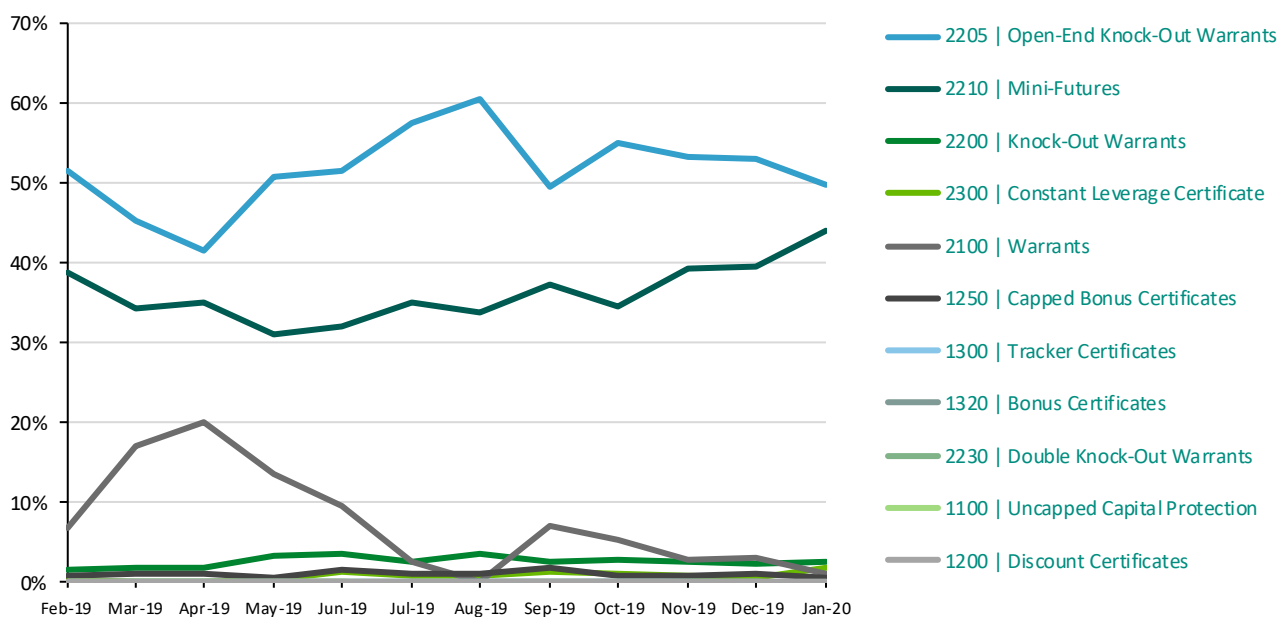




# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

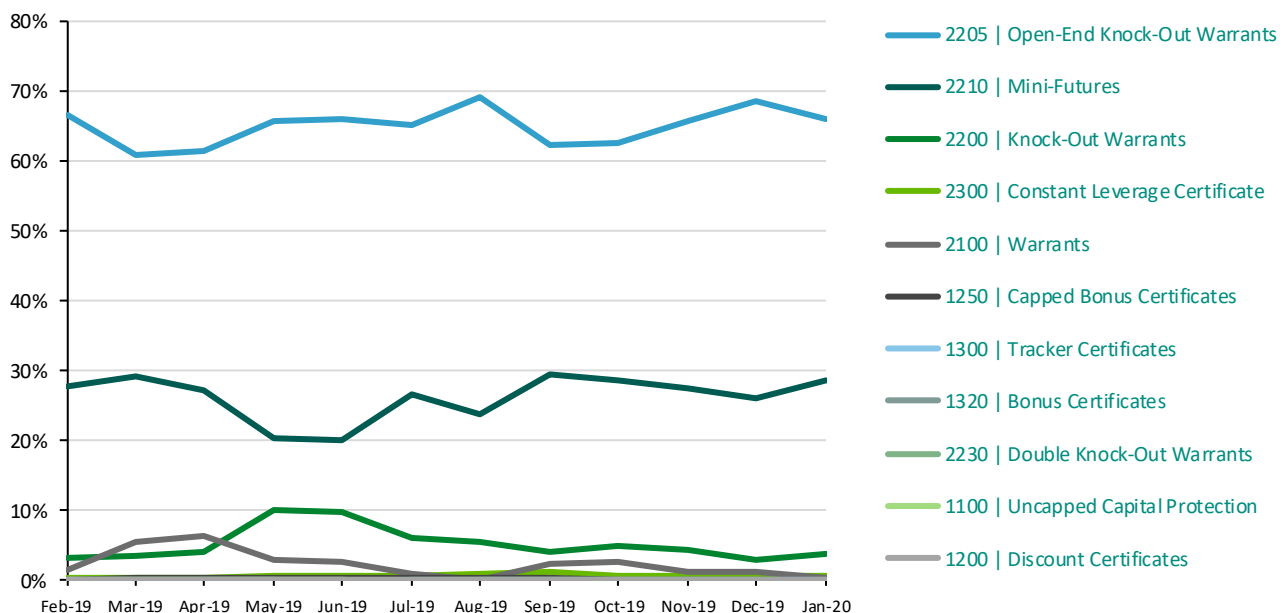
## Market Trend: Value traded

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

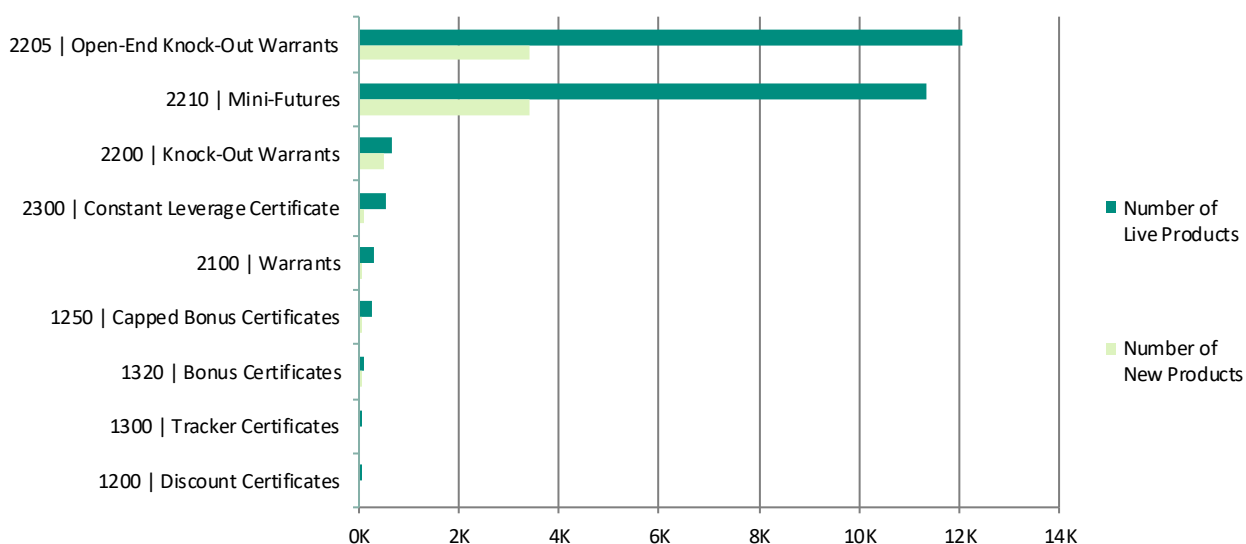
## Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Amsterdam per product type (EUSIPA<sup>1</sup> 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	12,066	1.7%	10.9%	47.7%	3,396	43%	11.6%	45.4%
2210   Mini-Futures	11,341	-2.1%	5.4%	44.8%	3,400	42%	19.9%	45.4%
2200   Knock-Out Warrants	670	-21%	-23%	2.7%	493	214%	22%	6.6%
2300   Constant Leverage Certificate	518	14.9%	72%	2.0%	82	165%	147%	1.1%
2100   Warrants	293	-11.2%	3.2%	1.2%	51	183%	21%	0.7%
1250   Capped Bonus Certificates	239	-4.5%	-4.6%	0.9%	30	36%	4.7%	0.4%
1320   Bonus Certificates	94	9.7%	21%	0.4%	34	467%	261%	0.5%
1300   Tracker Certificates	57	3.5%	-0.6%	0.2%	0		-100%	0.0%
1200   Discount Certificates	7	4.5%	82%	0.0%	0		-100%	0.0%
<b>Total</b>	<b>25,292</b>	<b>-0.8%</b>	<b>7.5%</b>	<b>100%</b>	<b>7,486</b>	<b>50%</b>	<b>16.8%</b>	<b>100%</b>

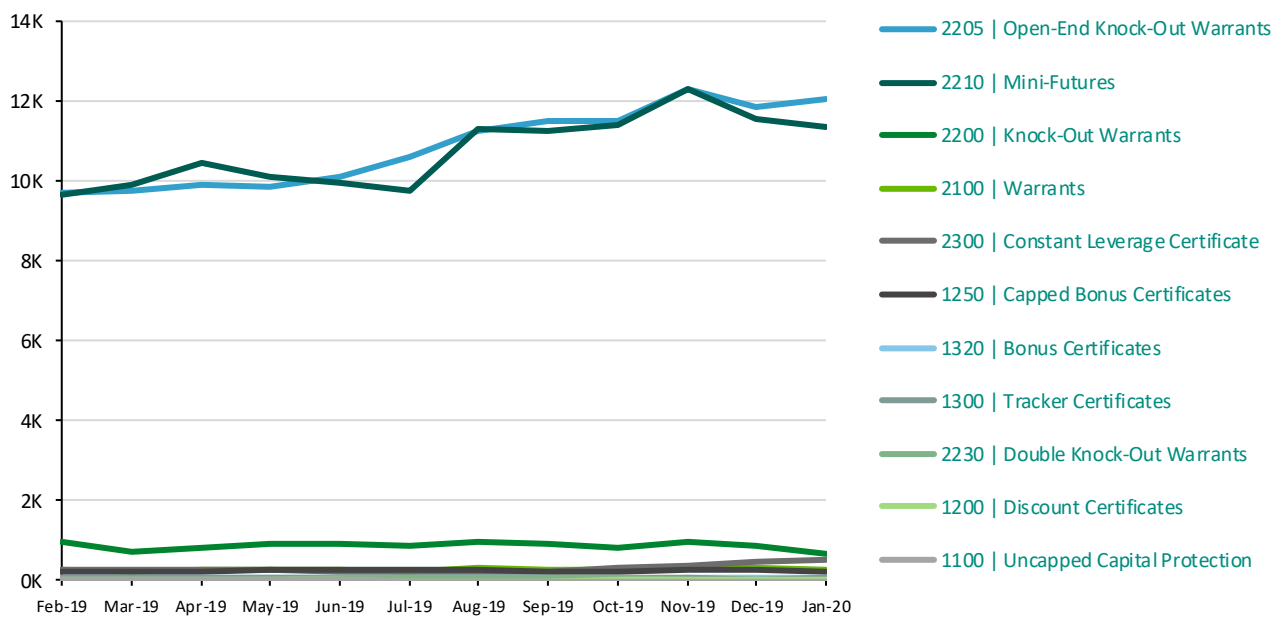
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> 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

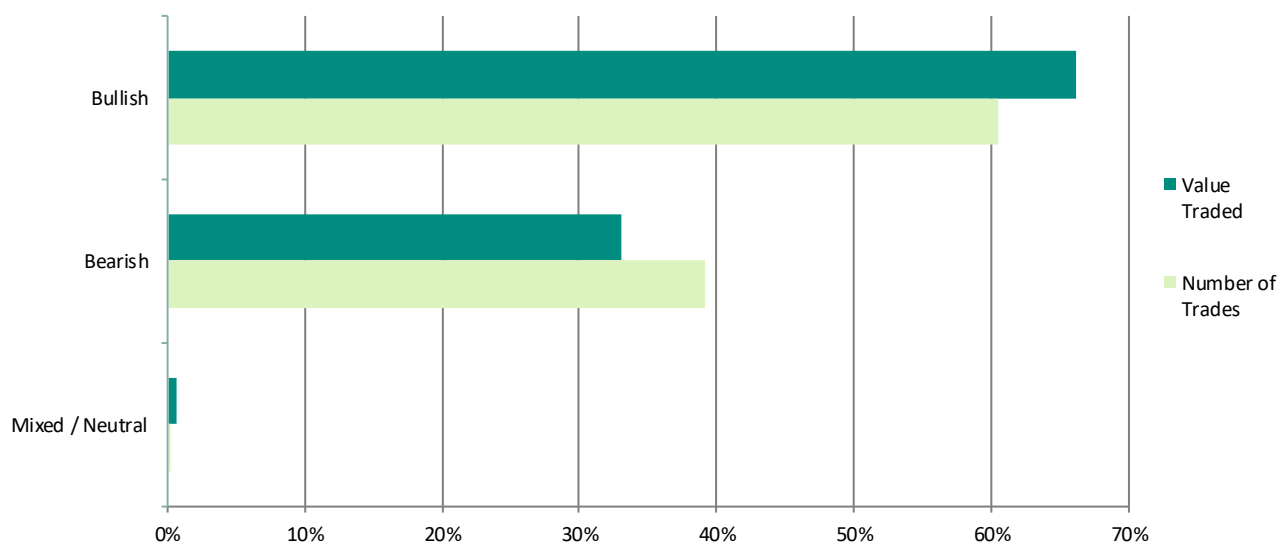
## Market Overview

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	15,294	30%	20%	66.2%	4,969	29.7%	10.3%	60.6%
Bearish	7,646	52%	34%	33.1%	3,215	39%	18.0%	39.2%
Mixed / Neutral	150	-26%	-24%	0.6%	14	-3.5%	-30%	0.2%
Total	23,090	35.7%	24.2%	100%	8,199	33.0%	13.1%	100%

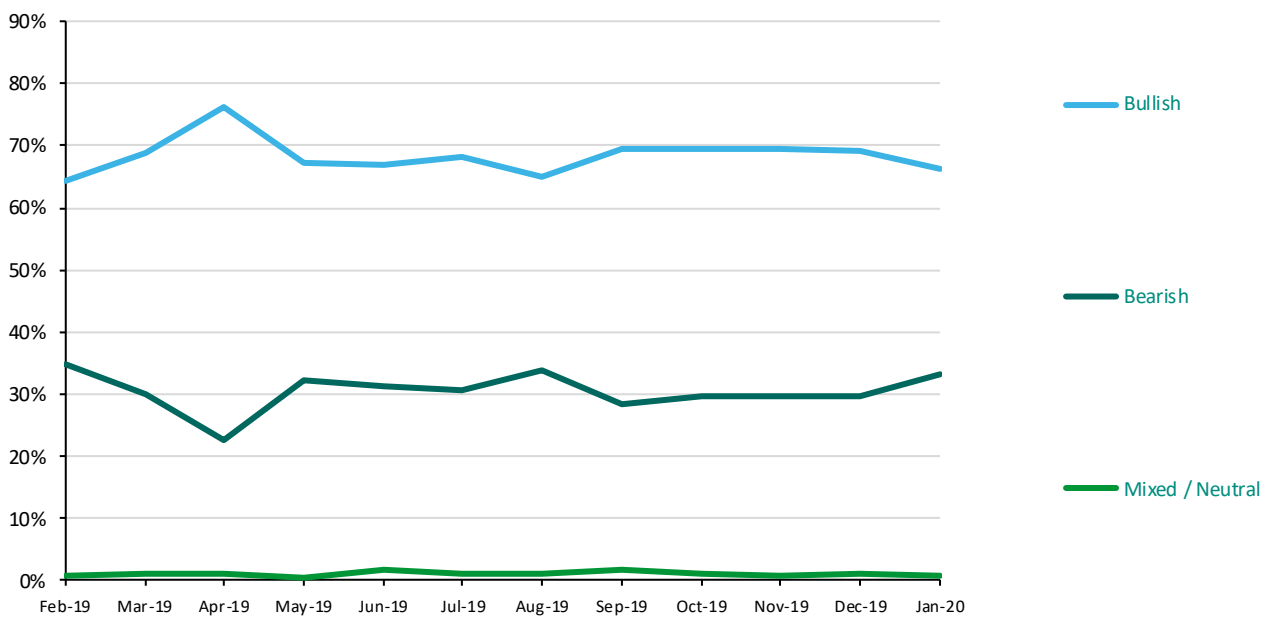
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# PRODUCT STRATEGIES

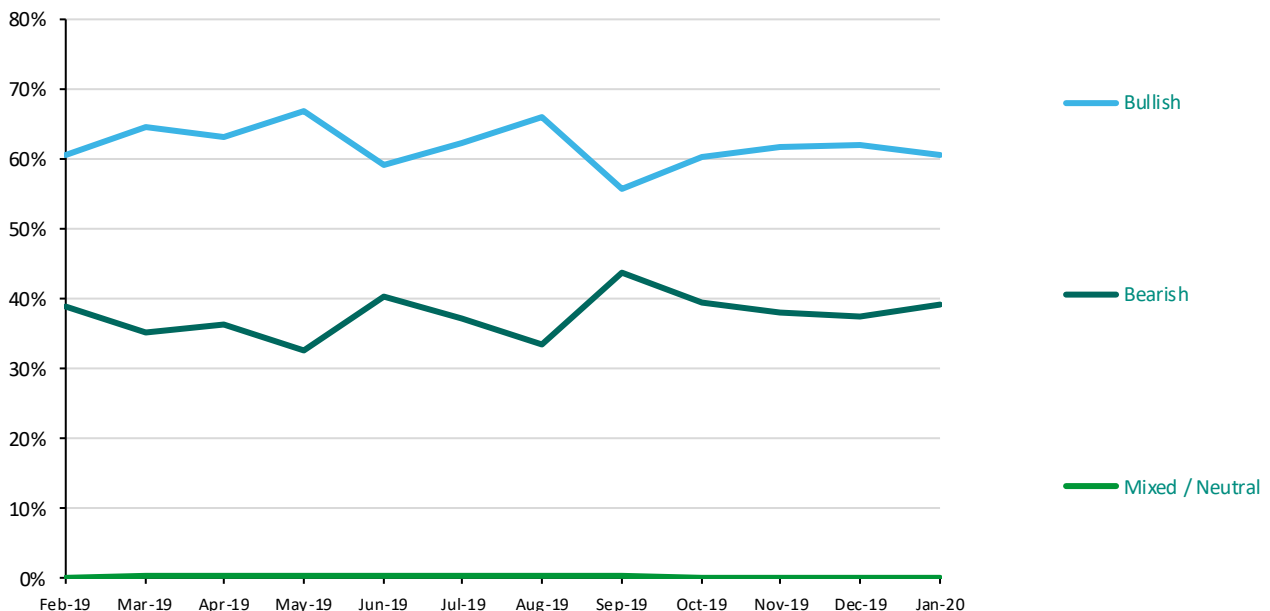
## Market Trend: Value traded

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

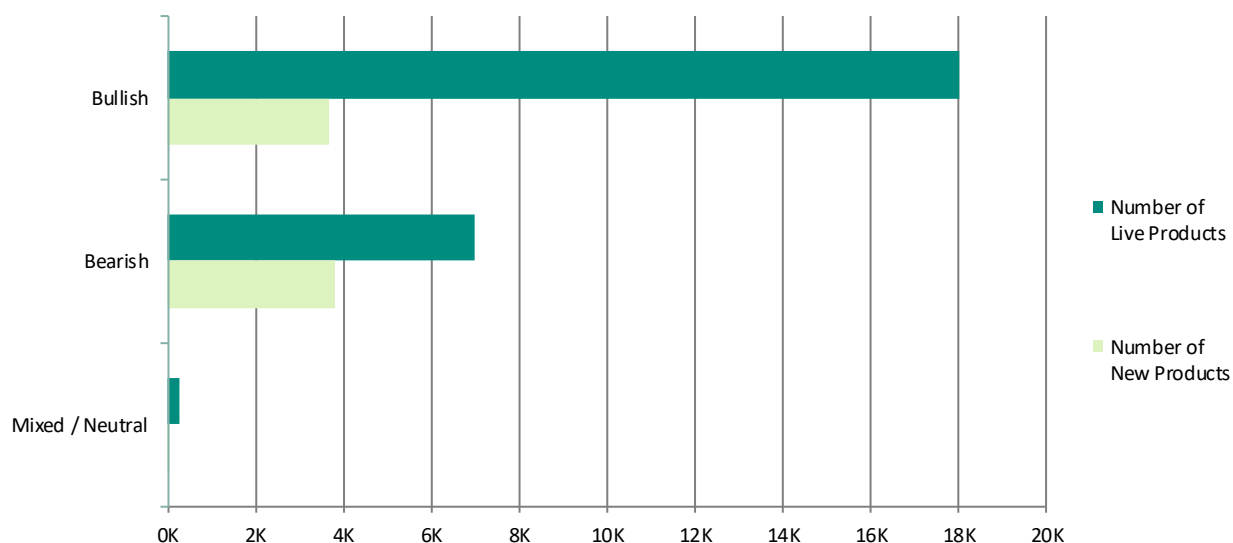
## Product Overview

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	18,040	0.6%	15.5%	71.3%	3,650	16.6%	-2.1%	48.8%
Bearish	6,999	-3.9%	-8.0%	27.7%	3,806	106%	44%	50.8%
Mixed / Neutral	253	-9.8%	-13.2%	1.0%	30	36%	-32%	0.4%
Total	25,292	-0.8%	7.5%	100%	7,486	49.8%	16.8%	100%

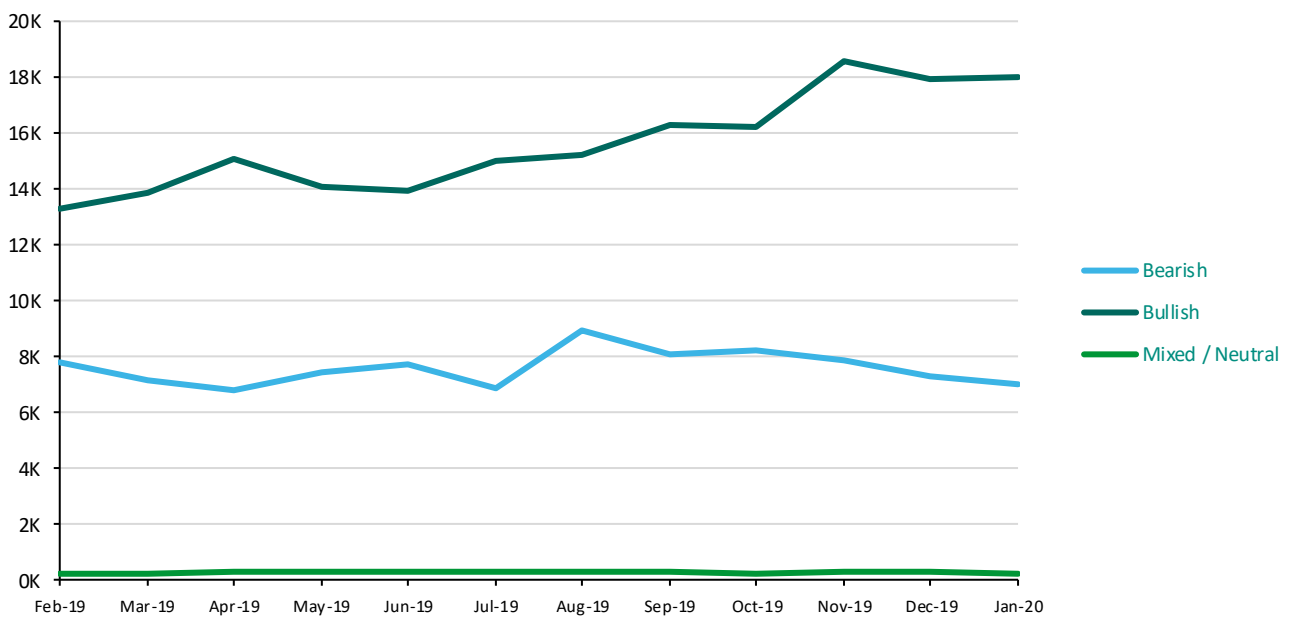
(Source Euronext)



# PRODUCT STRATEGIES

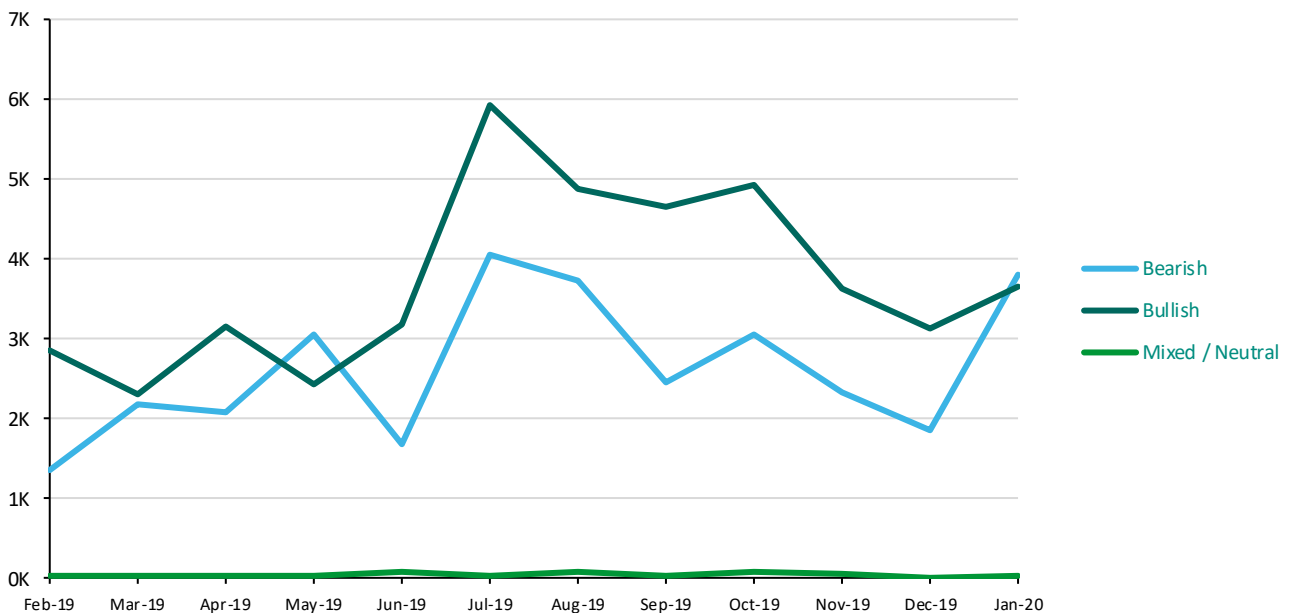
## Product Trend: Number of Live Products

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

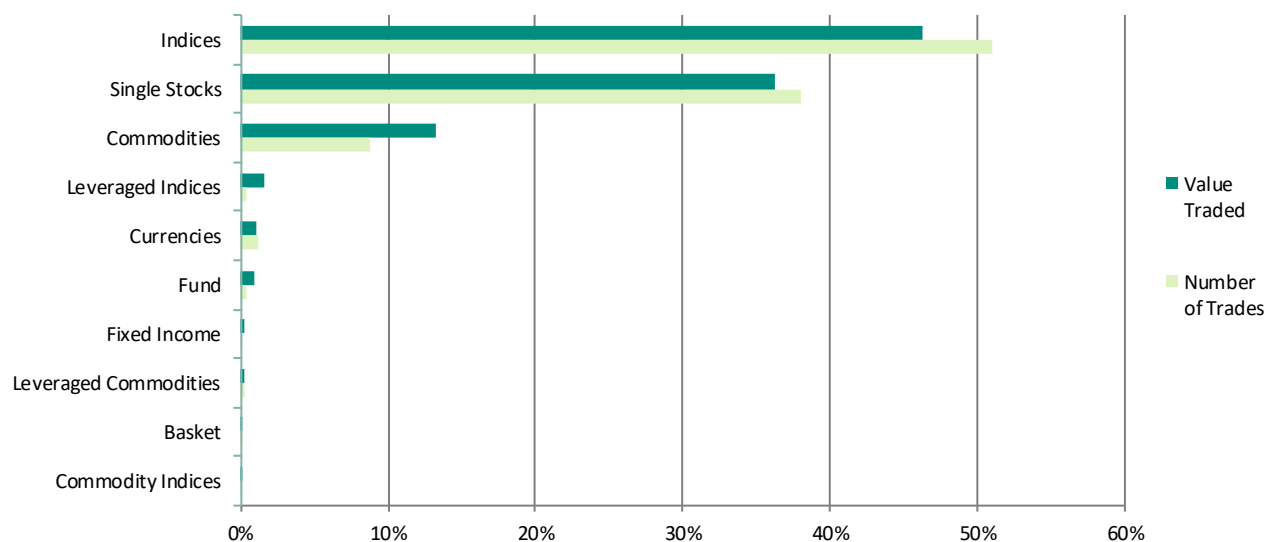
### Market Overview

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	10,697	39%	23%	46.3%	4,183	31.9%	11.5%	51.0%
Single Stocks	8,378	29%	43%	36.3%	3,120	37.9%	24.7%	38.1%
Commodities	3,059	54%	42%	13.2%	715	34.9%	9.2%	8.7%
Leveraged Indices	370	315%	291%	1.6%	32	85.0%	65.0%	0.4%
Currencies	230	15.5%	-35%	1.0%	92	3.5%	-28.5%	1.1%
Fund	224	-57%	-83%	1.0%	30	-60.1%	-81.5%	0.4%
Fixed Income	65	145%	99%	0.3%	11	17.6%	-30.1%	0.1%
Leveraged Commodities	57	425%	79%	0.2%	14	49.0%	14.0%	0.2%
Basket	9	-29%	-39%	0.0%	1.0	-30.3%	-18.2%	0.0%
Commodity Indices	0	79%	-73%	0.0%	0.1	-9.1%	44.9%	0.0%
<b>Total</b>	<b>23,090</b>	<b>35.7%</b>	<b>24.2%</b>	<b>100%</b>	<b>8,199</b>	<b>33.0%</b>	<b>13.1%</b>	<b>100%</b>

(Source Euronext)

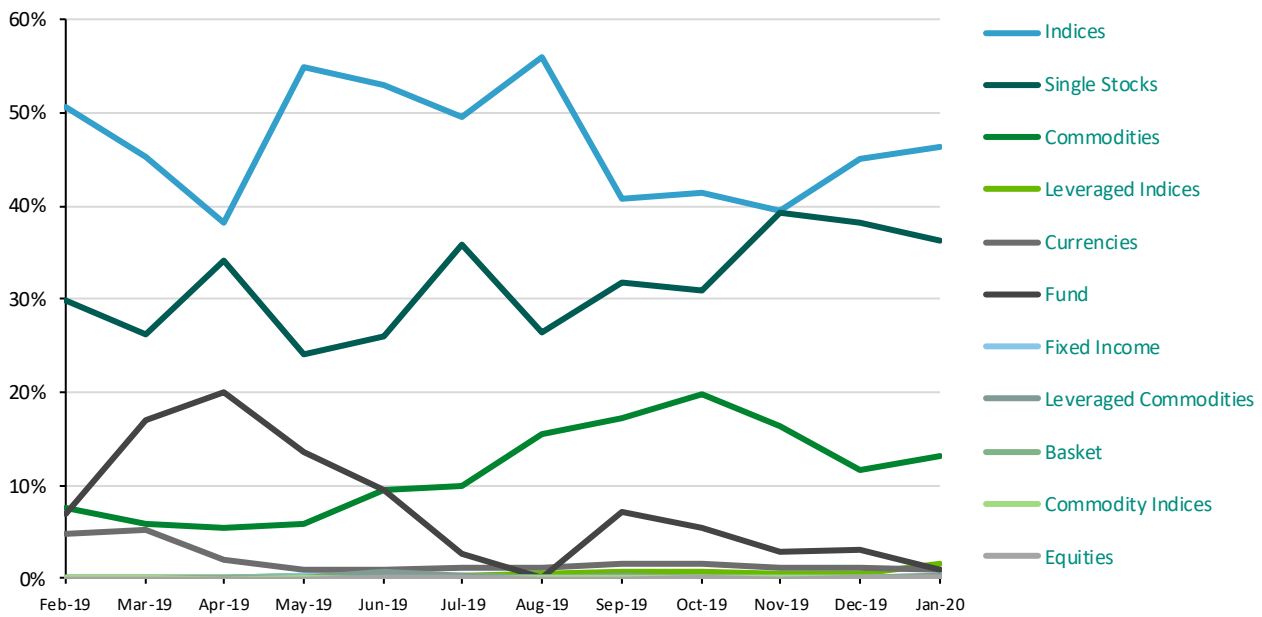




# UNDERLYING TYPES

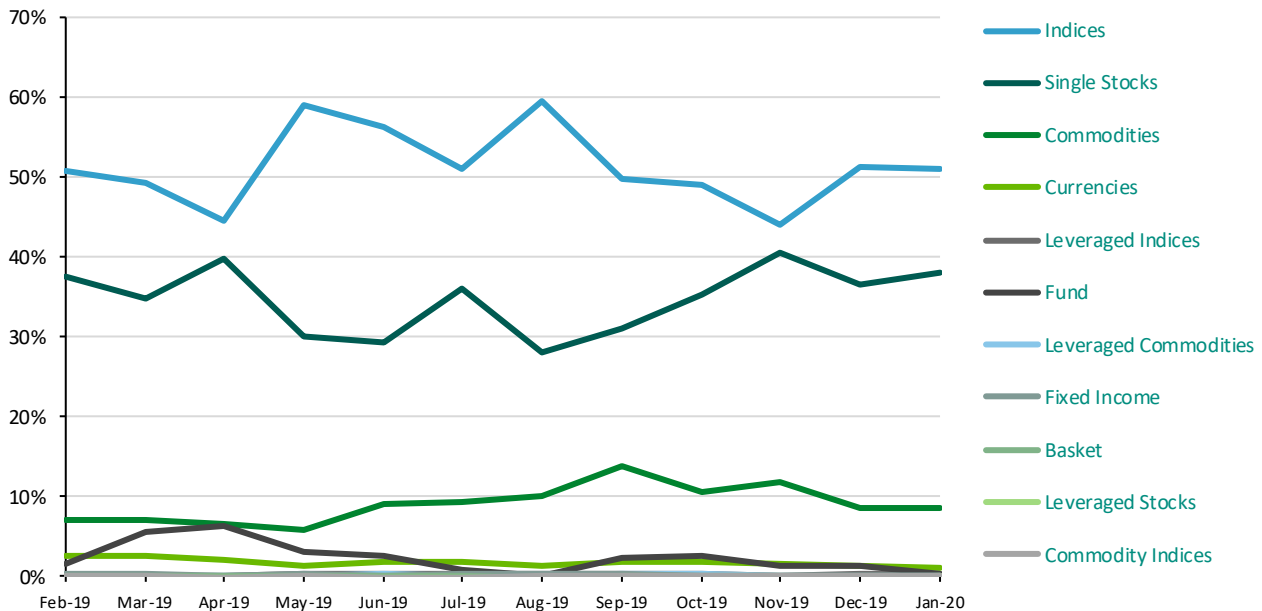
## Market Trend: Value traded

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

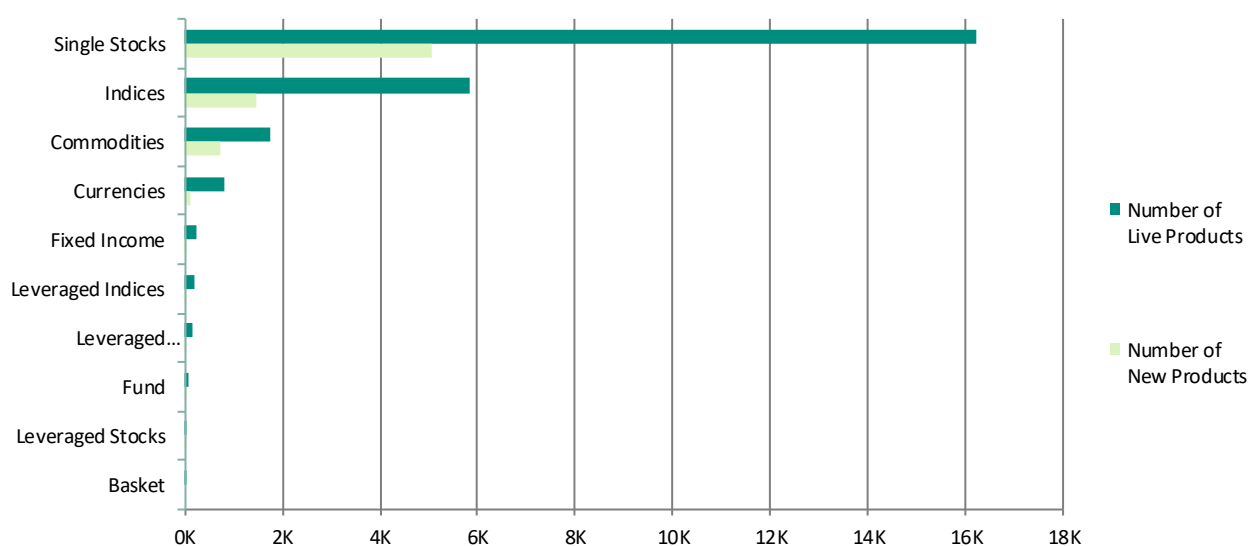
## Product Overview

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	16,205	-0.2%	16.3%	64.1%	5,073	55%	24%	67.8%
Indices	5,830	-2.1%	-8.5%	23.1%	1,466	14.8%	-11.6%	19.6%
Commodities	1,734	-1.8%	1.2%	6.9%	729	125%	62%	9.7%
Currencies	803	-7.8%	-17.7%	3.2%	124	32%	-27%	1.7%
Fixed Income	227	-9.0%	-8.4%	0.9%	9	12.5%	-60%	0.1%
Leveraged Indices	195	14.2%	66%	0.8%	31	NA	180%	0.4%
Leveraged Commodities	145	33%	163%	0.6%	49	277%	332%	0.7%
Fund	90	6.6%	14.9%	0.4%	3		20.0%	0.0%
Leveraged Stocks	42	21%	366%	0.2%	2	-86%	-53%	0.0%
Basket	14	0.0%	-2.0%	0.1%	0			0.0%
<b>Total</b>	<b>25,292</b>	<b>-0.8%</b>	<b>7.5%</b>	<b>100%</b>	<b>7,486</b>	<b>49.8%</b>	<b>16.8%</b>	<b>100%</b>

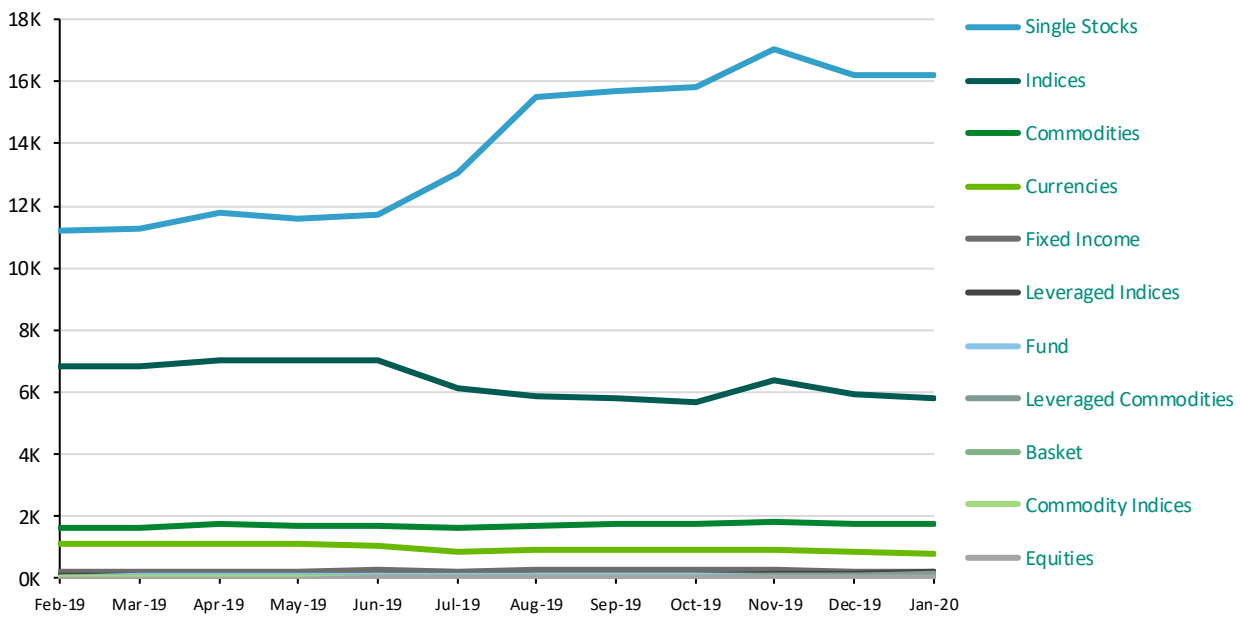
(Source Euronext)



# UNDERLYING TYPES

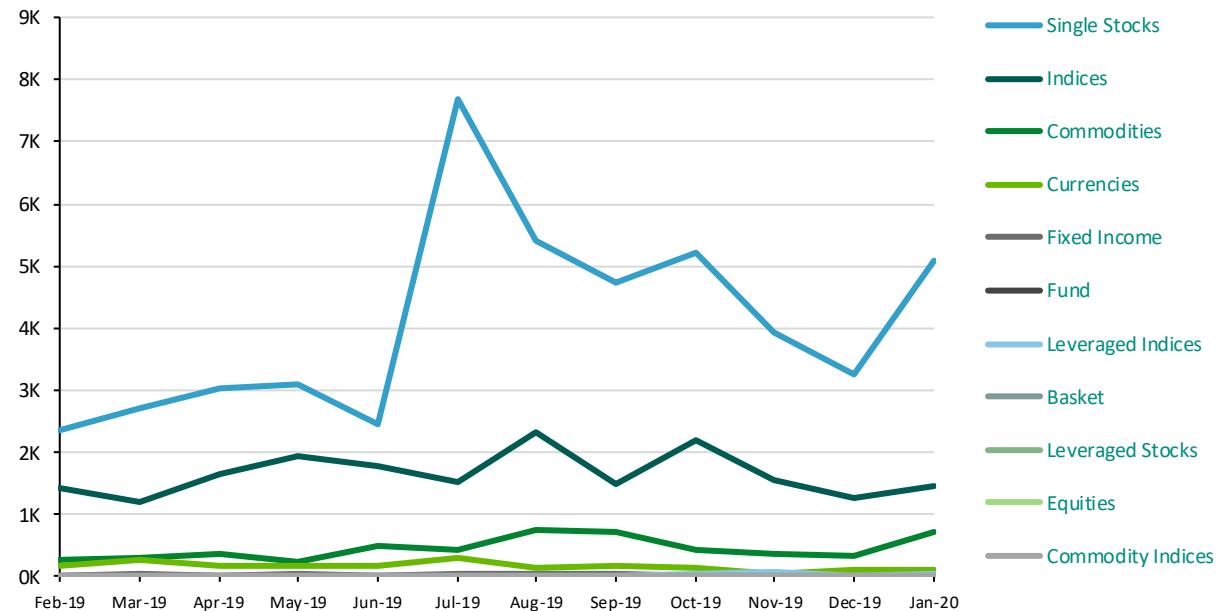
## Product Trend: Number of Live Products

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

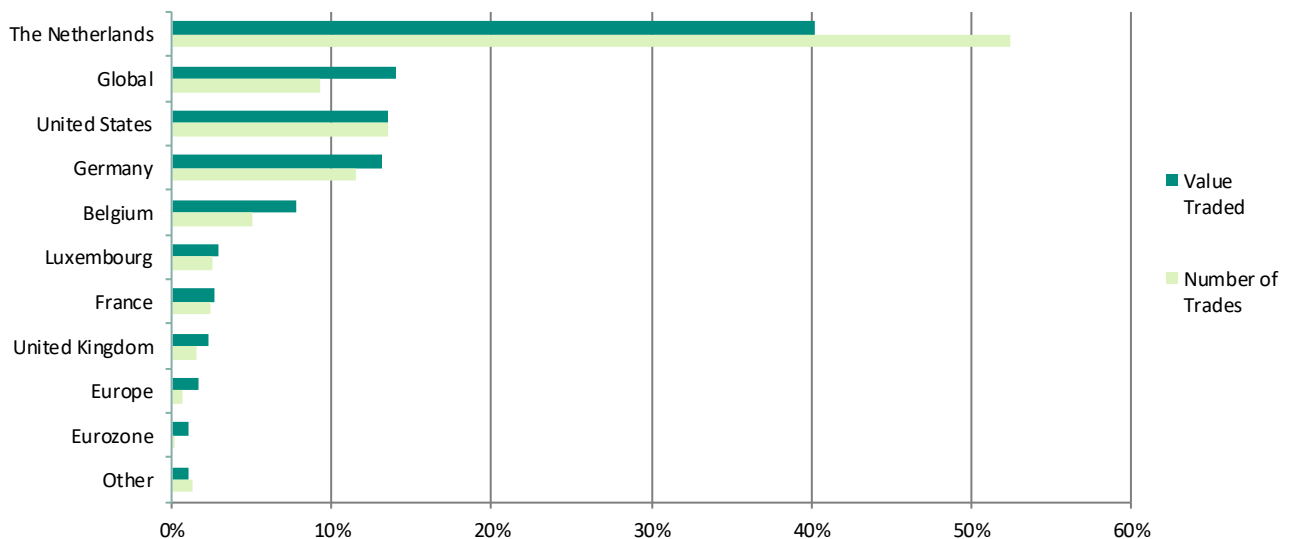
## Market Overview

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	9,294	29%	17.5%	40.3%	4,308	31.3%	16.1%	52.5%
Global	3,221	54%	37%	13.9%	756	35%	8.0%	9.2%
United States	3,120	81%	47%	13.5%	1,102	60%	30%	13.4%
Germany	3,030	94%	52%	13.1%	947	56%	9.4%	11.5%
Belgium	1,786	-15.3%	34%	7.7%	408	-6.0%	11.2%	5.0%
Luxembourg	674	14.3%	36%	2.9%	205	7.0%	-3.6%	2.5%
France	605	20%	59%	2.6%	194	44%	7.0%	2.4%
United Kingdom	517	39%	135%	2.2%	121	17.5%	62%	1.5%
Europe	381	-45%	-75%	1.6%	51	-47%	-73%	0.6%
Eurozone	232	493%	790%	1.0%	4.4	223%	583%	0.1%
Other	230	46%	-3.9%	1.0%	102	49%	7.1%	1.2%
<b>Total</b>	<b>23,090</b>	<b>35.7%</b>	<b>24.2%</b>	<b>100%</b>	<b>8,199</b>	<b>33.0%</b>	<b>13.1%</b>	<b>100%</b>

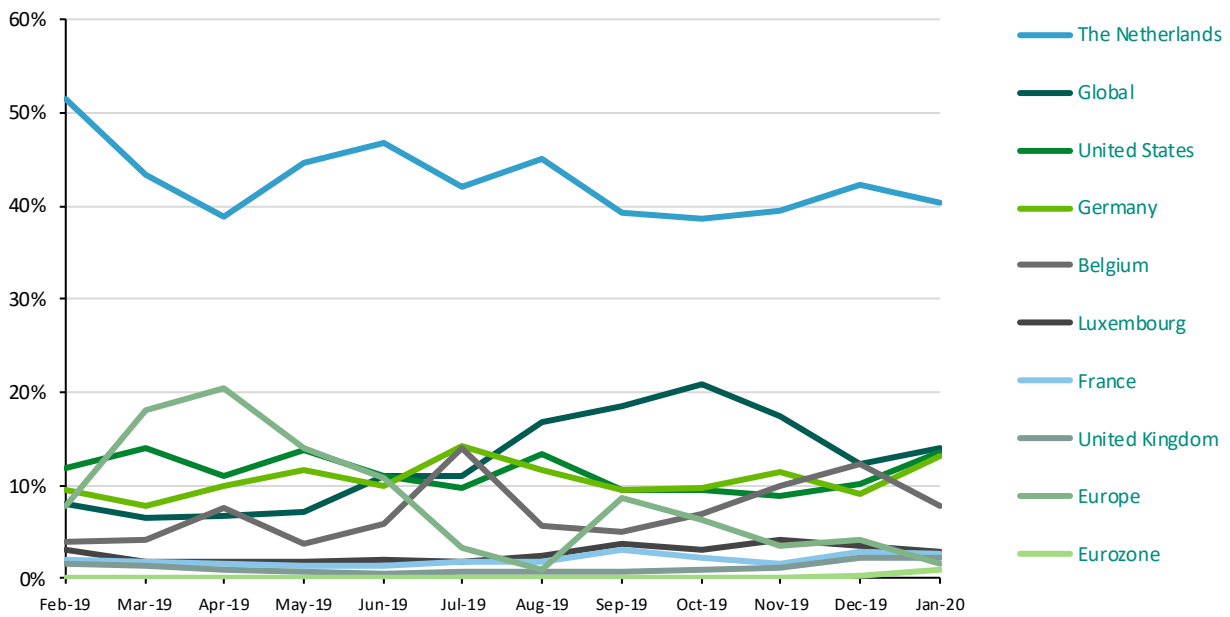
(Source Euronext)



# TOP 10 UNDERLYING COUNTRIES

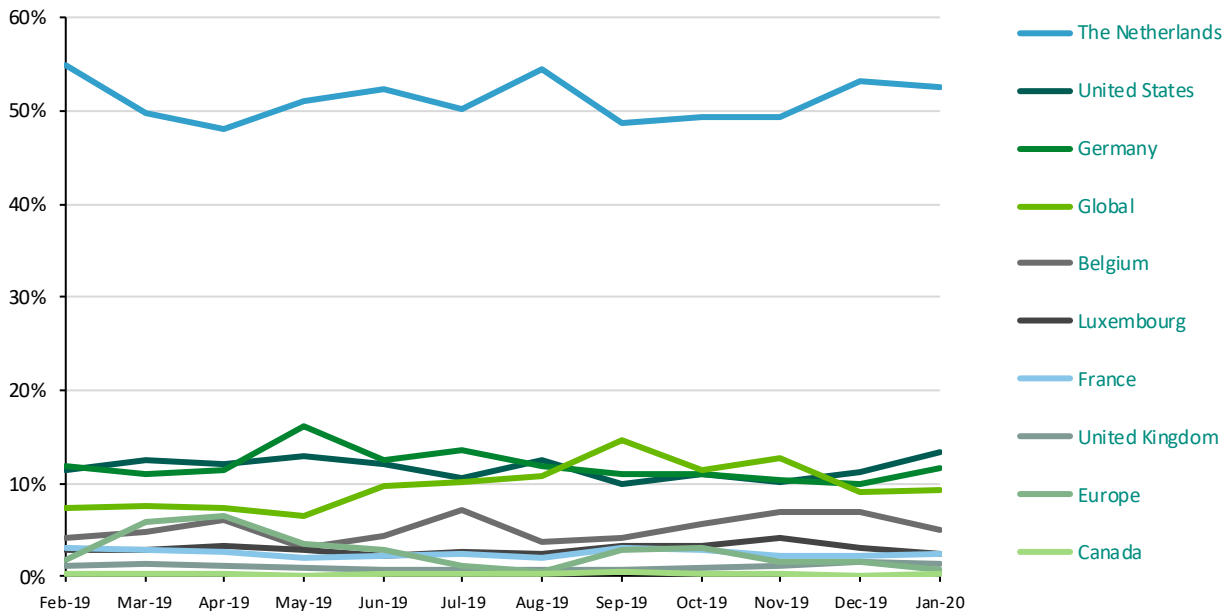
## Market Trend: Value traded

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

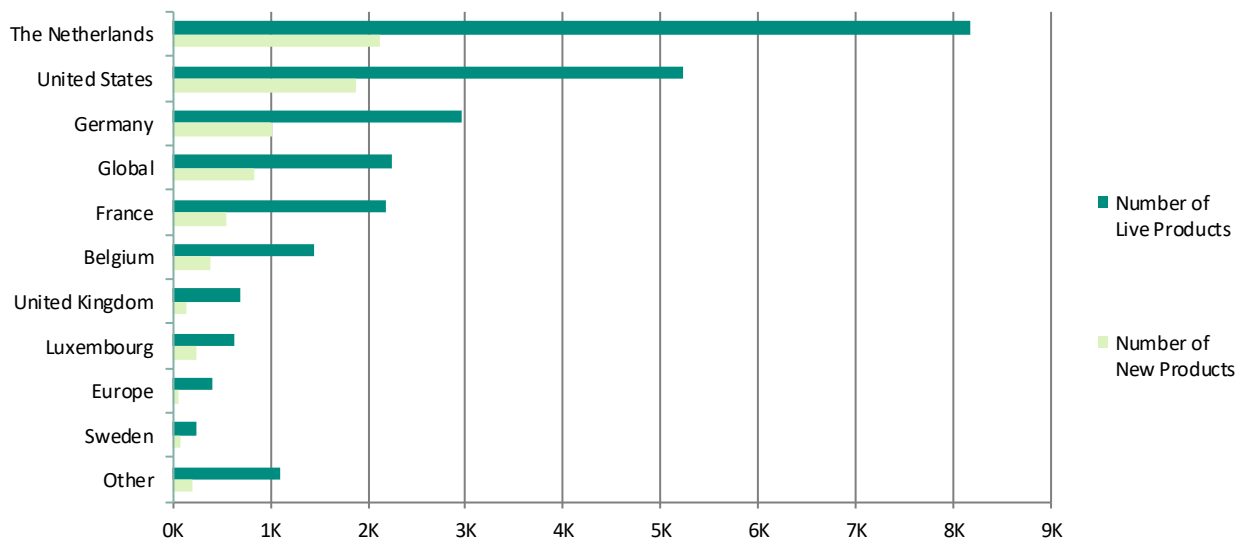
## Product Overview

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	8,170	-3.5%	5.3%	32.3%	2,122	17.9%	2.6%	28.3%
United States	5,225	1.4%	9.0%	20.7%	1,878	88%	30%	25.1%
Germany	2,952	3.8%	11.0%	11.7%	1,020	68%	16.9%	13.6%
Global	2,241	0.4%	5.8%	8.9%	824	124%	62%	11.0%
France	2,179	-5.1%	7.6%	8.6%	553	34%	6.7%	7.4%
Belgium	1,453	-2.7%	11.7%	5.7%	378	55%	19.9%	5.0%
United Kingdom	696	0.7%	11.9%	2.8%	136	6.3%	0.6%	1.8%
Luxembourg	624	-4.0%	14.8%	2.5%	238	22%	-5.8%	3.2%
Europe	401	5.7%	-0.1%	1.6%	60	36%	6.7%	0.8%
Sweden	242	2.4%	7.9%	1.0%	72	60%	12.4%	1.0%
Other	1,109	4.6%	3.0%	4.4%	205	30%	14.9%	2.7%
<b>Total</b>	<b>25,292</b>	<b>-0.8%</b>	<b>7.5%</b>	<b>100%</b>	<b>7,486</b>	<b>49.8%</b>	<b>16.8%</b>	<b>100%</b>

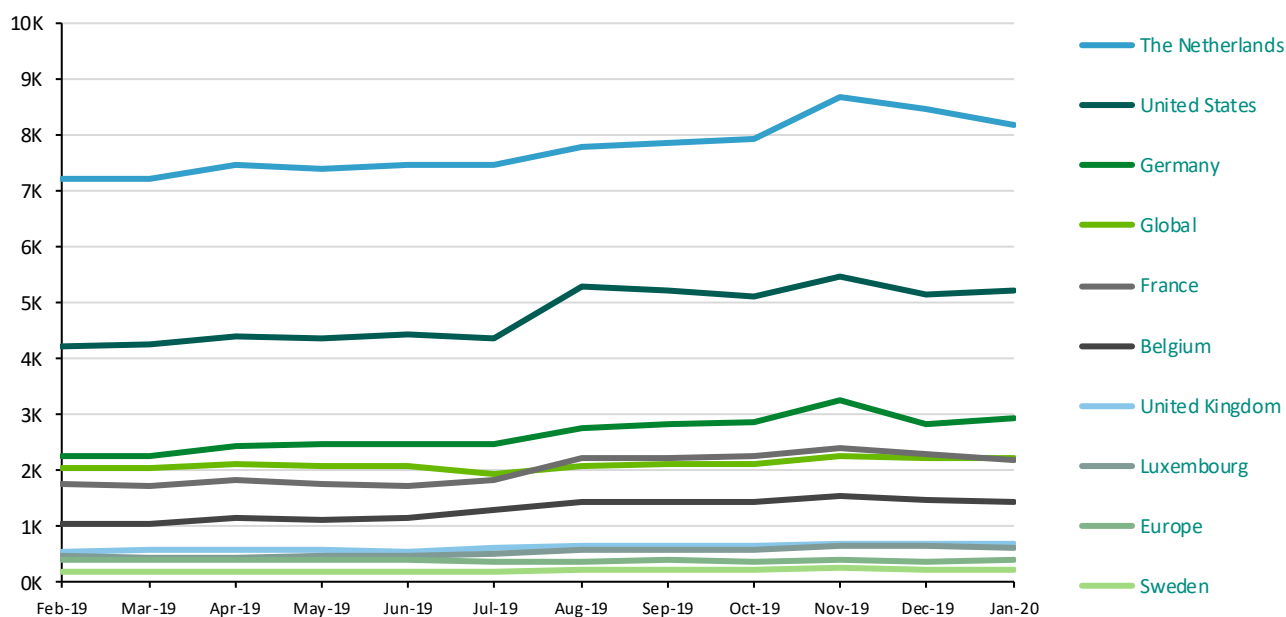
(Source Euronext)



# TOP 10 UNDERLYING COUNTRIES

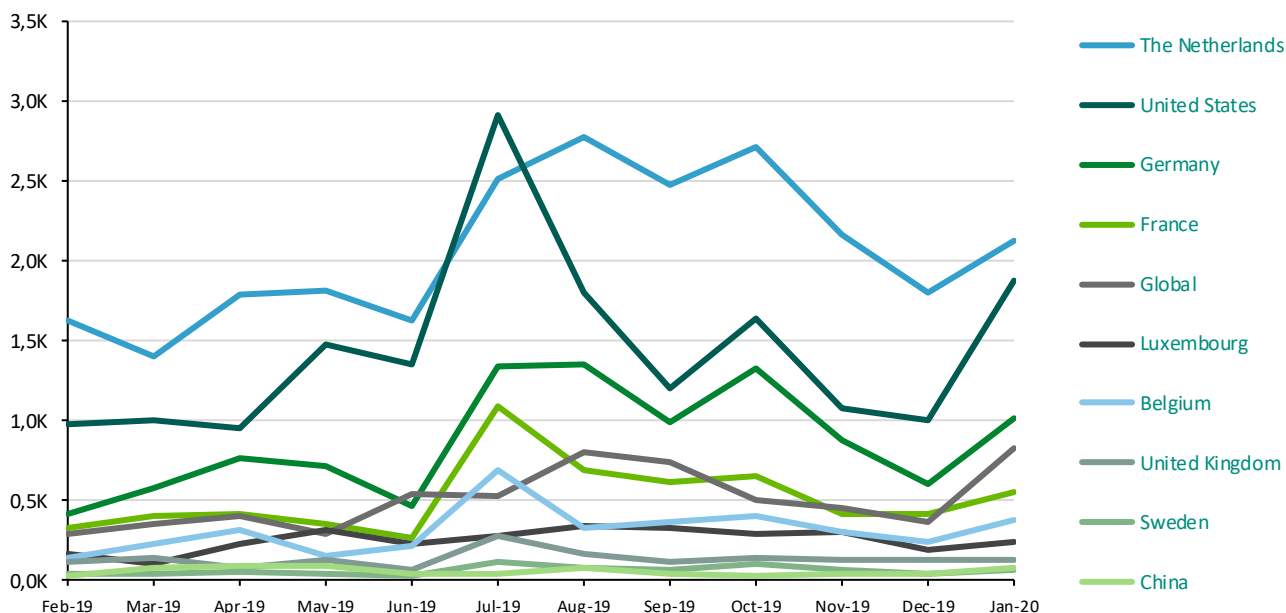
## Product Trend: Number of Live Products

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

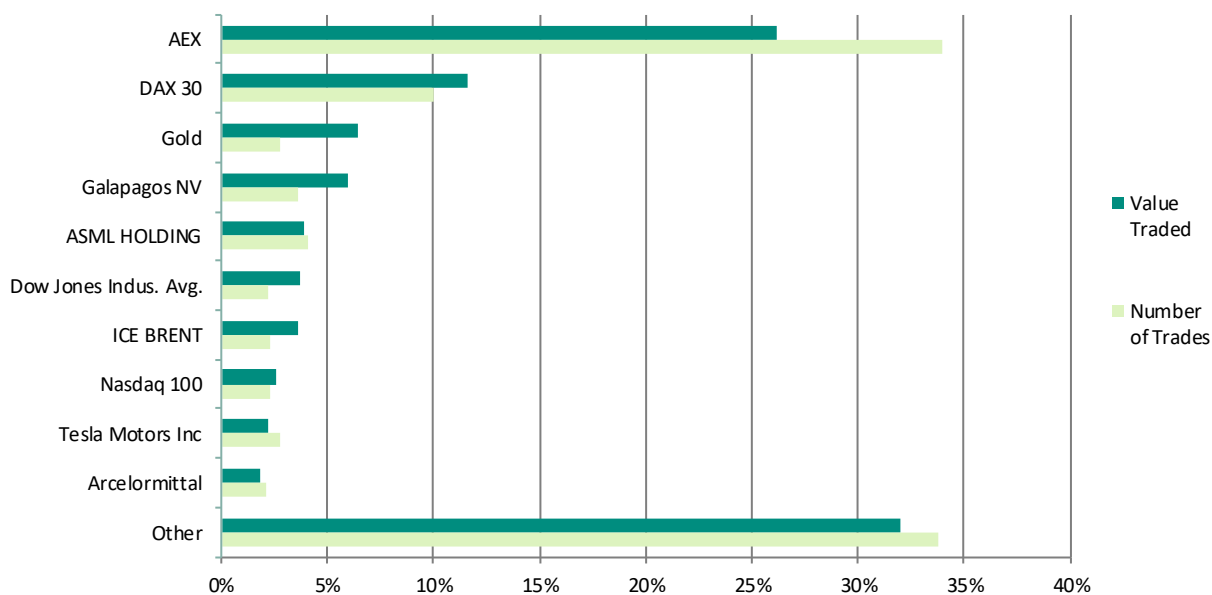
## Market Overview

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	6,035	28%	15.5%	26.1%	2,787	30.2%	16.5%	34.0%
DAX 30	2,679	89%	54%	11.6%	819	51%	9.4%	10.0%
Gold	1,493	86%	43%	6.5%	229	34%	-3.4%	2.8%
Galapagos NV	1,375	-26%	33%	6.0%	296	-15.6%	18.2%	3.6%
ASML HOLDING	907	41%	65%	3.9%	337	75%	74%	4.1%
Dow Jones Indus. Avg.	858	42%	58%	3.7%	182	16.3%	-11.3%	2.2%
ICE BRENT	838	17.7%	60%	3.6%	190	10.0%	1.6%	2.3%
Nasdaq 100	596	79%	10.5%	2.6%	186	25%	-2.8%	2.3%
Tesla Motors Inc	509	406%	165%	2.2%	225	245%	176%	2.7%
Arcelormittal	411	41%	23%	1.8%	173	11.3%	-0.4%	2.1%
Other	7,389	33%	7.8%	32.0%	2,774	34%	7.2%	33.8%
Total	23,090	35.7%	24.2%	100%	8,199	33.0%	13.1%	100%

(Source Euronext)

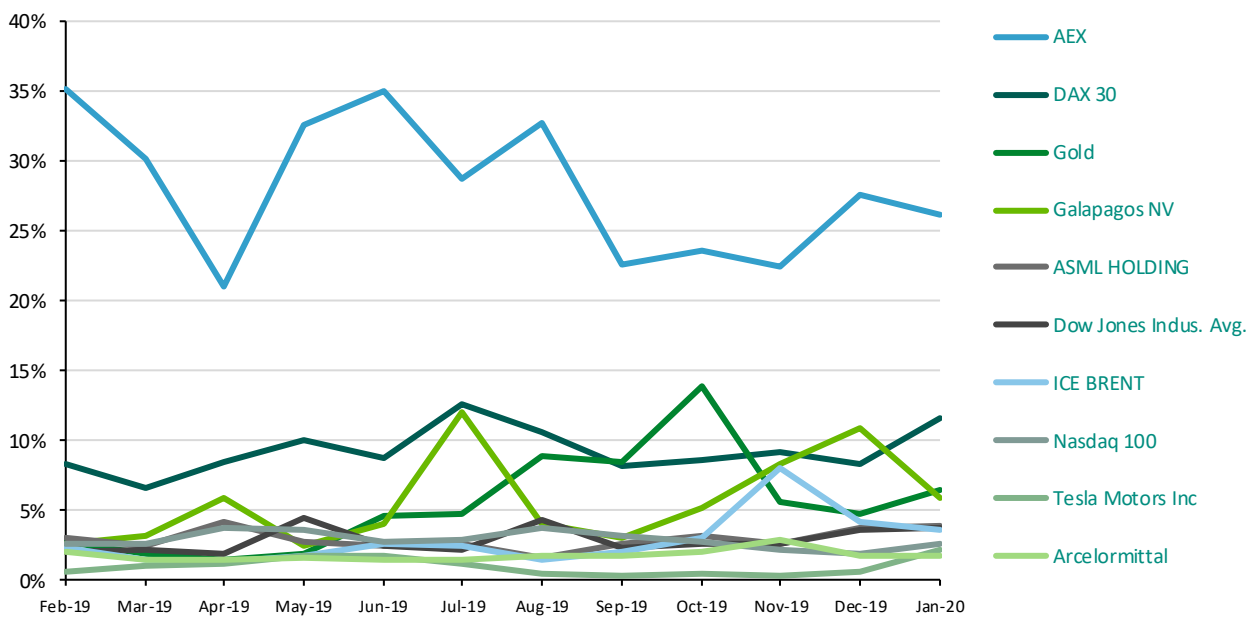




# TOP 10 UNDERLYINGS

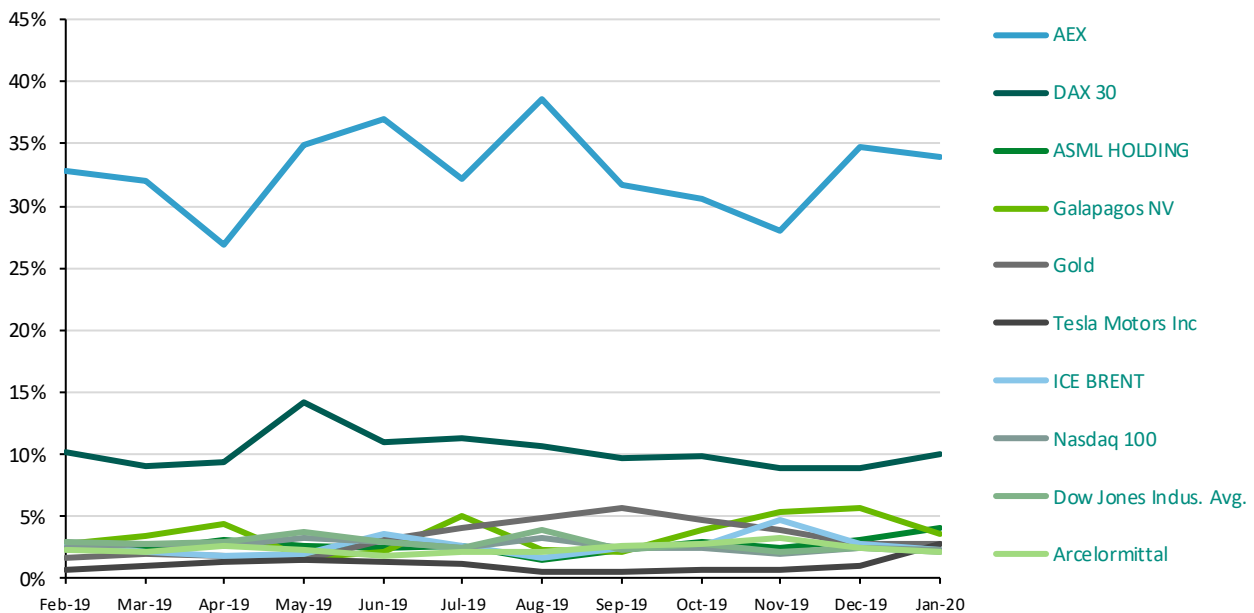
## Market Trend: Value traded

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

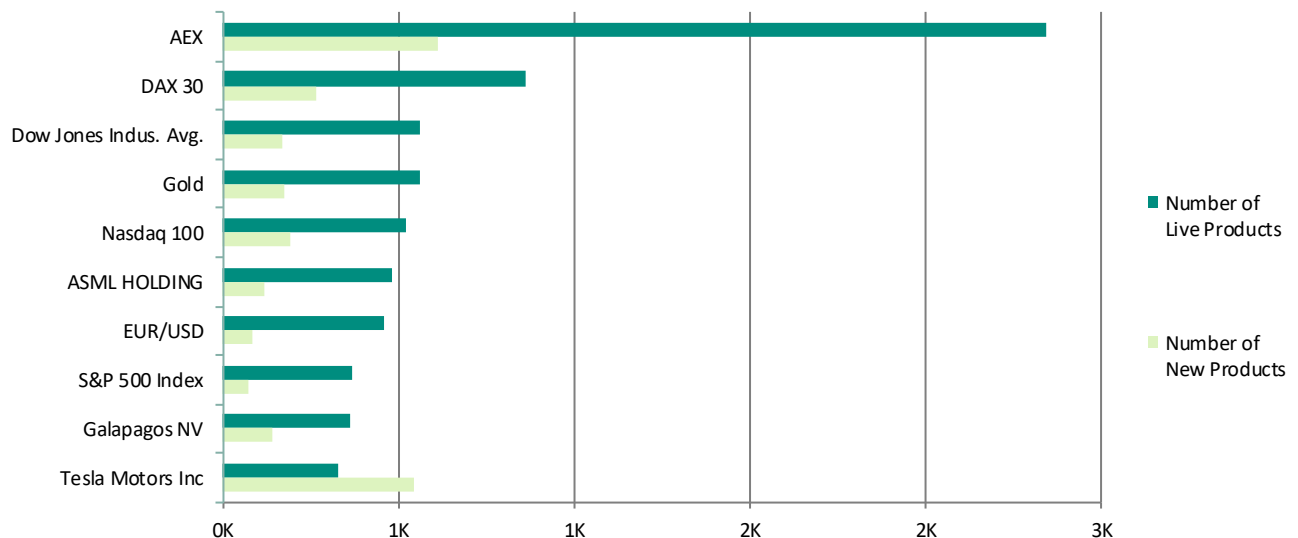
## Product Overview

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	2,346	-4.7%	-0.9%	9.3%	611	-12.2%	-16.0%	8.2%
DAX 30	864	1.7%	-10.6%	3.4%	265	105%	-3.3%	3.5%
Dow Jones Indus. Avg.	563	-1.0%	-20%	2.2%	167	65%	-19.8%	2.2%
Gold	560	2.5%	4.5%	2.2%	177	240%	81%	2.4%
Nasdaq 100	518	1.6%	-9.1%	2.0%	191	35%	9.2%	2.6%
ASML HOLDING	480	-1.7%	10.6%	1.9%	118	-8.5%	-8.1%	1.6%
EUR/USD	461	-5.9%	-12.1%	1.8%	85	89%	0.4%	1.1%
S&P 500 Index	366	-6.1%	-22%	1.4%	70	11.1%	-20%	0.9%
Galapagos NV	362	1.7%	40%	1.4%	140	35%	61%	1.9%
Tesla Motors Inc	328	24%	54%	1.3%	543	262%	261%	7.3%
Other	18,442	-0.7%	11.9%	72.9%	5,119	51%	16.6%	68.4%
<b>Total</b>	<b>25,292</b>	<b>-0.8%</b>	<b>7.5%</b>	<b>100%</b>	<b>7,486</b>	<b>49.8%</b>	<b>16.8%</b>	<b>100%</b>

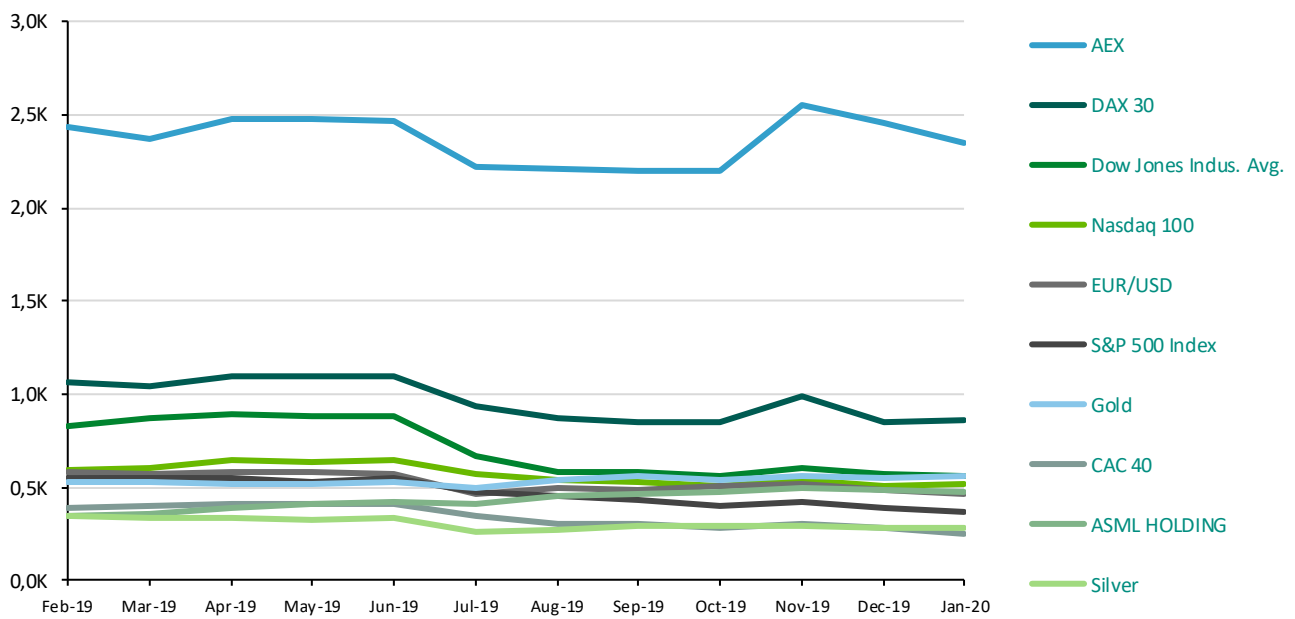
(Source Euronext)



# TOP 10 UNDERLYINGS

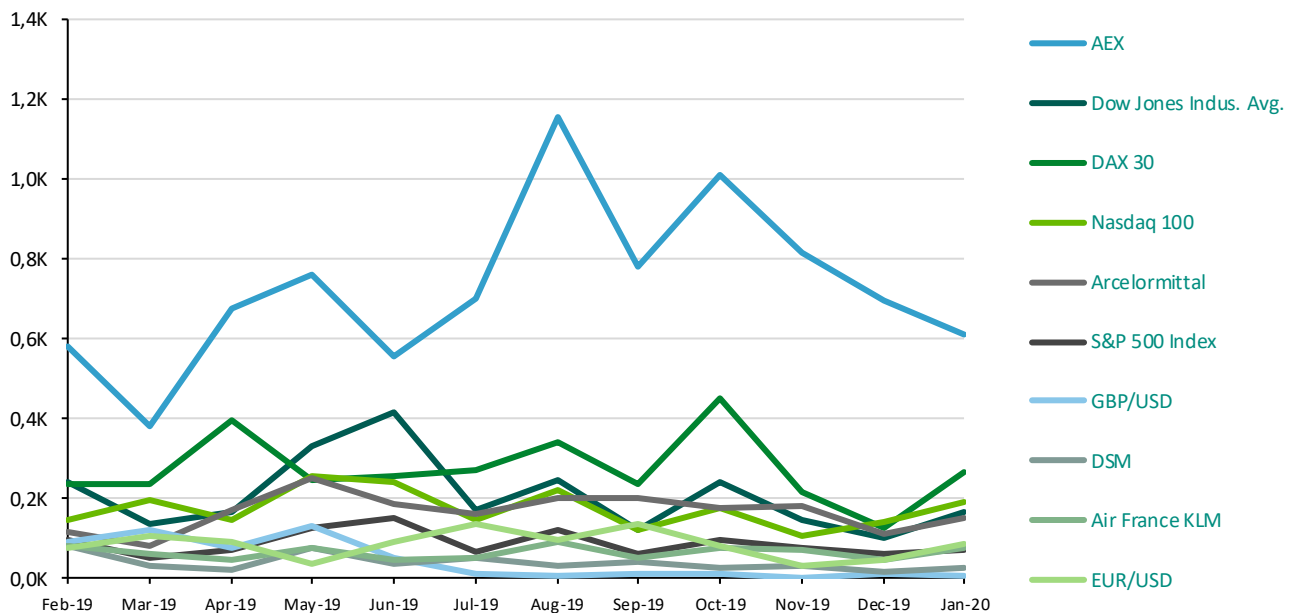
## Product Trend: Number of Live Products

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
NL0013576135	BNP Paribas	2210   Mini-Futures	DAX 30	4,201	302
NL0013990542	BNP Paribas	2210   Mini-Futures	AEX	3,950	514
NL0014061715	BNP Paribas	2210   Mini-Futures	Gold	3,949	204
DE000CU1EEL0	Commerzbank	2205   Open-End Knock-Out Warrants	DAX 30	3,824	979
NL0013832462	Goldman Sachs	2205   Open-End Knock-Out Warrants	AEX	3,805	8,437
NL0011539267	BNP Paribas	2205   Open-End Knock-Out Warrants	Heineken	3,679	52
NL0014063133	BNP Paribas	2210   Mini-Futures	Gold	3,309	257
DE000VN61ZM8	Vontobel	2300   Constant Leverage Certificate	Euro STOXX 50 x16 Leveraged I	3,255	75
DE000VF6XJM2	Vontobel	2205   Open-End Knock-Out Warrants	Gold	3,170	108
NL0014061913	BNP Paribas	2210   Mini-Futures	Dow Jones Indus. Avg.	3,013	86
NL0014064081	BNP Paribas	2210   Mini-Futures	AEX	2,979	454
NL0014132474	ING	2100   Warrants	Euro STOXX 50 ETFs	2,973	387
NL0013901994	ING	2205   Open-End Knock-Out Warrants	ASML HOLDING	2,969	721
NL0013853583	Goldman Sachs	2210   Mini-Futures	Altice	2,957	67
NL0014132680	BNP Paribas	2210   Mini-Futures	AEX	2,605	231
NL0014056988	BNP Paribas	2210   Mini-Futures	AEX	2,556	317
NL0013989783	BNP Paribas	2205   Open-End Knock-Out Warrants	AEX	2,535	68
NL0014044349	BNP Paribas	2210   Mini-Futures	AEX	2,477	236
NL0013979479	BNP Paribas	2205   Open-End Knock-Out Warrants	AEX	2,455	943
NL0014064131	BNP Paribas	2210   Mini-Futures	DAX 30	2,452	188
NL0013363856	BNP Paribas	2205   Open-End Knock-Out Warrants	Inbev	2,260	252
DE000CU6JH39	Commerzbank	2200   Knock-Out Warrants	DAX 30	2,162	51
NL0013893969	ING	2205   Open-End Knock-Out Warrants	Galapagos NV	2,135	283
NL0013990583	BNP Paribas	2210   Mini-Futures	AEX	2,127	298
NL0012036073	BNP Paribas	2210   Mini-Futures	Unilever	2,120	35
NL0014044331	BNP Paribas	2210   Mini-Futures	AEX	2,064	381
NL0014061889	BNP Paribas	2210   Mini-Futures	Dow Jones Indus. Avg.	2,028	98
DE000CU1EEG0	Commerzbank	2205   Open-End Knock-Out Warrants	AEX	2,006	1,446
NL0013990575	BNP Paribas	2210   Mini-Futures	AEX	1,998	262
NL0014055410	BNP Paribas	2210   Mini-Futures	AEX	1,996	243
DE000VN61ZN6	Vontobel	2300   Constant Leverage Certificate	Euro STOXX 50 x8 Short Index	1,853	21
NL0014135212	BNP Paribas	2205   Open-End Knock-Out Warrants	AEX	1,819	604
NL0014060873	BNP Paribas	2210   Mini-Futures	Gold	1,743	164
NL0014064941	BNP Paribas	2210   Mini-Futures	Gold	1,738	53
NL0014054207	BNP Paribas	2210   Mini-Futures	DAX 30	1,687	106
DE000CU6JWB1	Commerzbank	2205   Open-End Knock-Out Warrants	DAX 30	1,669	250
NL0014051724	BNP Paribas	2210   Mini-Futures	AEX	1,641	69
NL0014143604	BNP Paribas	2205   Open-End Knock-Out Warrants	AEX	1,631	272
NL0014134124	BNP Paribas	2210   Mini-Futures	ICE BRENT	1,623	58
NL0014057333	BNP Paribas	2205   Open-End Knock-Out Warrants	AEX	1,575	684
DE000CU6HSF4	Commerzbank	2200   Knock-Out Warrants	DAX 30	1,568	25
DE000CU6HTU1	Commerzbank	2205   Open-End Knock-Out Warrants	AEX	1,549	1,202
NL0013357171	BNP Paribas	2210   Mini-Futures	AEX	1,517	409
NL0014141269	BNP Paribas	2210   Mini-Futures	DAX 30	1,482	119
NL0014134355	BNP Paribas	2210   Mini-Futures	DAX 30	1,472	220
NL0014059214	BNP Paribas	2210   Mini-Futures	ICE BRENT	1,457	76
NL0014133449	BNP Paribas	2205   Open-End Knock-Out Warrants	UCB	1,444	25
NL0013989874	BNP Paribas	2205   Open-End Knock-Out Warrants	AEX	1,414	319
NL0014143224	BNP Paribas	2210   Mini-Futures	DAX 30	1,397	63
NL0013981863	BNP Paribas	2210   Mini-Futures	DAX 30	1,395	248

(Source Euronext)



Euronext Brussels

# ISSUERS

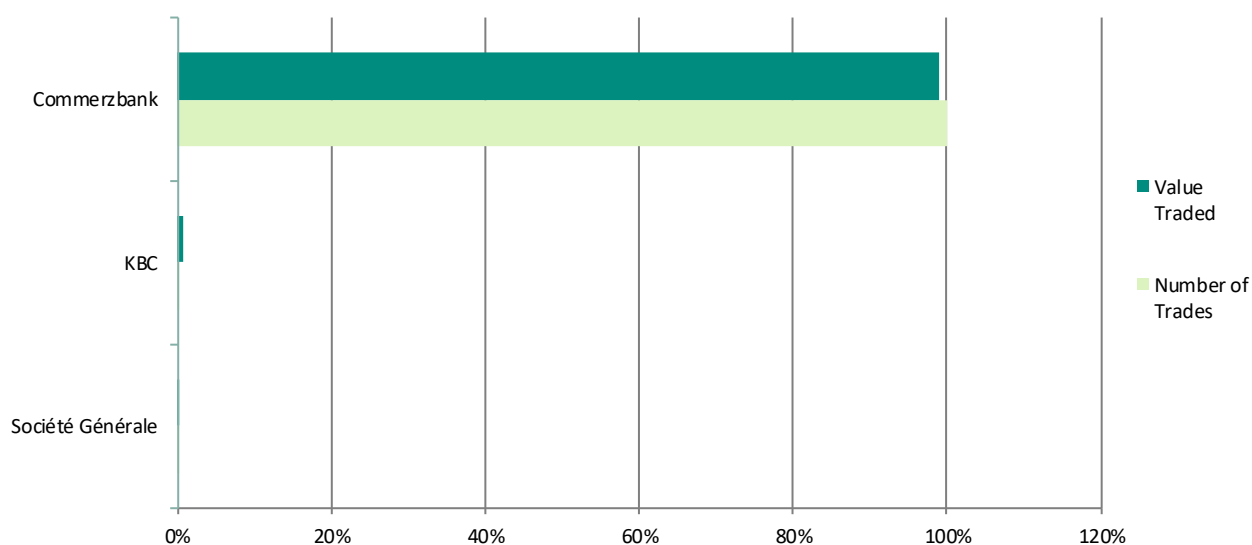
## Market Overview

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	415	18.2%	12.8%	99.1%	221	9.9%	2.7%	99.9%
KBC	3	-99%	-98%	0.8%	0.1	-69.7%	-91.0%	0.1%
Société Générale	0	-23%	74%	0.1%	0.1	-39.4%	28.8%	0.0%
Total	419	-31.6%	-29.2%	100%	221	9.6%	2.1%	100%

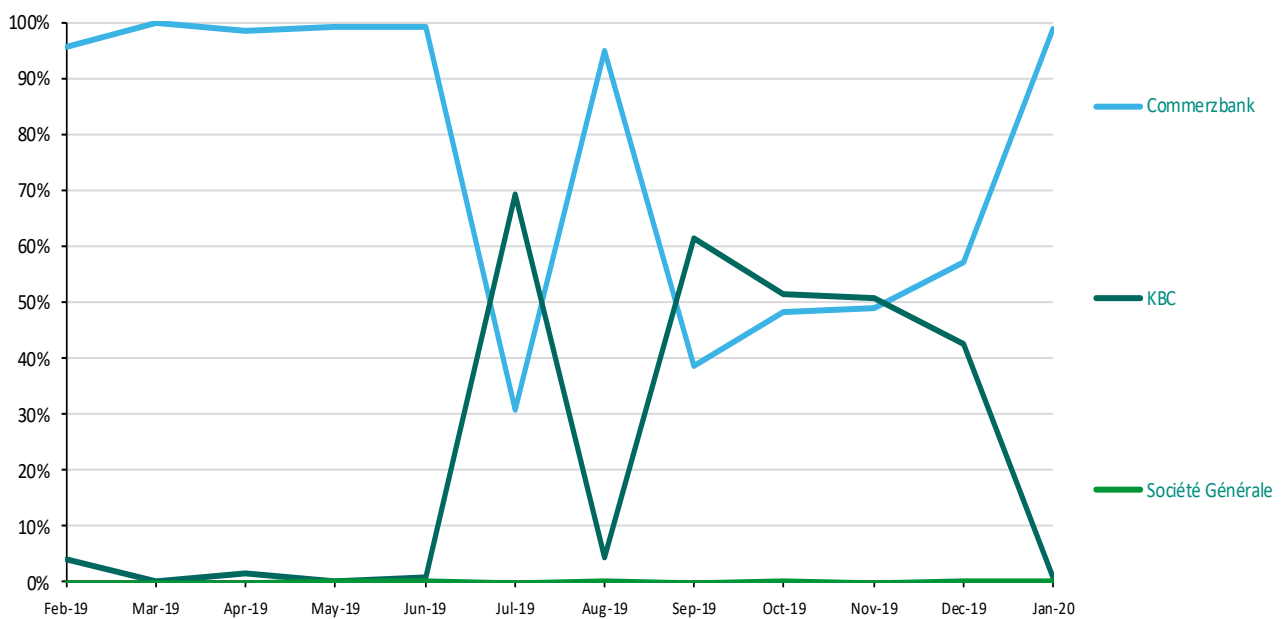
(Source Euronext)



# ISSUERS

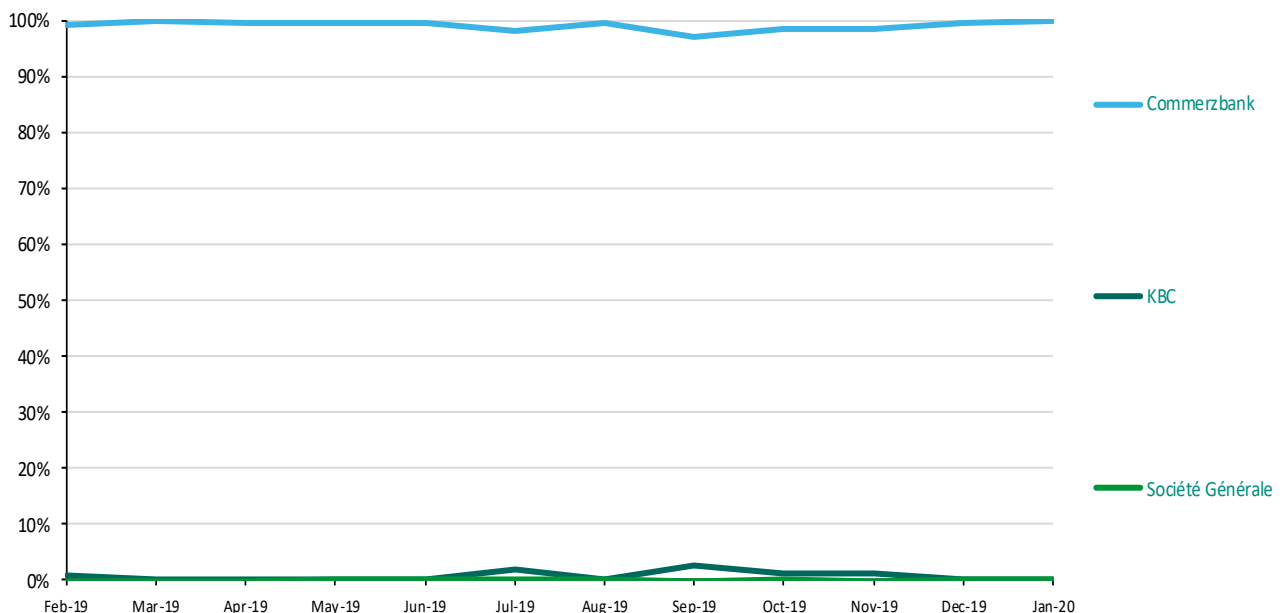
## Market Trend: Value traded

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

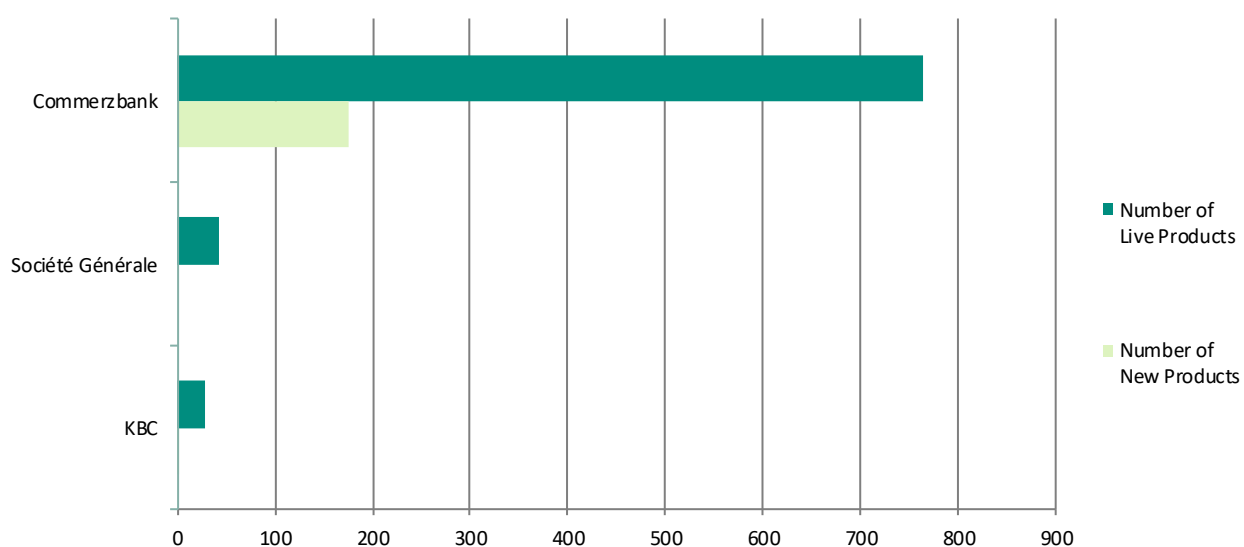
## Product Overview

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	765	4.0%	7.8%	91.6%	176	15.8%	-7.7%	99.4%
Société Générale	42	0.0%	-3.7%	5.0%	0			0.0%
KBC	29	0.5%	6.5%	3.4%	1	-75%	-48%	0.6%
<b>Total</b>	<b>835</b>	<b>3.7%</b>	<b>7.1%</b>	<b>100%</b>	<b>177</b>	<b>13.5%</b>	<b>-8.1%</b>	<b>100%</b>

(Source Euronext)

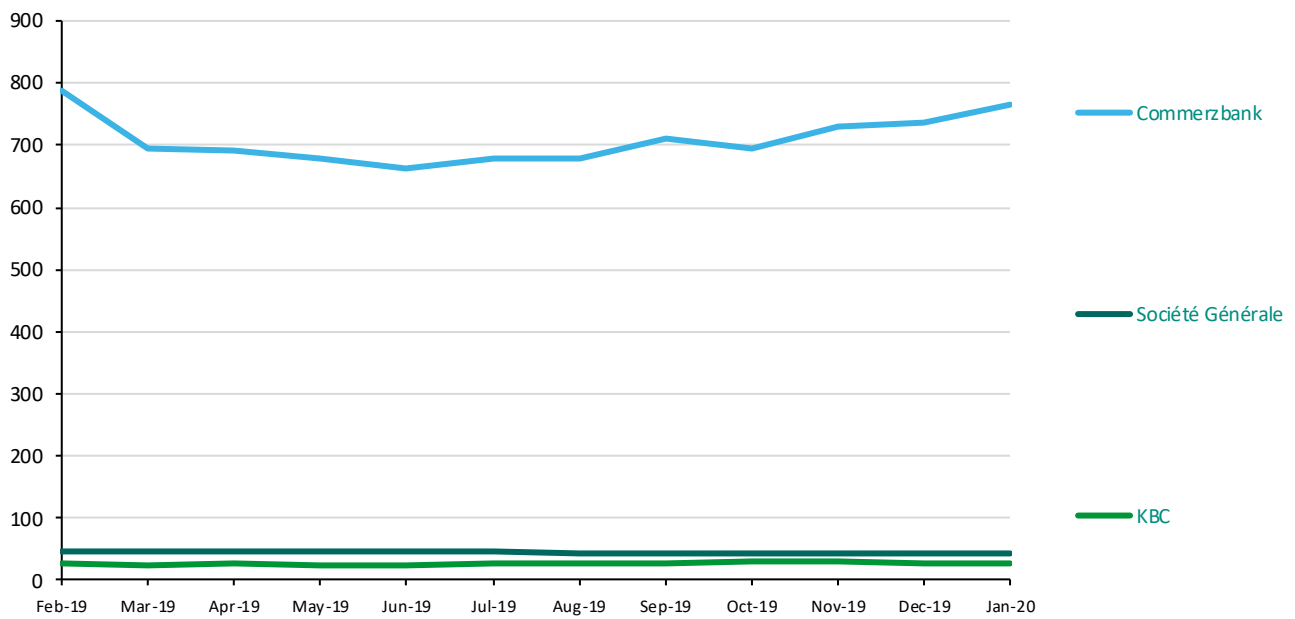




# ISSUERS

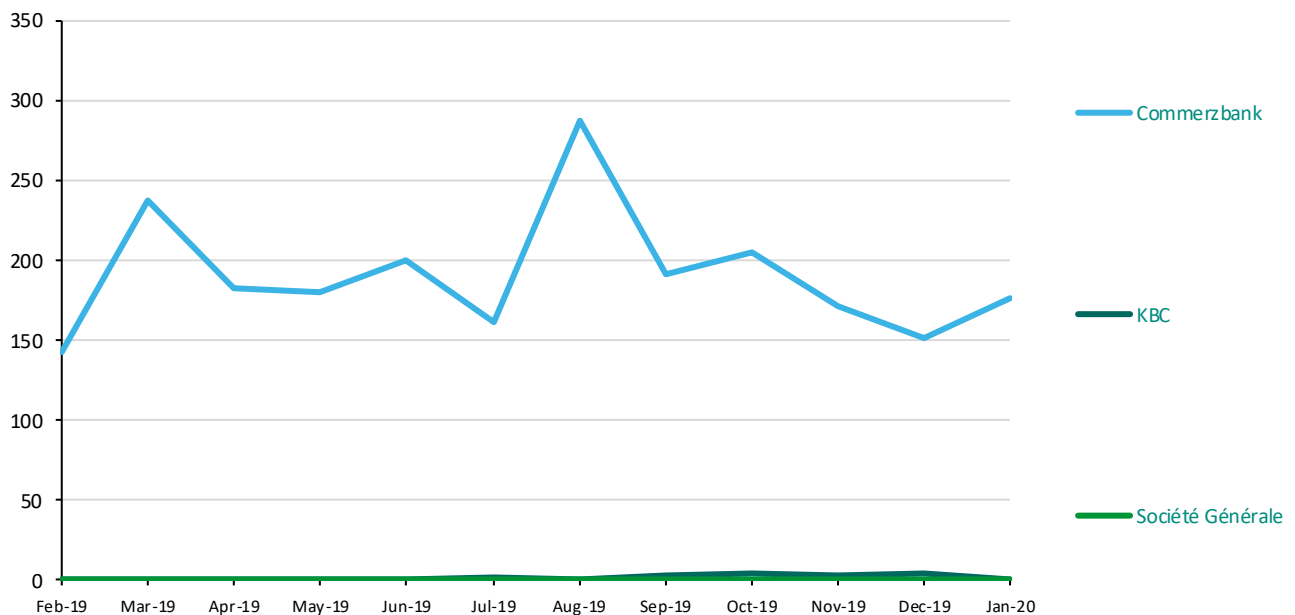
## Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each issuer on Euronext 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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

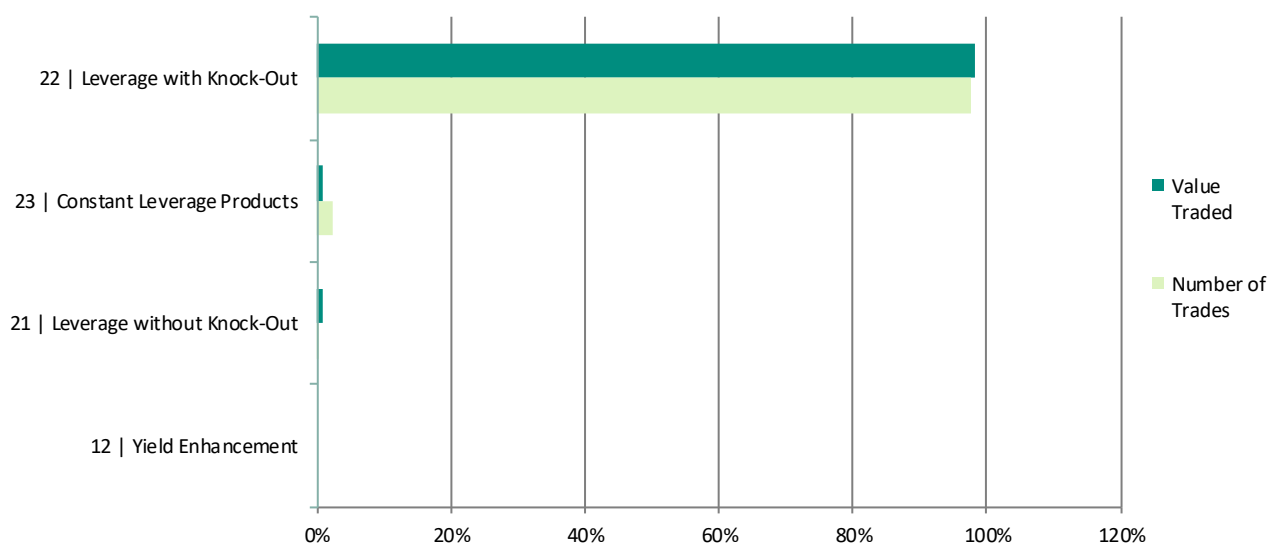
## Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product type (EUSIPA<sup>1</sup> 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	412	17.5%	13.0%	98.3%	216	8.4%	2.0%	97.6%
23   Constant Leverage Products	4	163%	-1.7%	0.9%	5.2	135.5%	44.1%	2.3%
21   Leverage without Knock-Out	3		12.7%	0.8%	0.1		-49.6%	0.1%
12   Yield Enhancement	0	-100%	-100%	0.0%	0.0	-100.0%	-100.0%	0.0%
<b>Total</b>	<b>419</b>	<b>-31.6%</b>	<b>-29.2%</b>	<b>100%</b>	<b>221</b>	<b>9.6%</b>	<b>2.1%</b>	<b>100%</b>

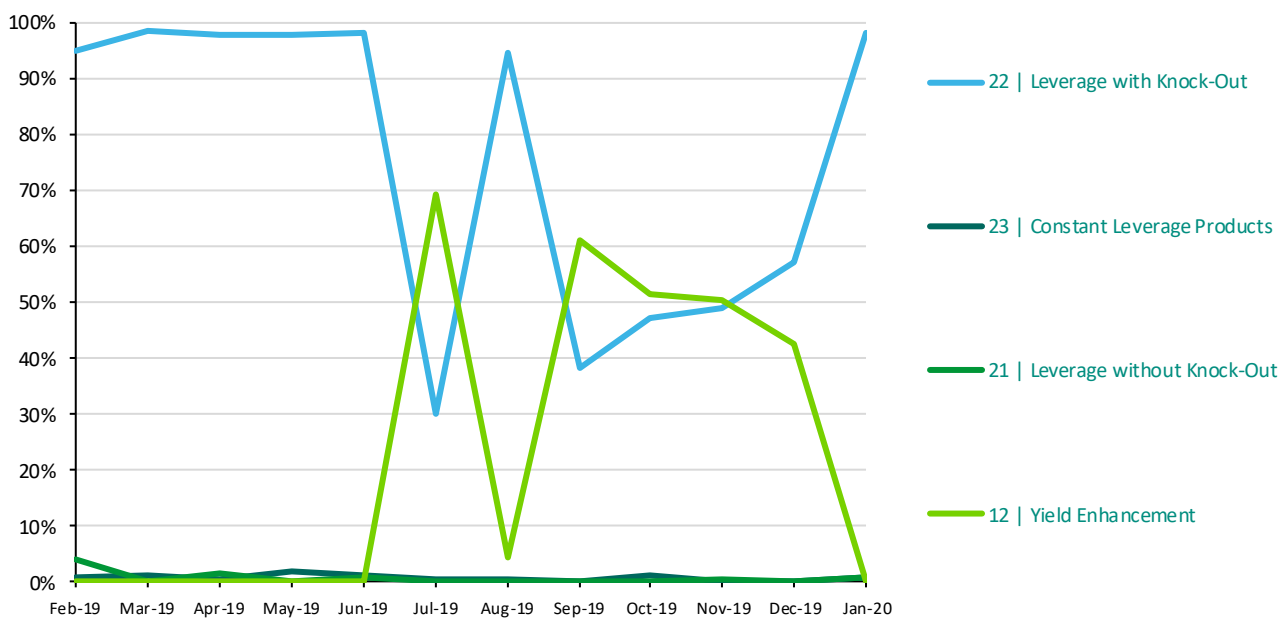
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

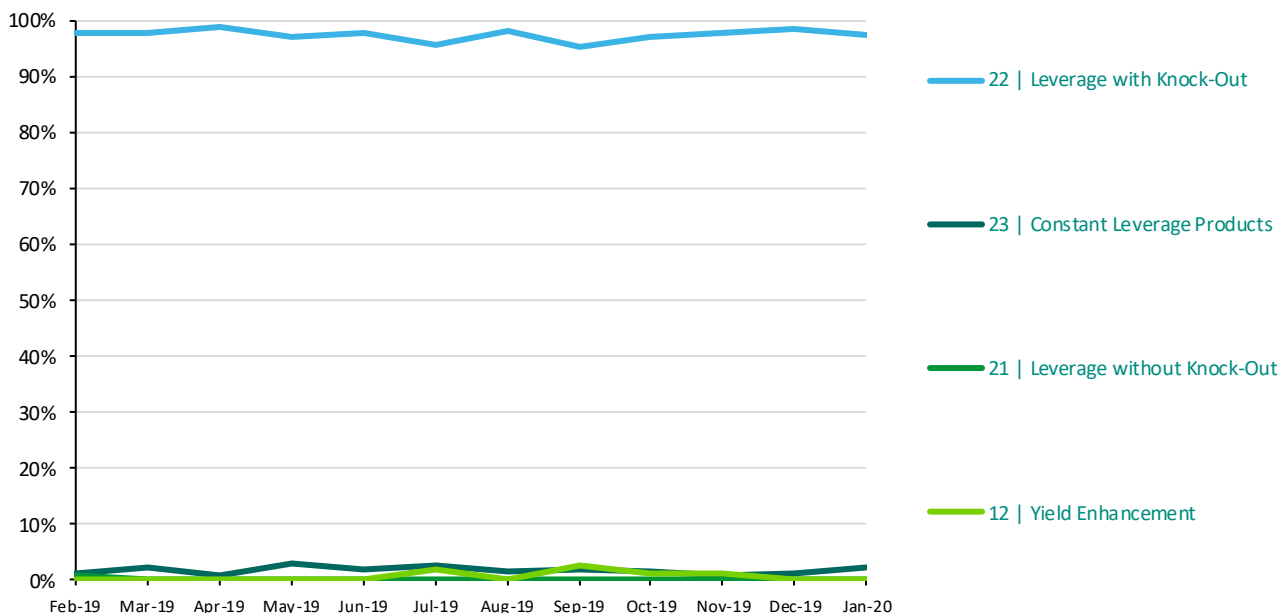
## Market Trend: Value traded

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

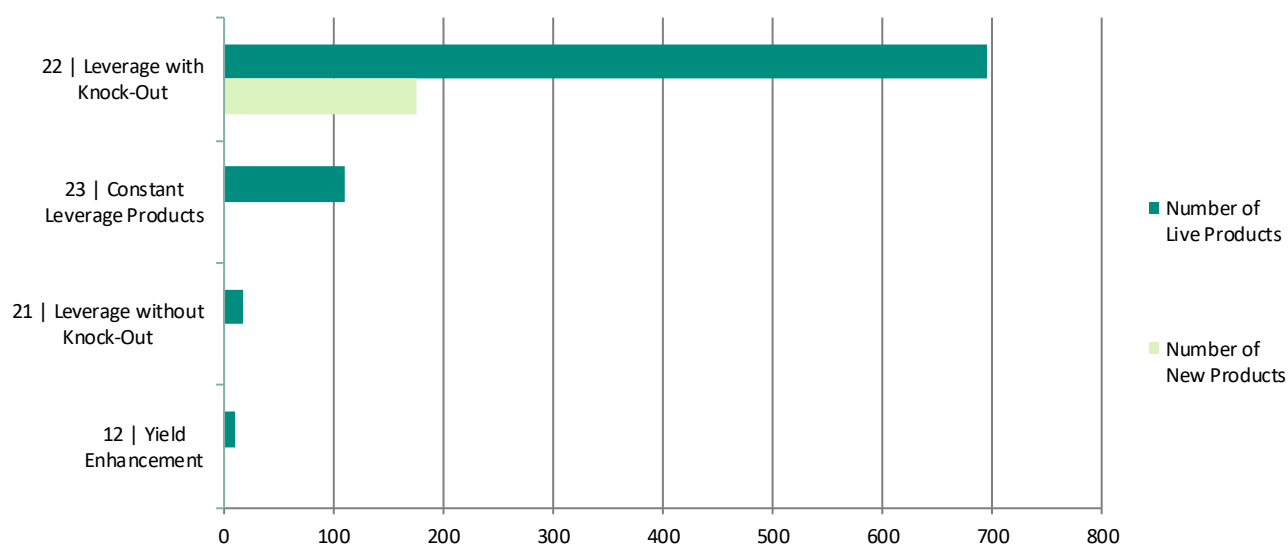
### Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product type (EUSIPA<sup>1</sup> 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	697	4.2%	9.6%	83.4%	176	15.8%	-3.3%	99.4%
23   Constant Leverage Products	110	1.1%	-6.2%	13.2%	0		-100%	0.0%
21   Leverage without Knock-Out	17	-13.2%	-21%	2.1%	1	0.0%	0.0%	0.6%
12   Yield Enhancement	11	33%	132%	1.3%	0	-100%	-100%	0.0%
<b>Total</b>	<b>835</b>	<b>3.7%</b>	<b>7.1%</b>	<b>100%</b>	<b>177</b>	<b>13.5%</b>	<b>-8.1%</b>	<b>100%</b>

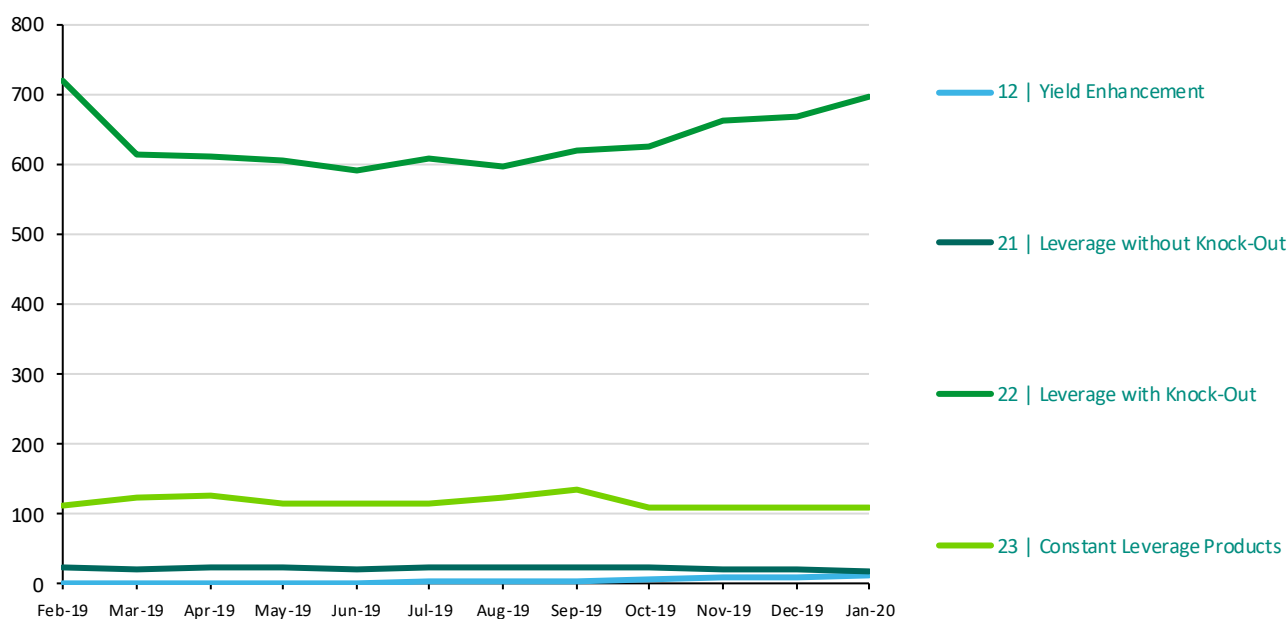
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

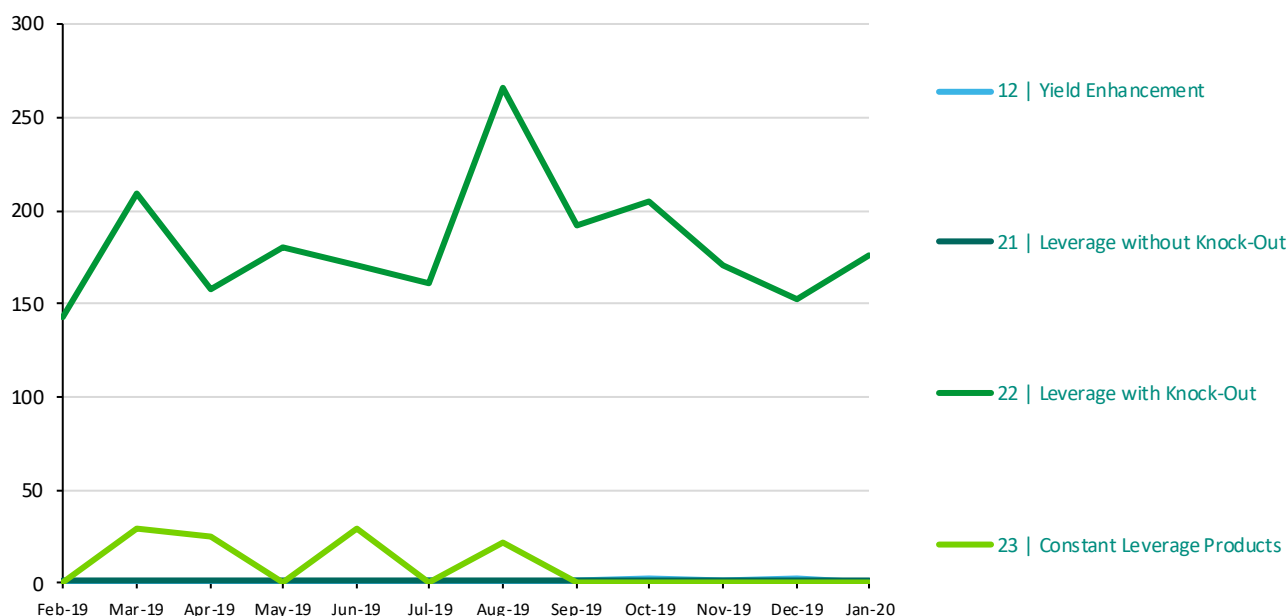
## Product Trend: Number of Live Products

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

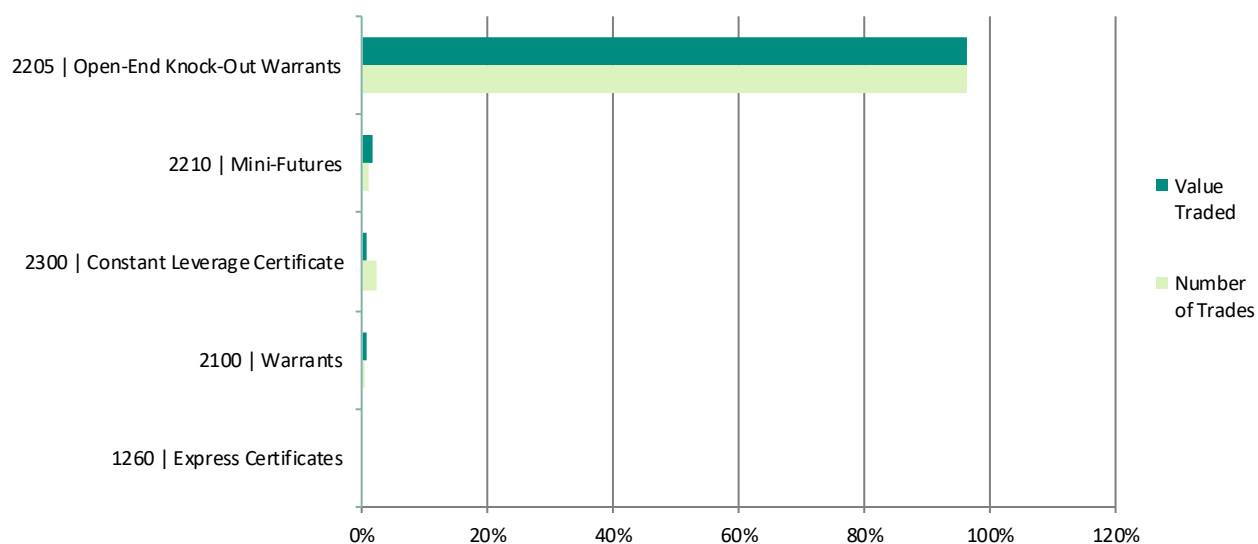
## Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product type (EUSIPA<sup>1</sup> 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	404	16.6%	12.4%	96.5%	214	8.7%	2.3%	96.6%
2210   Mini-Futures	7	103%	55%	1.8%	2.3	-10.9%	-21%	1.0%
2300   Constant Leverage Certificate	4	163%	-1.7%	0.9%	5.2	136%	44%	2.3%
2100   Warrants	3		12.7%	0.8%	0.1		-50%	0.1%
1260   Express Certificates	0	-100%	-100%	0.0%	0.0	-100%	-100%	0.0%
<b>Total</b>	<b>419</b>	<b>-31.6%</b>	<b>-29.2%</b>	<b>100%</b>	<b>221</b>	<b>9.6%</b>	<b>2.1%</b>	<b>100%</b>

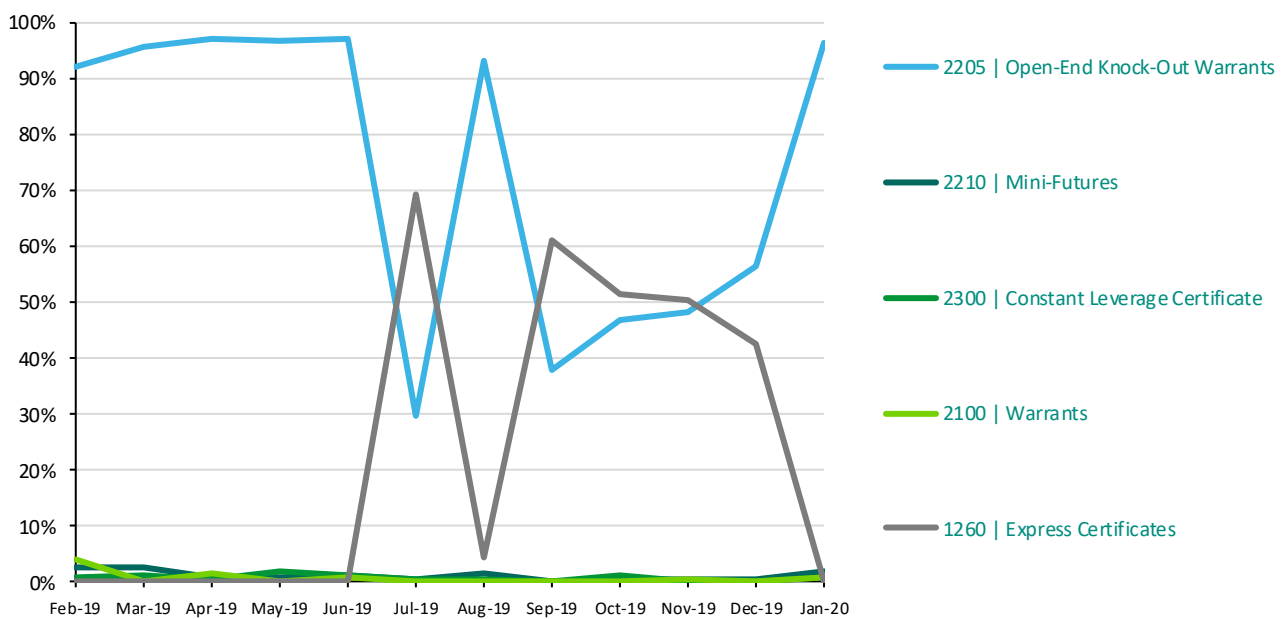
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

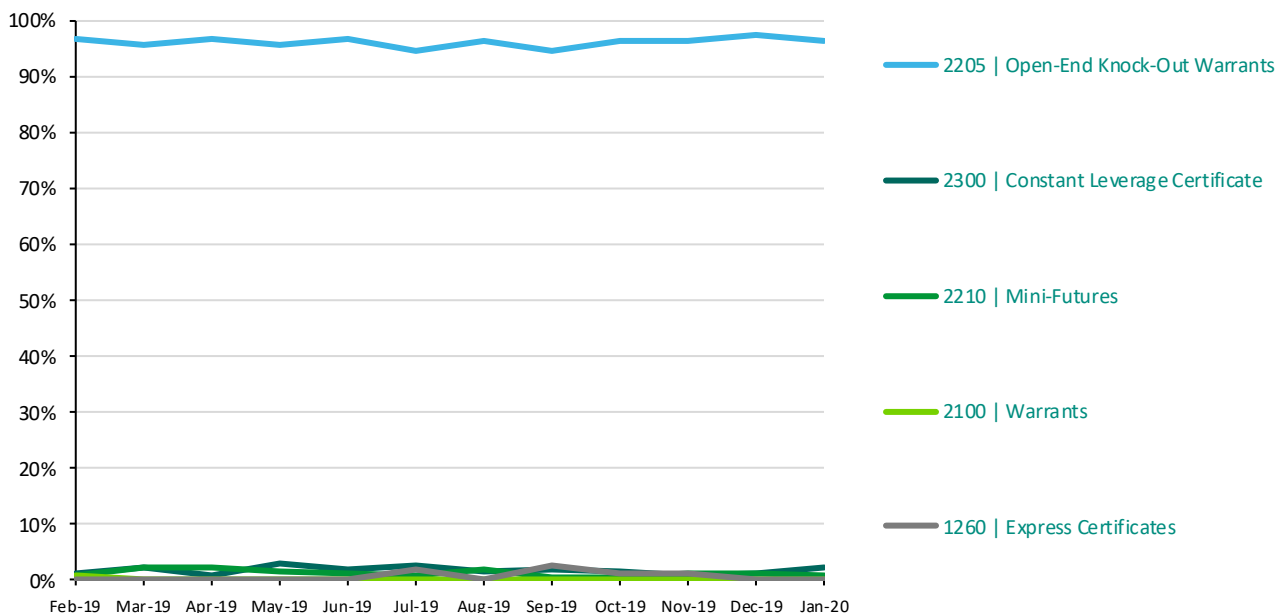
## Market Trend: Value traded

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

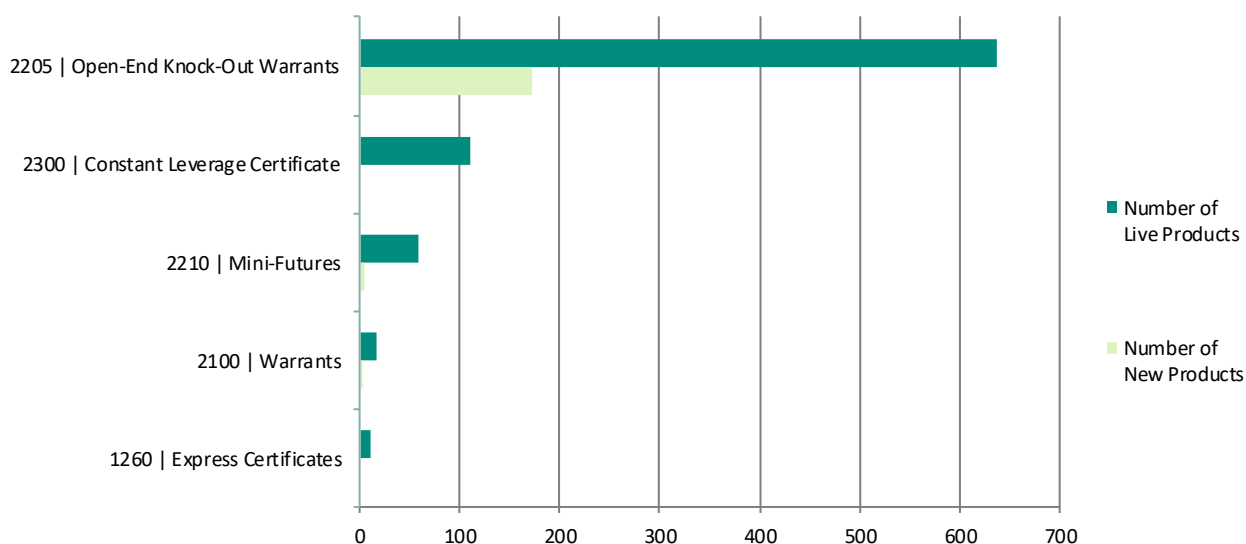
## Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Brussels per product type (EUSIPA<sup>1</sup> 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	638	4.2%	10.9%	76.4%	172	15.4%	-4.2%	97.2%
2300   Constant Leverage Certificate	110	1.1%	-6.2%	13.2%	0		-100%	0.0%
2210   Mini-Futures	59	3.7%	-3.0%	7.0%	4	33%	66%	2.3%
2100   Warrants	17	-13.2%	-21%	2.1%	1	0.0%	0.0%	0.6%
1260   Express Certificates	11	33%	132%	1.3%	0	-100%	-100%	0.0%
<b>Total</b>	<b>835</b>	<b>3.7%</b>	<b>7.1%</b>	<b>100%</b>	<b>177</b>	<b>13.5%</b>	<b>-8.1%</b>	<b>100%</b>

(Source Euronext)

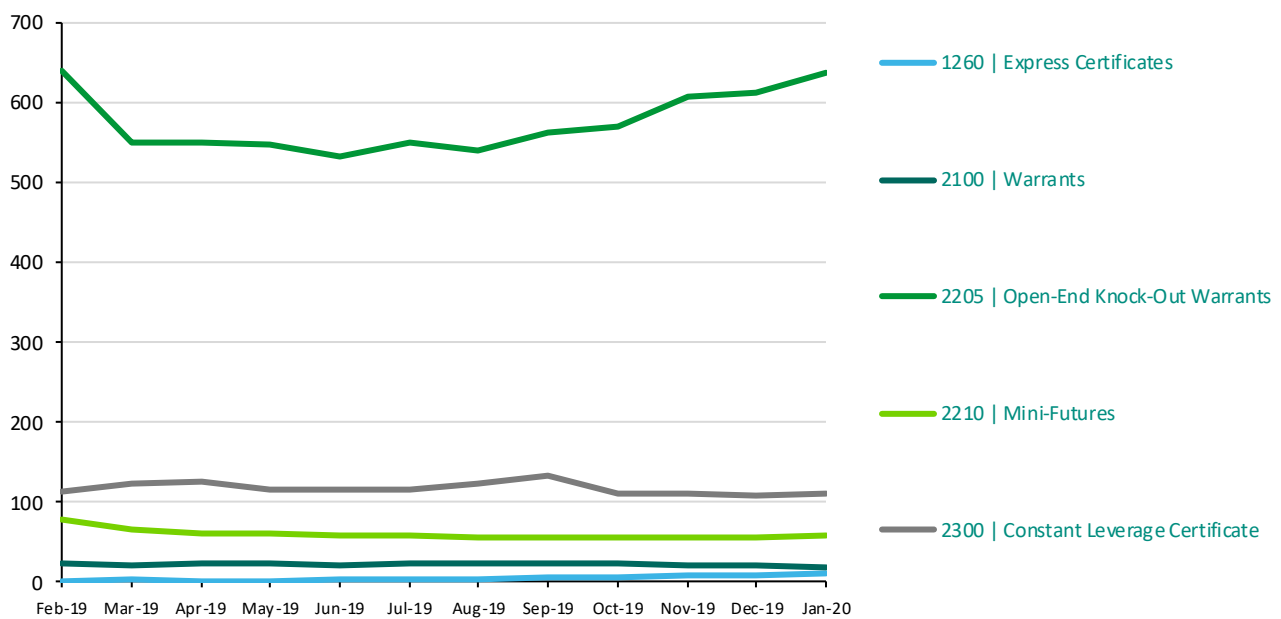




# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

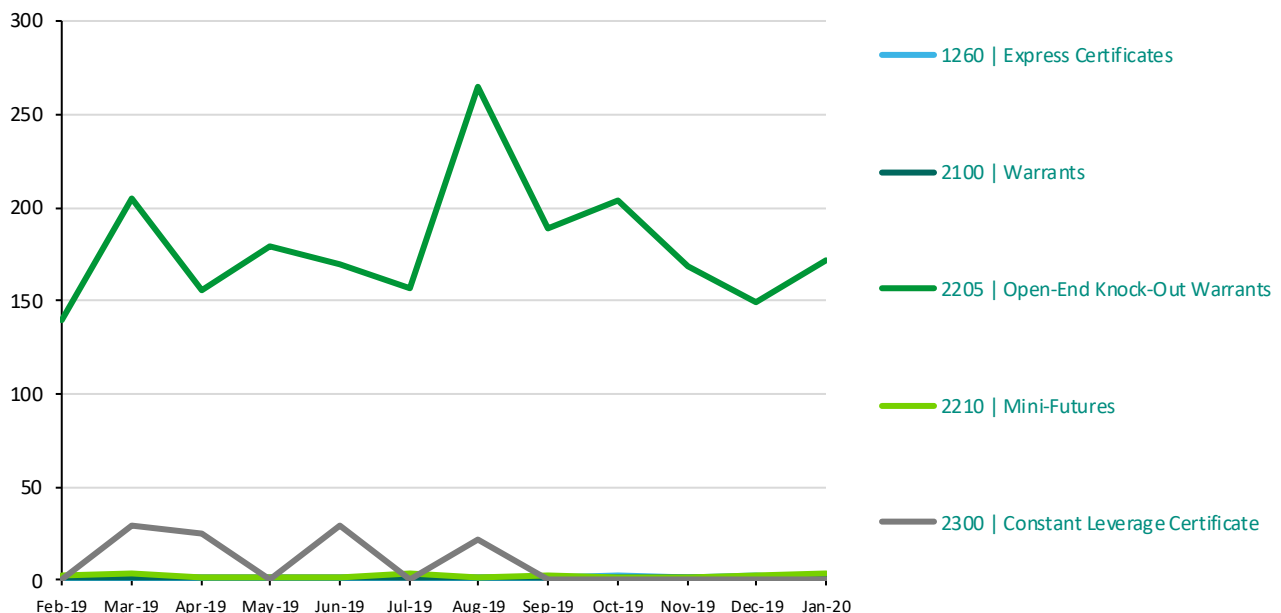
## Product Trend: Number of Live Products

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

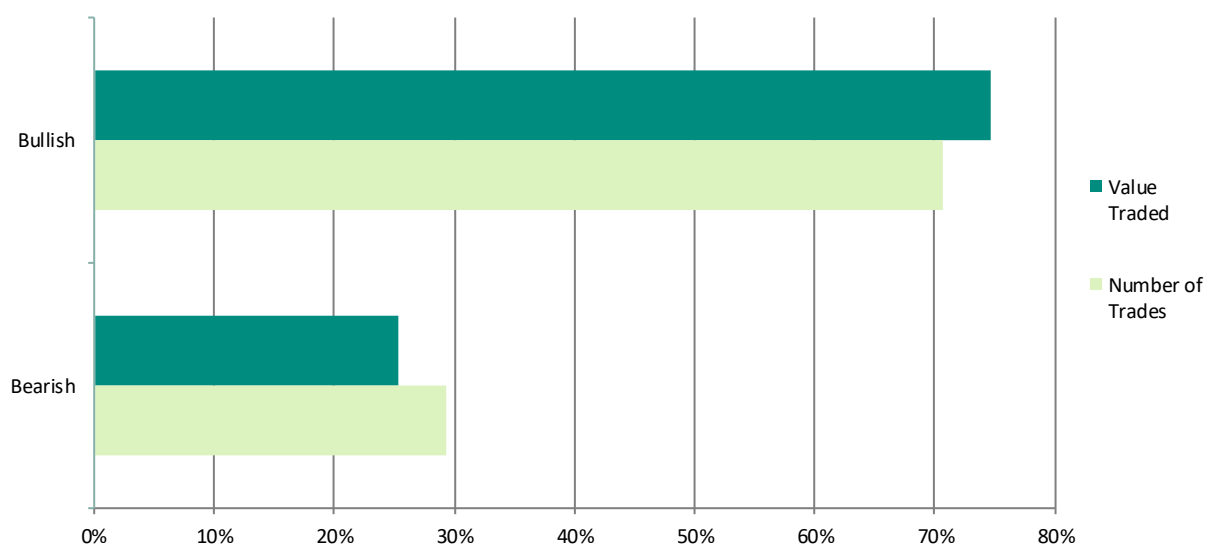
## Market Overview

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	313	-37%	-34%	74.6%	156	34.4%	14.3%	70.7%
Bearish	106	-9.7%	-11.9%	25.4%	65	-24%	-18.8%	29.3%
Total	419	-31.6%	-29.2%	100%	221	9.6%	2.1%	100%

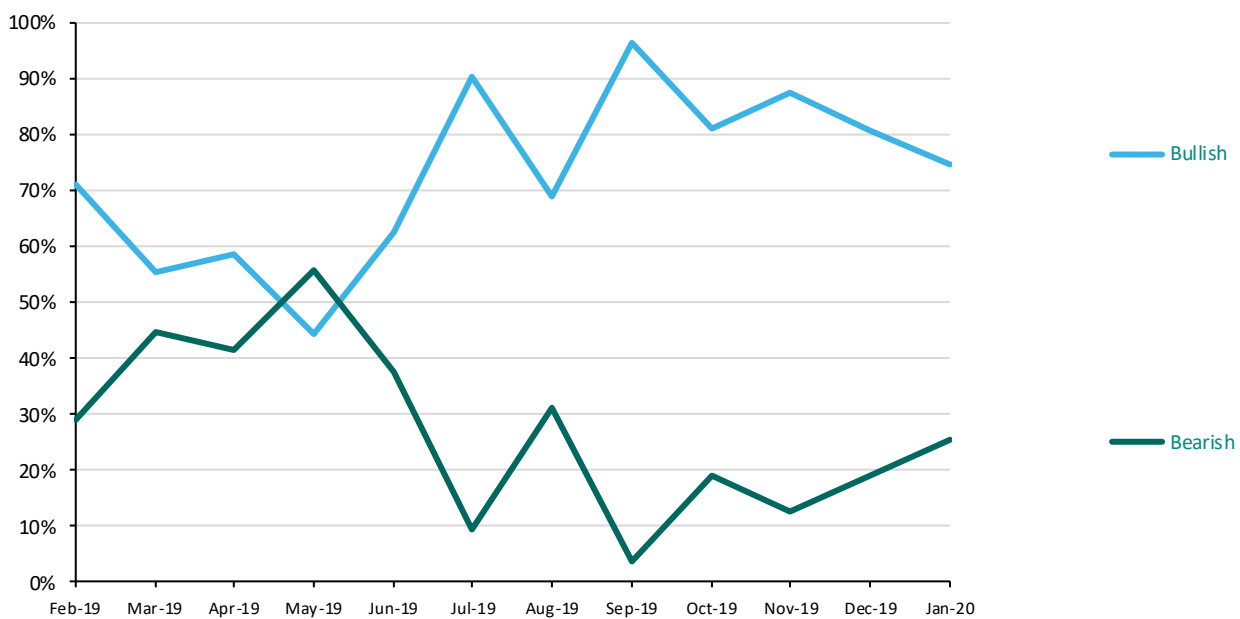
(Source Euronext)



# PRODUCT STRATEGIES

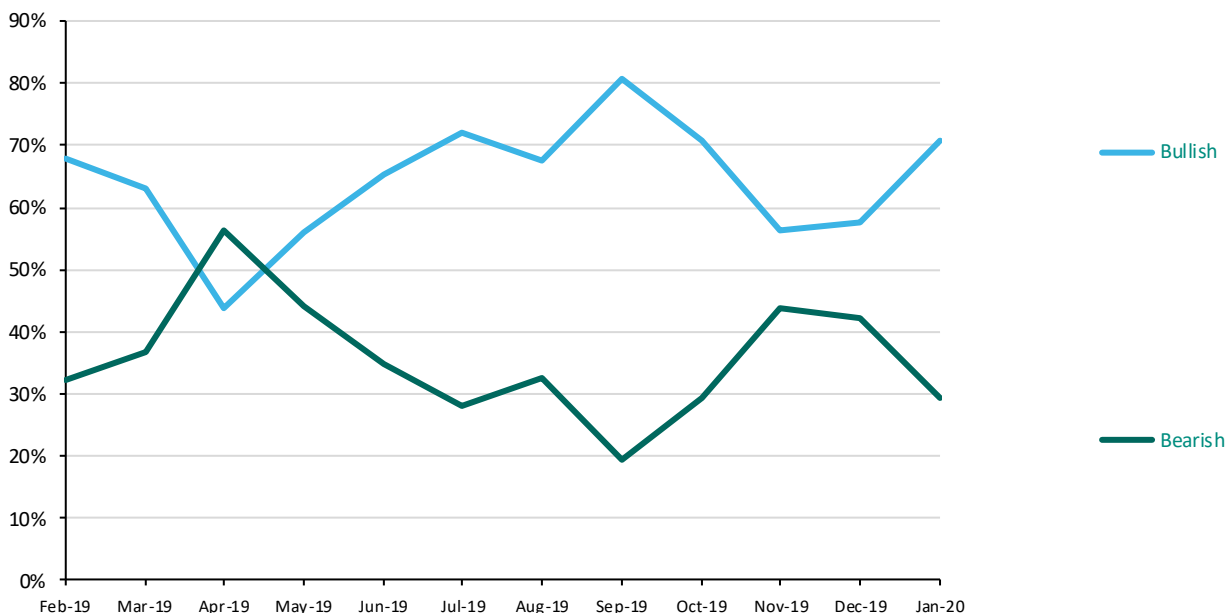
## Market Trend: Value traded

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

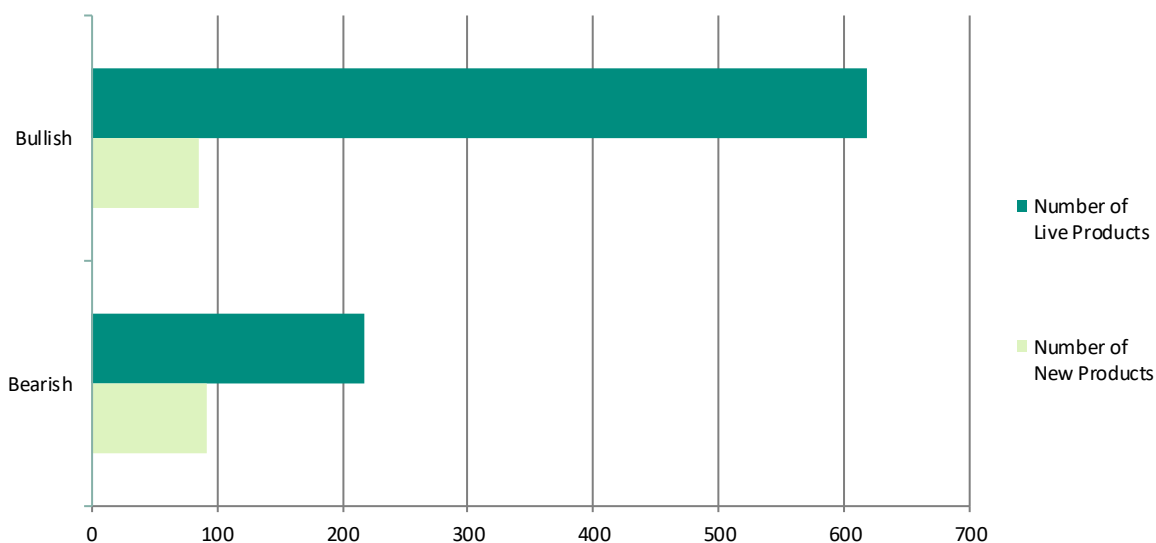
## Product Overview

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	618	5.2%	13.6%	74.0%	85	-4.5%	-21%	48.0%
Bearish	217	-0.4%	-7.9%	26.0%	92	37%	8.9%	52.0%
Total	835	3.7%	7.1%	100%	177	13.5%	-8.1%	100%

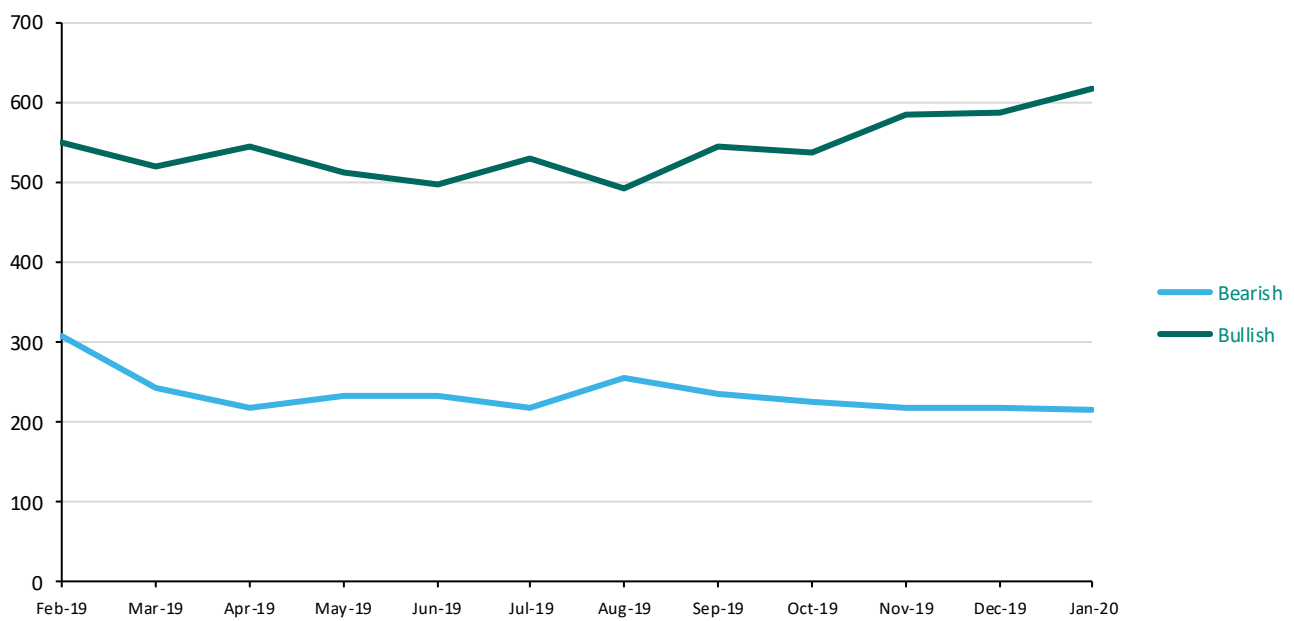
(Source Euronext)



# PRODUCT STRATEGIES

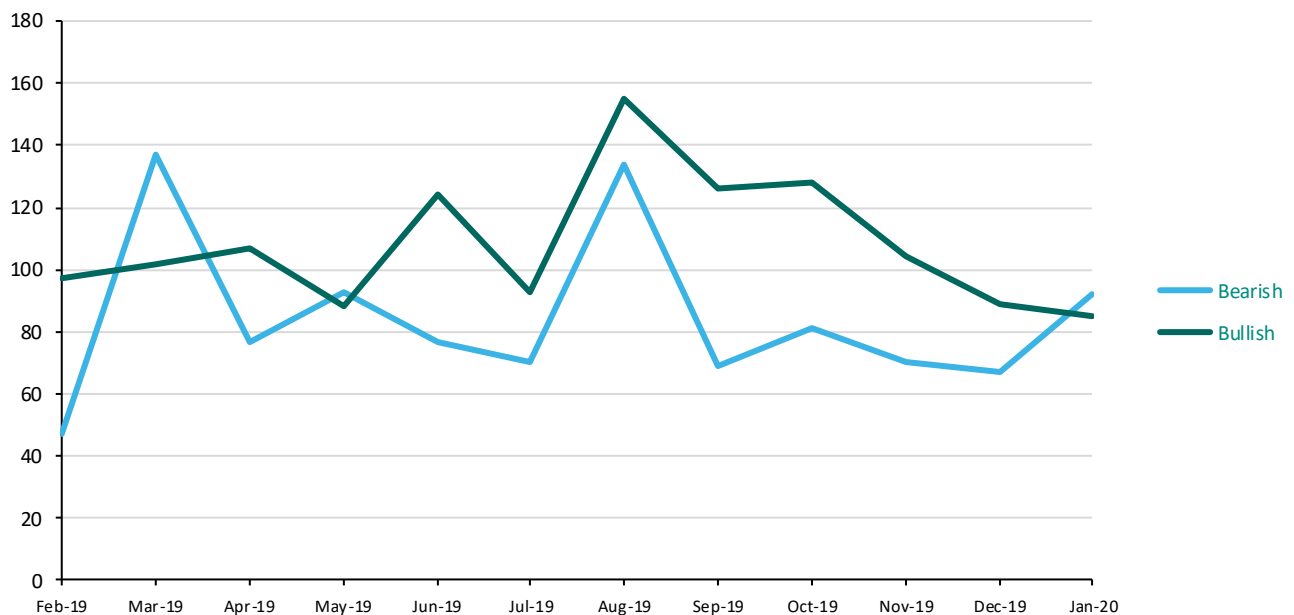
## Product Trend: Number of Live Products

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

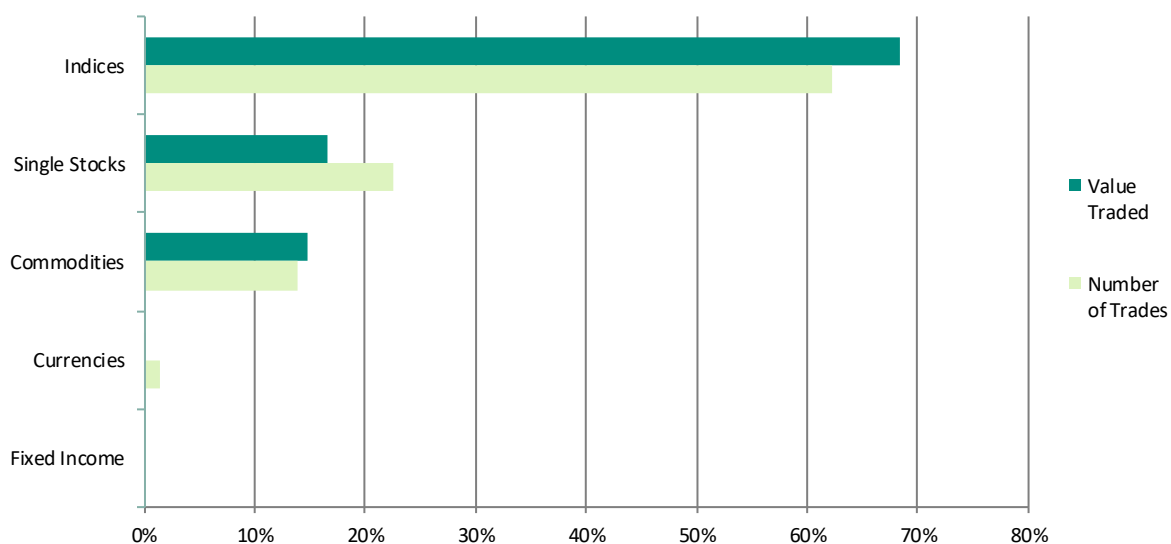
### Market Overview

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	287	-47%	-26%	68.5%	138	-6.1%	-4.0%	62.3%
Single Stocks	70	37%	-1.2%	16.6%	50	22.6%	-7.4%	22.4%
Commodities	62	166%	117%	14.7%	31	128.5%	91.0%	13.8%
Currencies	1	253%	-32%	0.2%	3.2	168.9%	12.7%	1.5%
Fixed Income	0		-100%	0.0%	0.0		-100.0%	0.0%
<b>Total</b>	<b>419</b>	<b>-31.6%</b>	<b>-29.2%</b>	<b>100%</b>	<b>221</b>	<b>9.6%</b>	<b>2.1%</b>	<b>100%</b>

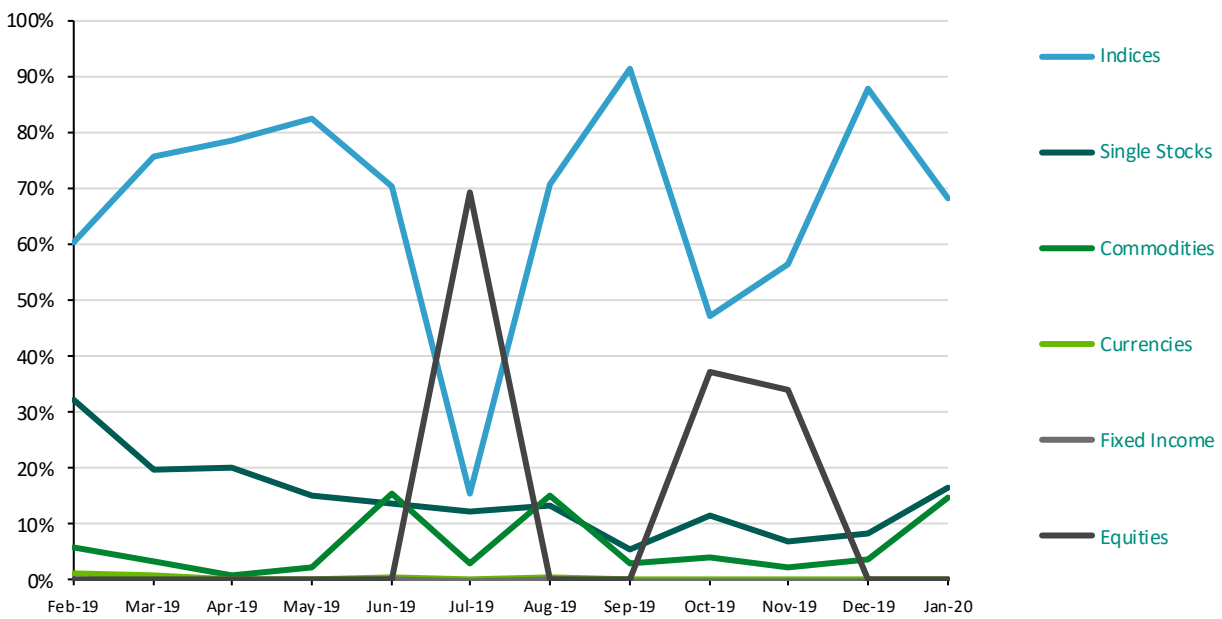
(Source Euronext)



# UNDERLYING TYPES

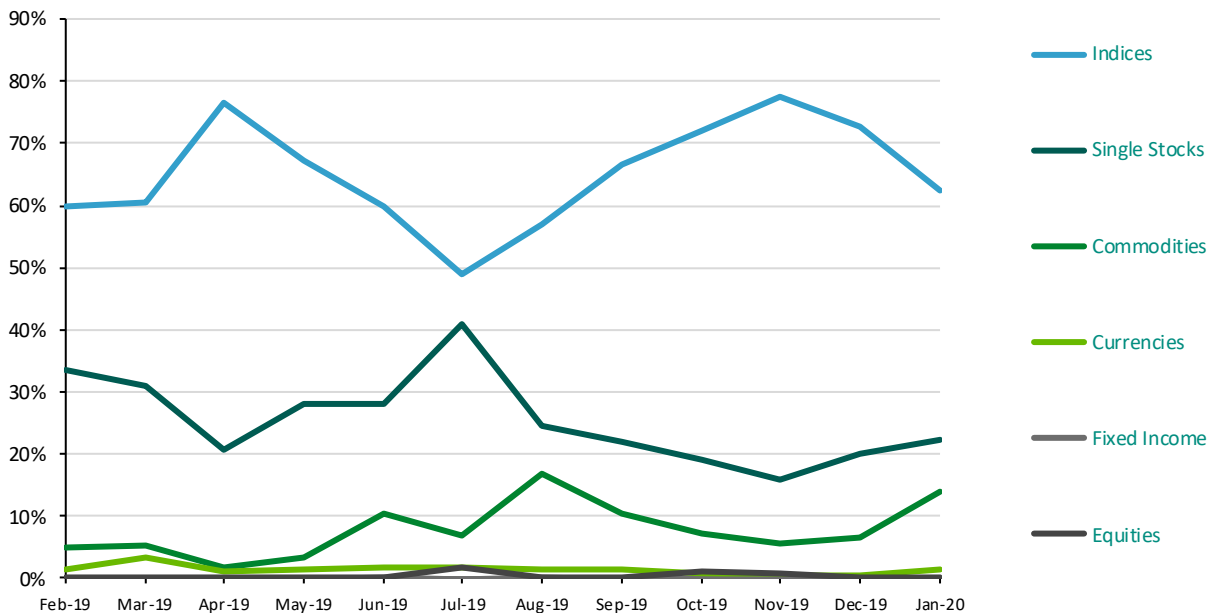
## Market Trend: Value traded

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

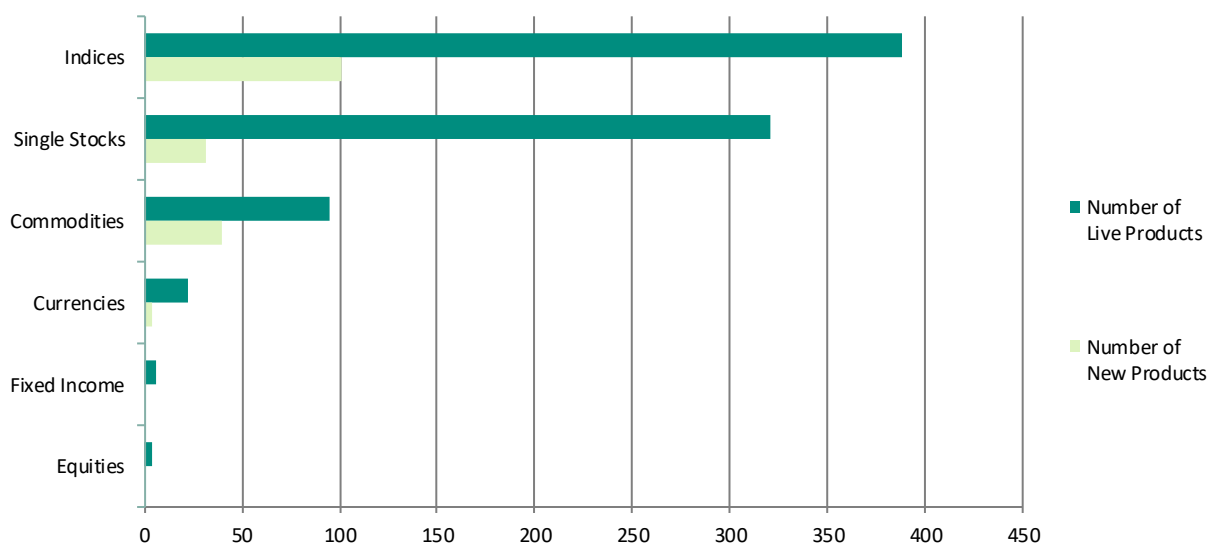
### Product Overview

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	388	6.9%	11.6%	46.4%	101	-8.2%	-12.9%	57.1%
Single Stocks	320	0.6%	2.0%	38.4%	31	107%	-9.7%	17.5%
Commodities	95	1.0%	8.3%	11.3%	40	48%	9.8%	22.6%
Currencies	23	1.6%	-0.3%	2.7%	4	33%	-2.0%	2.3%
Fixed Income	6	3.4%	-11.7%	0.7%	0		-100%	0.0%
Equities	4	27%	197%	0.5%	0		-100%	0.0%
<b>Total</b>	<b>835</b>	<b>3.7%</b>	<b>7.1%</b>	<b>100%</b>	<b>177</b>	<b>13.5%</b>	<b>-8.1%</b>	<b>100%</b>

(Source Euronext)

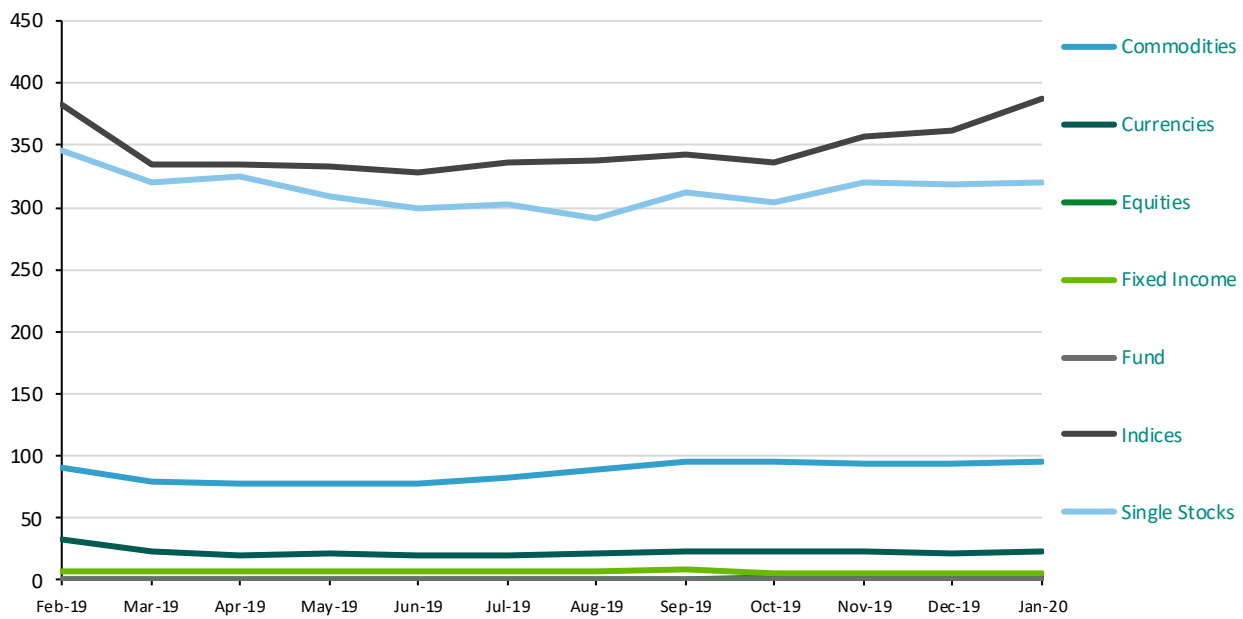




# UNDERLYING TYPES

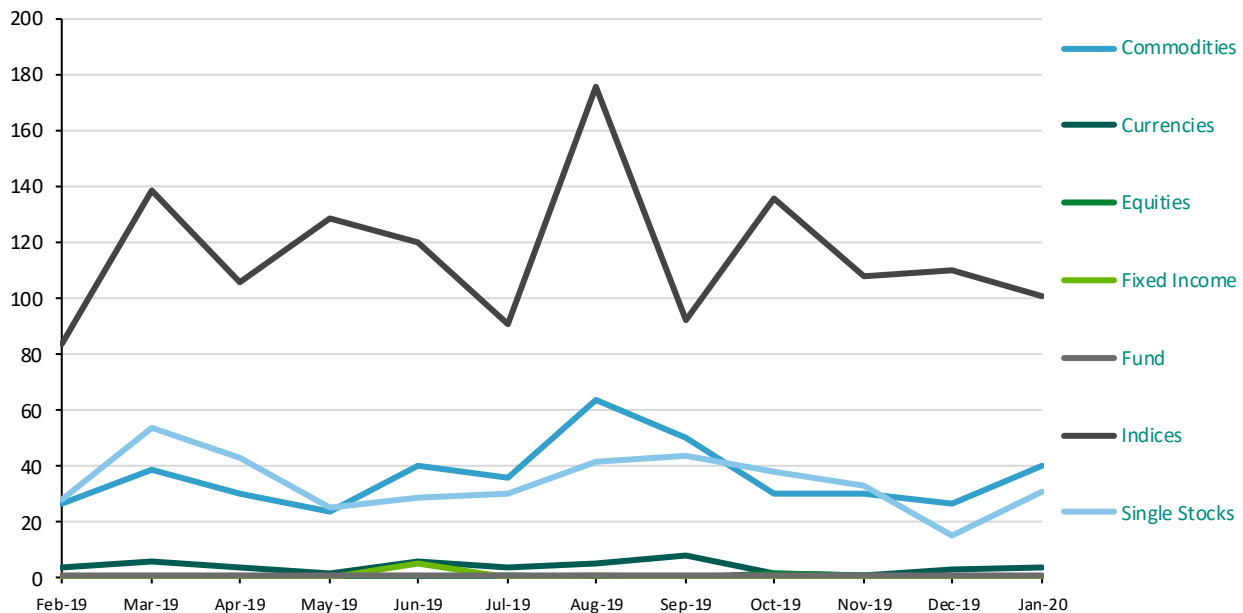
## Product Trend: Number of Live Products

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

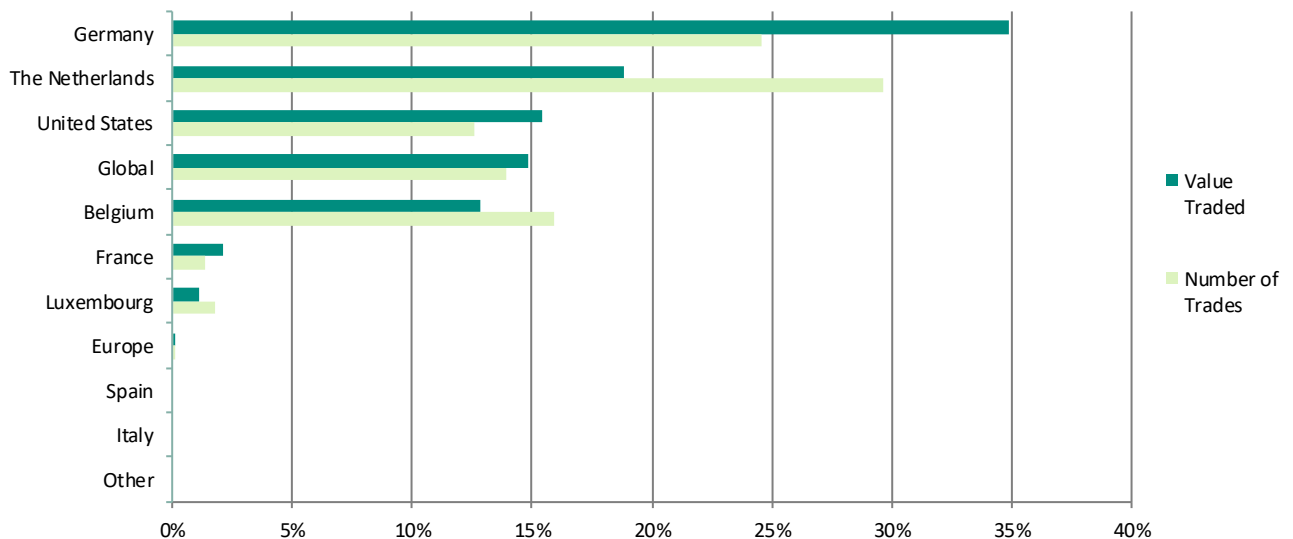
## Market Overview

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
Germany	146	-9.4%	4.4%	34.9%	54	3.9%	-4.8%	24.6%
The Netherlands	79	-14.5%	-25%	18.9%	66	-20%	-18.2%	29.7%
United States	65	92%	95%	15.5%	28	61%	63%	12.6%
Global	62	-78%	-51%	14.8%	31	124%	87%	14.0%
Belgium	54	40%	0.8%	12.8%	35	23%	-3.7%	16.0%
France	9	119%	11.3%	2.1%	3.0	6.9%	-25%	1.4%
Luxembourg	4	-0.7%	6.3%	1.1%	3.9	-17.7%	-6.1%	1.8%
Europe	0		-100%	0.0%	0.1		-88%	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%
<b>Total</b>	<b>419</b>	<b>-31.6%</b>	<b>-29.2%</b>	<b>100%</b>	<b>221</b>	<b>9.6%</b>	<b>2.1%</b>	<b>100%</b>

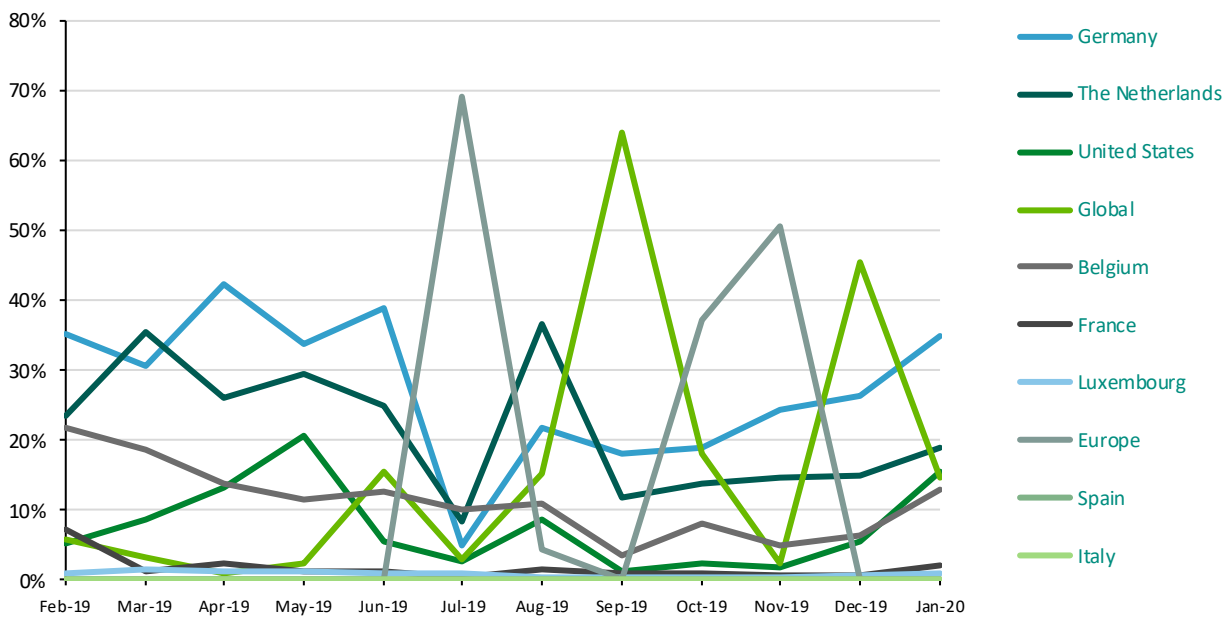
(Source Euronext)



# TOP 10 UNDERLYING COUNTRIES

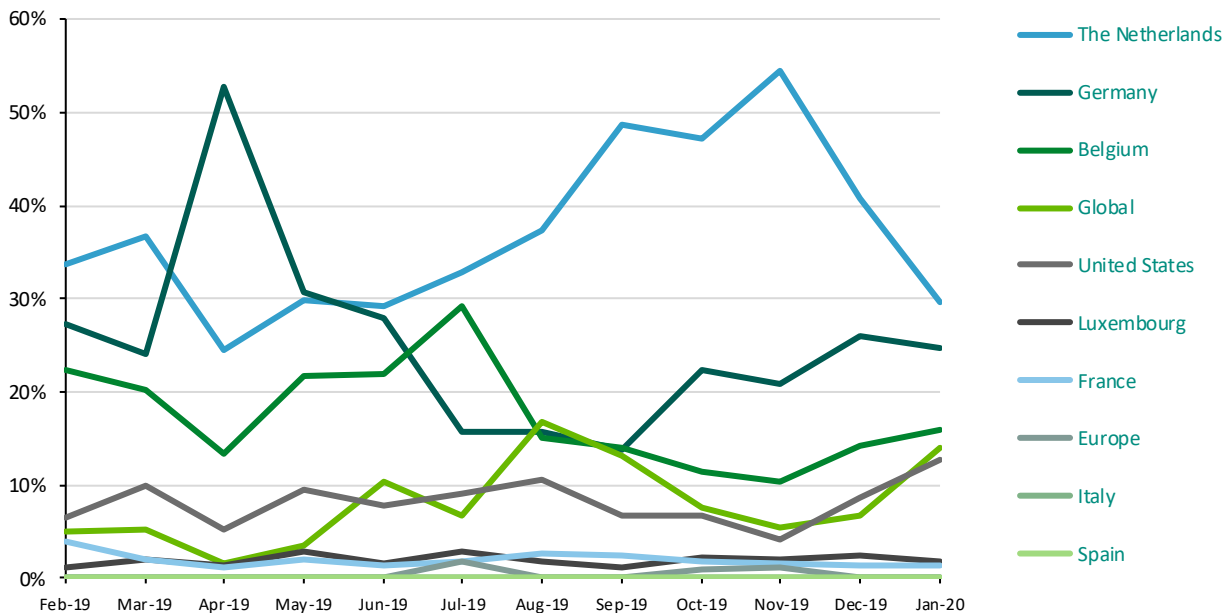
## Market Trend: Value traded

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

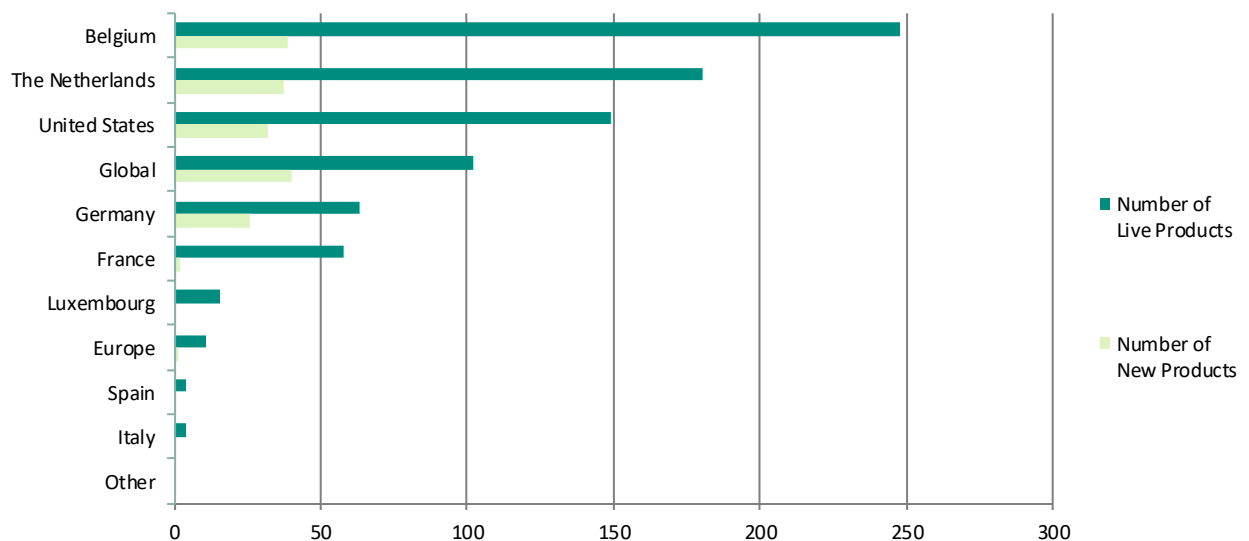
## Product Overview

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	248	5.6%	4.0%	29.7%	39	129%	26%	22.0%
The Netherlands	180	-1.0%	5.0%	21.6%	37	-21%	-30%	20.9%
United States	149	7.7%	14.6%	17.8%	32	0.0%	-11.1%	18.1%
Global	102	2.0%	11.6%	12.2%	40	38%	8.1%	22.6%
Germany	63	11.0%	10.1%	7.6%	26	-10.3%	-10.1%	14.7%
France	58	-2.8%	-4.5%	6.9%	2		9.1%	1.1%
Luxembourg	15	-6.3%	19.5%	1.9%	0	-100%	-100%	0.0%
Europe	11	14.5%	25%	1.3%	1	0.0%	-48%	0.6%
Spain	4	0.0%	-0.4%	0.5%	0		-100%	0.0%
Italy	4	11.1%	0.4%	0.5%	0		-100%	0.0%
Other	0		-100%	0.0%	0			0.0%
<b>Total</b>	<b>835</b>	<b>3.7%</b>	<b>7.1%</b>	<b>100%</b>	<b>177</b>	<b>13.5%</b>	<b>-8.1%</b>	<b>100%</b>

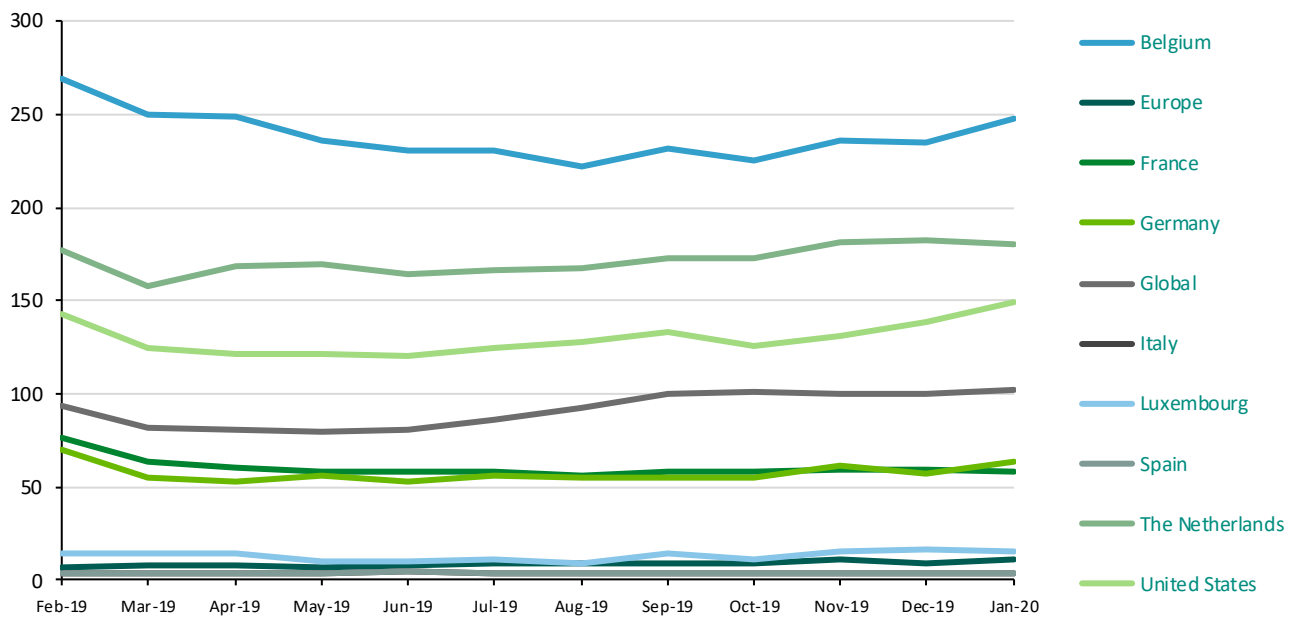
(Source Euronext)



# TOP 10 UNDERLYING COUNTRIES

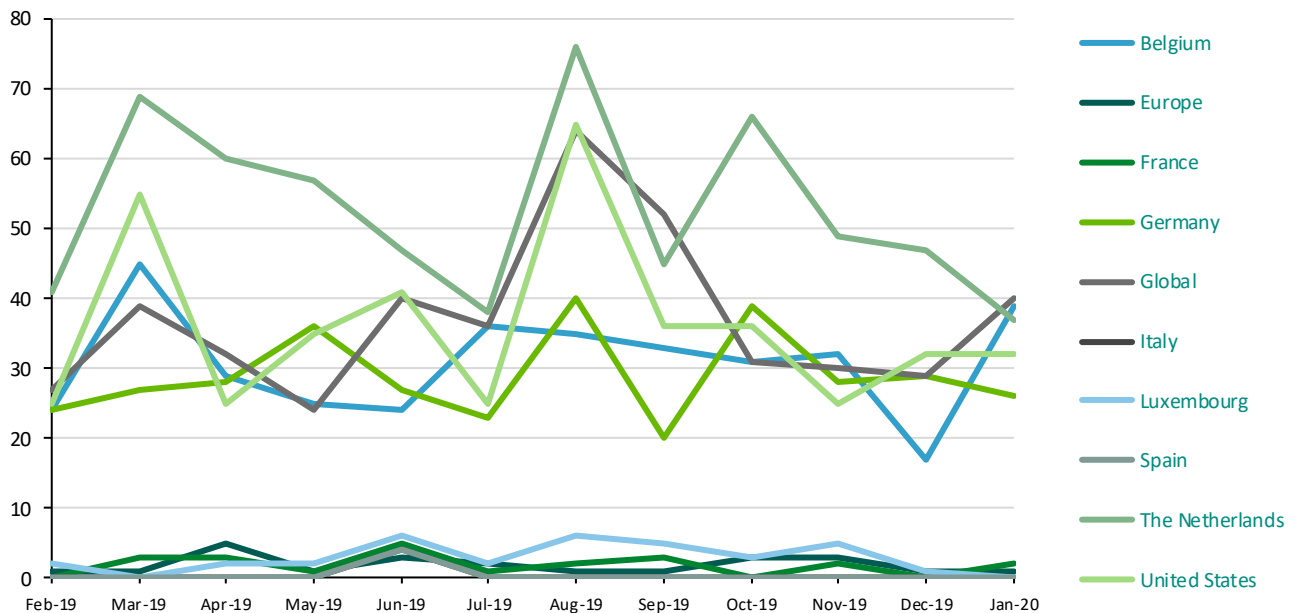
## Product Trend: Number of Live Products

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

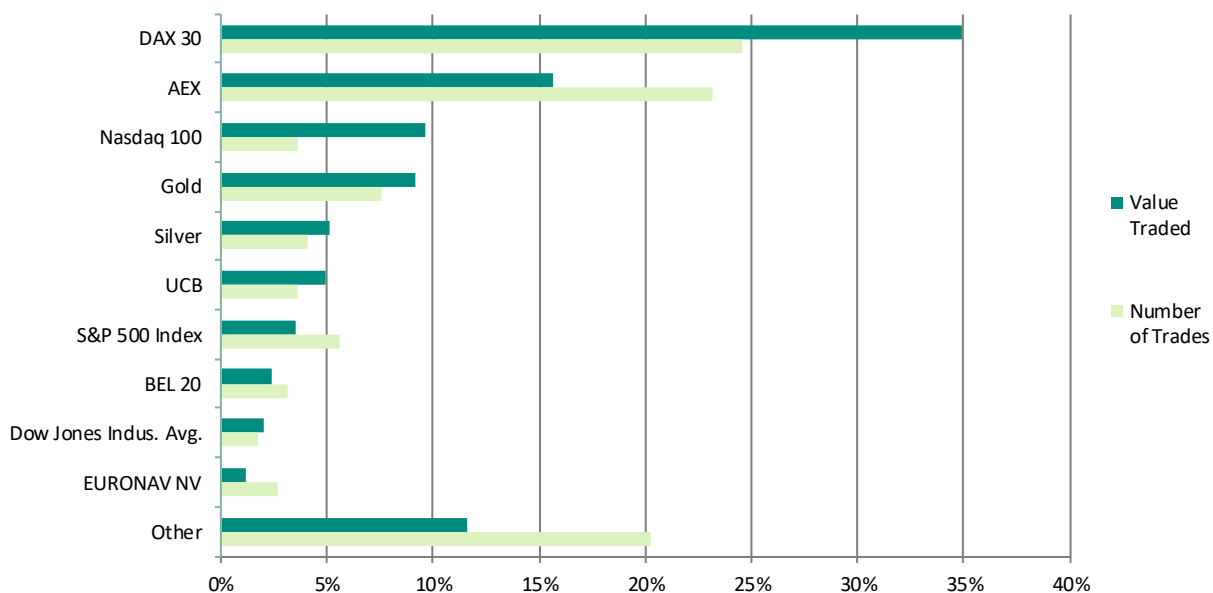
## Market Overview

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
DAX 30	146	-9.4%	4.4%	34.9%	54	3.9%	-4.8%	24.6%
AEX	65	-19.7%	-26%	15.6%	51	-28%	-21%	23.1%
Nasdaq 100	40	665%	149%	9.6%	7.9	48%	47%	3.6%
Gold	38	95%	113%	9.1%	17	84%	59%	7.6%
Silver	21	649%	144%	5.1%	9.0	341%	136%	4.1%
UCB	21	611%	252%	4.9%	8.0	256%	104%	3.6%
S&P 500 Index	15	-32%	82%	3.5%	12	108%	170%	5.6%
BEL 20	10	45%	-11.6%	2.4%	7.0	2.1%	12.4%	3.2%
Dow Jones Indus. Avg.	8	41%	19.5%	2.0%	3.8	-11.2%	4.8%	1.7%
EURONAV NV	5	37%	34%	1.2%	5.9	115%	90%	2.7%
Other	49	-84%	-83%	11.6%	45	12.4%	-16.0%	20.2%
<b>Total</b>	<b>419</b>	<b>-31.6%</b>	<b>-29.2%</b>	<b>100%</b>	<b>221</b>	<b>9.6%</b>	<b>2.1%</b>	<b>100%</b>

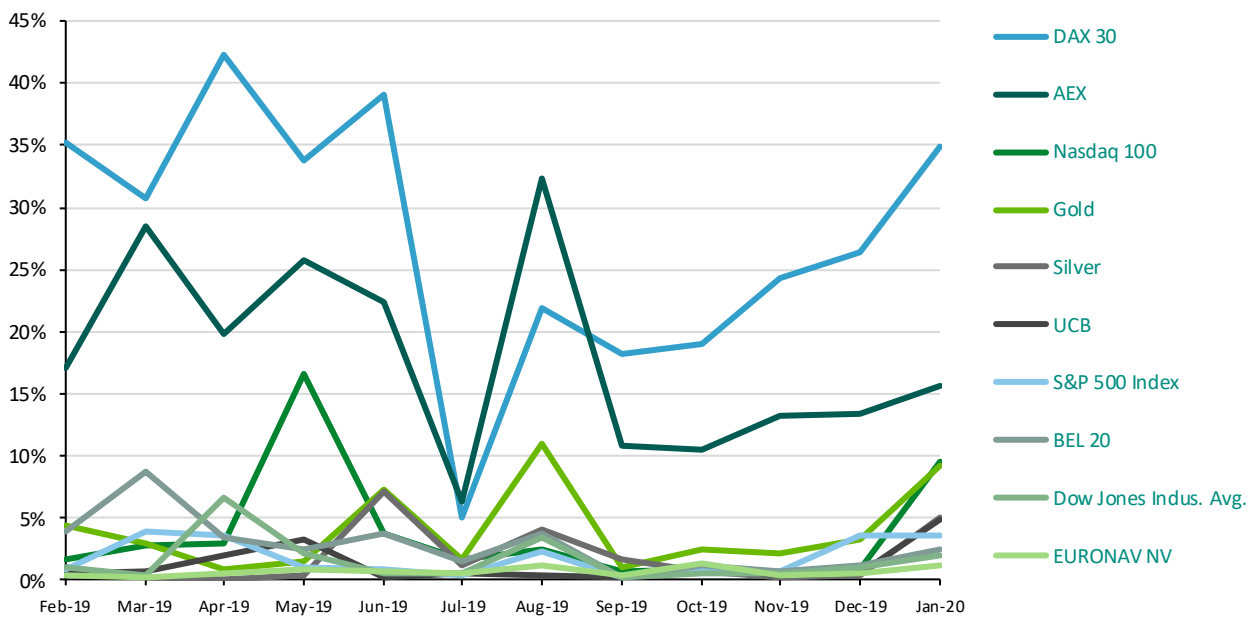
(Source Euronext)



# TOP 10 UNDERLYINGS

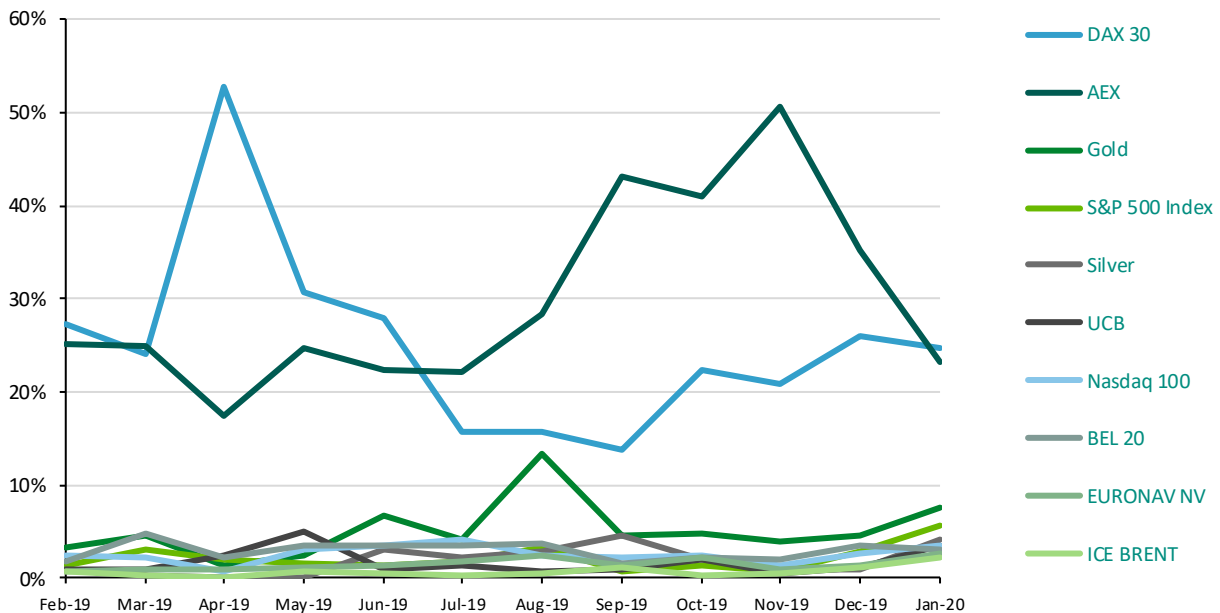
## Market Trend: Value traded

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

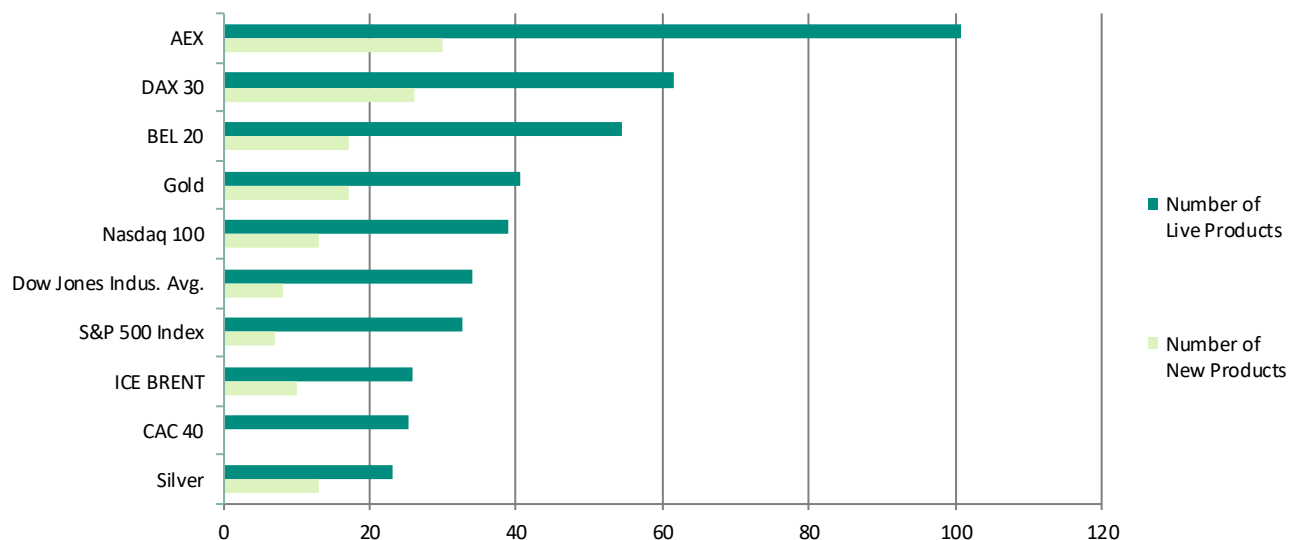
## Product Overview

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	101	1.3%	7.5%	12.1%	30	-25%	-25%	16.9%
DAX 30	61	11.2%	11.8%	7.4%	26	-10.3%	-9.6%	14.7%
BEL 20	54	12.4%	15.2%	6.5%	17	70%	28%	9.6%
Gold	41	2.2%	12.7%	4.9%	17	31%	-2.9%	9.6%
Nasdaq 100	39	14.3%	30%	4.7%	13	-7.1%	3.3%	7.3%
Dow Jones Indus. Avg.	34	7.9%	17.4%	4.1%	8	14.3%	-18.6%	4.5%
S&P 500 Index	33	10.1%	24%	3.9%	7	-12.5%	-10.6%	4.0%
ICE BRENT	26	4.2%	2.0%	3.1%	10	400%	94%	5.6%
CAC 40	25	-3.1%	-9.6%	3.0%	0		-100%	0.0%
Silver	23	-4.0%	13.2%	2.8%	13	8.3%	-3.1%	7.3%
Other	398	1.4%	2.4%	47.7%	36			20.3%
<b>Total</b>	<b>835</b>	<b>3.7%</b>	<b>7.1%</b>	<b>100%</b>	<b>177</b>	<b>13.5%</b>	<b>-8.1%</b>	<b>100%</b>

(Source Euronext)

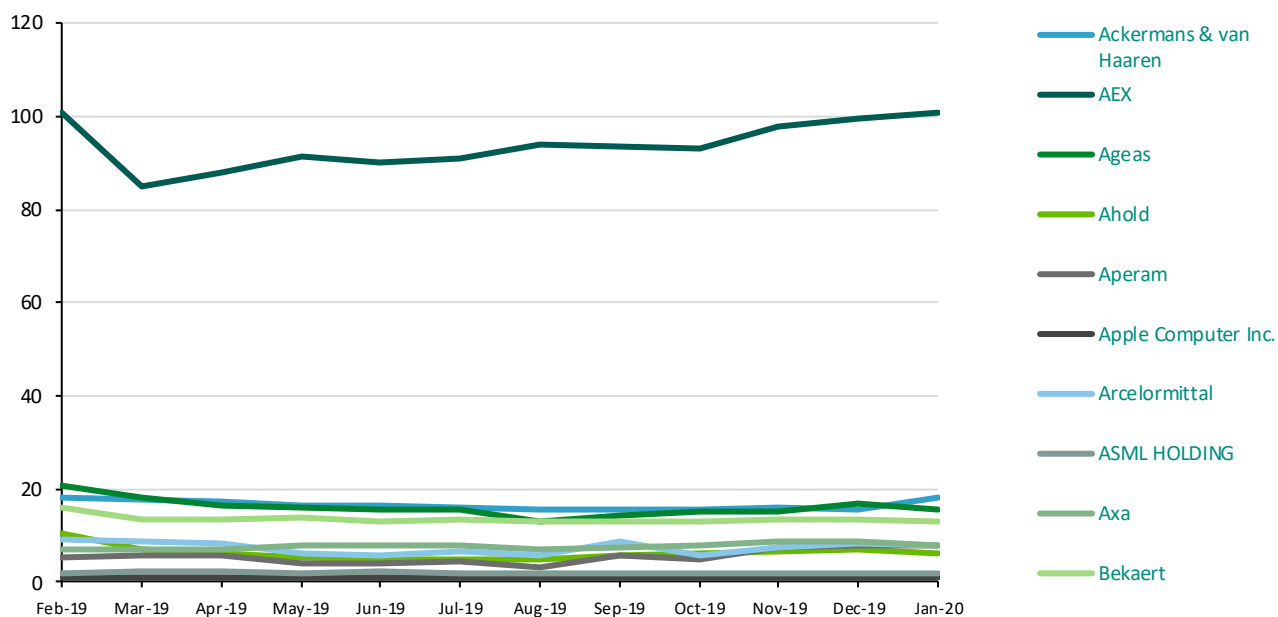




# TOP 10 UNDERLYINGS

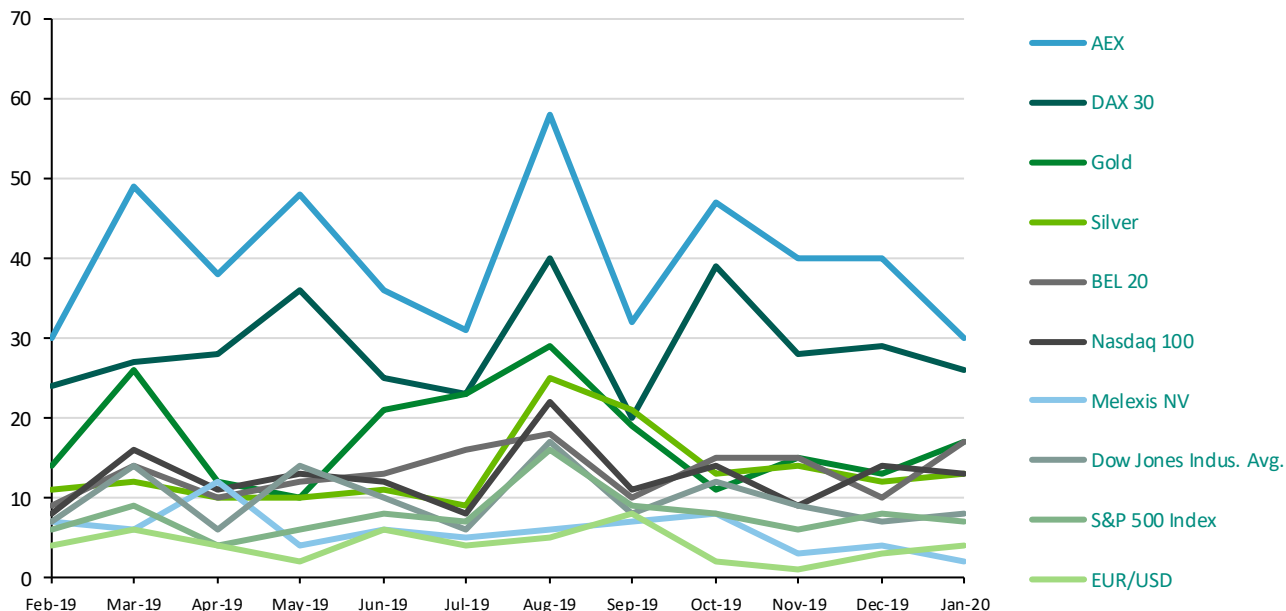
## Product Trend: Number of Live Products

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
DE000CJ3MZR6	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	745	116
DE000CJ3MZY2	Commerzbank	2205	Open-End Knock-Out Warrants	Nasdaq 100	734	60
DE000CJ3MNM3	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	650	305
DE000CJ3M148	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	488	92
DE000CJ3MZS4	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	421	192
DE000CJ3MXX9	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	273	195
DE000CJ3MZB0	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	227	116
DE000CJ3MXH2	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	208	94
DE000CJ3MWK8	Commerzbank	2205	Open-End Knock-Out Warrants	Silver	201	55
DE000CJ3MW56	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	180	40
DE000CJ3MUS5	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	173	78
DE000CJ3MZG9	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	162	60
DE000CJ3MVB9	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	155	69
DE000CJ3MXW1	Commerzbank	2205	Open-End Knock-Out Warrants	S&P 500 Index	140	54
DE000CJ3MMY0	Commerzbank	2205	Open-End Knock-Out Warrants	UCB	122	38
DE000CJ3MW64	Commerzbank	2205	Open-End Knock-Out Warrants	Silver	120	75
DE000CJ3LXY9	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	117	32
DE000CJ3MOD8	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	110	148
DE000CJ3MY47	Commerzbank	2205	Open-End Knock-Out Warrants	UCB	107	30
DE000CJ3MWH4	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	99	9
DE000CJ3M2G7	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	98	29
DE000CJ3K852	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	96	18
DE000CJ3MNB6	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	93	48
DE000CJ3M0C0	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	87	60
DE000CJ3MVA1	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	82	65
DE000CJ3ML18	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	76	33
DE000CJ3KV34	Commerzbank	2205	Open-End Knock-Out Warrants	Dow Jones Indus. Avg.	71	8
DE000CJ3L2M6	Commerzbank	2205	Open-End Knock-Out Warrants	Silver	71	22
DE000CJ3MUN6	Commerzbank	2205	Open-End Knock-Out Warrants	S&P 500 Index	67	76
LU1830982507	KBC	2100	Warrants	Sanofi-Aventis	65	2
DE000CJ3MPC9	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	64	41
DE000CN907Q4	Commerzbank	2210	Mini-Futures	BEL 20	60	7
DE000CJ3ML34	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	56	18
DE000CJ3MN08	Commerzbank	2205	Open-End Knock-Out Warrants	Arcelormittal	55	24
DE000CJ3M1Y2	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	55	66
DE000CJ3M0S6	Commerzbank	2205	Open-End Knock-Out Warrants	Dow Jones Indus. Avg.	53	25
DE000CJ3MK01	Commerzbank	2205	Open-End Knock-Out Warrants	UCB	52	20
DE000CJ3M0Z1	Commerzbank	2205	Open-End Knock-Out Warrants	Nasdaq 100	51	27
DE000CJ3MZ12	Commerzbank	2205	Open-End Knock-Out Warrants	UCB	46	13
DE000CJ3M0P2	Commerzbank	2205	Open-End Knock-Out Warrants	UCB	45	19
DE000CJ3LQT3	Commerzbank	2205	Open-End Knock-Out Warrants	Silver	44	13
DE000CJ3MYF4	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	44	19
DE000CJ3LAS9	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	42	14
DE000CJ3J7V0	Commerzbank	2205	Open-End Knock-Out Warrants	ING	41	9
DE000CJ3MEH2	Commerzbank	2205	Open-End Knock-Out Warrants	Axa	41	10
DE000CJ3MVU9	Commerzbank	2205	Open-End Knock-Out Warrants	Umicore	40	14
DE000CJ3LU83	Commerzbank	2205	Open-End Knock-Out Warrants	Gold	39	5
DE000CJ3M130	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	38	20
DE000CJ3MS03	Commerzbank	2205	Open-End Knock-Out Warrants	S&P 500 Index	36	20
DE000CJ3MZN5	Commerzbank	2205	Open-End Knock-Out Warrants	AEX	35	44

(Source Euronext)



Euronext Lisbon

# ISSUERS

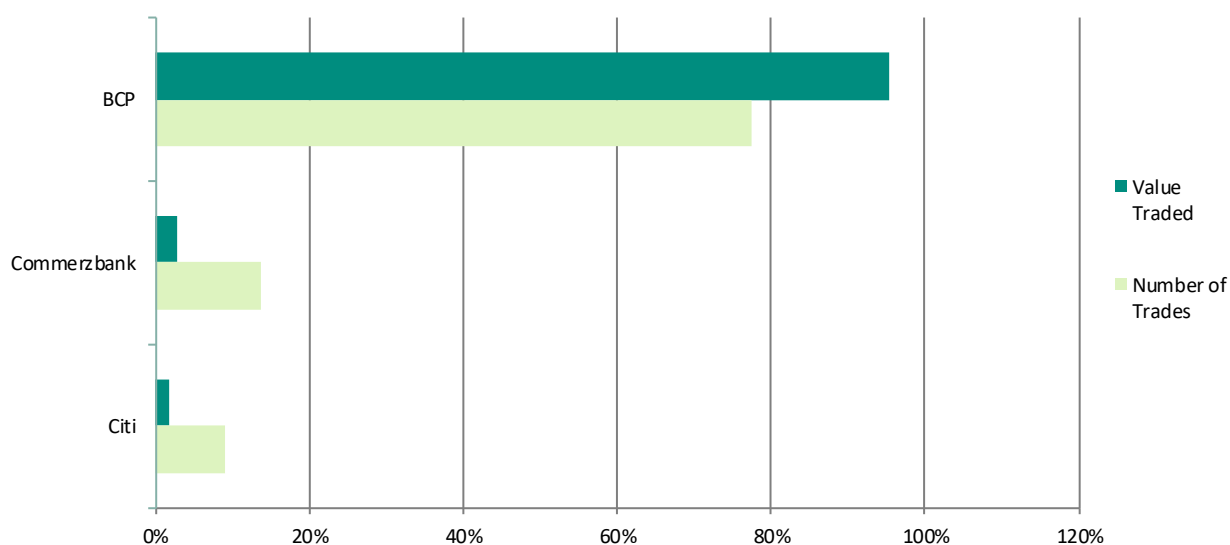
## Market Overview

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	7,079	34%	29%	95.3%	480	51.3%	33.1%	77.5%
Commerzbank	211	52%	29%	2.8%	84	86.8%	17.6%	13.6%
Citi	139	32%	12.4%	1.9%	56	44.6%	39.1%	9.0%
Total	7,429	34.5%	28.4%	100%	620	54.7%	31.3%	100%

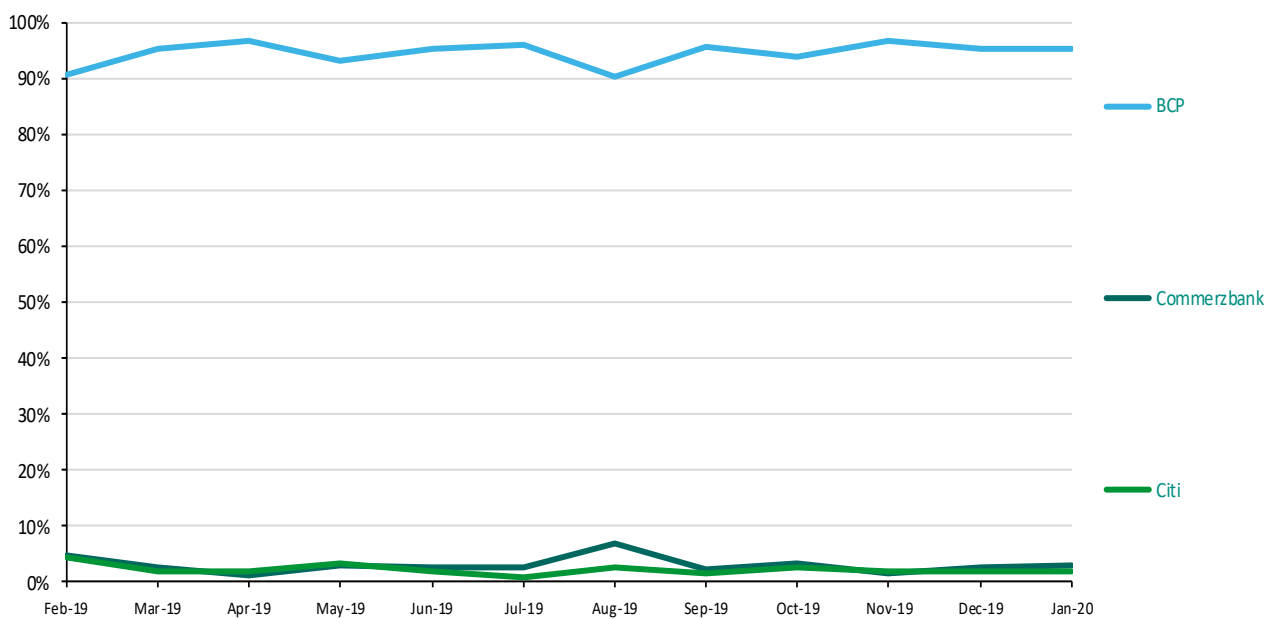
(Source Euronext)



# ISSUERS

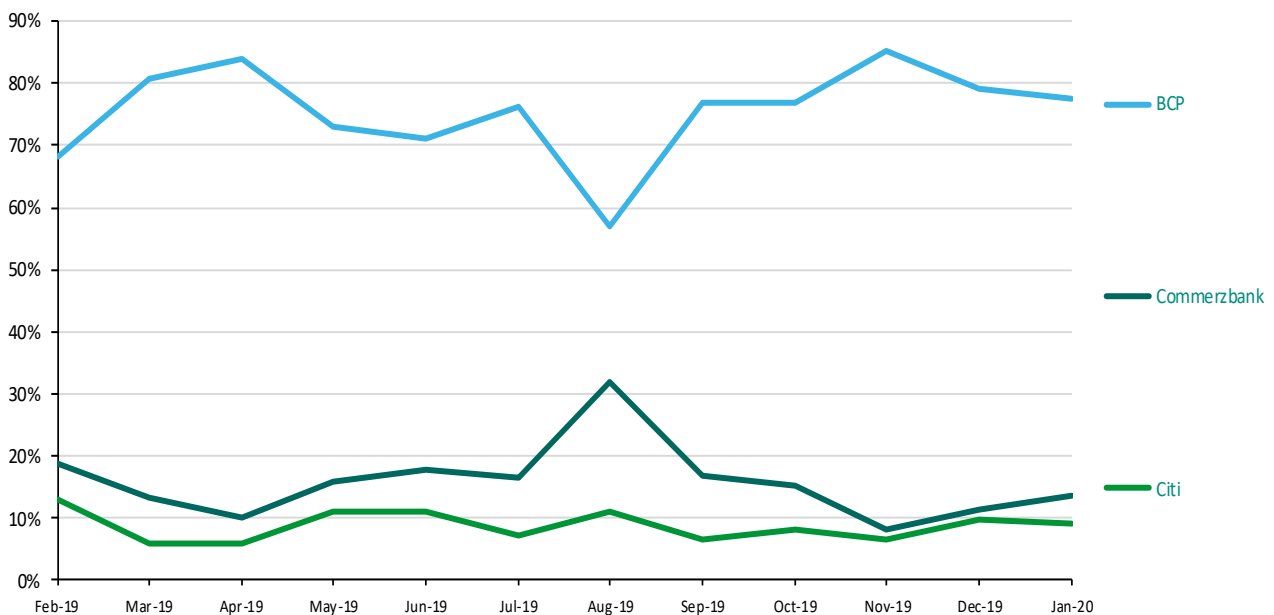
## Market Trend: Value traded

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

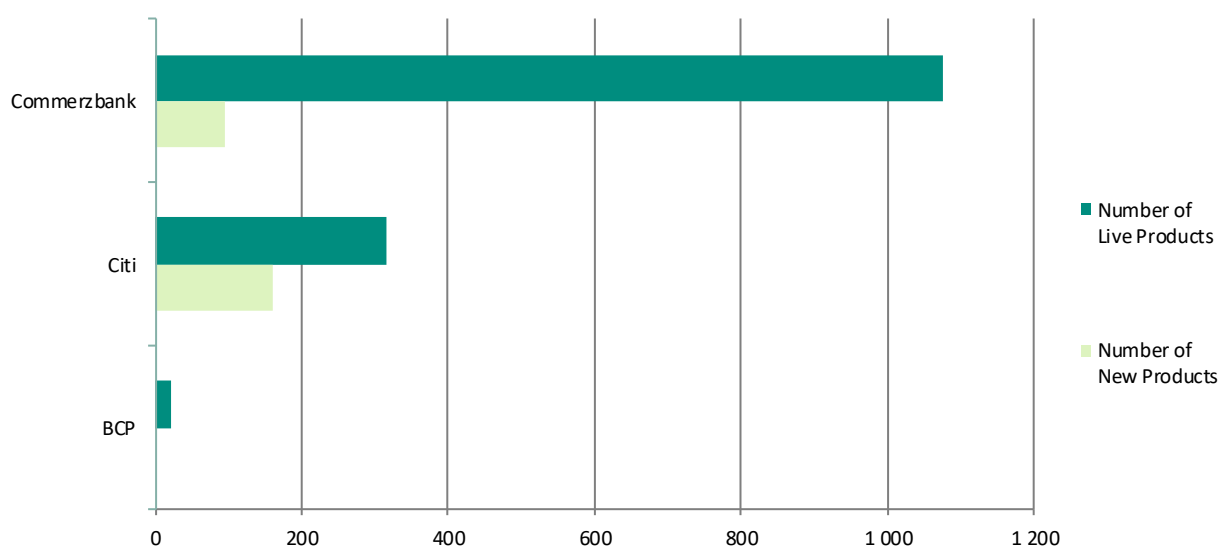
## Product Overview

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	1,077	-0.5%	-5.5%	76.2%	94	-66%	-60%	36.9%
Citi	315	-12.1%	-25%	22.3%	161	38%	31%	63.1%
BCP	21	1.3%	-4.1%	1.5%	0			0.0%
<b>Total</b>	<b>1,413</b>	<b>-3.3%</b>	<b>-10.8%</b>	<b>100%</b>	<b>255</b>	<b>-34.9%</b>	<b>-29.1%</b>	<b>100%</b>

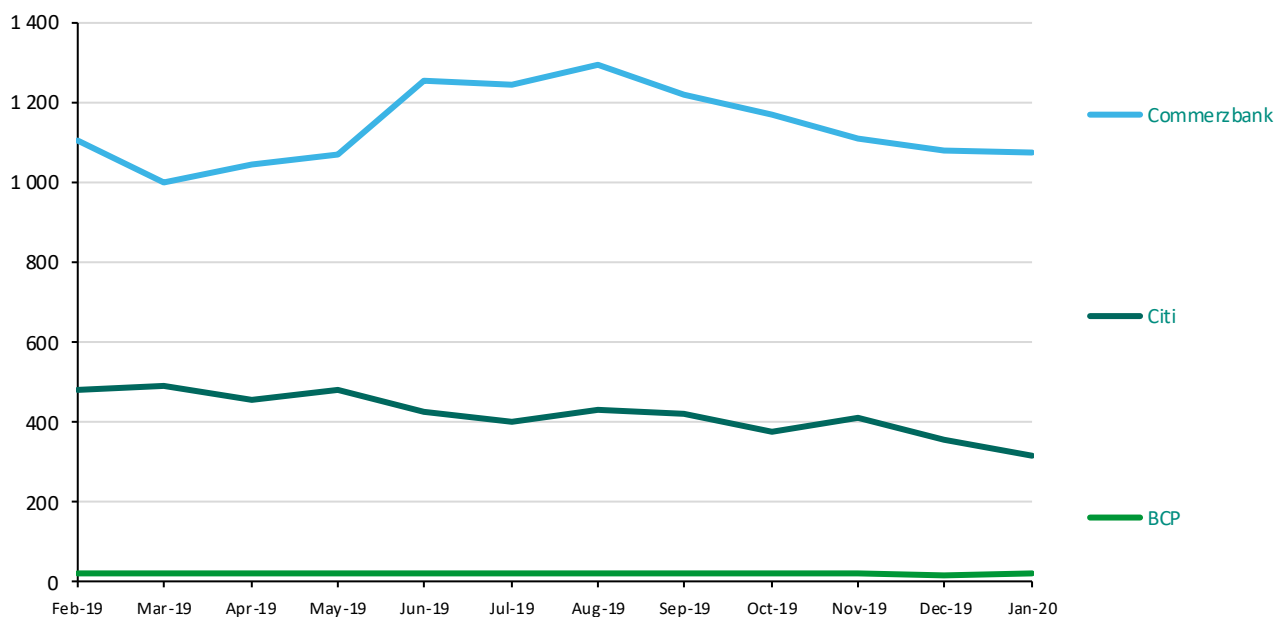
(Source Euronext)



# ISSUERS

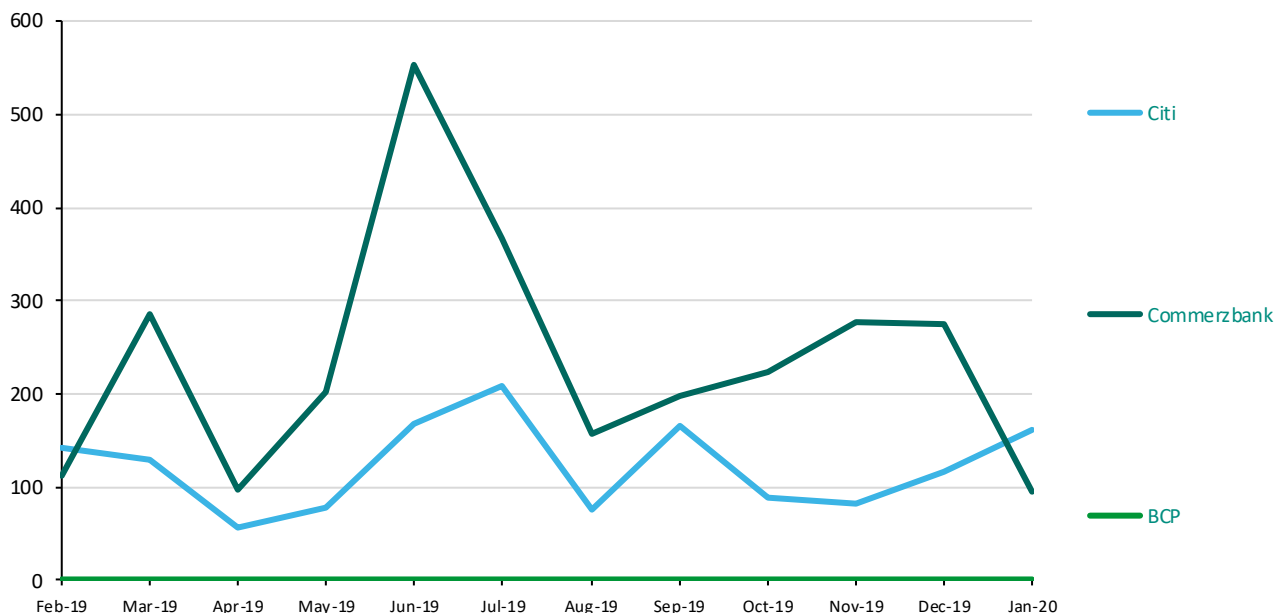
## Product Trend: Number of Live Products

The historical graph below displays the daily average number of live products for each issuer on Euronext 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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

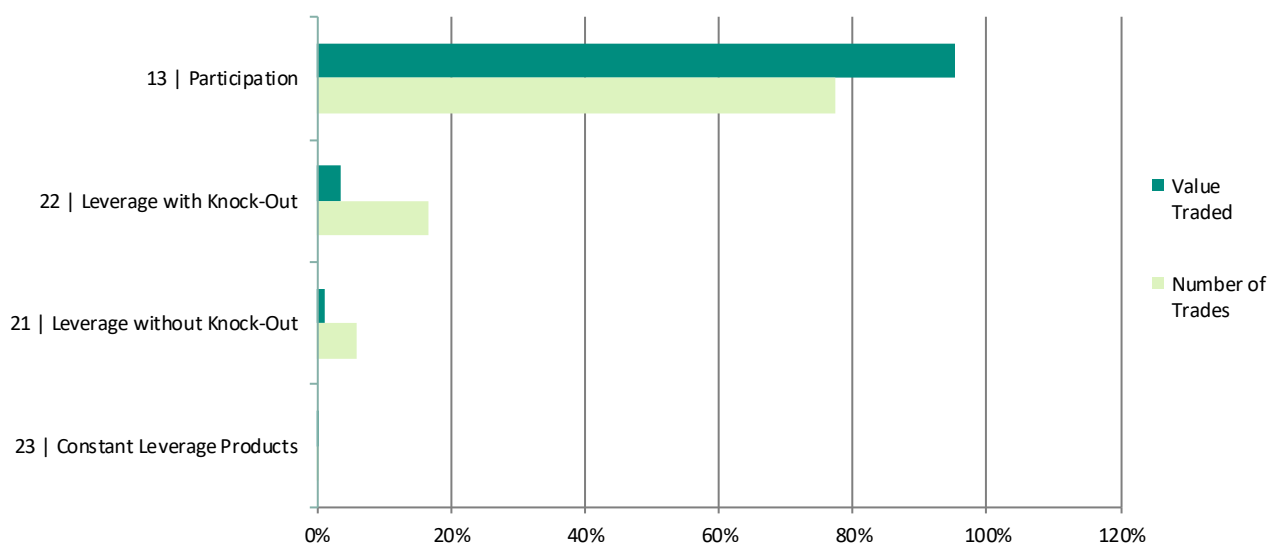
## Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product type (EUSIPA<sup>1</sup> 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	7,079	34%	29%	95.3%	480	51.3%	33.1%	77.5%
22   Leverage with Knock-Out	258	88%	22%	3.5%	103	84.5%	28.2%	16.6%
21   Leverage without Knock-Out	83	91%	31%	1.1%	37	36.4%	21.7%	5.9%
23   Constant Leverage Products	9	-86%	-25%	0.1%	0.4	-63.6%	-71.7%	0.1%
<b>Total</b>	<b>7,429</b>	<b>34.5%</b>	<b>28.4%</b>	<b>100%</b>	<b>620</b>	<b>54.7%</b>	<b>31.3%</b>	<b>100%</b>

(Source Euronext)

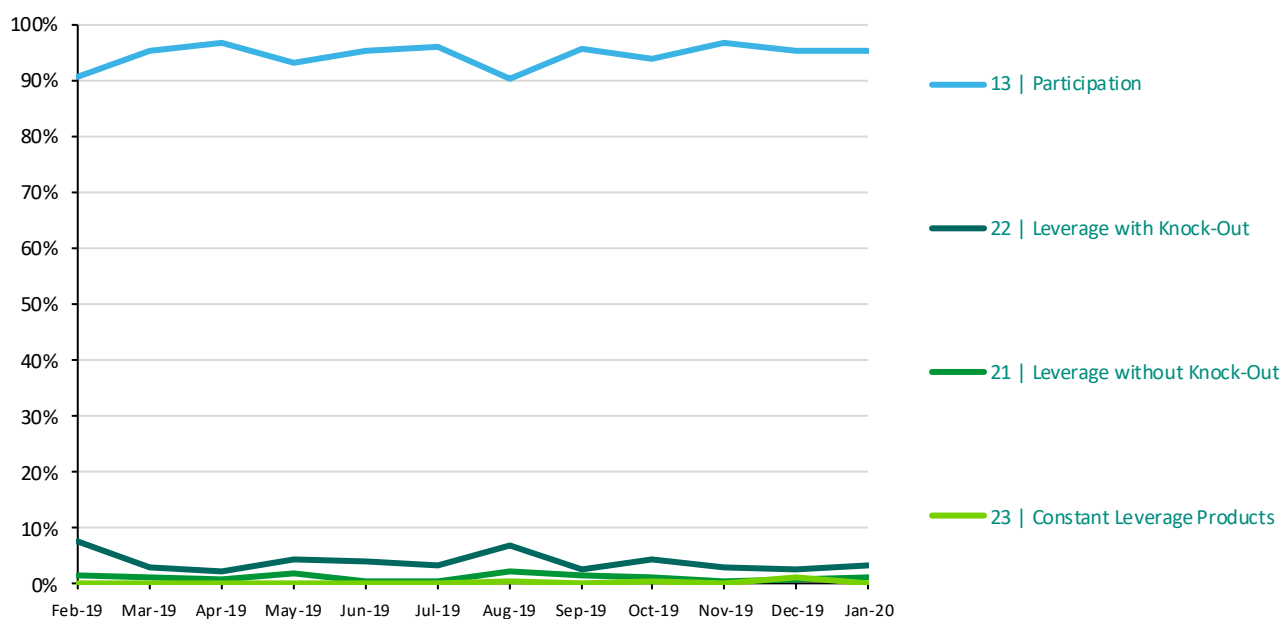




# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

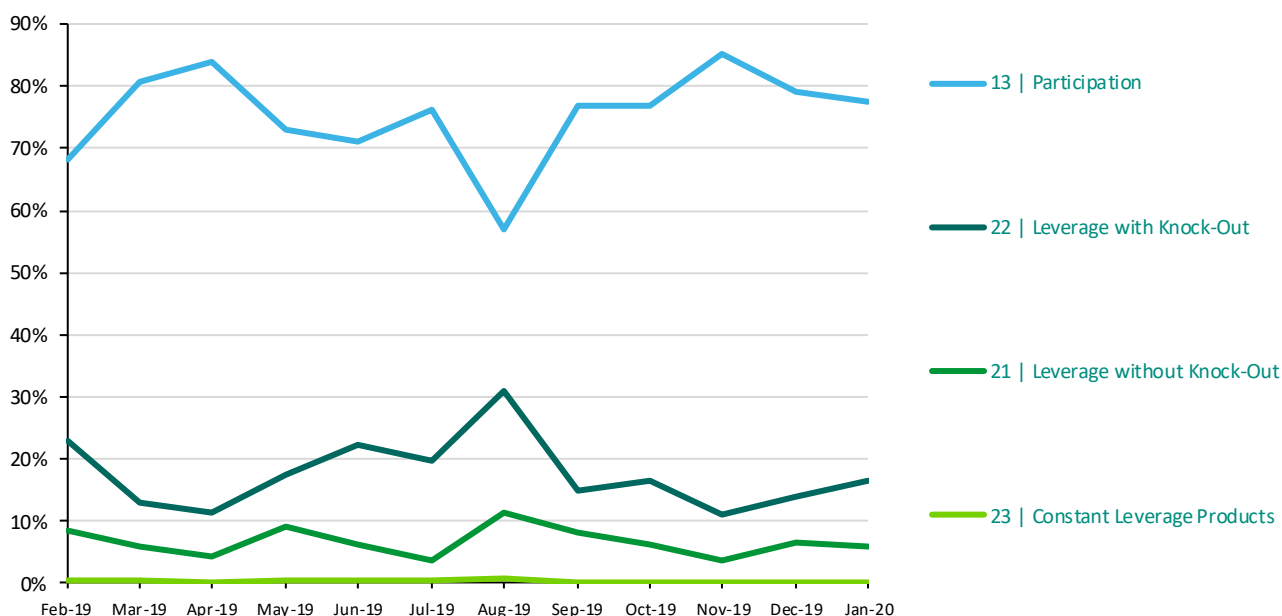
## Market Trend: Value traded

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

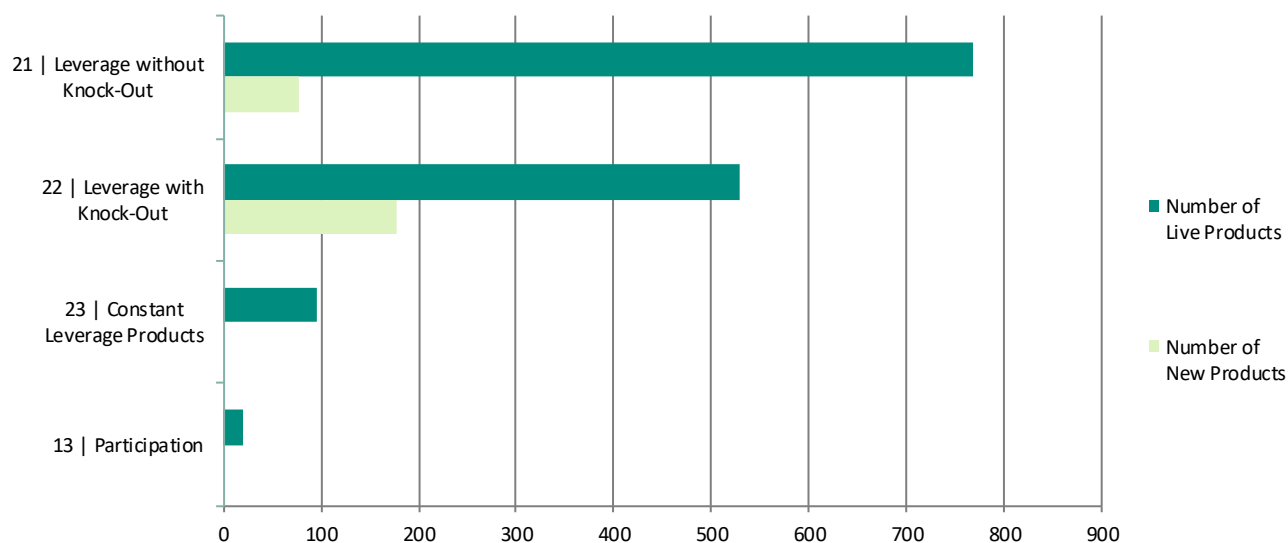
### Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product type (EUSIPA<sup>1</sup> 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	768	6.2%	-16.3%	54.4%	78	-49%	-21%	30.6%
22   Leverage with Knock-Out	528	-15.2%	-1.9%	37.4%	177	-26%	-31%	69.4%
23   Constant Leverage Products	95	1.1%	-8.7%	6.8%	0		-100%	0.0%
13   Participation	21	1.3%	-4.1%	1.5%	0			0.0%
<b>Total</b>	<b>1,413</b>	<b>-3.3%</b>	<b>-10.8%</b>	<b>100%</b>	<b>255</b>	<b>-34.9%</b>	<b>-29.1%</b>	<b>100%</b>

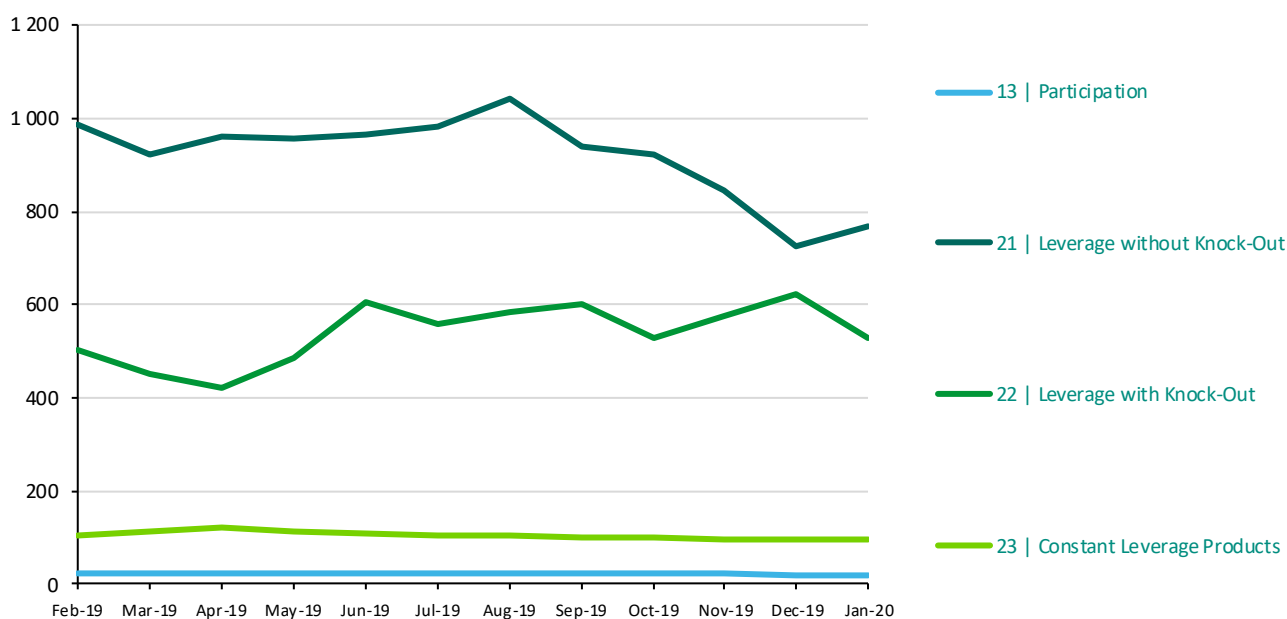
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

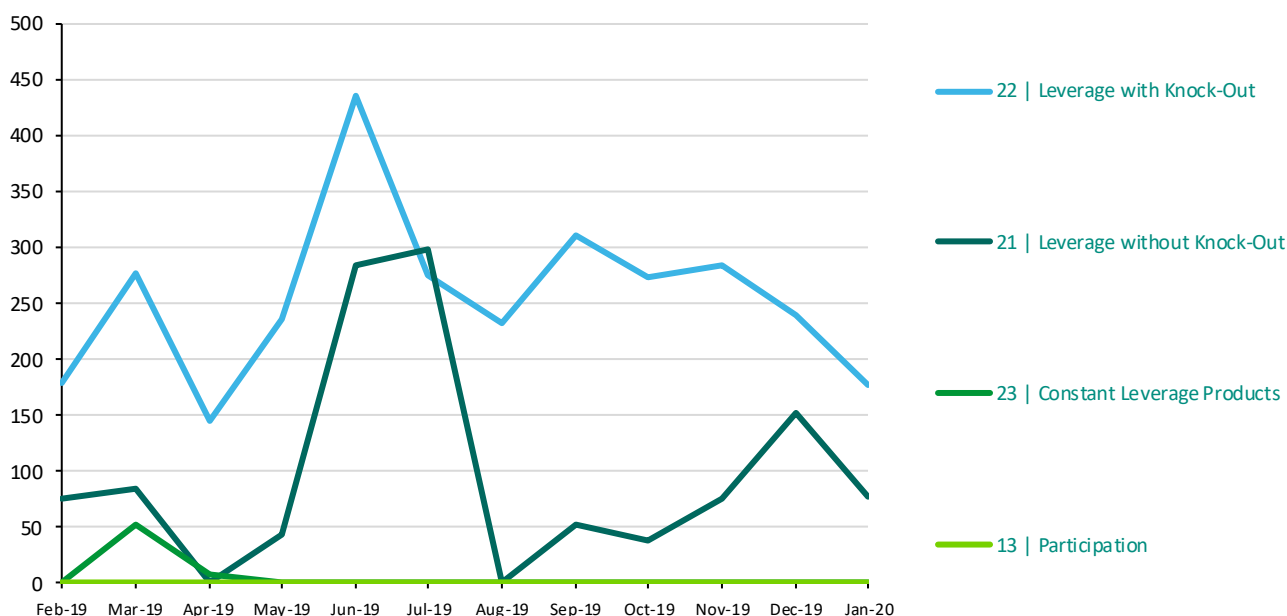
## Product Trend: Number of Live Products

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

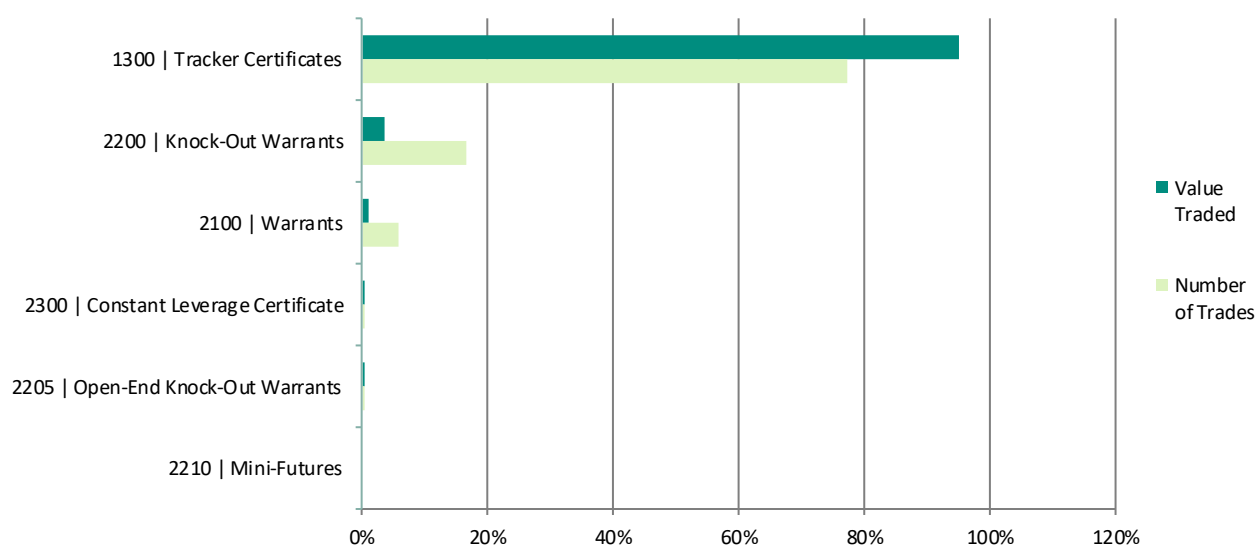
## Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product type (EUSIPA<sup>1</sup> 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	7,079	34%	29%	95.3%	480	51.3%	33.1%	77.5%
2200   Knock-Out Warrants	258	88%	23%	3.5%	102	86%	31%	16.5%
2100   Warrants	83	91%	31%	1.1%	37	36%	22%	5.9%
2300   Constant Leverage Certificate	9	-86%	-25%	0.1%	0.4	-64%	-72%	0.1%
2205   Open-End Knock-Out Warrants	0	-81%	-99%	0.0%	0.3	-55%	-83%	0.0%
2210   Mini-Futures	0		-100%	0.0%	0.0		-100%	0.0%
<b>Total</b>	<b>7,429</b>	<b>34.5%</b>	<b>28.4%</b>	<b>100%</b>	<b>620</b>	<b>54.7%</b>	<b>31.3%</b>	<b>100%</b>

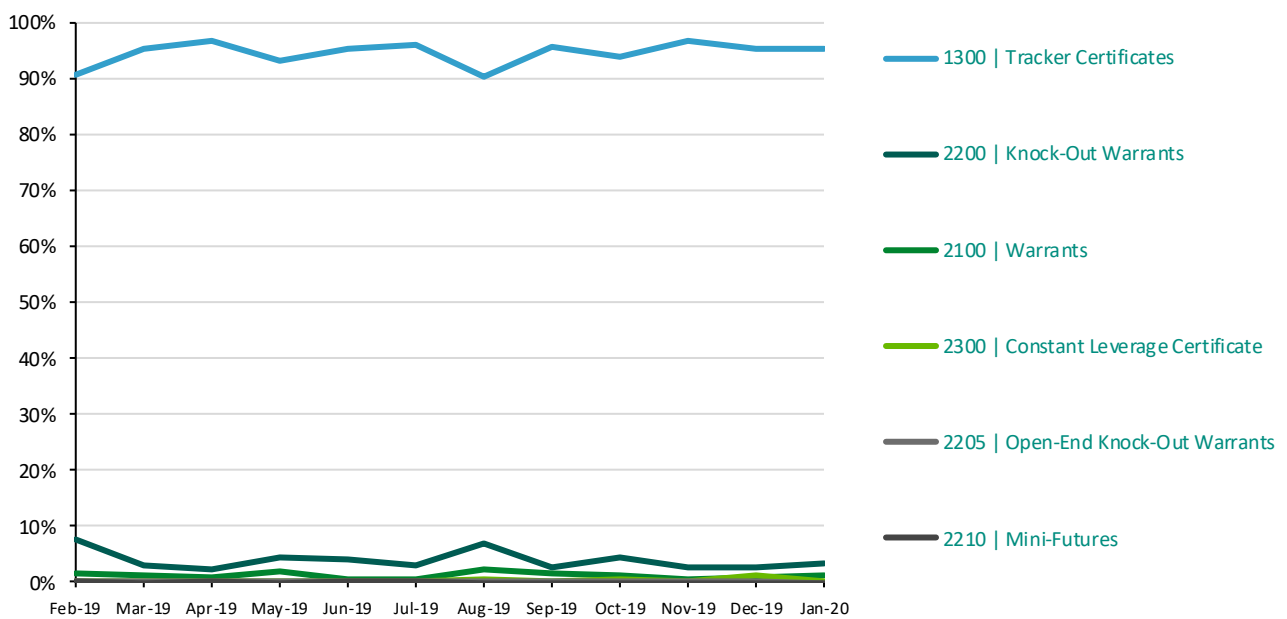
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

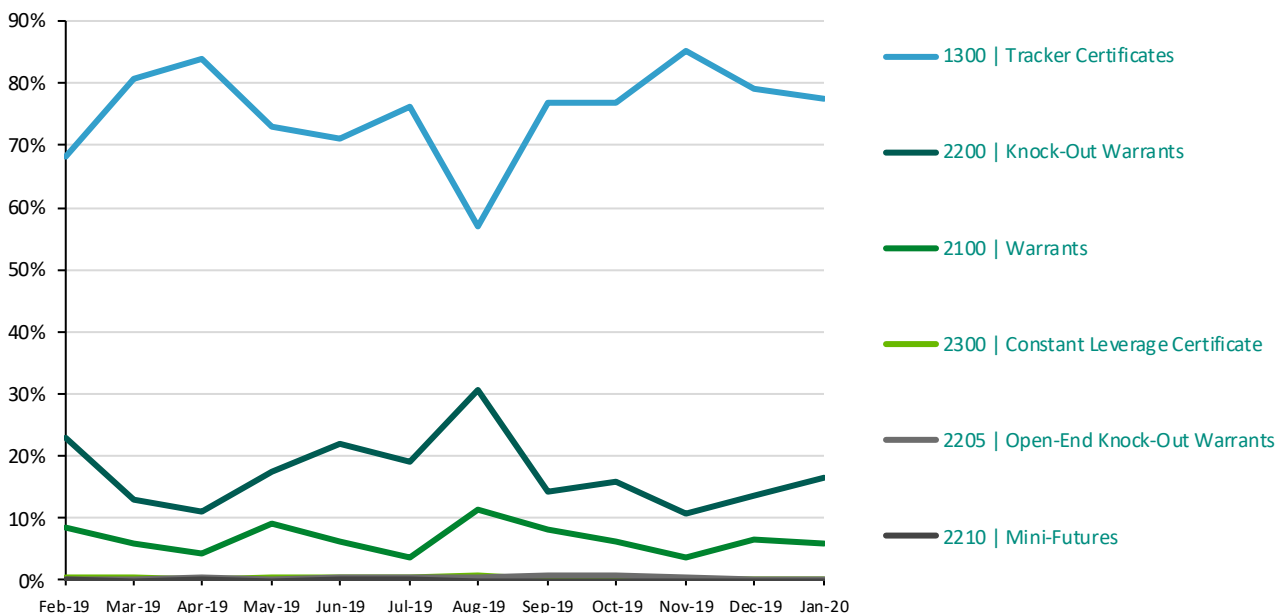
## Market Trend: Value traded

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

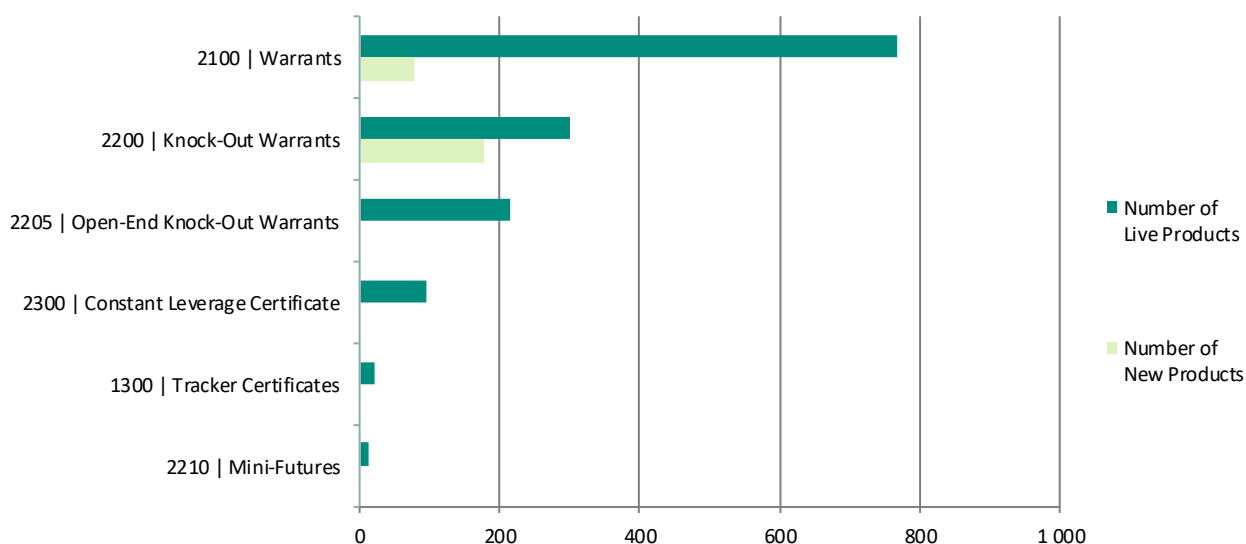
## Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Lisbon per product type (EUSIPA<sup>1</sup> 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	768	6.2%	-16.3%	54.4%	78	-49%	-21%	30.6%
2200   Knock-Out Warrants	300	-23%	-9.6%	21.2%	177	-12.4%	-18.9%	69.4%
2205   Open-End Knock-Out Warrants	215	-2.3%	13.8%	15.2%	0	-100%	-100%	0.0%
2300   Constant Leverage Certificate	95	1.1%	-8.7%	6.8%	0		-100%	0.0%
1300   Tracker Certificates	21	1.3%	-4.1%	1.5%	0			0.0%
2210   Mini-Futures	13	1.6%	-25%	0.9%	0			0.0%
<b>Total</b>	<b>1,413</b>	<b>-3.3%</b>	<b>-10.8%</b>	<b>100%</b>	<b>255</b>	<b>-34.9%</b>	<b>-29.1%</b>	<b>100%</b>

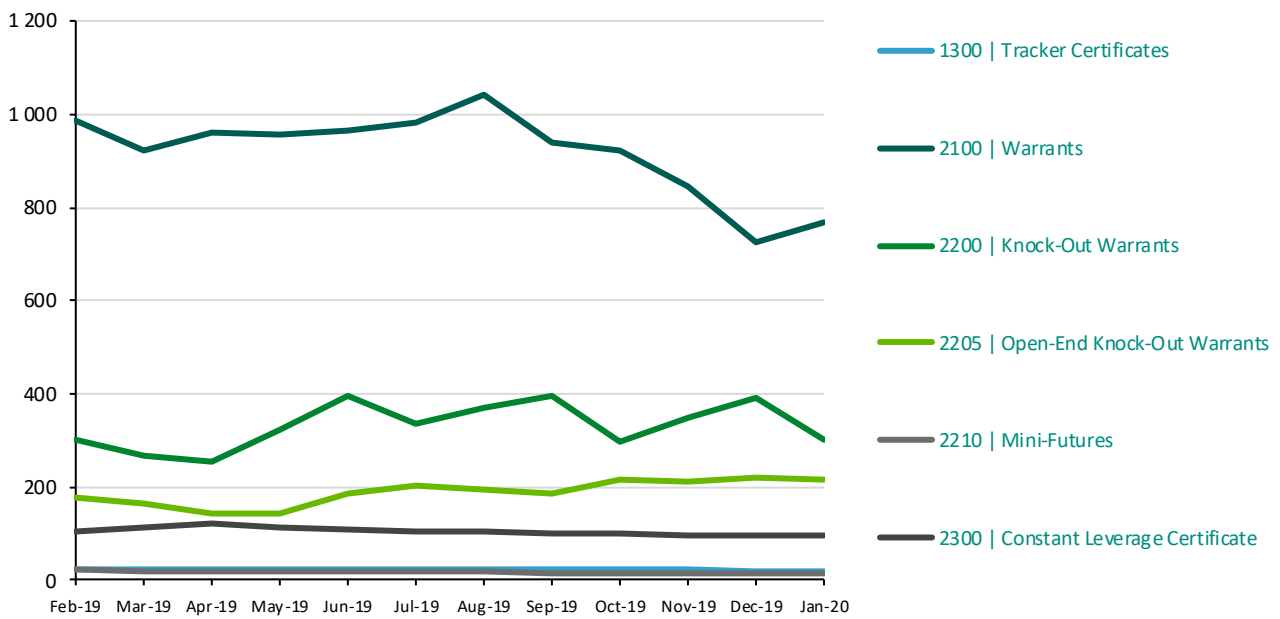
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

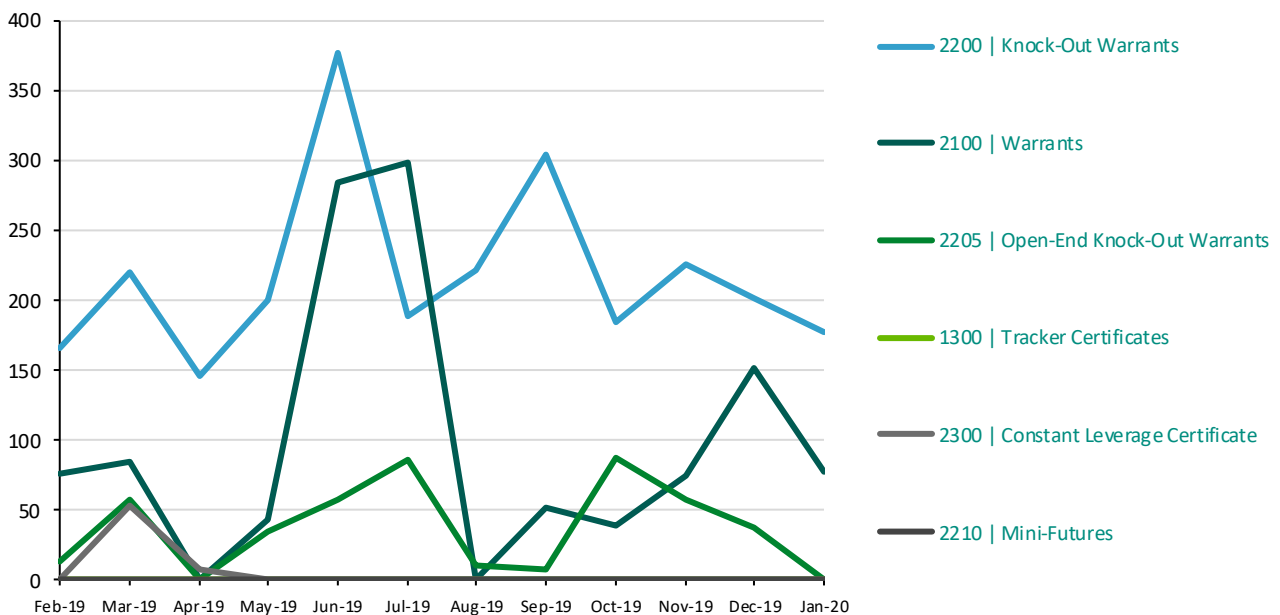
## Product Trend: Number of Live Products

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

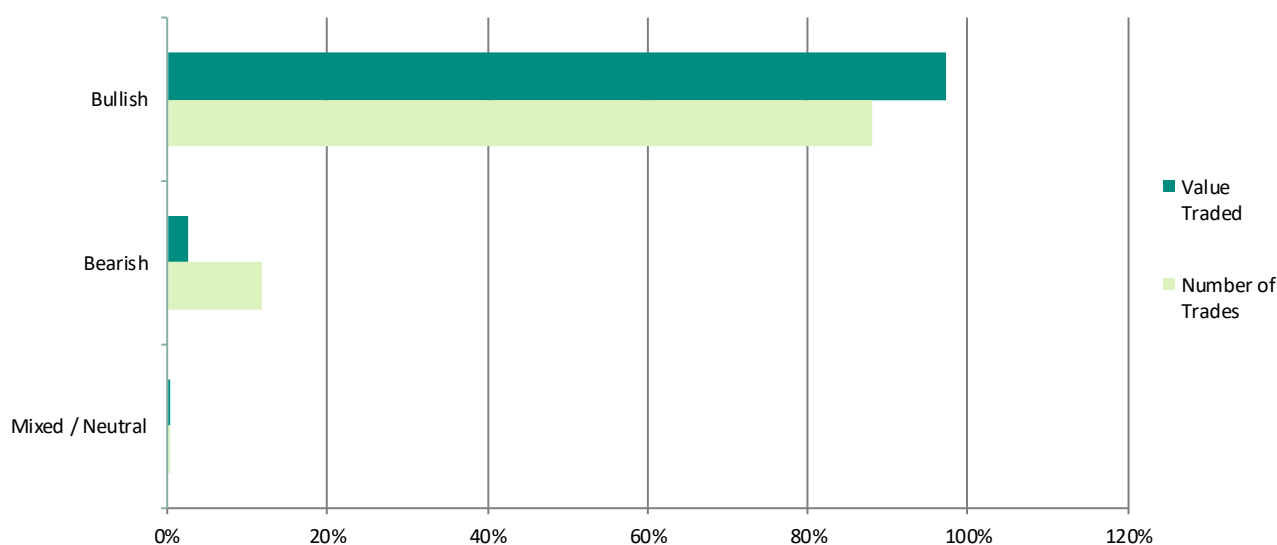
## Market Overview

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	7,234	35%	28%	97.4%	546	53.5%	32.0%	88.1%
Bearish	186	105%	33%	2.5%	73	67%	28%	11.8%
Mixed / Neutral	9	-86%	-25%	0.1%	0.4	-64%	-72%	0.1%
<b>Total</b>	<b>7,429</b>	<b>34.5%</b>	<b>28.4%</b>	<b>100%</b>	<b>620</b>	<b>54.7%</b>	<b>31.3%</b>	<b>100%</b>

(Source Euronext)

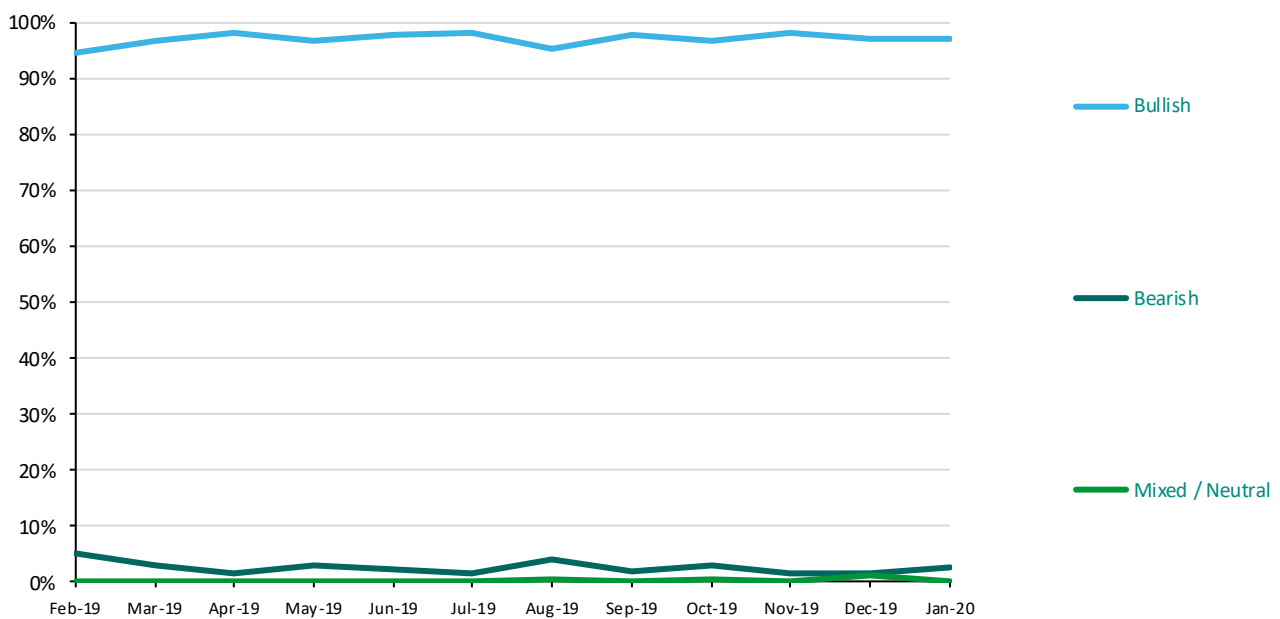




# PRODUCT STRATEGIES

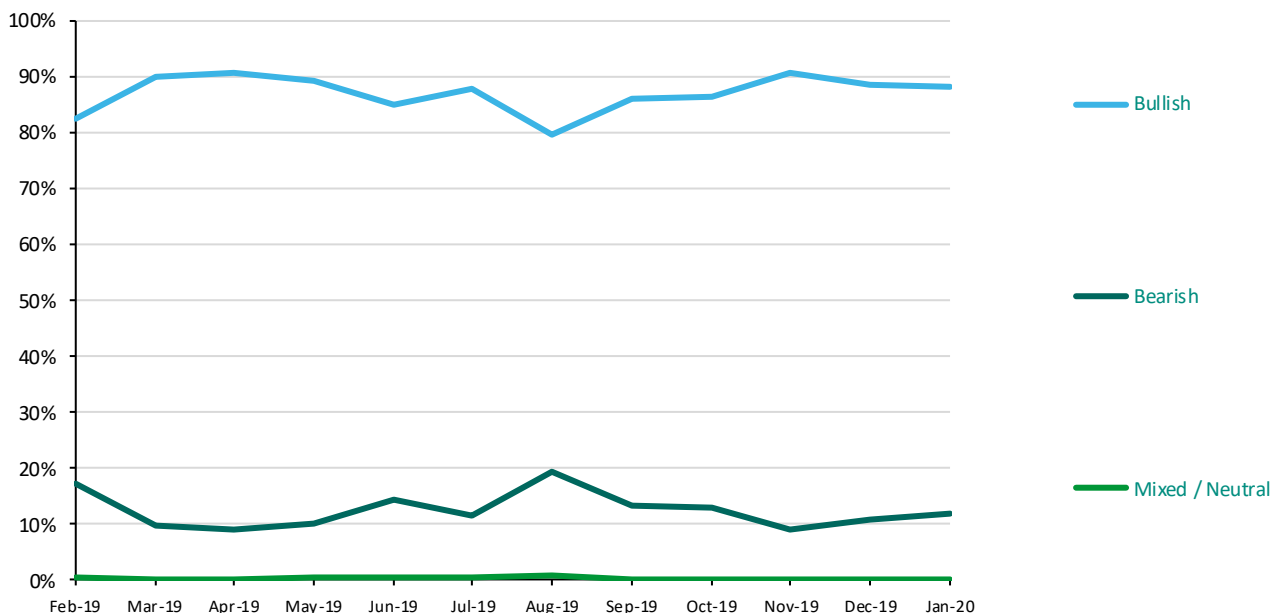
## Market Trend: Value traded

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

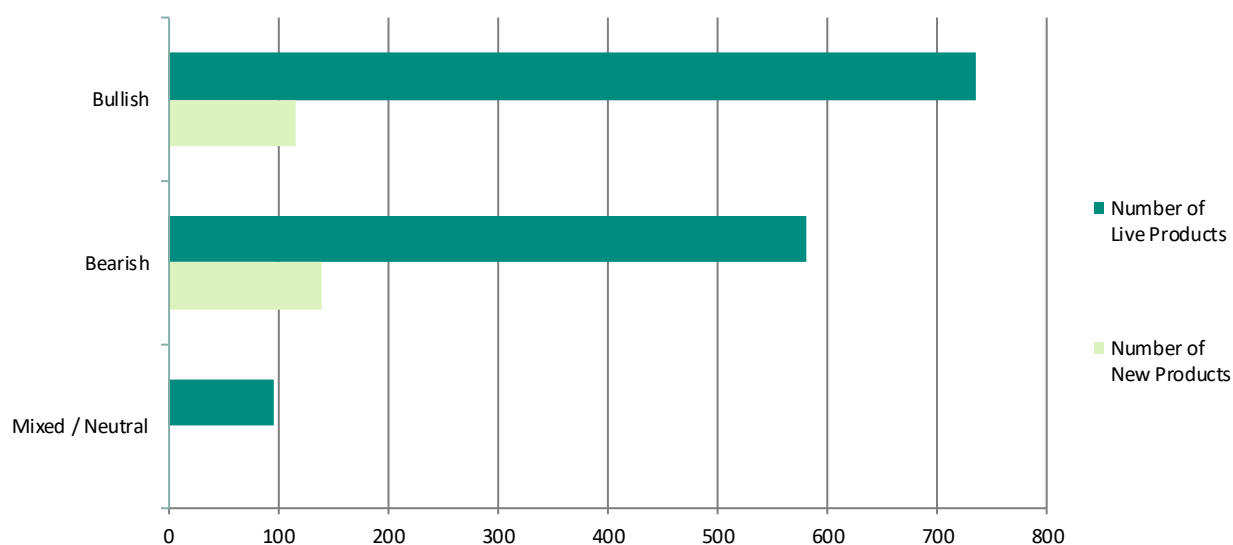
## Product Overview

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	736	-0.9%	-5.9%	52.1%	115	-45%	-37%	45.1%
Bearish	581	-6.8%	-16.5%	41.1%	140	-23%	-18.8%	54.9%
Mixed / Neutral	95	1.1%	-8.7%	6.8%	0		-100%	0.0%
<b>Total</b>	<b>1,413</b>	<b>-3.3%</b>	<b>-10.8%</b>	<b>100%</b>	<b>255</b>	<b>-34.9%</b>	<b>-29.1%</b>	<b>100%</b>

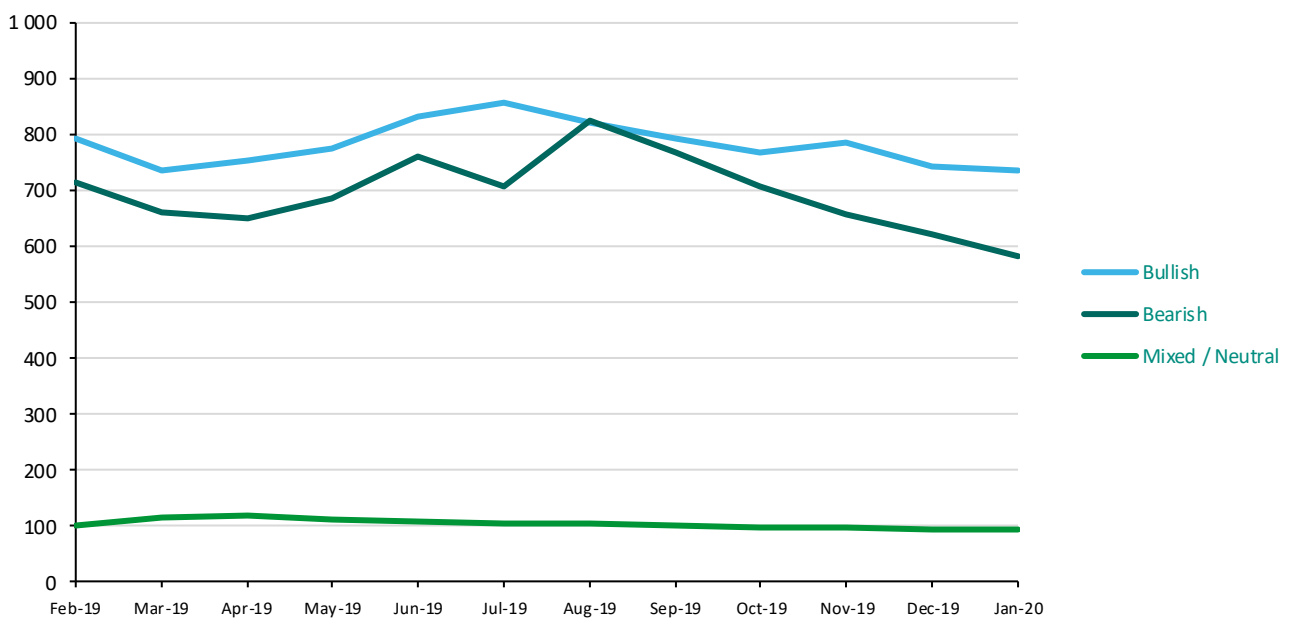
(Source Euronext)



# PRODUCT STRATEGIES

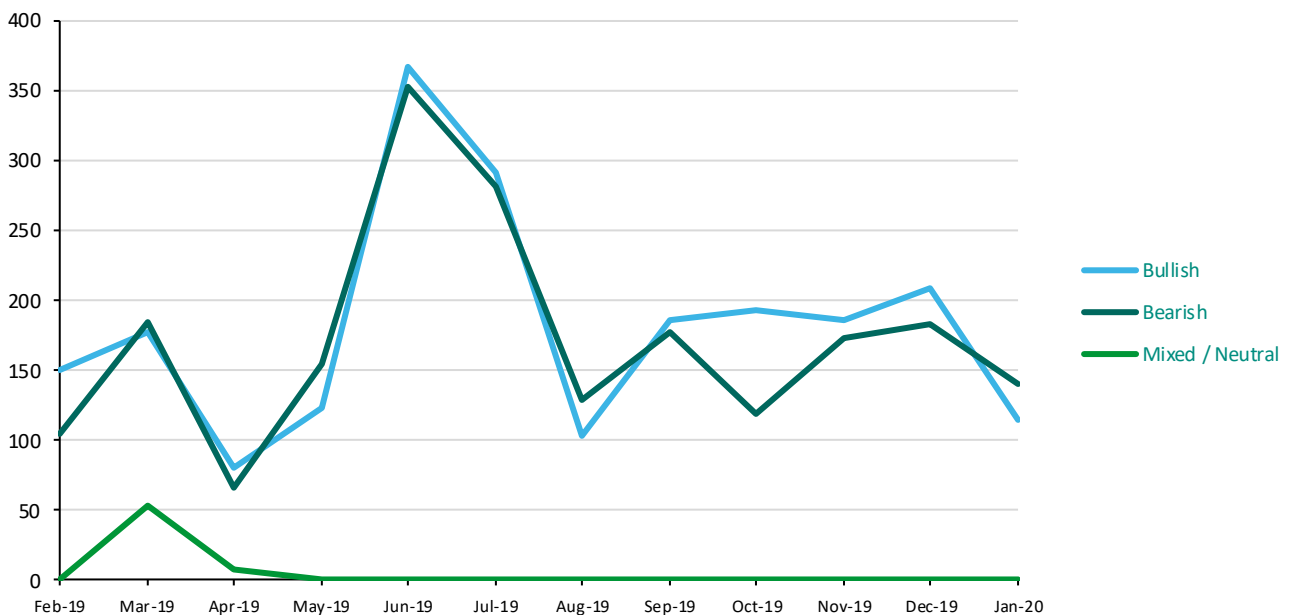
## Product Trend: Number of Live Products

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

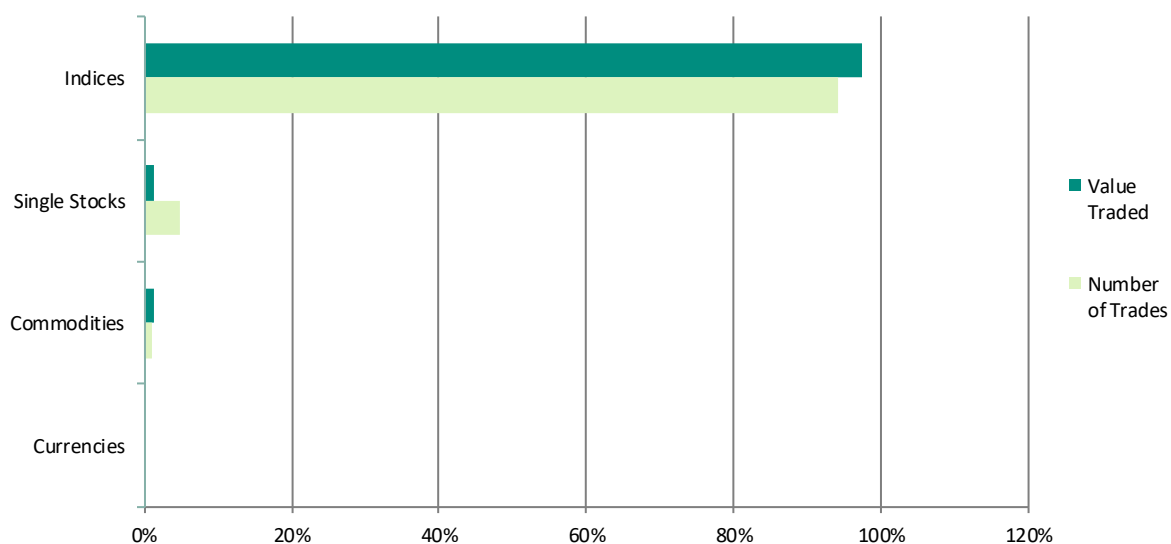
## Market Overview

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	7,238	36%	29%	97.4%	583	57.3%	33.3%	94.1%
Single Stocks	100	-7.5%	-7.5%	1.4%	30	13.4%	2.4%	4.9%
Commodities	91	14.7%	49%	1.2%	6.3	90.1%	44.0%	1.0%
Currencies	0	-100%	-100%	0.0%	0.0	-100.0%	-100.0%	0.0%
<b>Total</b>	<b>7,429</b>	<b>34.5%</b>	<b>28.4%</b>	<b>100%</b>	<b>620</b>	<b>54.7%</b>	<b>31.3%</b>	<b>100%</b>

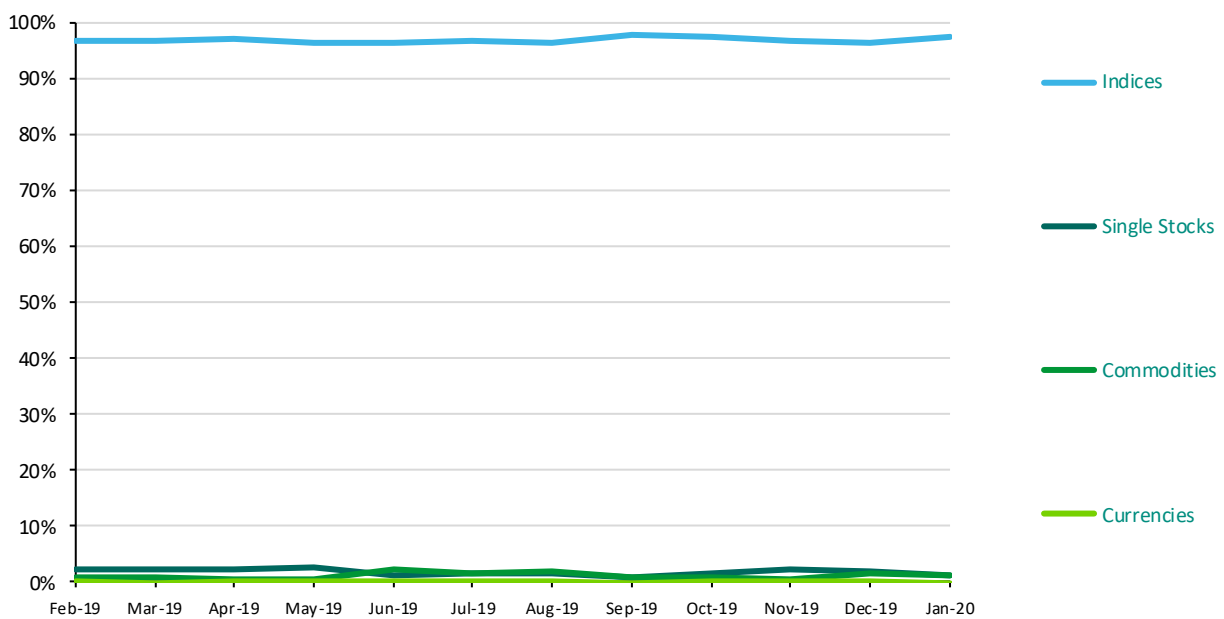
(Source Euronext)



# UNDERLYING TYPES

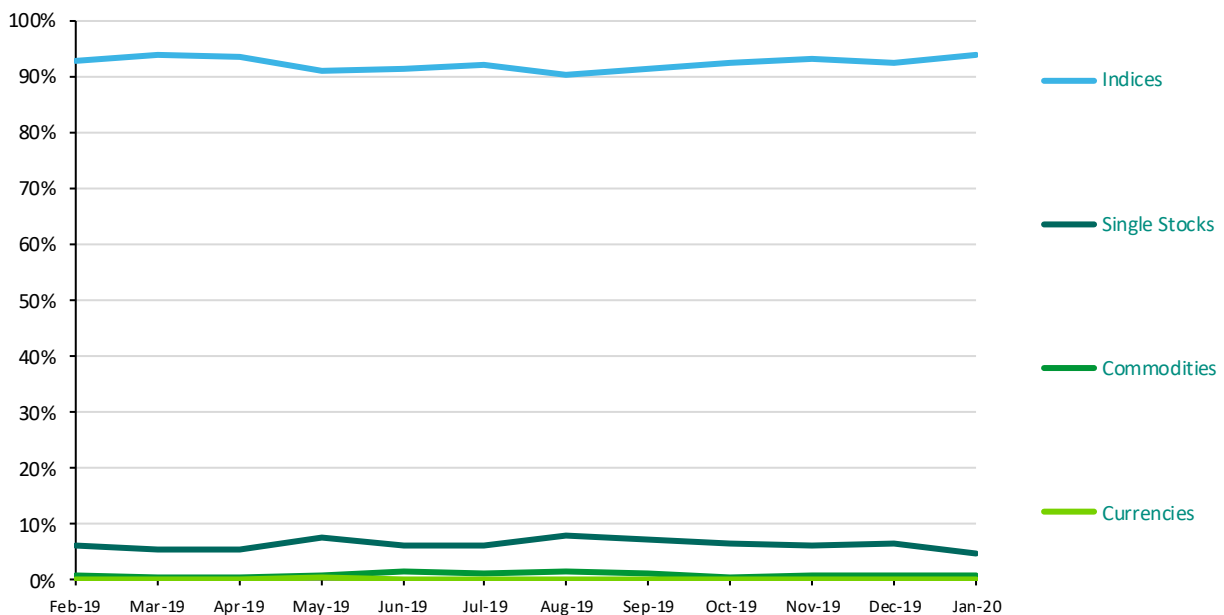
## Market Trend: Value traded

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

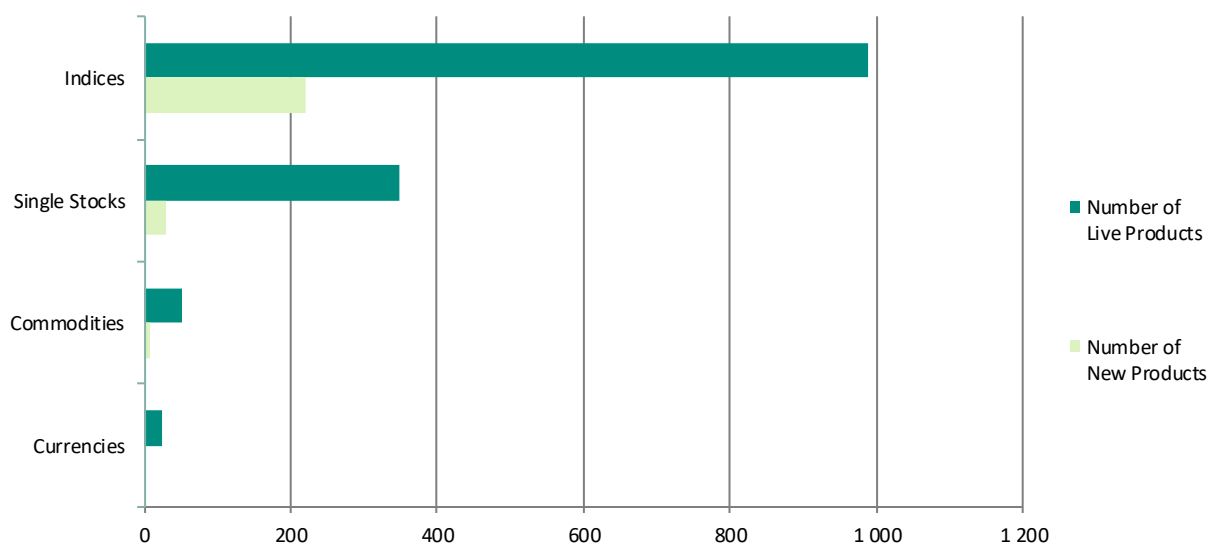
### Product Overview

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	988	-1.3%	-7.2%	69.9%	219	-18.9%	-18.4%	85.9%
Single Stocks	349	-7.6%	-20%	24.7%	29	-69%	-60%	11.4%
Commodities	52	-7.9%	-5.5%	3.7%	7	-30%	-38%	2.7%
Currencies	24	-7.2%	-4.6%	1.7%	0	-100%	-100%	0.0%
<b>Total</b>	<b>1,413</b>	<b>-3.3%</b>	<b>-10.8%</b>	<b>100%</b>	<b>255</b>	<b>-34.9%</b>	<b>-29.1%</b>	<b>100%</b>

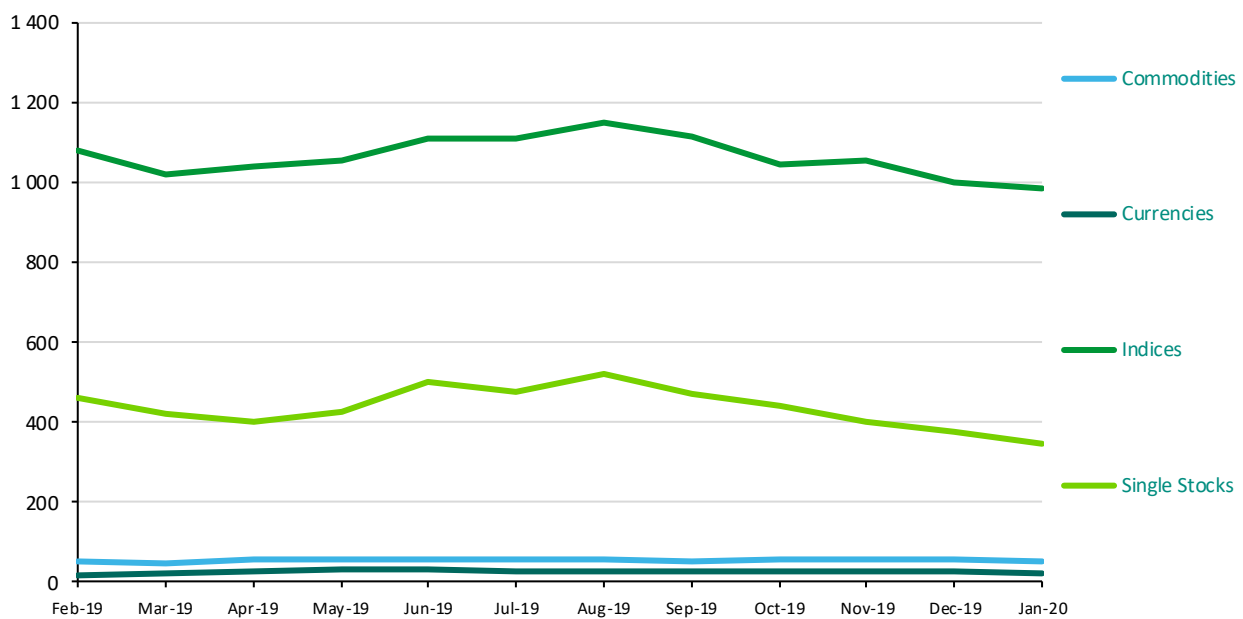
(Source Euronext)



# UNDERLYING TYPES

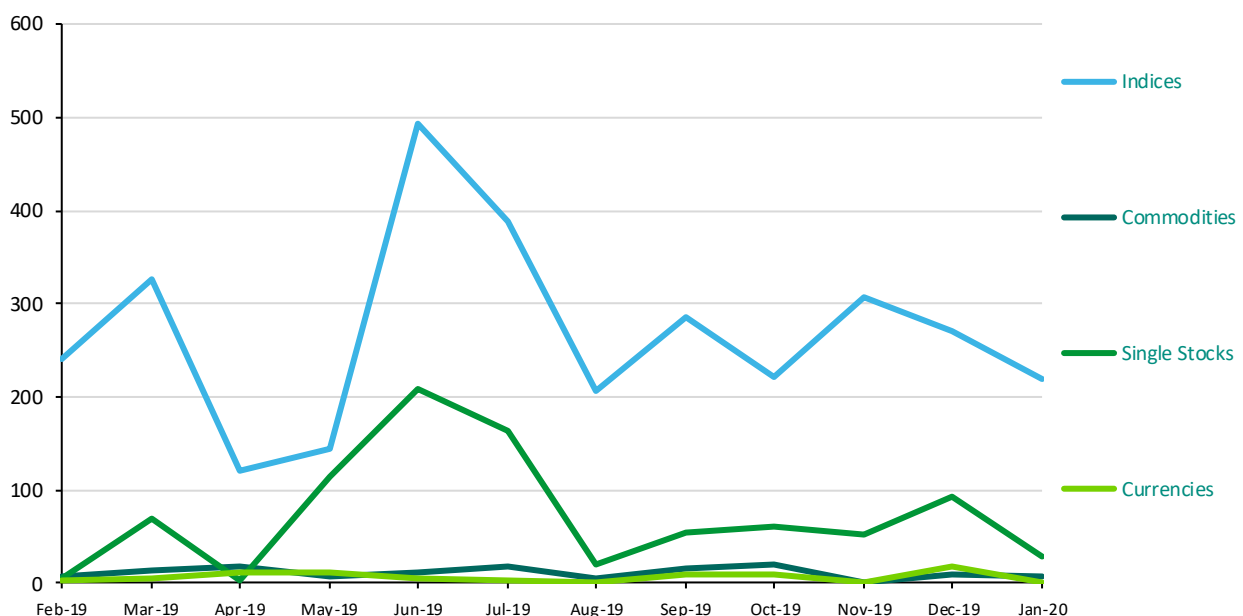
## Product Trend: Number of Live Products

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

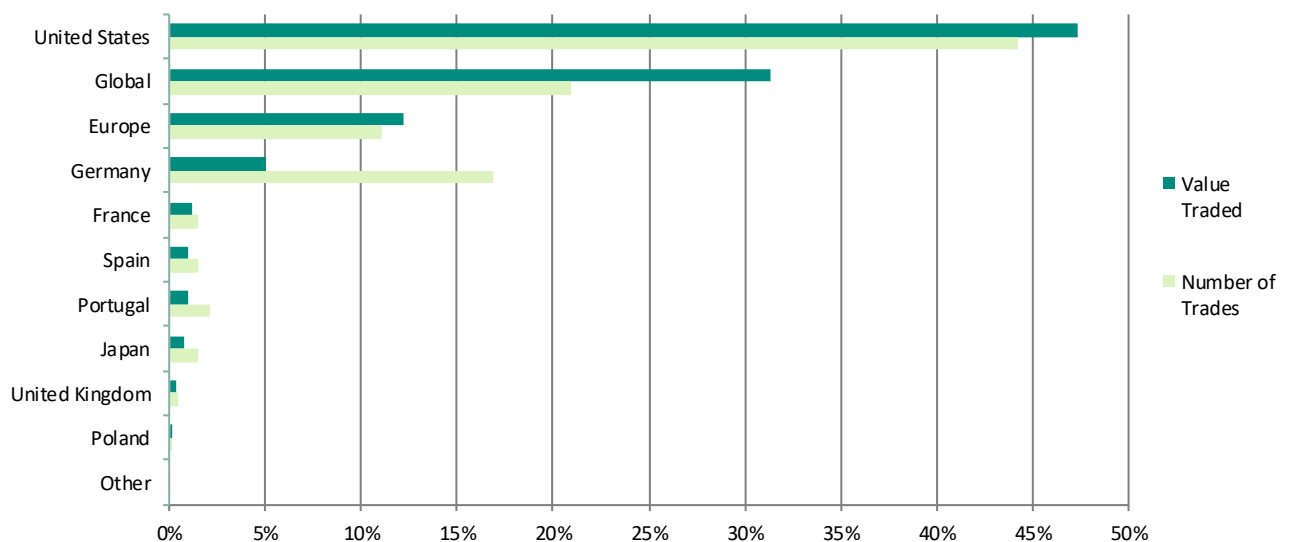
## Market Overview

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	3,520	81%	72%	47.4%	274	102.6%	65.1%	44.3%
Global	2,327	36%	17.8%	31.3%	130	42%	30%	20.9%
Europe	904	-5.9%	-12.7%	12.2%	69	3.1%	-7.5%	11.1%
Germany	375	-5.8%	-3.7%	5.0%	104	66%	21%	16.8%
France	87	-41%	-15.6%	1.2%	8.8	-1.4%	-22%	1.4%
Spain	73	-53%	43%	1.0%	9.2	-12.1%	30%	1.5%
Portugal	66	-14.6%	-13.9%	0.9%	13	-2.4%	-9.2%	2.0%
Japan	52	-46%	-41%	0.7%	8.9	-4.2%	-18.9%	1.4%
United Kingdom	22	-10.7%	56%	0.3%	2.5	-9.1%	9.2%	0.4%
Poland	3	110%	219%	0.0%	0.6	136%	277%	0.1%
Other	0		-100%	0.0%	0.0	-100%	-100%	0.0%
<b>Total</b>	<b>7,429</b>	<b>34.5%</b>	<b>28.4%</b>	<b>100%</b>	<b>620</b>	<b>54.7%</b>	<b>31.3%</b>	<b>100%</b>

(Source Euronext)

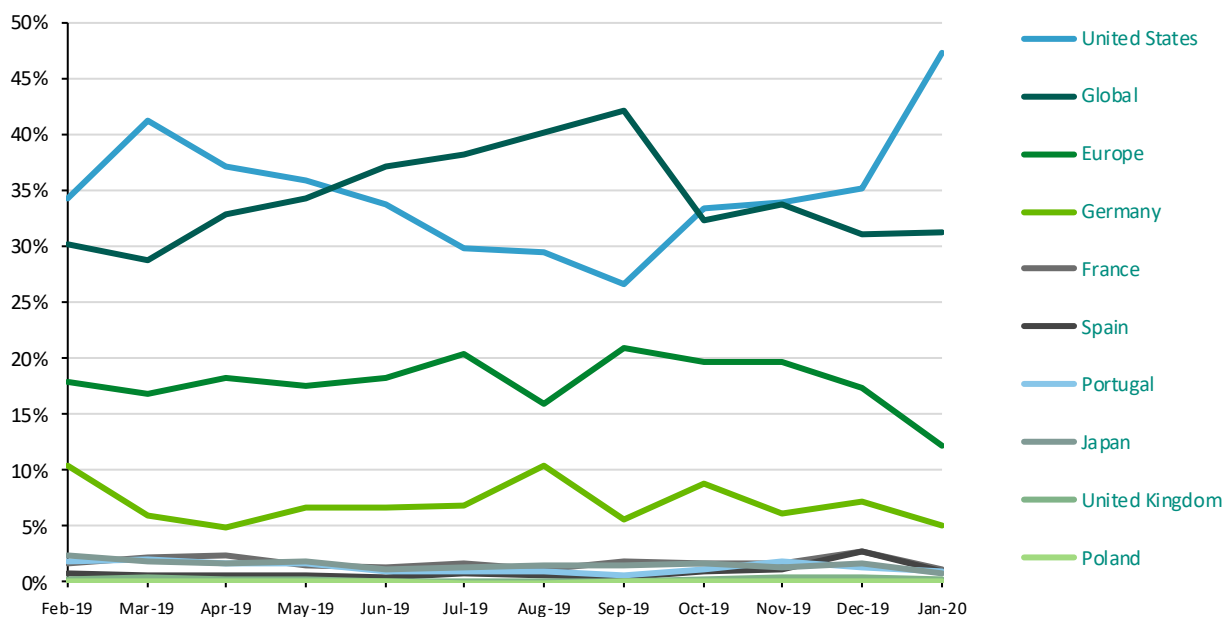




# TOP 10 UNDERLYING COUNTRIES

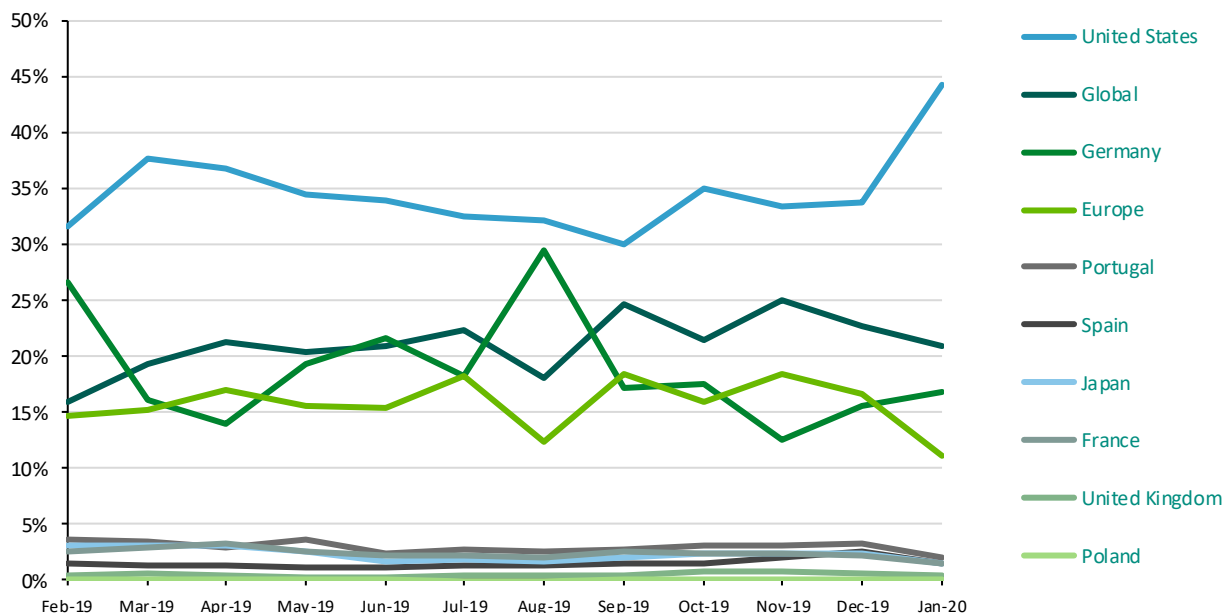
## Market Trend: Value traded

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

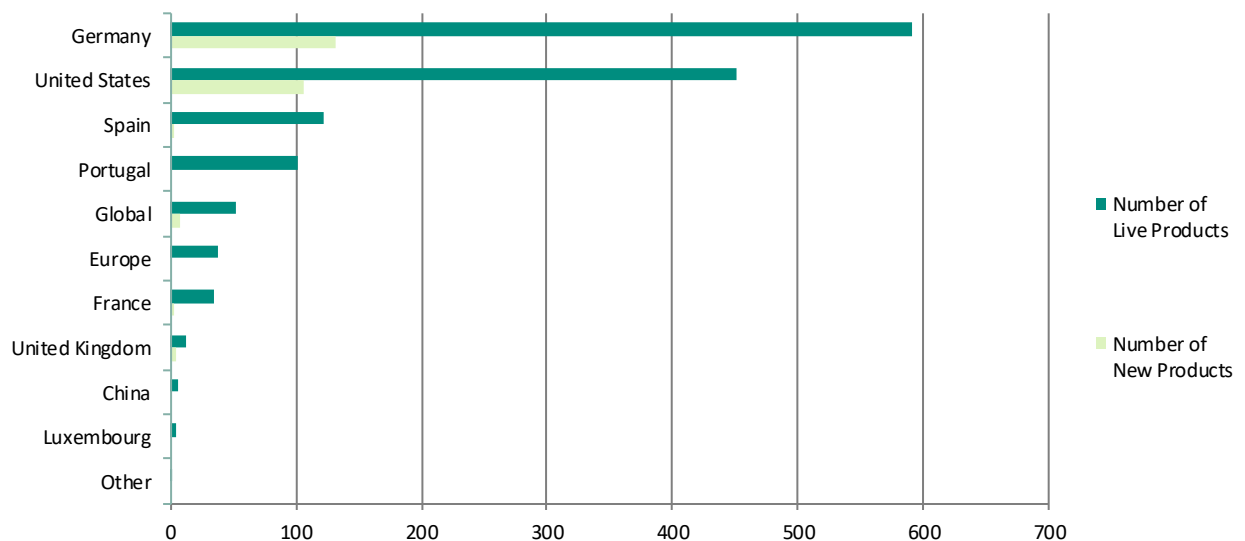
## Product Overview

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	591	8.3%	-1.7%	41.8%	132	15.8%	-3.2%	51.8%
United States	451	-13.4%	-19.2%	31.9%	106	-47%	-33%	41.6%
Spain	122	6.9%	-0.5%	8.6%	3	-94%	-86%	1.2%
Portugal	102	-13.7%	-26%	7.2%	0	-100%	-100%	0.0%
Global	52	-7.7%	-6.0%	3.7%	7	-30%	-37%	2.7%
Europe	37	-4.5%	-18.7%	2.6%	0	-100%	-100%	0.0%
France	34	-16.5%	-16.1%	2.4%	3	-73%	-69%	1.2%
United Kingdom	13	-10.1%	21%	0.9%	4	-33%	20.0%	1.6%
China	6	-25%	79%	0.4%	0		-100%	0.0%
Luxembourg	4	0.0%	115%	0.3%	0		-100%	0.0%
Other	2	2.9%	-69%	0.1%	0			0.0%
<b>Total</b>	<b>1,413</b>	<b>-3.3%</b>	<b>-10.8%</b>	<b>100%</b>	<b>255</b>	<b>-34.9%</b>	<b>-29.1%</b>	<b>100%</b>

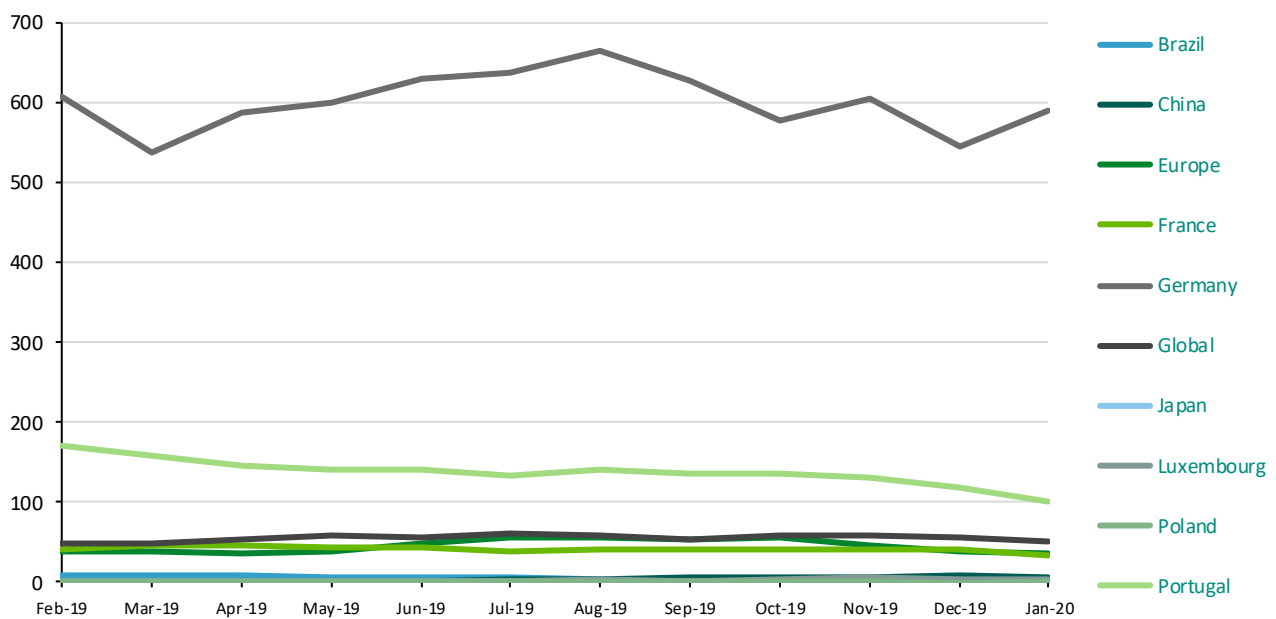
(Source Euronext)



# TOP 10 UNDERLYING COUNTRIES

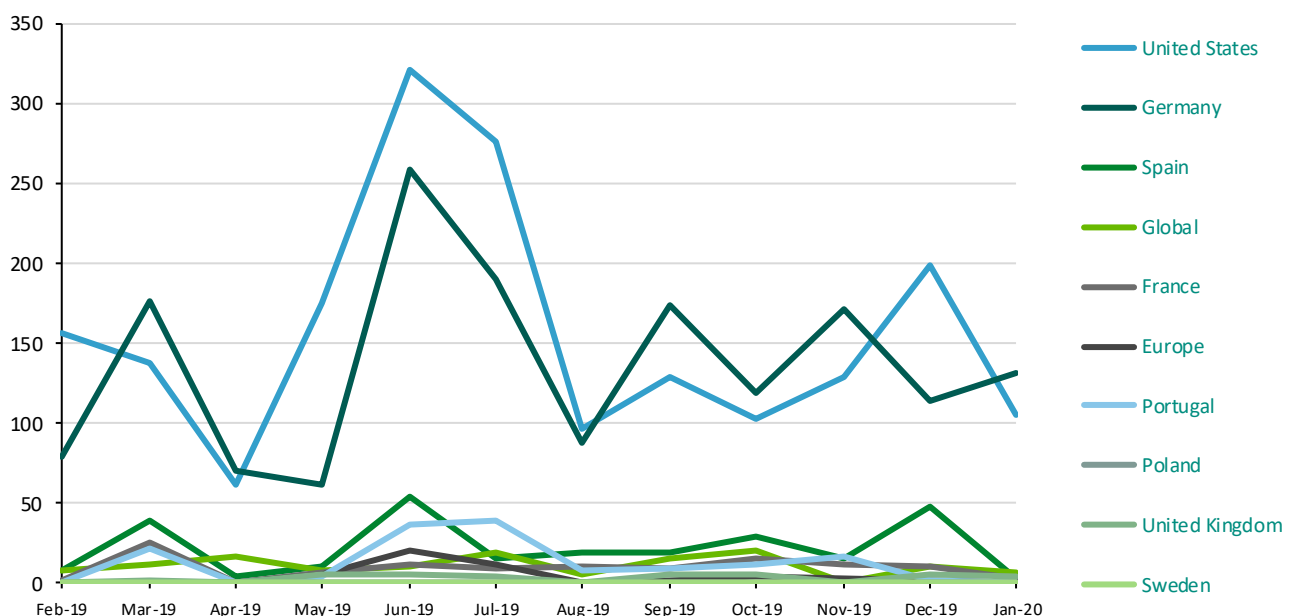
## Product Trend: Number of Live Products

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

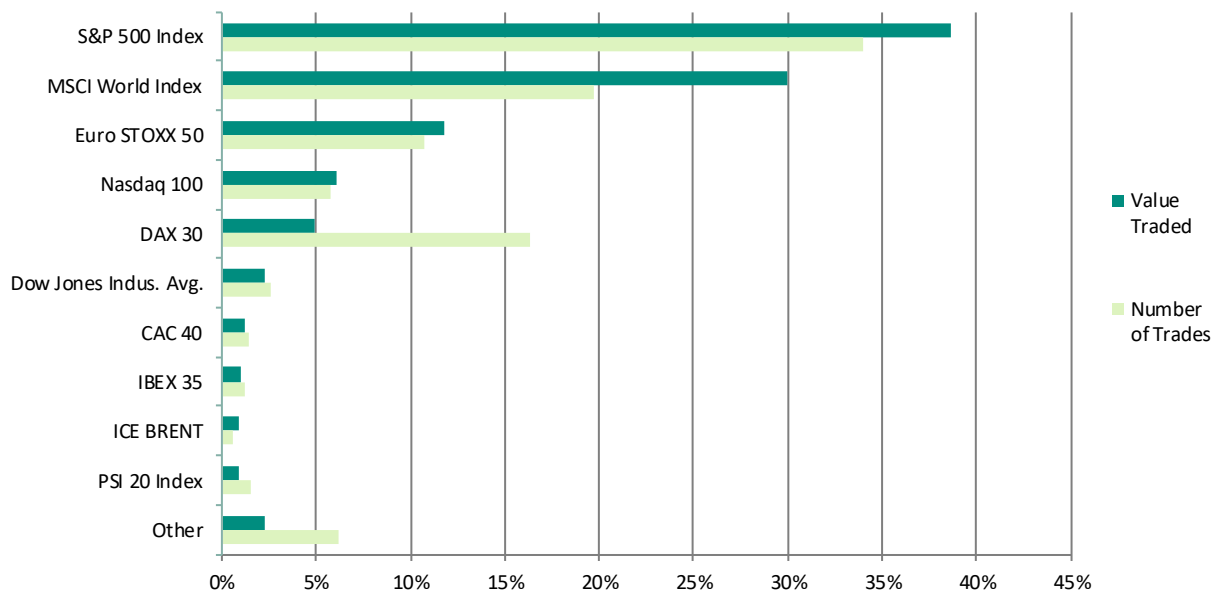
## Market Overview

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
S&P 500 Index	2,875	87%	73%	38.7%	211	120.8%	85.4%	34.0%
MSCI World Index	2,230	36%	19.3%	30.0%	122	40%	37%	19.8%
Euro STOXX 50	875	-7.7%	-14.4%	11.8%	67	2.7%	-8.2%	10.8%
Nasdaq 100	453	105%	119%	6.1%	36	88%	40%	5.8%
DAX 30	368	-7.0%	-4.0%	5.0%	101	65%	23%	16.3%
Dow Jones Indus. Avg.	166	4.1%	4.2%	2.2%	16	56%	-3.6%	2.5%
CAC 40	87	-41%	-15.5%	1.2%	8.7	-1.9%	-20%	1.4%
IBEX 35	72	-53%	42%	1.0%	7.5	-24%	21%	1.2%
ICE BRENT	69	11.5%	220%	0.9%	3.7	64%	135%	0.6%
PSI 20 Index	62	-15.2%	-6.6%	0.8%	9.4	-13.3%	-8.2%	1.5%
Other	172	-9.6%	-29%	2.3%	38	24%	-12.1%	6.1%
<b>Total</b>	<b>7,429</b>	<b>34.5%</b>	<b>28.4%</b>	<b>100%</b>	<b>620</b>	<b>54.7%</b>	<b>31.3%</b>	<b>100%</b>

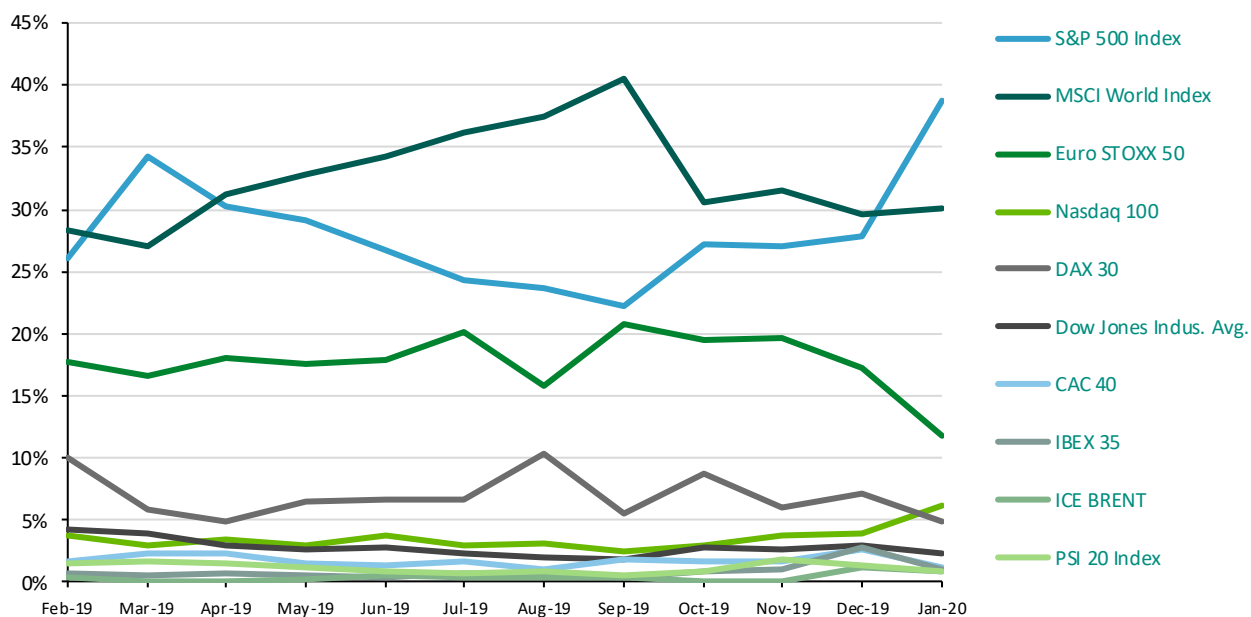
(Source Euronext)



# TOP 10 UNDERLYINGS

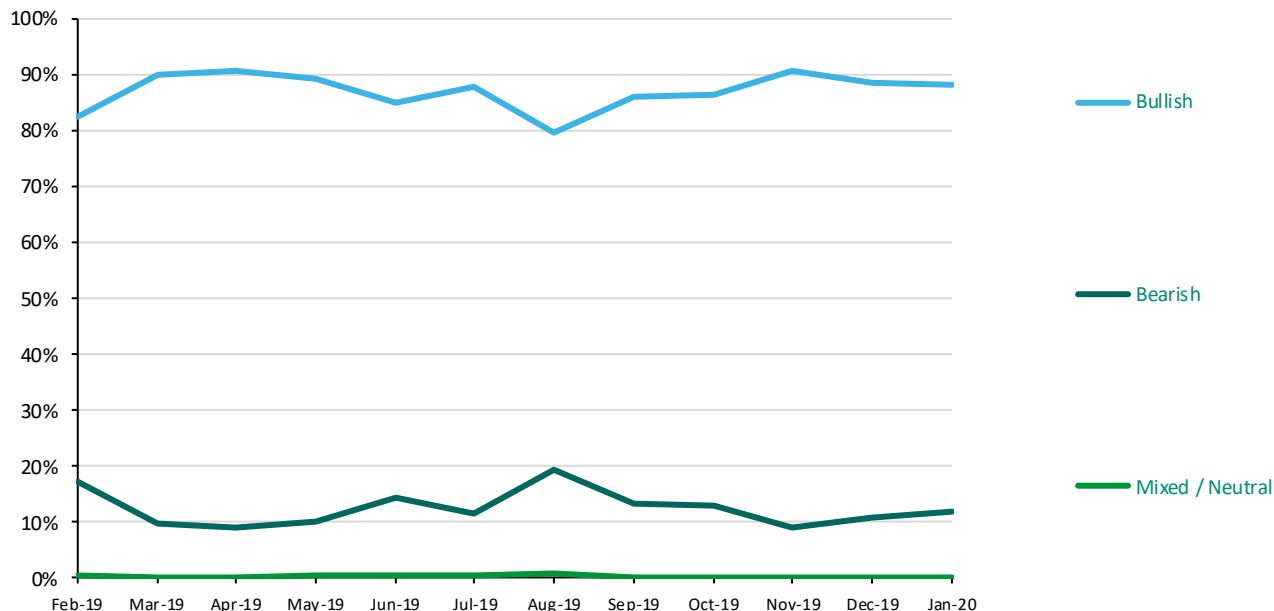
## Market Trend: Value traded

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

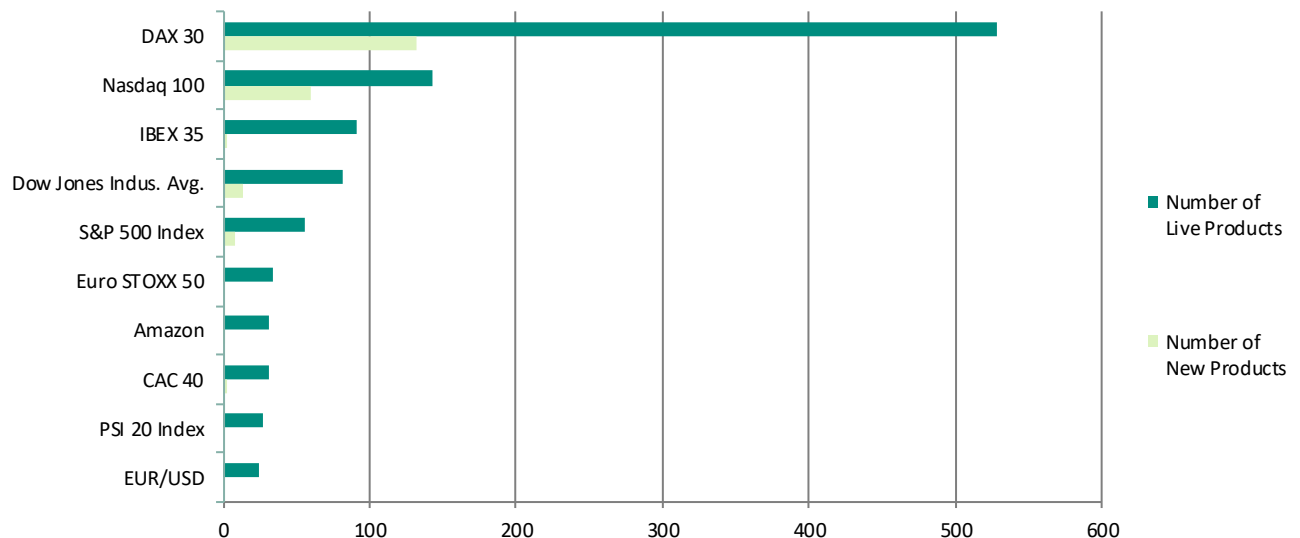
## Product Overview

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	528	6.7%	-1.5%	37.4%	132	38%	2.0%	51.8%
Nasdaq 100	143	-16.2%	-21%	10.1%	60	9.1%	-8.4%	23.5%
IBEX 35	91	9.1%	6.7%	6.4%	3	-93%	-84%	1.2%
Dow Jones Indus. Avg.	82	1.8%	1.7%	5.8%	13	-65%	-41%	5.1%
S&P 500 Index	55	-27%	-35%	3.9%	8	-68%	-56%	3.1%
Euro STOXX 50	34	-5.3%	-20%	2.4%	0	-100%	-100%	0.0%
Amazon	31	-11.8%	-18.6%	2.2%	1	-94%	-90%	0.4%
CAC 40	30	-16.5%	4.4%	2.1%	3	-73%	-68%	1.2%
PSI 20 Index	27	-16.3%	-23%	1.9%	0		-100%	0.0%
EUR/USD	24	-7.2%	-4.6%	1.7%	0	-100%	-100%	0.0%
Other	368	-6.0%	-17.5%	26.0%	35			13.7%
<b>Total</b>	<b>1,413</b>	<b>-3.3%</b>	<b>-10.8%</b>	<b>100%</b>	<b>255</b>	<b>-34.9%</b>	<b>-29.1%</b>	<b>100%</b>

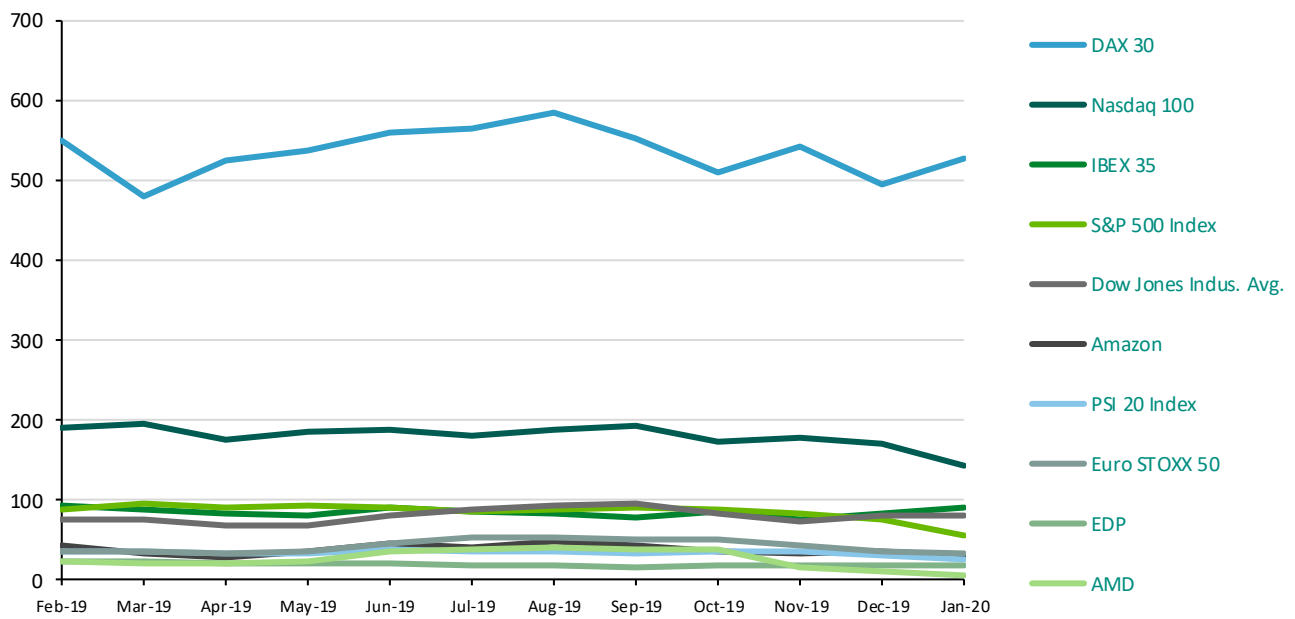
(Source Euronext)



# TOP 10 UNDERLYINGS

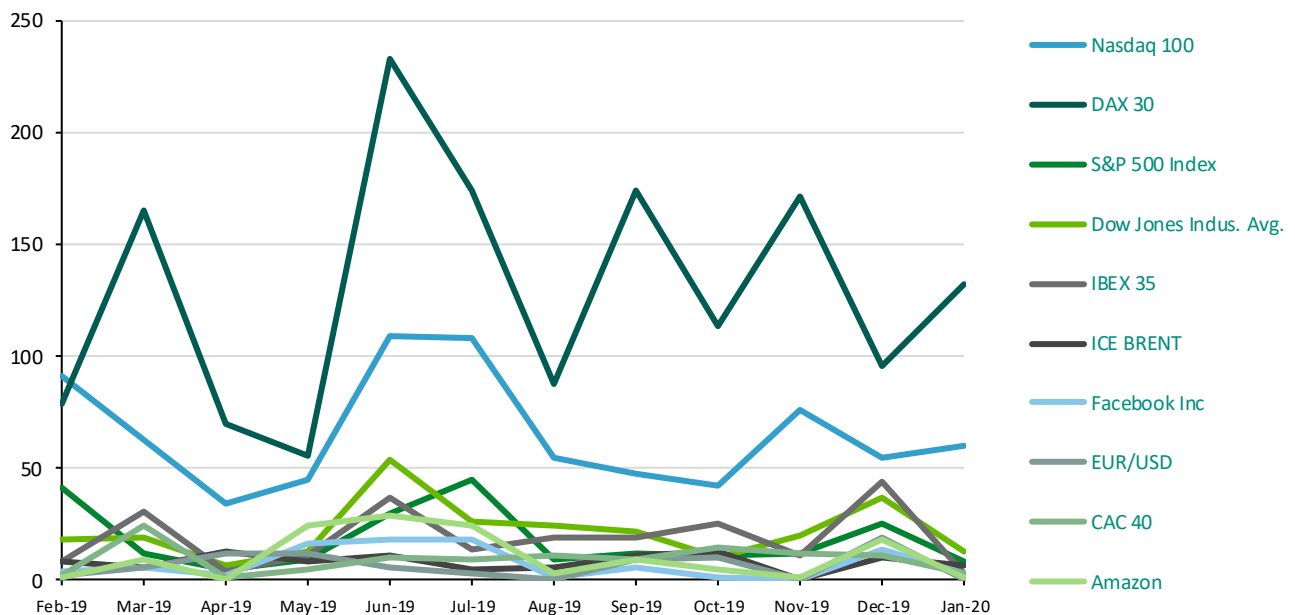
## Product Trend: Number of Live Products

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	49,058	2,692
PTBITHYM0080	BCP	1300	Tracker Certificates	S&P 500 Index	35,158	2,210
PTBITAYE0046	BCP	1300	Tracker Certificates	S&P 500 Index	27,848	2,287
PTBIVRYE0068	BCP	1300	Tracker Certificates	Euro STOXX 50	19,255	1,465
PTBIWBYE0057	BCP	1300	Tracker Certificates	Nasdaq 100	7,755	331
PTBITEYE0034	BCP	1300	Tracker Certificates	DAX 30	4,006	309
PTBIYZYE0040	BCP	1300	Tracker Certificates	Dow Jones Indus. Avg.	3,613	328
PTBIWKYE0023	BCP	1300	Tracker Certificates	CAC 40	1,867	175
PTBIXRYE0025	BCP	1300	Tracker Certificates	IBEX 35	1,545	130
PTBIY1YE0064	BCP	1300	Tracker Certificates	PSI 20 Index	1,372	203
PTBITCYM0077	BCP	1300	Tracker Certificates	ICE BRENT	1,316	48
PTBCS1YE0010	BCP	1300	Tracker Certificates	Nikkei 225 Index	1,137	195
DE000CL1EPX2	Commerzbank	2100	Warrants	Nasdaq 100	672	12
PTBCLOYE0028	BCP	1300	Tracker Certificates	Euro STOXX Bank	566	35
PTBIXQYE0026	BCP	1300	Tracker Certificates	FTSE 100	487	48
PTBIWWYE0052	BCP	1300	Tracker Certificates	Gold	430	45
DE000CL1ER69	Commerzbank	2200	Knock-Out Warrants	DAX 30	428	104
DE000CL1ETB0	Commerzbank	2200	Knock-Out Warrants	DAX 30	377	66
DE000KA39DC2	Citi	2200	Knock-Out Warrants	Nasdaq 100	245	43
DE000CU1RFT2	Commerzbank	2200	Knock-Out Warrants	DAX 30	245	106
DE000CU1RJ32	Commerzbank	2200	Knock-Out Warrants	DAX 30	230	104
DE000CJ36WS2	Commerzbank	2300	Constant Leverage Certificate	ICE BRENT	187	3
DE000CU1RFS4	Commerzbank	2200	Knock-Out Warrants	DAX 30	162	57
DE000KA39EJ5	Citi	2200	Knock-Out Warrants	Amazon	160	29
DE000KA39LE1	Citi	2200	Knock-Out Warrants	Nasdaq 100	148	16
DE000KA39CQ4	Citi	2200	Knock-Out Warrants	DAX 30	143	32
DE000KA39GY9	Citi	2200	Knock-Out Warrants	Nasdaq 100	138	13
DE000CU1P629	Commerzbank	2100	Warrants	DAX 30	134	7
DE000KA39K41	Citi	2200	Knock-Out Warrants	DAX 30	129	37
DE000CL1EQ60	Commerzbank	2200	Knock-Out Warrants	Nasdaq 100	127	18
DE000KA39G62	Citi	2200	Knock-Out Warrants	Amazon	125	29
DE000KA39D16	Citi	2200	Knock-Out Warrants	S&P 500 Index	112	44
DE000KA39GC5	Citi	2200	Knock-Out Warrants	Nasdaq 100	109	38
DE000CL1ERV2	Commerzbank	2200	Knock-Out Warrants	DAX 30	108	15
DE000KA39G05	Citi	2200	Knock-Out Warrants	Nasdaq 100	106	17
DE000CU1RFX4	Commerzbank	2200	Knock-Out Warrants	DAX 30	99	28
DE000CU1RFN5	Commerzbank	2200	Knock-Out Warrants	DAX 30	97	64
PTBIU3YE0078	BCP	1300	Tracker Certificates	STOXX 600 Utilities	93	16
DE000CU1RFR6	Commerzbank	2200	Knock-Out Warrants	DAX 30	86	87
DE000KA39CU6	Citi	2200	Knock-Out Warrants	DAX 30	79	49
DE000KA39K82	Citi	2200	Knock-Out Warrants	DAX 30	78	18
DE000KA39G39	Citi	2200	Knock-Out Warrants	Nasdaq 100	75	35
DE000CU1RKC8	Commerzbank	2200	Knock-Out Warrants	DAX 30	75	8
DE000KA39G21	Citi	2200	Knock-Out Warrants	Nasdaq 100	72	29
DE000CU1QGX4	Commerzbank	2100	Warrants	DAX 30	71	47
DE000CU1QGW6	Commerzbank	2100	Warrants	DAX 30	70	23
DE000CL1ER36	Commerzbank	2200	Knock-Out Warrants	DAX 30	70	15
DE000KA39JZ0	Citi	2100	Warrants	DAX 30	66	4
DE000KA39LX1	Citi	2200	Knock-Out Warrants	DAX 30	65	33
PTBIT4YE0079	BCP	1300	Tracker Certificates	WIG20 Index	64	13

(Source Euronext)





Euronext Paris

# ISSUERS

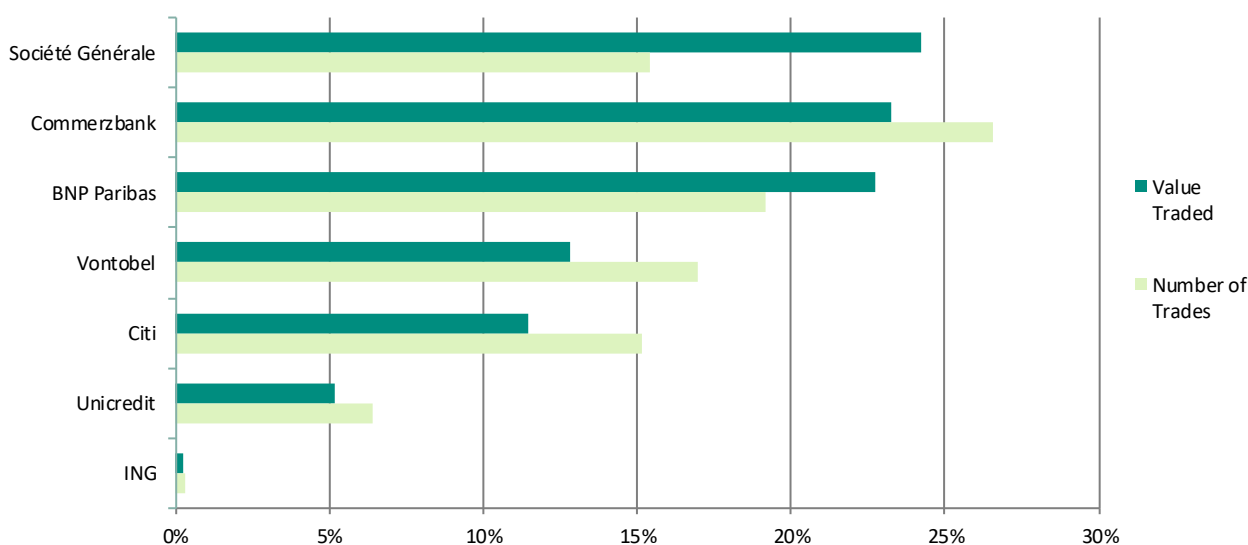
## Market Overview

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
Société Générale	3,955	34%	47%	24.2%	929	25.6%	6.7%	15.4%
Commerzbank	3,795	28%	12.2%	23.3%	1,598	21.4%	13.9%	26.5%
BNP Paribas	3,715	16.5%	3.2%	22.8%	1,154	27.9%	11.3%	19.2%
Vontobel	2,095	75%	92%	12.8%	1,023	47.5%	92.2%	17.0%
Citi	1,873	71%	32%	11.5%	913	70.5%	32.7%	15.2%
Unicredit	844	82%	96%	5.2%	386	30.3%	39.3%	6.4%
ING	44	-10.6%	-15.5%	0.3%	17	-24.5%	-15.7%	0.3%
<b>Total</b>	<b>16,321</b>	<b>36.8%</b>	<b>28.8%</b>	<b>100%</b>	<b>6,019</b>	<b>33.6%</b>	<b>24.7%</b>	<b>100%</b>

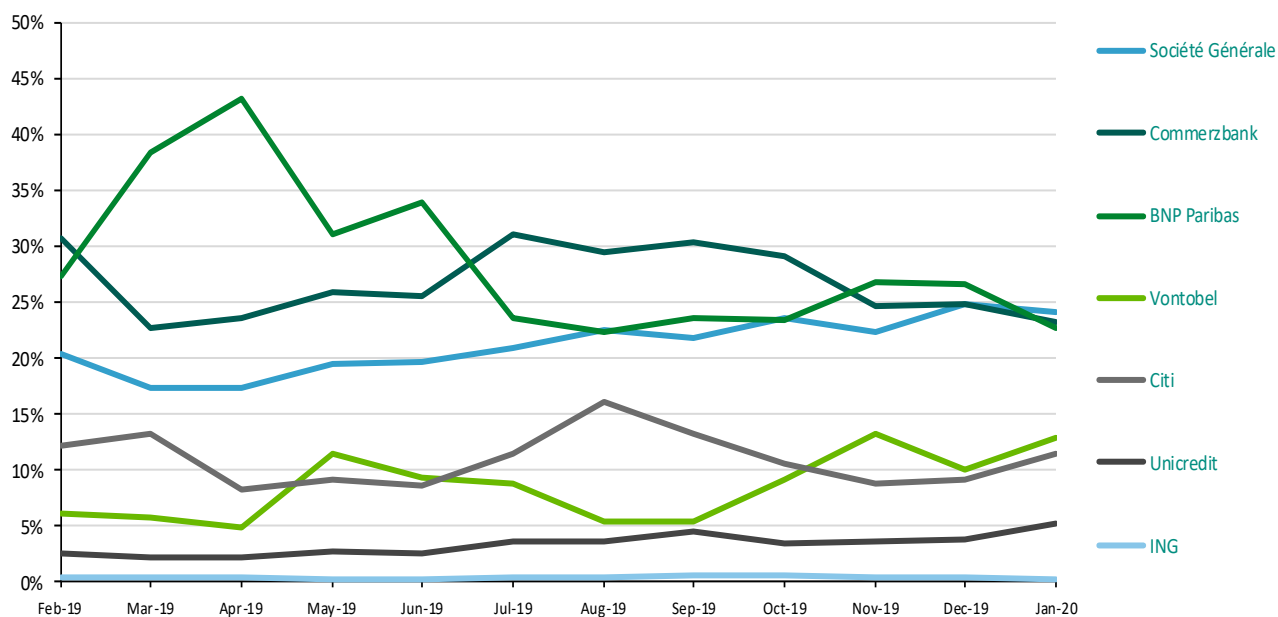
(Source Euronext)



# ISSUERS

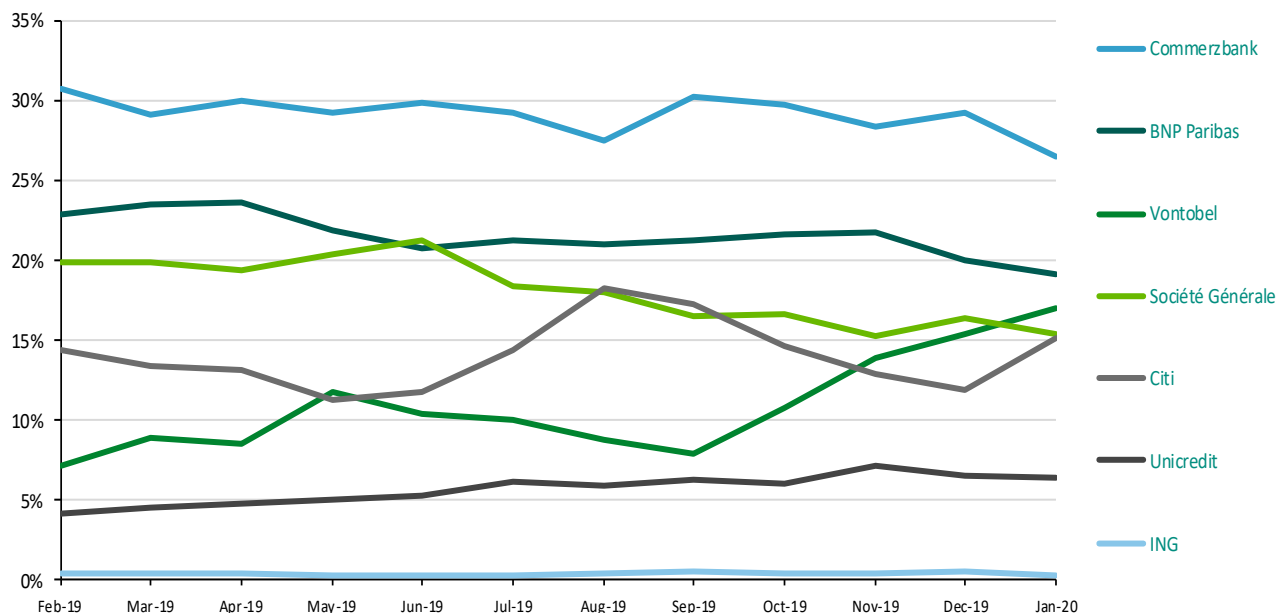
## Market Trend: Value traded

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

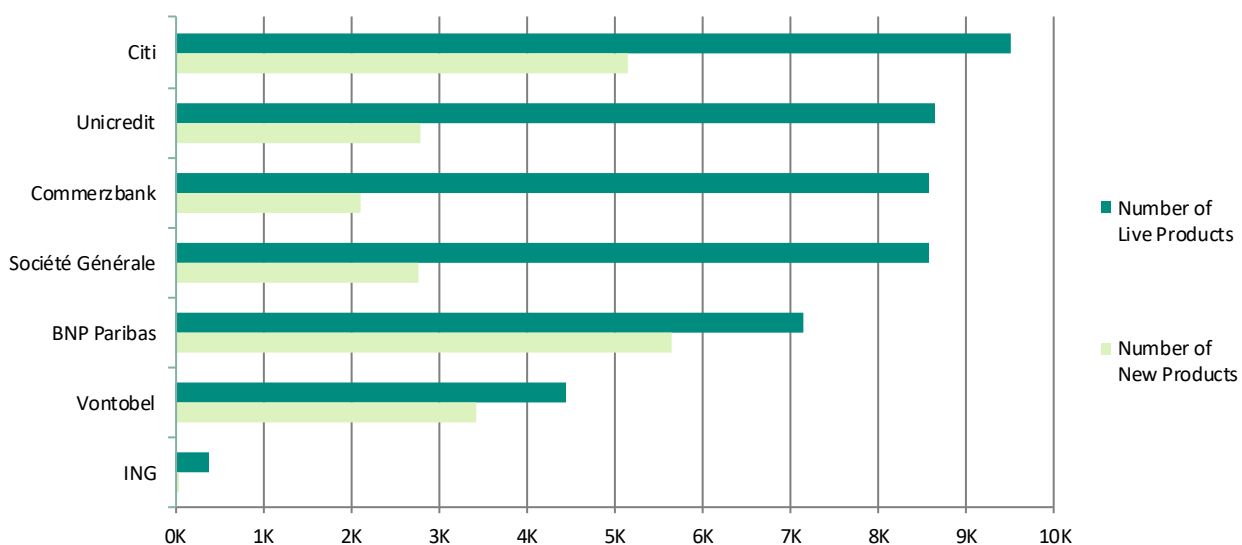
## Product Overview

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	9,518	-2.2%	-2.5%	20.1%	5,160	264%	71%	23.5%
Unicredit	8,657	2.1%	-1.5%	18.3%	2,792	106%	19.7%	12.7%
Commerzbank	8,587	-6.2%	-6.3%	18.1%	2,118	39%	8.6%	9.6%
Société Générale	8,586	-6.5%	-13.2%	18.1%	2,773	-6.4%	-16.7%	12.6%
BNP Paribas	7,149	-19.0%	-25%	15.1%	5,657	475%	134%	25.8%
Vontobel	4,455	8.0%	24%	9.4%	3,419	112%	58%	15.6%
ING	371	-7.4%	3.8%	0.8%	49	69%	11.4%	0.2%
<b>Total</b>	<b>47,323</b>	<b>-5.2%</b>	<b>-7.3%</b>	<b>100%</b>	<b>21,968</b>	<b>122.4%</b>	<b>44.0%</b>	<b>100%</b>

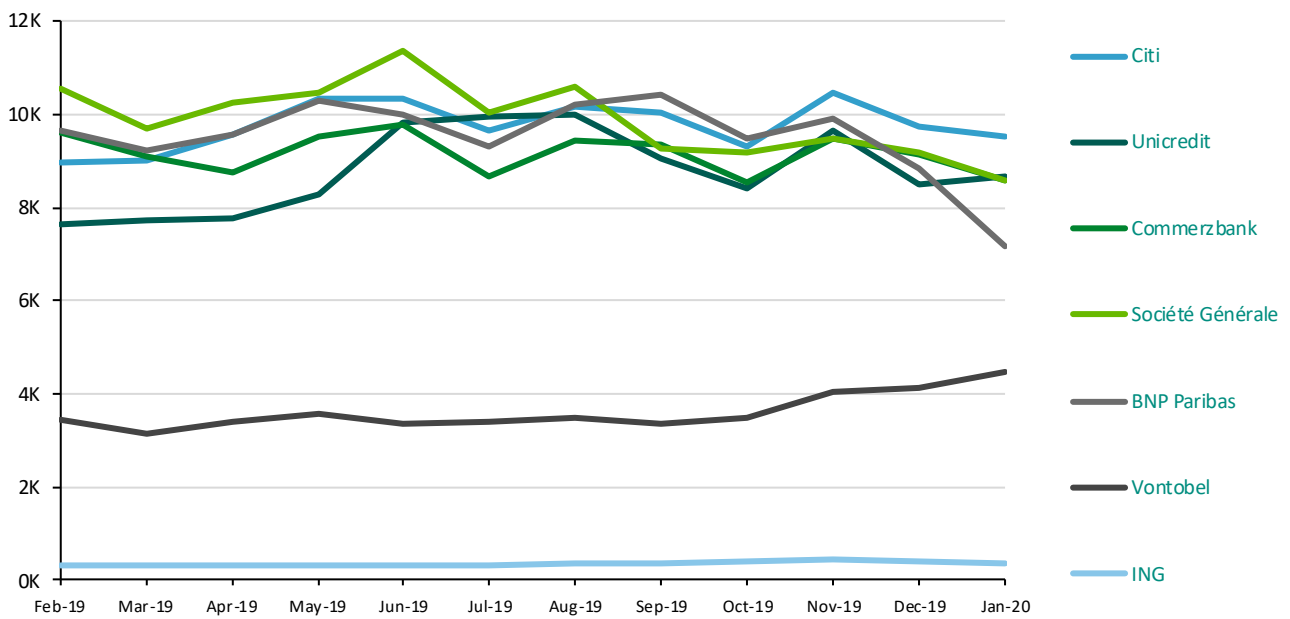
(Source Euronext)



# ISSUERS

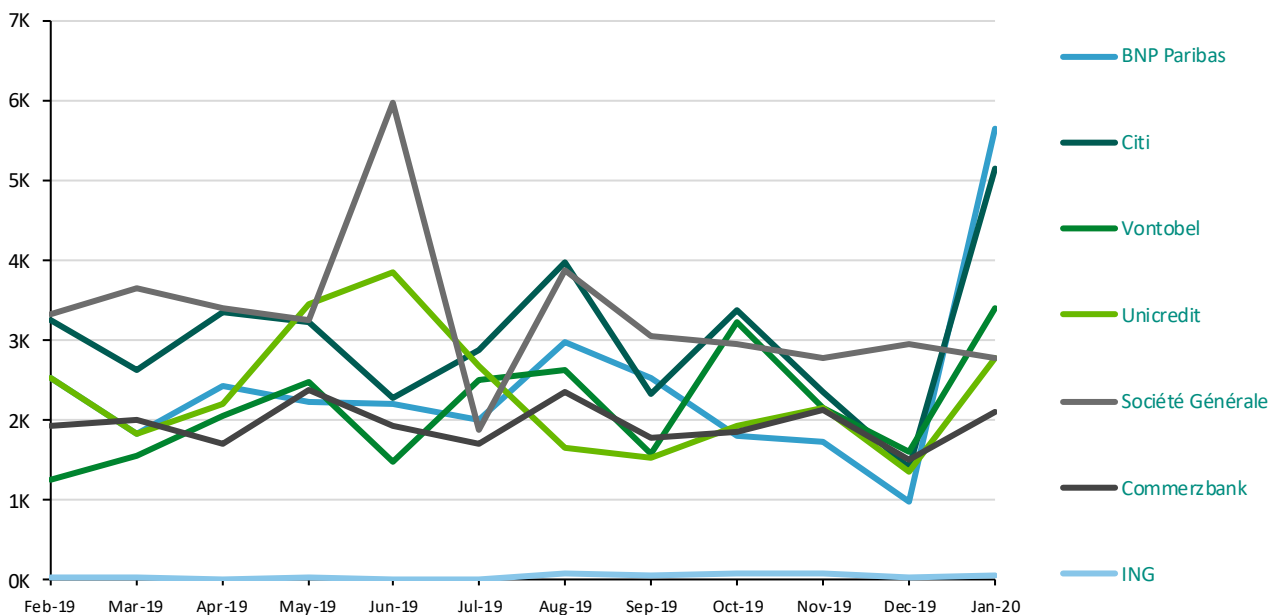
## Product Trend: Number of Live Products

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

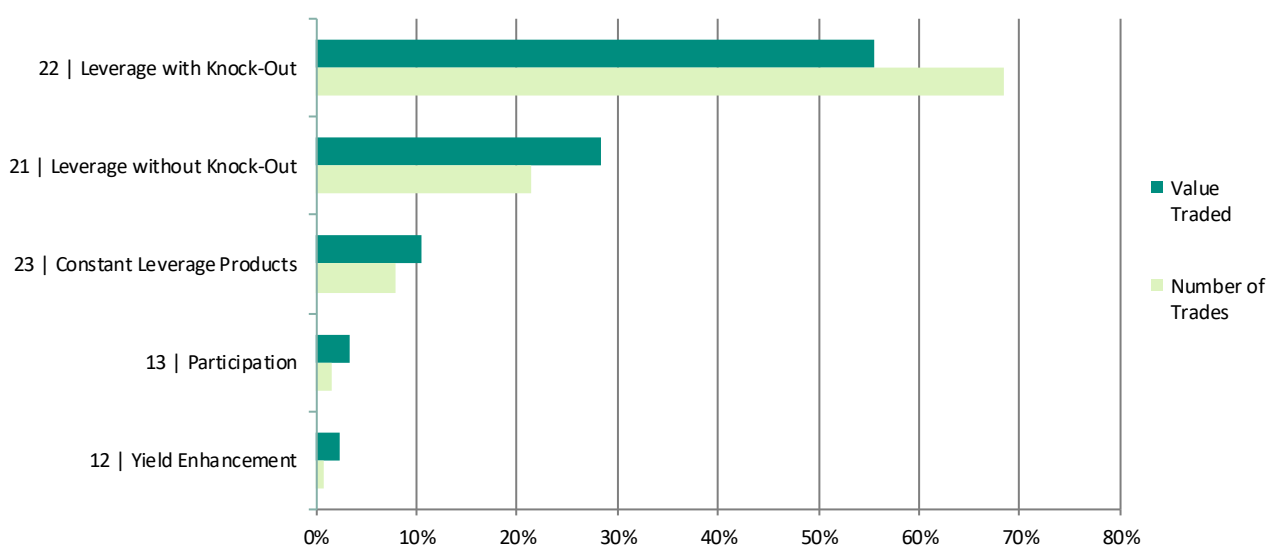
## Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product type (EUSIPA<sup>1</sup> 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	9,069	40%	32%	55.6%	4,118	35.2%	26.6%	68.4%
21   Leverage without Knock-Out	4,633	33%	26%	28.4%	1,292	26.8%	19.5%	21.5%
23   Constant Leverage Products	1,701	60%	25%	10.4%	472	44.4%	26.9%	7.8%
13   Participation	552	24%	28%	3.4%	87	28.2%	17.6%	1.4%
12   Yield Enhancement	366	-22%	8.6%	2.2%	51	9.4%	2.1%	0.8%
<b>Total</b>	<b>16,321</b>	<b>36.8%</b>	<b>28.8%</b>	<b>100%</b>	<b>6,019</b>	<b>33.6%</b>	<b>24.7%</b>	<b>100%</b>

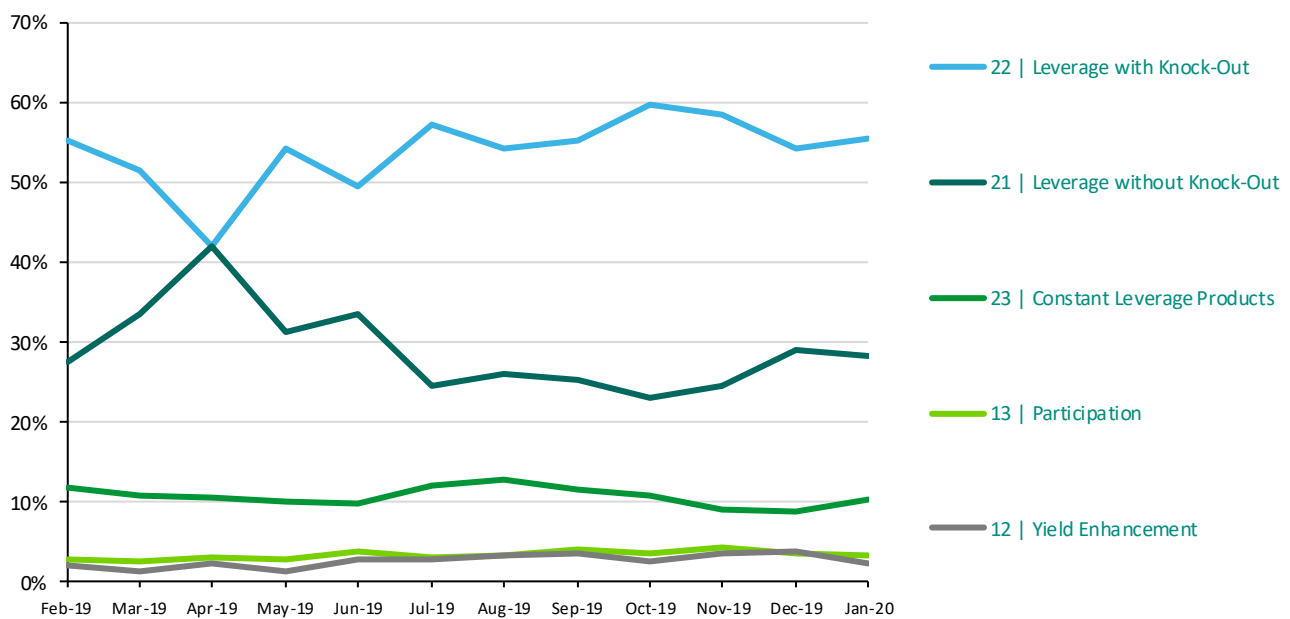
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

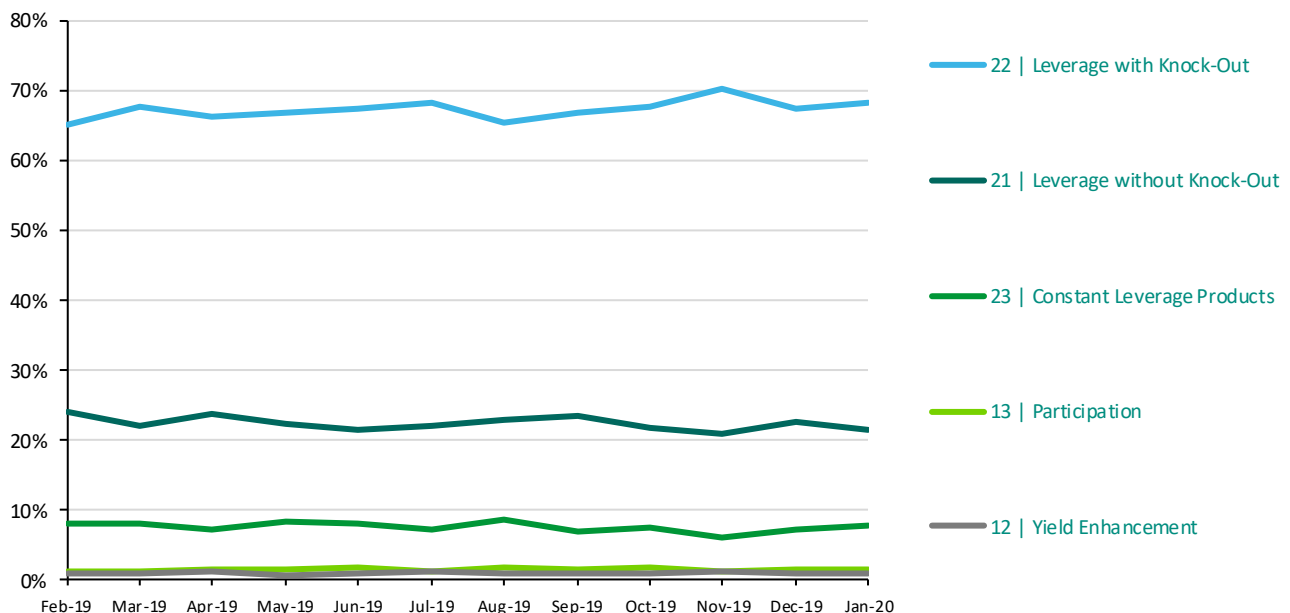
## Market Trend: Value traded

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

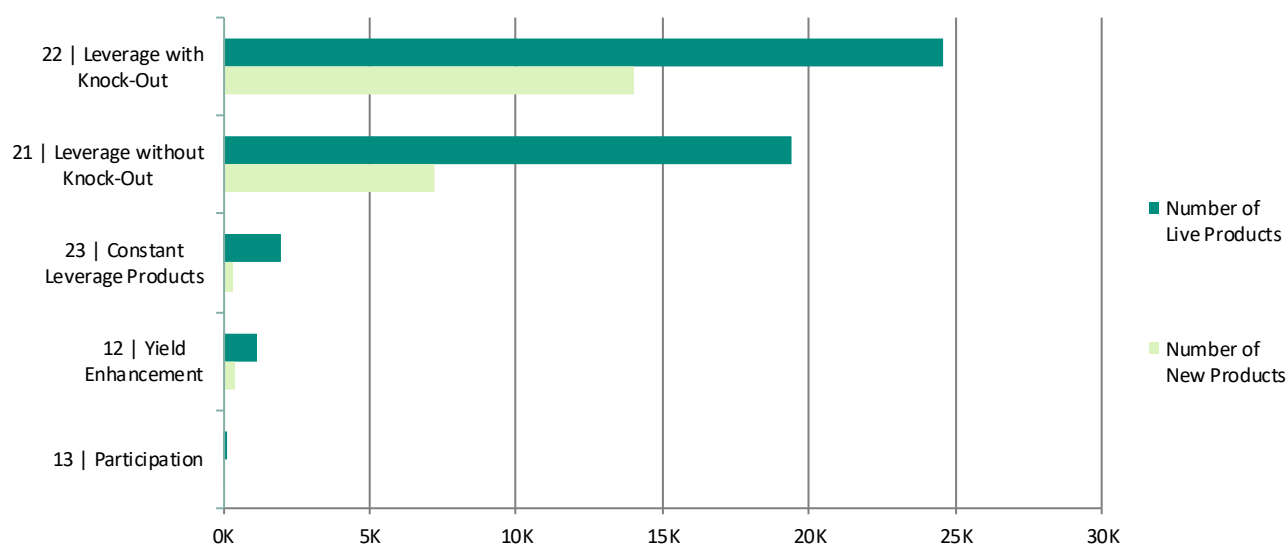
### Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product type (EUSIPA<sup>1</sup> 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	24,605	-4.4%	-1.6%	52.0%	14,027	79%	29%	63.9%
21   Leverage without Knock-Out	19,432	-5.2%	-14.8%	41.1%	7,205	277%	80%	32.8%
23   Constant Leverage Products	1,988	6.5%	68%	4.2%	348	452%	107%	1.6%
12   Yield Enhancement	1,174	-31%	-39%	2.5%	374	663%	78%	1.7%
13   Participation	123	3.3%	-3.4%	0.3%	14		300%	0.1%
<b>Total</b>	<b>47,323</b>	<b>-5.2%</b>	<b>-7.3%</b>	<b>100%</b>	<b>21,968</b>	<b>122.4%</b>	<b>44.0%</b>	<b>100%</b>

(Source Euronext)

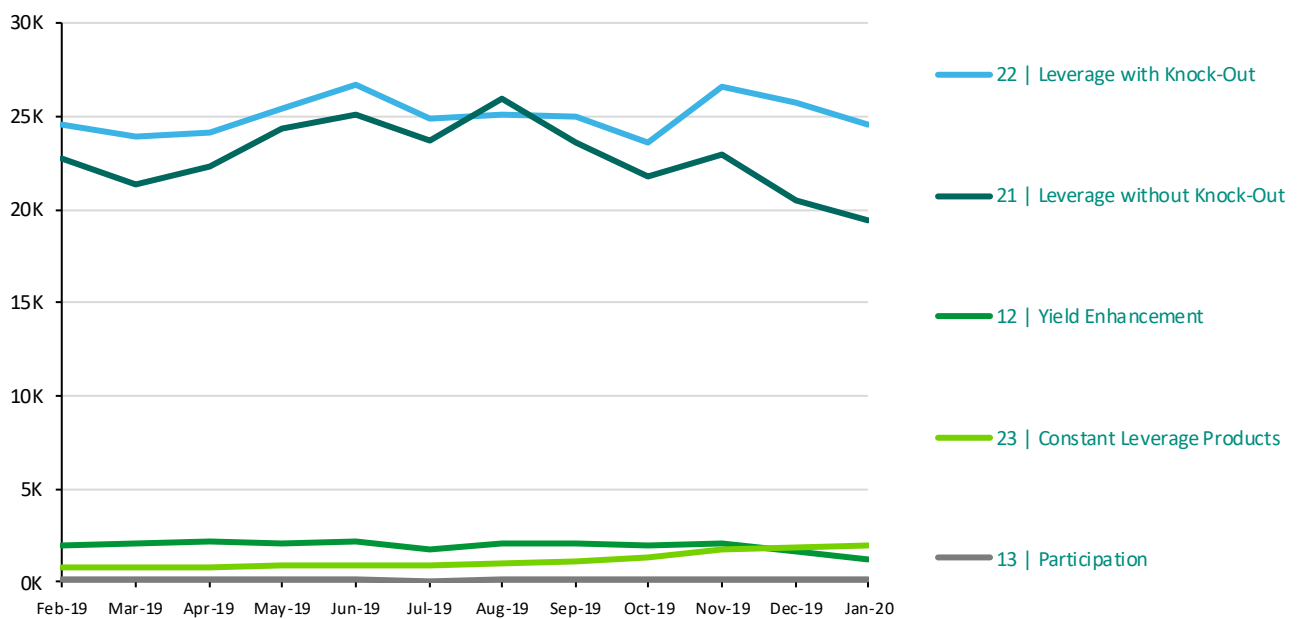




# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 2)

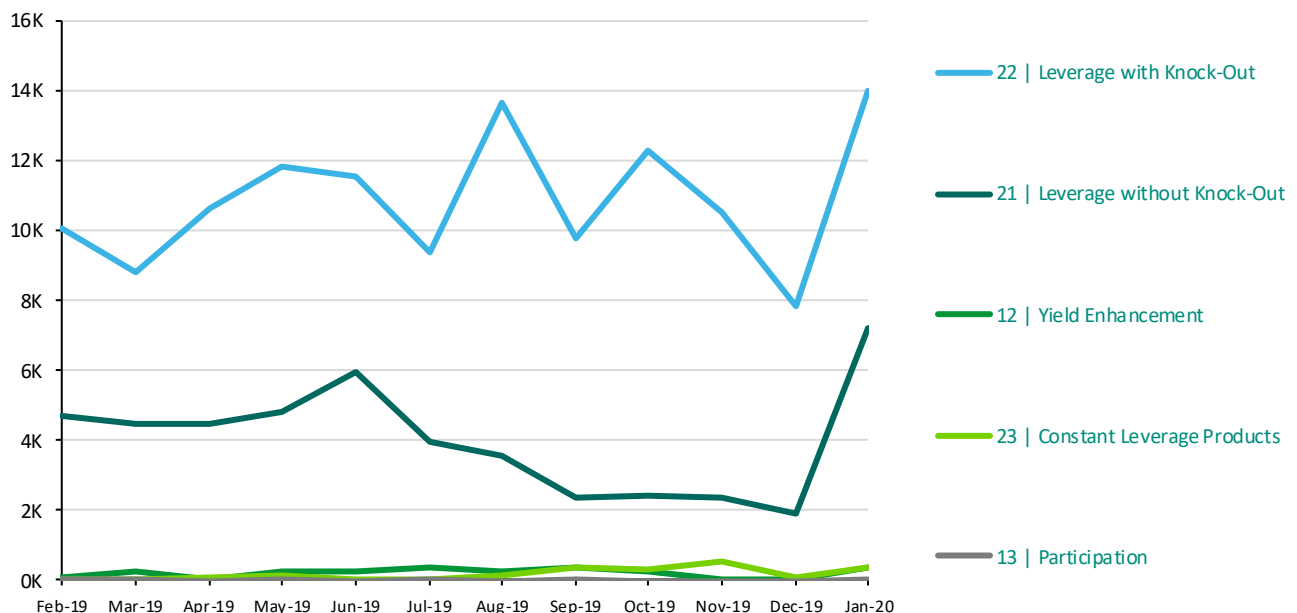
## Product Trend: Number of Live Products

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

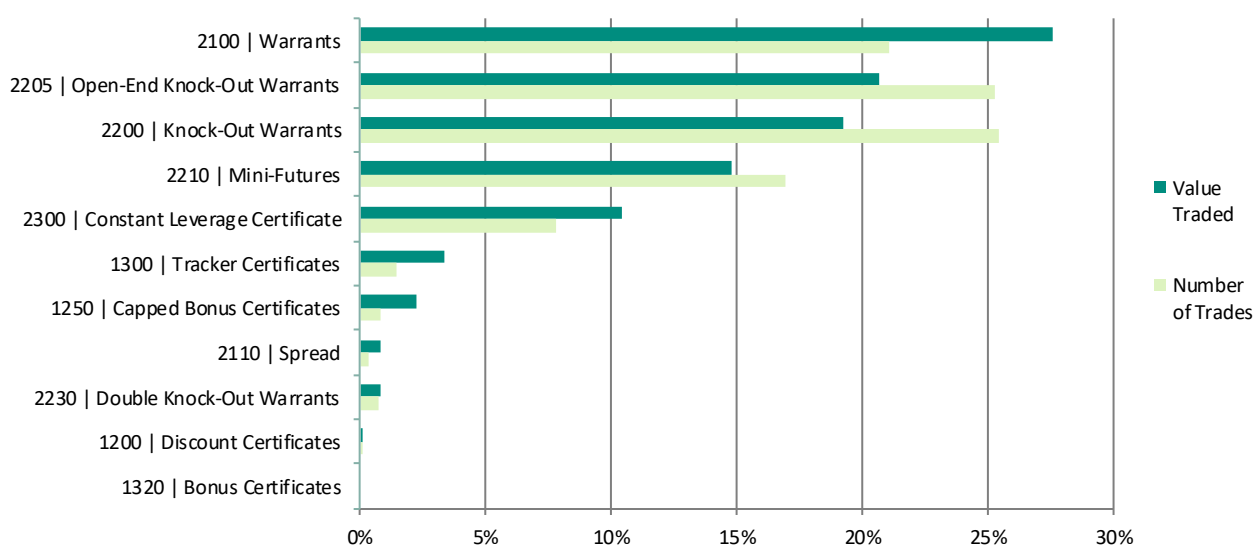
## Market Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product type (EUSIPA<sup>1</sup> 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	4,503	34%	24%	27.6%	1,272	27.9%	19.3%	21.1%
2205   Open-End Knock-Out Warrants	3,381	68%	52%	20.7%	1,524	44%	37%	25.3%
2200   Knock-Out Warrants	3,146	35%	24%	19.3%	1,532	45%	28%	25.4%
2210   Mini-Futures	2,412	20%	24%	14.8%	1,019	16.7%	14.0%	16.9%
2300   Constant Leverage Certificate	1,701	60%	25%	10.4%	472	44%	27%	7.8%
1300   Tracker Certificates	552	24%	28%	3.4%	87	28%	17.7%	1.4%
1250   Capped Bonus Certificates	365	-22%	8.5%	2.2%	50	9.0%	1.8%	0.8%
2110   Spread	130	15.1%	129%	0.8%	20	-18.0%	37%	0.3%
2230   Double Knock-Out Warrants	129	-13.5%	-13.7%	0.8%	43	-21%	-2.3%	0.7%
1200   Discount Certificates	1	140%	104%	0.0%	0.3	218%	98%	0.0%
1320   Bonus Certificates	0		-100%	0.0%	0.0		-100%	0.0%
<b>Total</b>	<b>16,321</b>	<b>36.8%</b>	<b>28.8%</b>	<b>100%</b>	<b>6,019</b>	<b>33.6%</b>	<b>24.7%</b>	<b>100%</b>

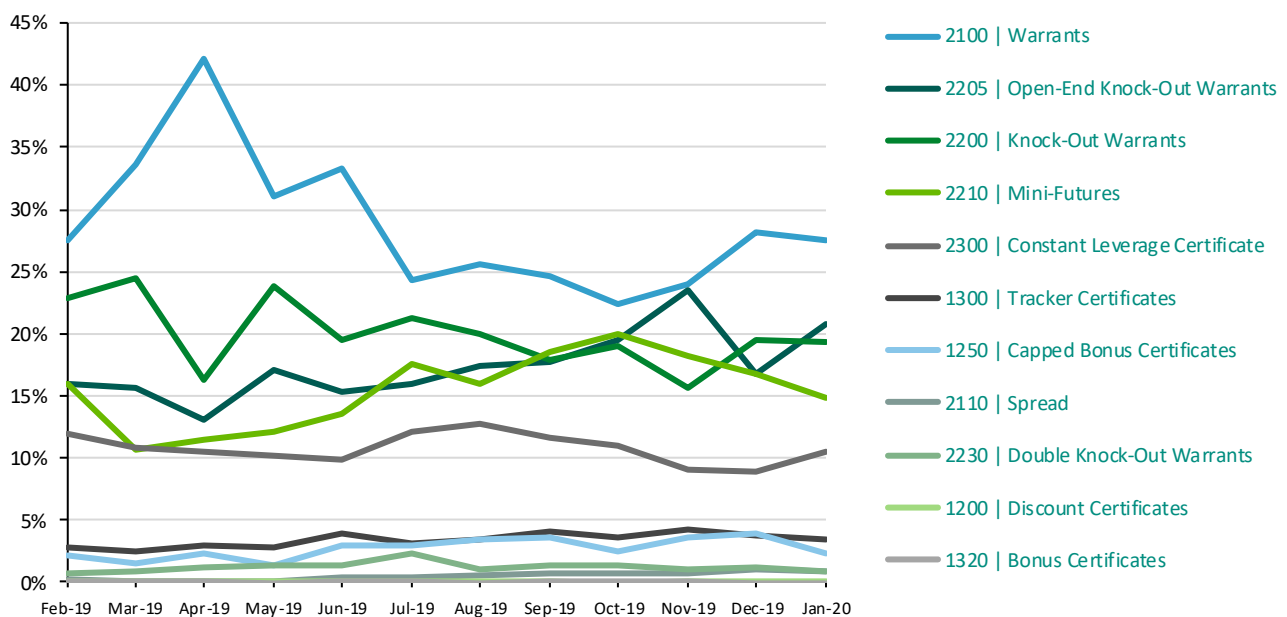
(Source Euronext)



# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

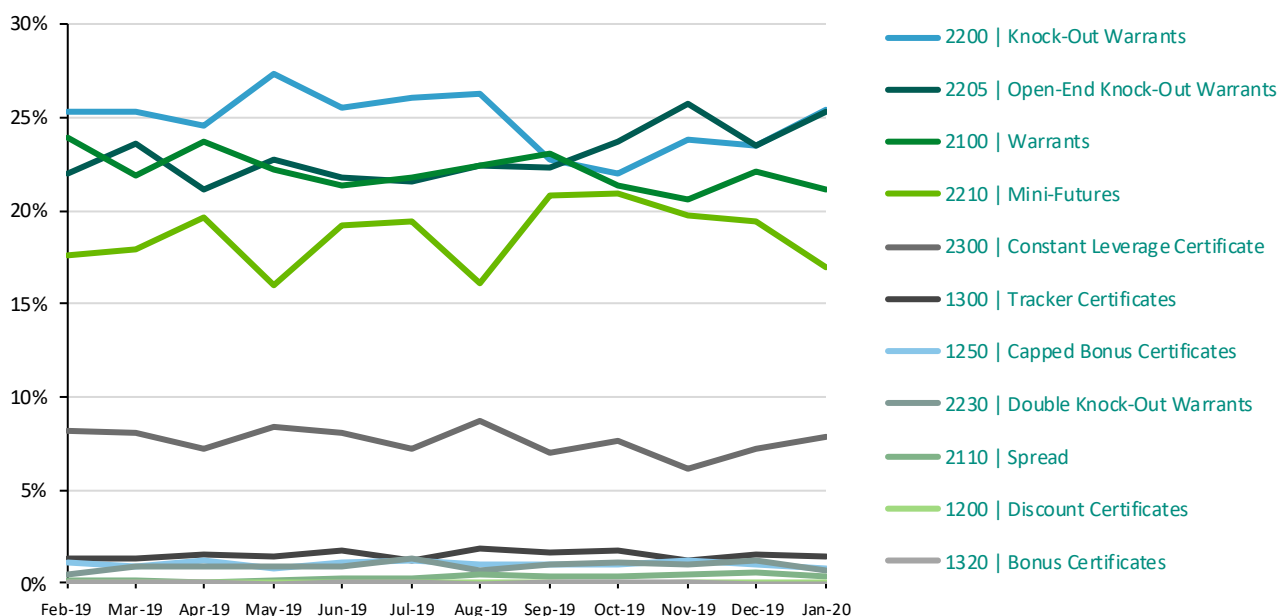
## Market Trend: Value traded

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 (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

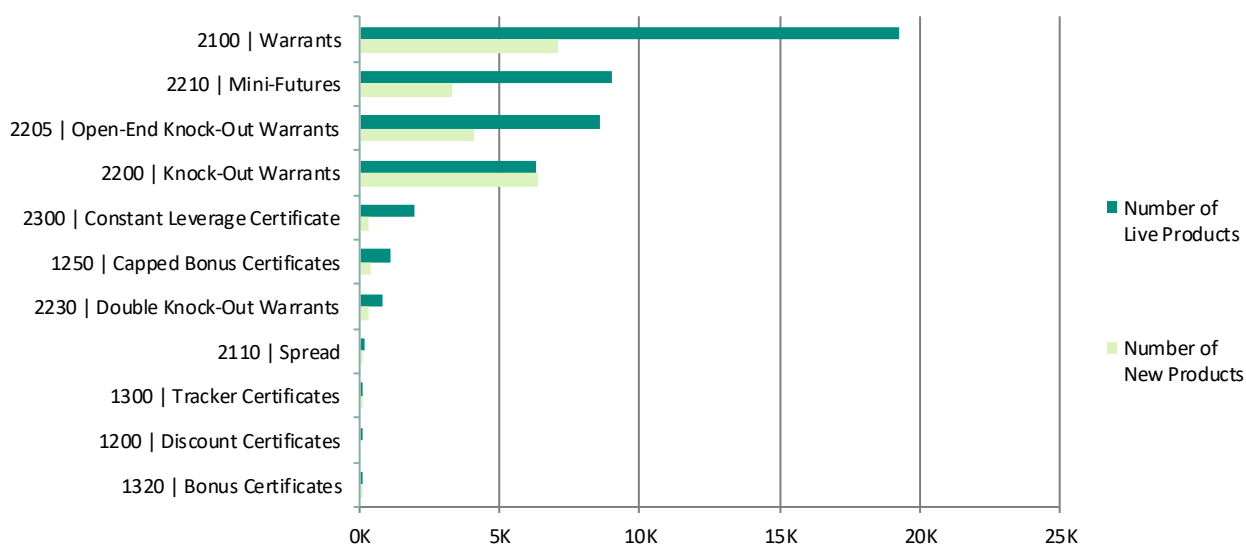
## Product Overview

The table below displays the daily averages of value traded and number of trades on Euronext Paris per product type (EUSIPA<sup>1</sup> 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	19,261	-5.5%	-15.2%	40.7%	7,116	280%	79%	32.4%
2210   Mini-Futures	8,976	3.2%	3.6%	19.0%	3,296	110%	35%	15.0%
2205   Open-End Knock-Out Warrants	8,564	6.1%	6.8%	18.1%	4,068	105%	58%	18.5%
2200   Knock-Out Warrants	6,265	-24%	-18.1%	13.2%	6,342	61%	13.6%	28.9%
2300   Constant Leverage Certificate	1,988	6.5%	68%	4.2%	348	452%	107%	1.6%
1250   Capped Bonus Certificates	1,125	-32%	-40%	2.4%	374		86%	1.7%
2230   Double Knock-Out Warrants	801	9.6%	15.6%	1.7%	321	-11.8%	15.2%	1.5%
2110   Spread	171	33%	50%	0.4%	89	128%	250%	0.4%
1300   Tracker Certificates	80	-4.4%	-10.8%	0.2%	1		100%	0.0%
1200   Discount Certificates	49	7.7%	-14.1%	0.1%	0	-100%	-100%	0.0%
1320   Bonus Certificates	43	21%	14.5%	0.1%	13		333%	0.1%
<b>Total</b>	<b>47,323</b>	<b>-5.2%</b>	<b>-7.3%</b>	<b>100%</b>	<b>21,968</b>	<b>122.4%</b>	<b>44.0%</b>	<b>100%</b>

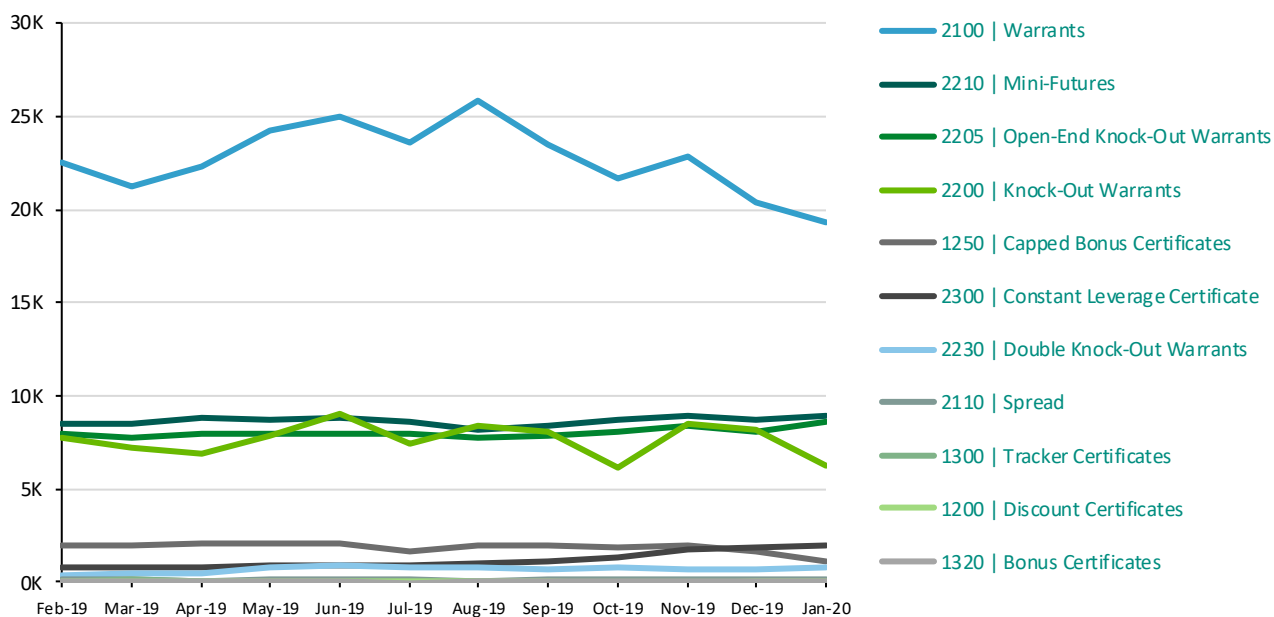
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# PRODUCT TYPES (EUSIPA<sup>1</sup> CATEGORIZATION LEVEL 3)

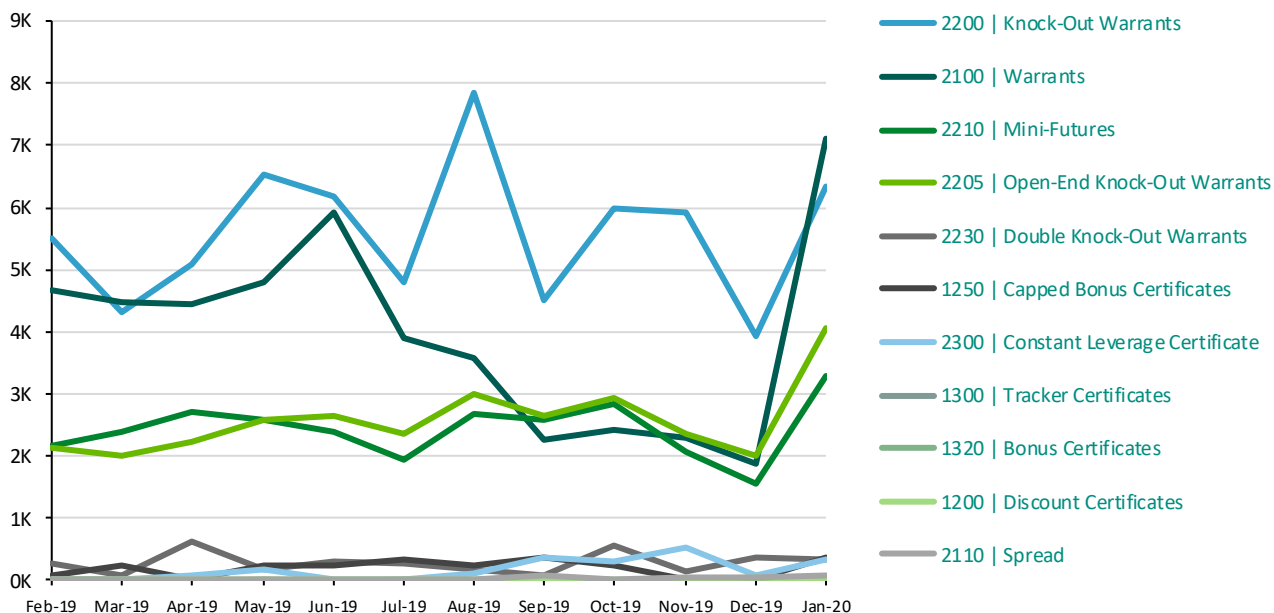
## Product Trend: Number of Live Products

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

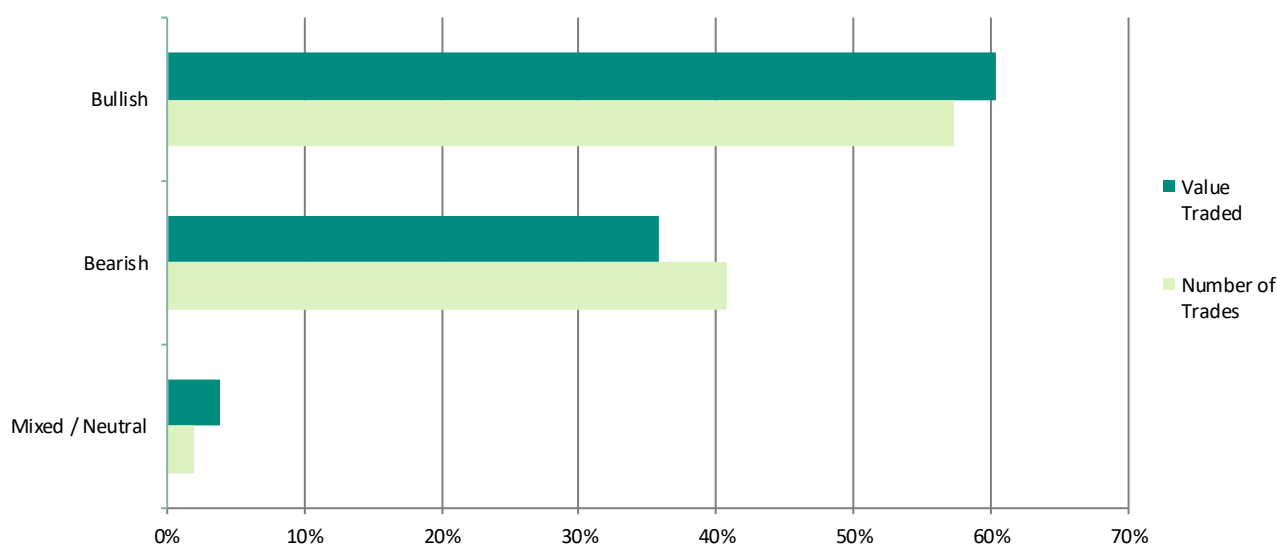
## Market Overview

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	9,861	32%	25%	60.4%	3,455	32.5%	24.2%	57.4%
Bearish	5,835	55%	37%	35.8%	2,450	38%	26%	40.7%
Mixed / Neutral	625	-14.3%	15.1%	3.8%	114	-9.2%	5.1%	1.9%
Total	16,321	36.8%	28.8%	100%	6,019	33.6%	24.7%	100%

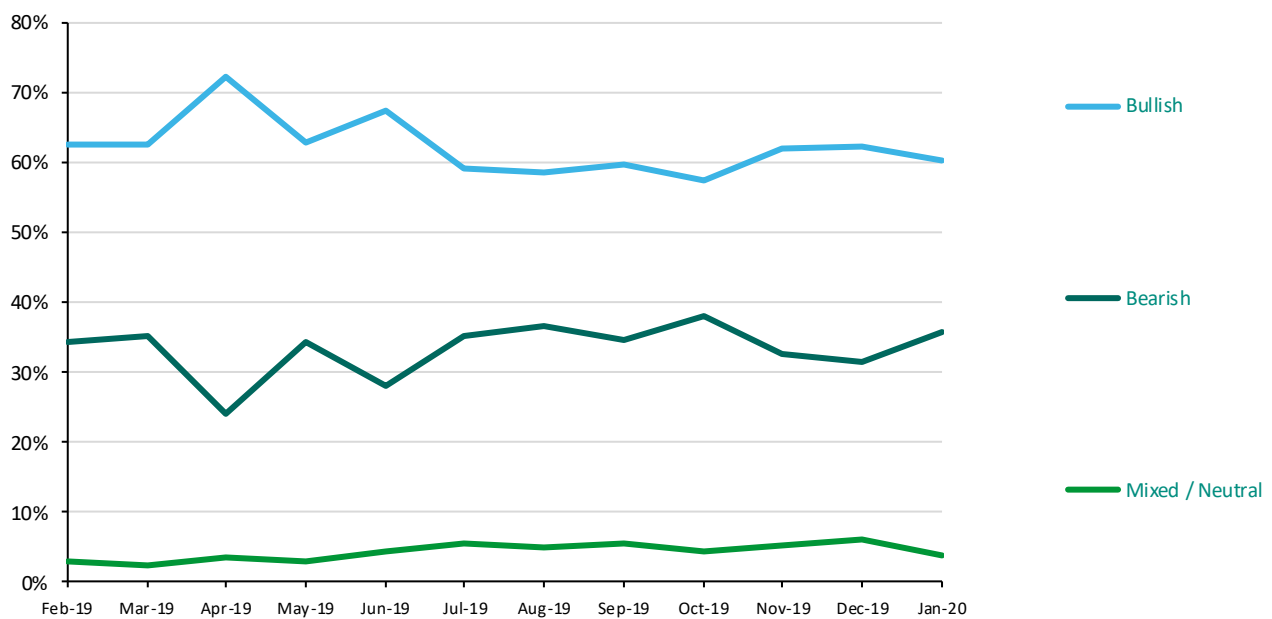
(Source Euronext)



# PRODUCT STRATEGIES

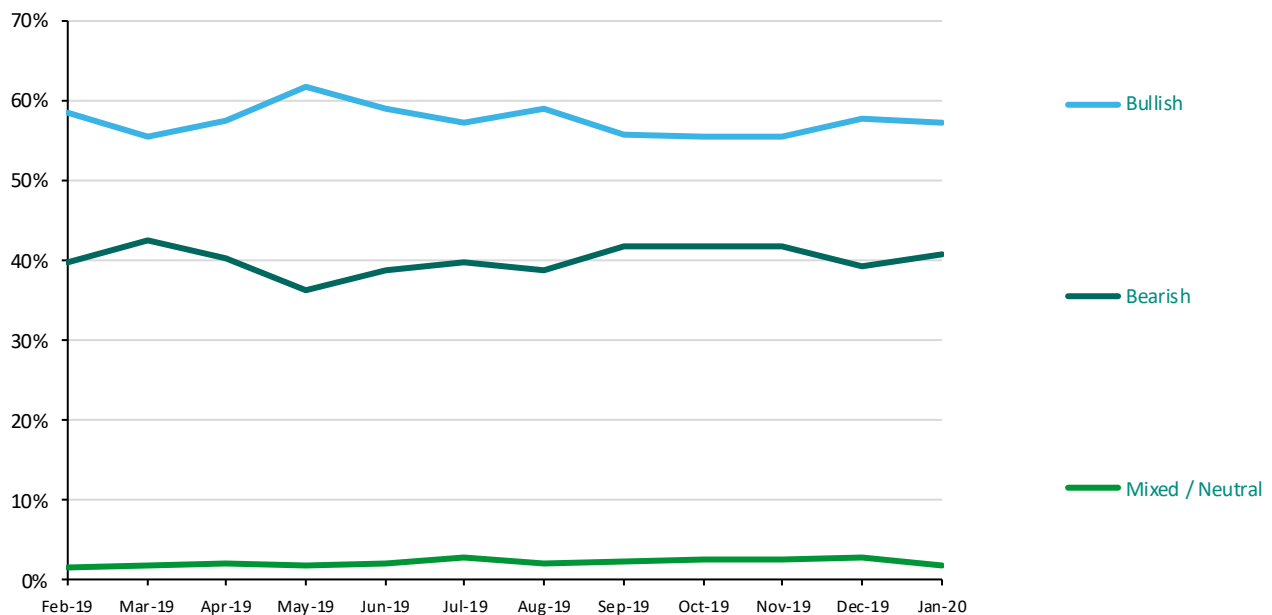
## Market Trend: Value traded

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

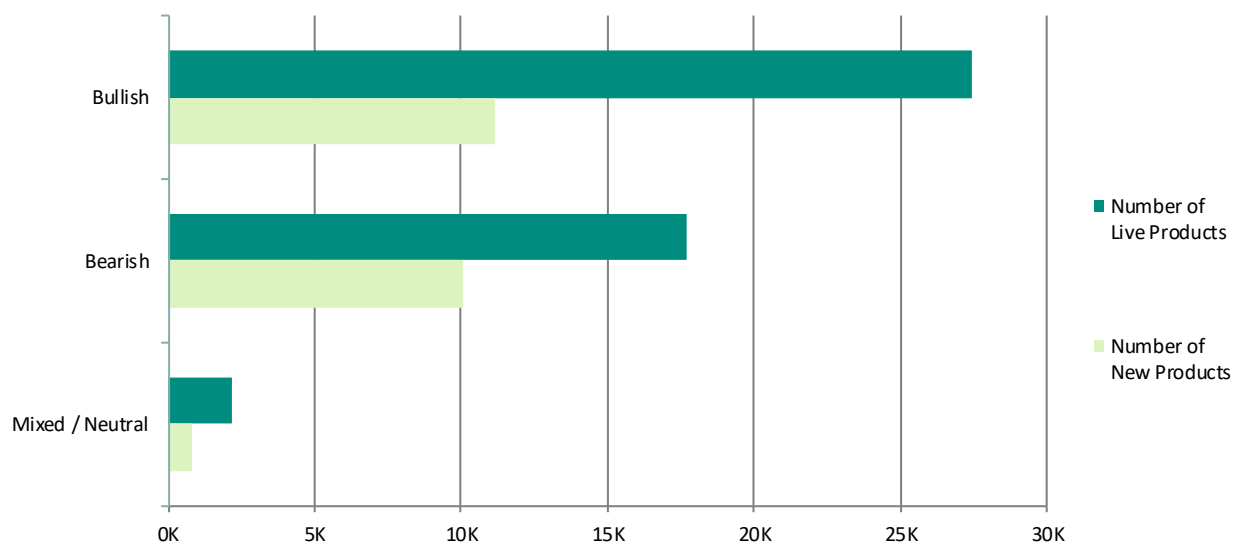
## Product Overview

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	27,483	-5.3%	-4.9%	58.1%	11,136	118%	41%	50.7%
Bearish	17,694	-3.5%	-8.9%	37.4%	10,048	132%	46%	45.7%
Mixed / Neutral	2,146	-15.9%	-22%	4.5%	784	73%	52%	3.6%
<b>Total</b>	<b>47,323</b>	<b>-5.2%</b>	<b>-7.3%</b>	<b>100%</b>	<b>21,968</b>	<b>122.4%</b>	<b>44.0%</b>	<b>100%</b>

(Source Euronext)

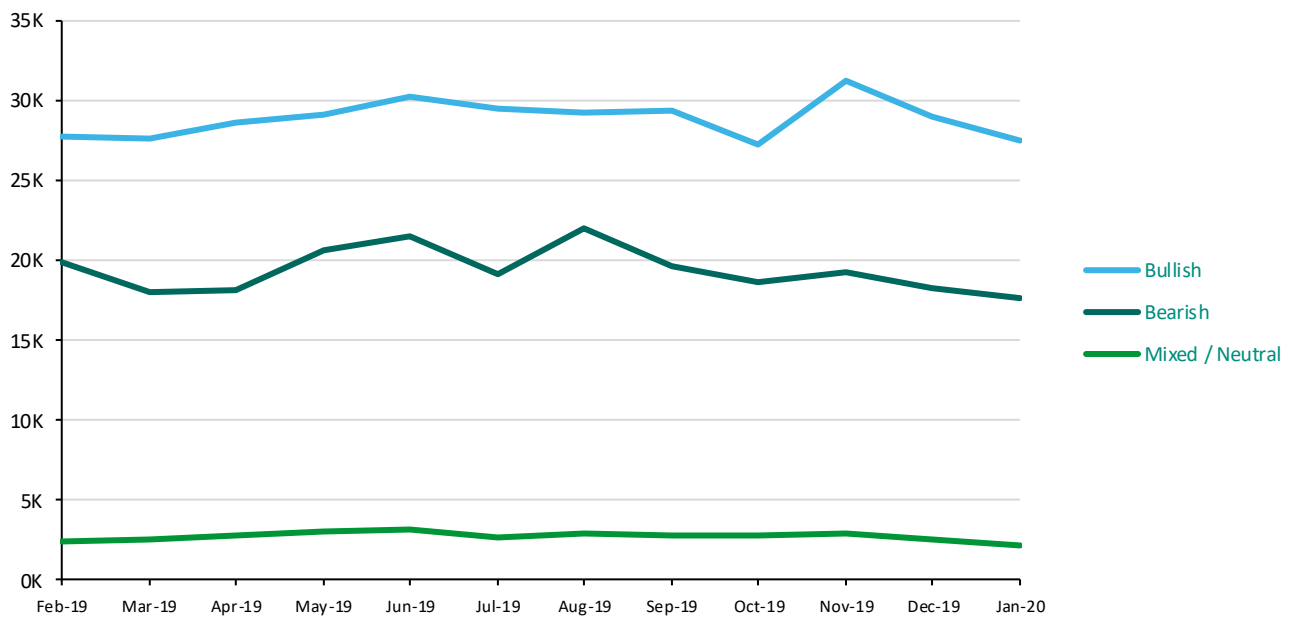




# PRODUCT STRATEGIES

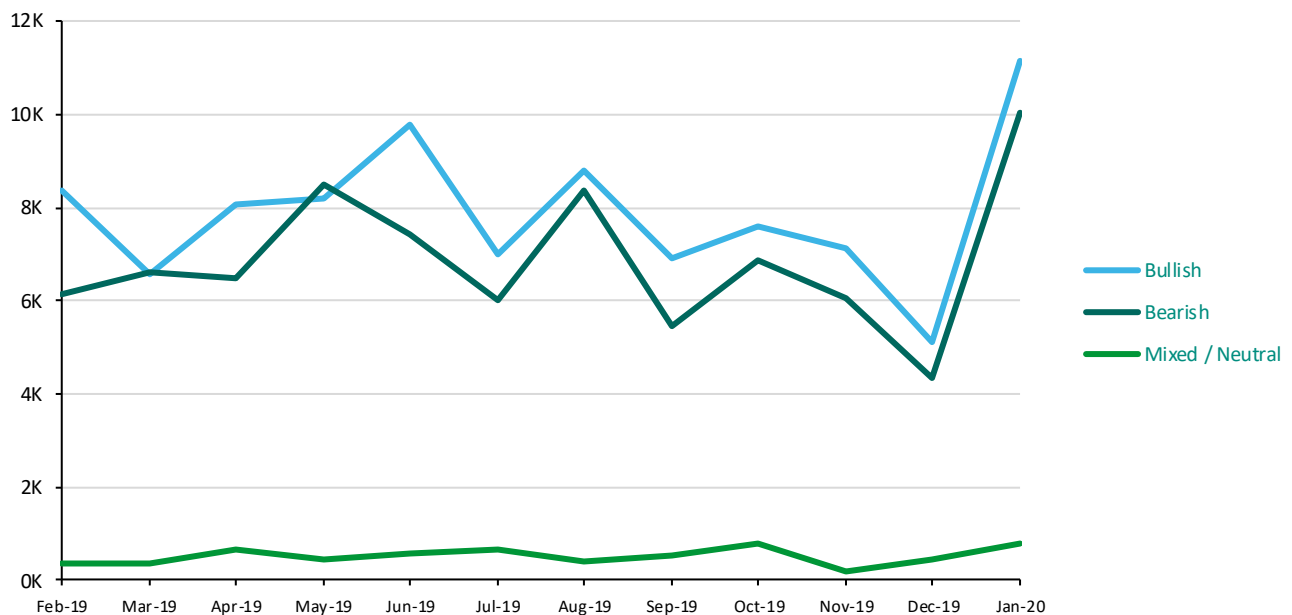
## Product Trend: Number of Live Products

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

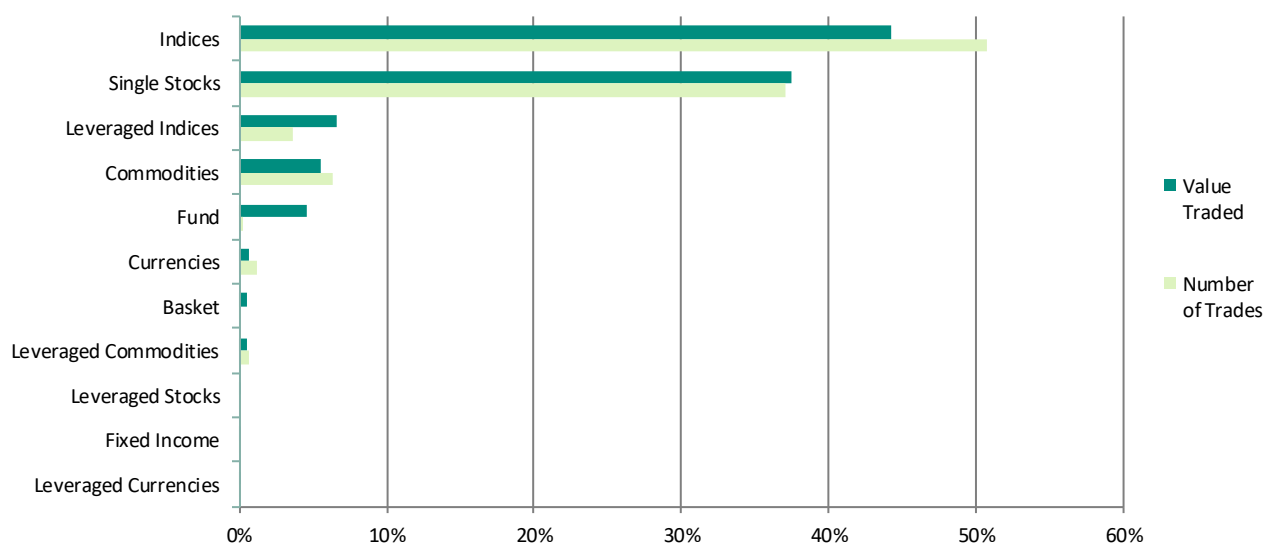
## Market Overview

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	7,215	40%	28%	44.2%	3,054	36.9%	29.5%	50.7%
Single Stocks	6,118	36%	45%	37.5%	2,231	30.7%	19.9%	37.1%
Leveraged Indices	1,072	40%	30%	6.6%	216	23.2%	8.6%	3.6%
Commodities	895	37%	26%	5.5%	381	32.5%	25.0%	6.3%
Fund	740	8.7%	-33%	4.5%	13	-20.8%	-21.5%	0.2%
Currencies	110	21%	31%	0.7%	69	23.4%	20.9%	1.1%
Basket	84	105%	233%	0.5%	1.8	25.4%	45.3%	0.0%
Leveraged Commodities	73	42%	121%	0.4%	42	84.0%	163.8%	0.7%
Leveraged Stocks	11	55%	-23%	0.1%	9.5	33.2%	1.1%	0.2%
Fixed Income	2	13.7%	-76%	0.0%	3.1	10.4%	-51.2%	0.1%
Leveraged Currencies	1	-51%	-31%	0.0%	0.0	-77.3%	-80.4%	0.0%
<b>Total</b>	<b>16,321</b>	<b>37%</b>	<b>29%</b>	<b>100%</b>	<b>6,019</b>	<b>33.6%</b>	<b>24.7%</b>	<b>100%</b>

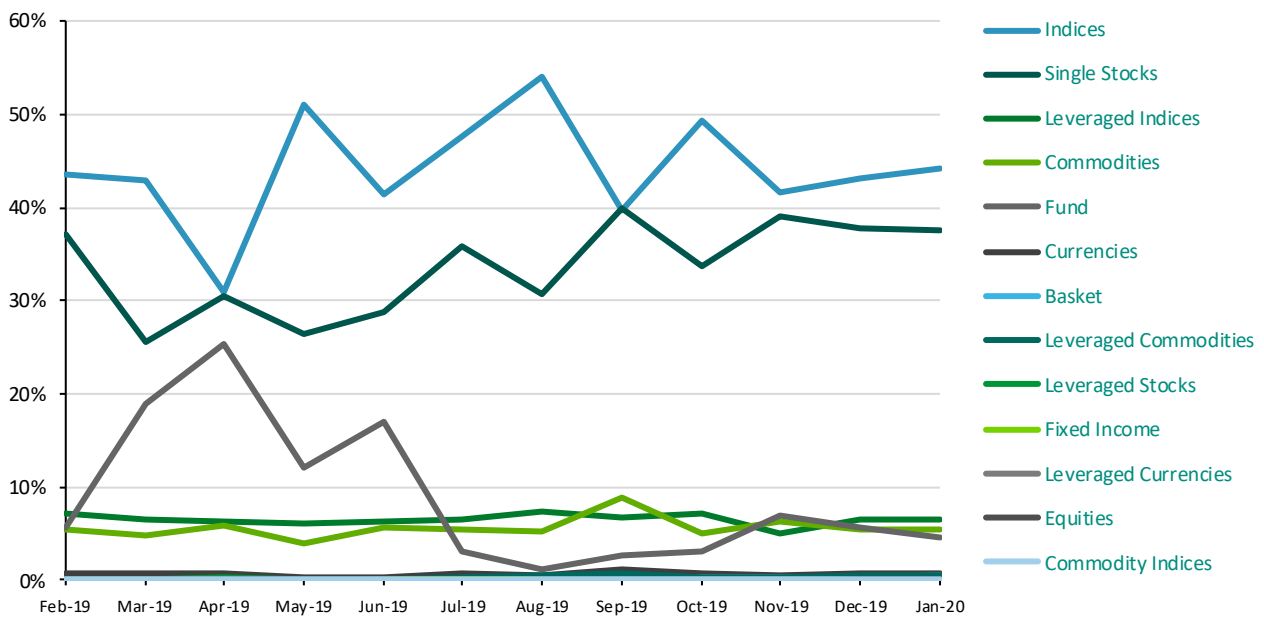
(Source Euronext)



# UNDERLYING TYPES

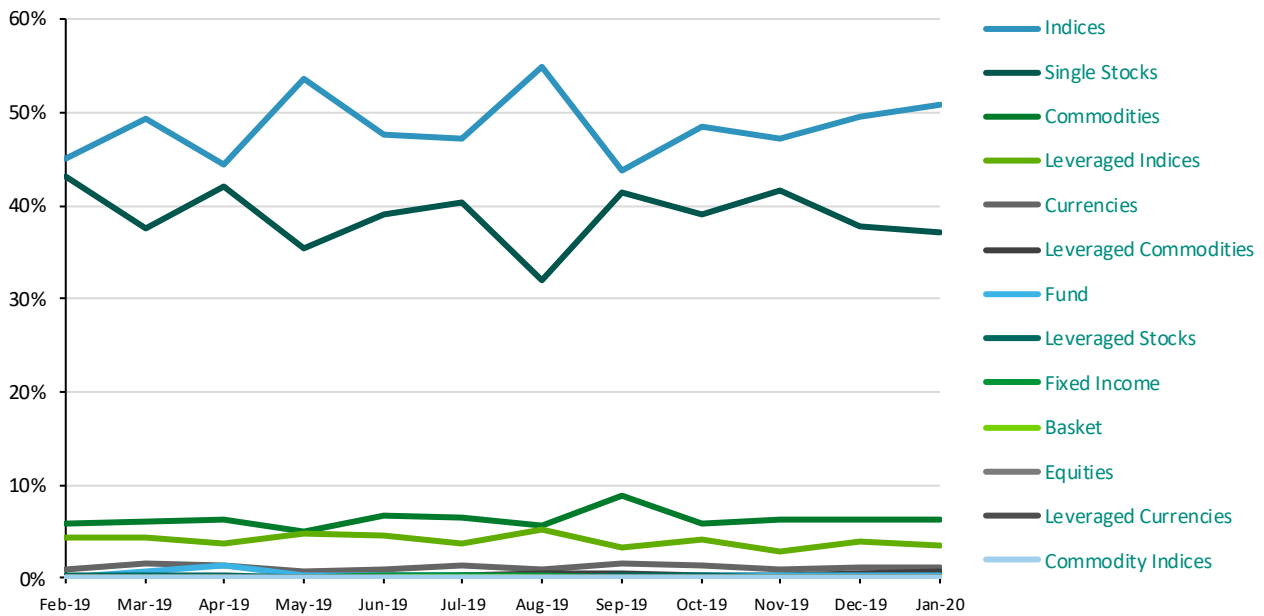
## Market Trend: Value traded

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

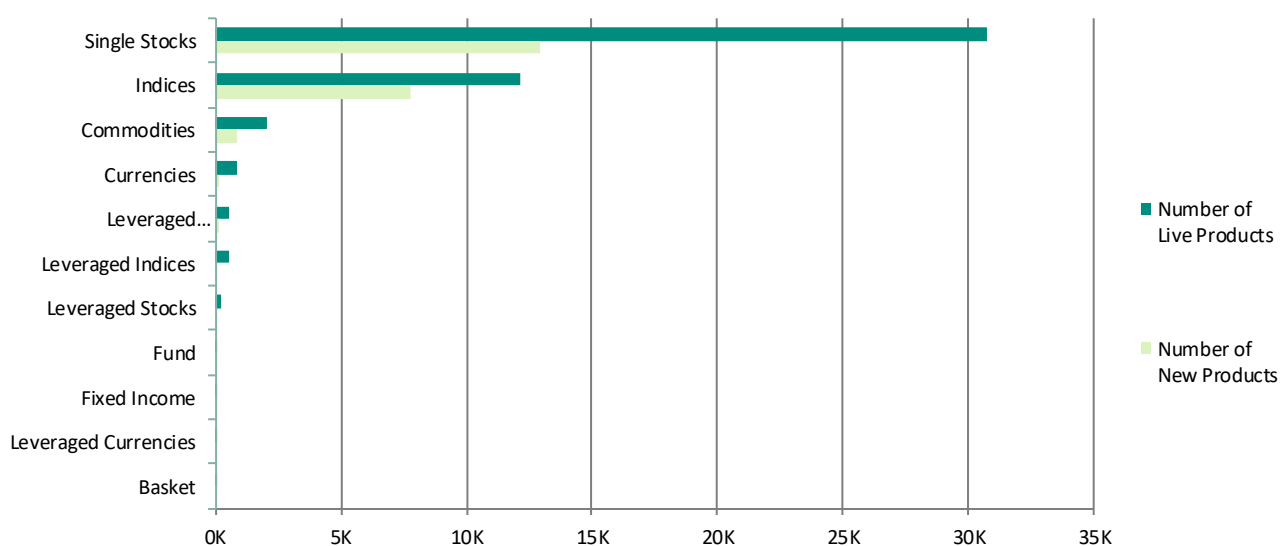
### Product Overview

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	30,746	-5.6%	-11.0%	65.0%	12,932	172%	52%	58.9%
Indices	12,147	-7.1%	-3.7%	25.7%	7,743	65%	30%	35.2%
Commodities	2,042	2.9%	7.3%	4.3%	889	205%	66%	4.0%
Currencies	887	-7.8%	-22%	1.9%	178	36%	-1.0%	0.8%
Leveraged Commodities	566	15.3%	180%	1.2%	114	660%	98%	0.5%
Leveraged Indices	500	15.2%	57%	1.1%	94	NA	192%	0.4%
Leveraged Stocks	244	11.3%	36%	0.5%	15	150%	62%	0.1%
Fund	93	3.2%	5.4%	0.2%	1	0.0%	-40%	0.0%
Fixed Income	79	3.6%	14.1%	0.2%	1		-82%	0.0%
Leveraged Currencies	8	0.0%	0.0%	0.0%	0			0.0%
Basket	8	84%	70%	0.0%	0	-100%	-100%	0.0%
<b>Total</b>	<b>47,323</b>	<b>-5.2%</b>	<b>-7.3%</b>	<b>100%</b>	<b>21,968</b>	<b>122%</b>	<b>44%</b>	<b>100%</b>

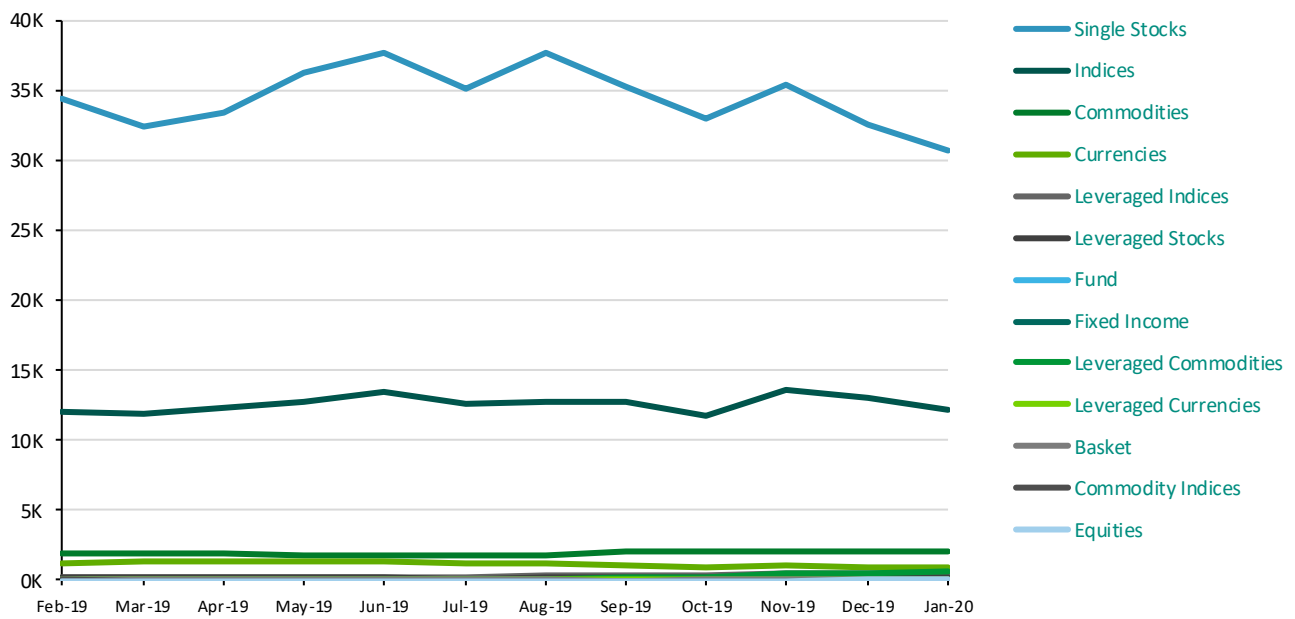
(Source Euronext)



# UNDERLYING TYPES

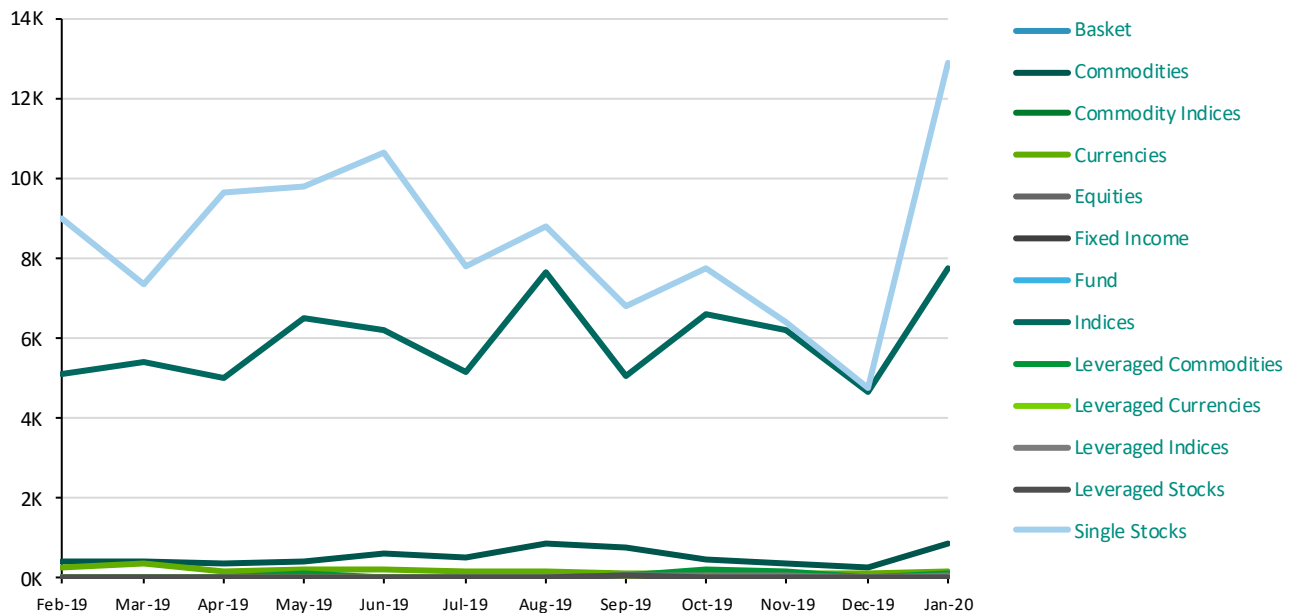
## Product Trend: Number of Live Products

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

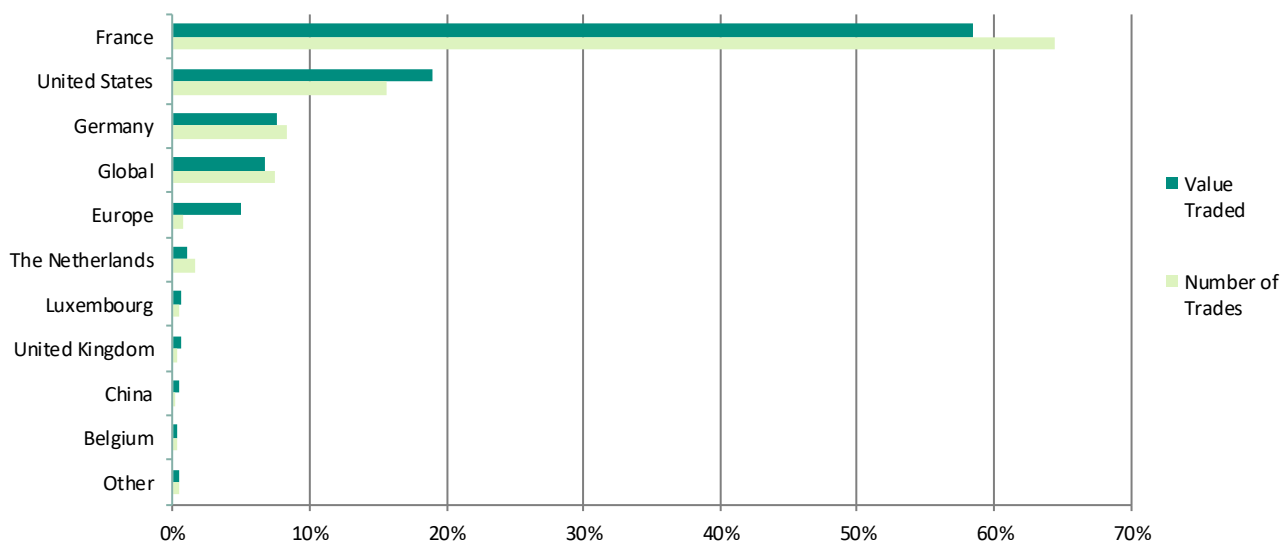
## Market Overview

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	9,550	30%	21%	58.5%	3,883	27.9%	16.0%	64.5%
United States	3,106	71%	93%	19.0%	940	73%	70%	15.6%
Germany	1,234	38%	42%	7.6%	504	29%	26%	8.4%
Global	1,098	40%	34%	6.7%	446	35%	28%	7.4%
Europe	812	14.7%	-30%	5.0%	44	40%	10.7%	0.7%
The Netherlands	167	57%	112%	1.0%	95	47%	176%	1.6%
Luxembourg	90	142%	13.4%	0.6%	27	-16.0%	-35%	0.4%
United Kingdom	90	18.7%	195%	0.5%	19	-29%	73%	0.3%
China	72	-8.4%	289%	0.4%	13	41%	220%	0.2%
Belgium	40	-44%	-29%	0.2%	19	-14.5%	-19.8%	0.3%
Other	64	90%	11.3%	0.4%	30	52%	18.8%	0.5%
<b>Total</b>	<b>16,321</b>	<b>36.8%</b>	<b>28.8%</b>	<b>100%</b>	<b>6,019</b>	<b>33.6%</b>	<b>24.7%</b>	<b>100%</b>

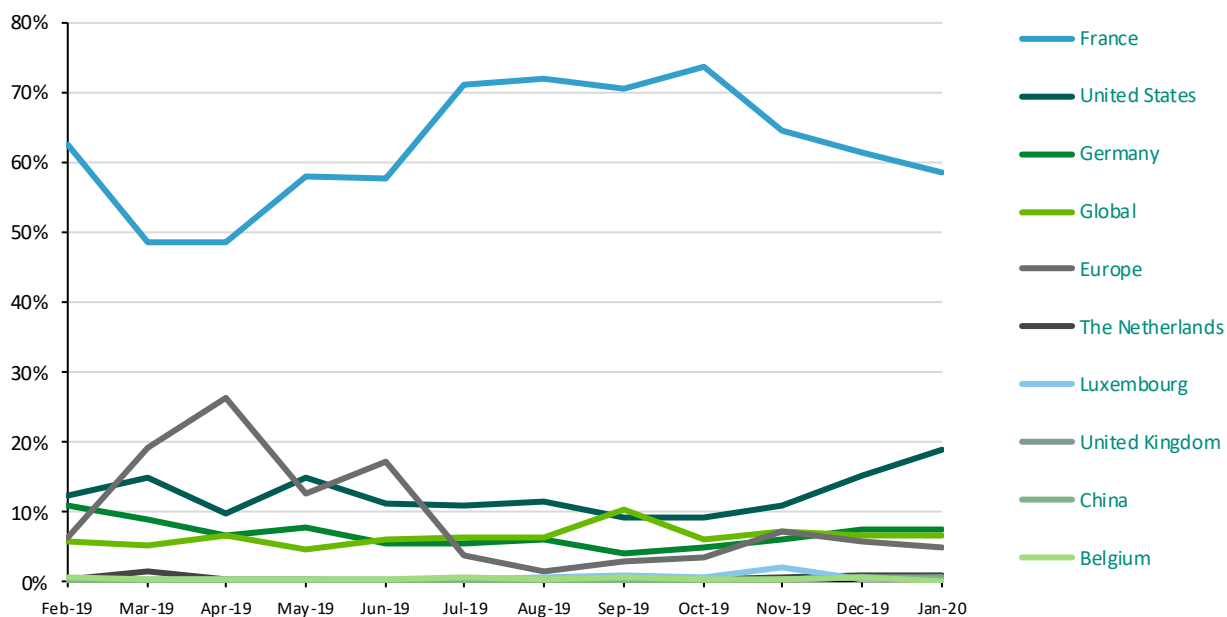
(Source Euronext)



# TOP 10 UNDERLYING COUNTRIES

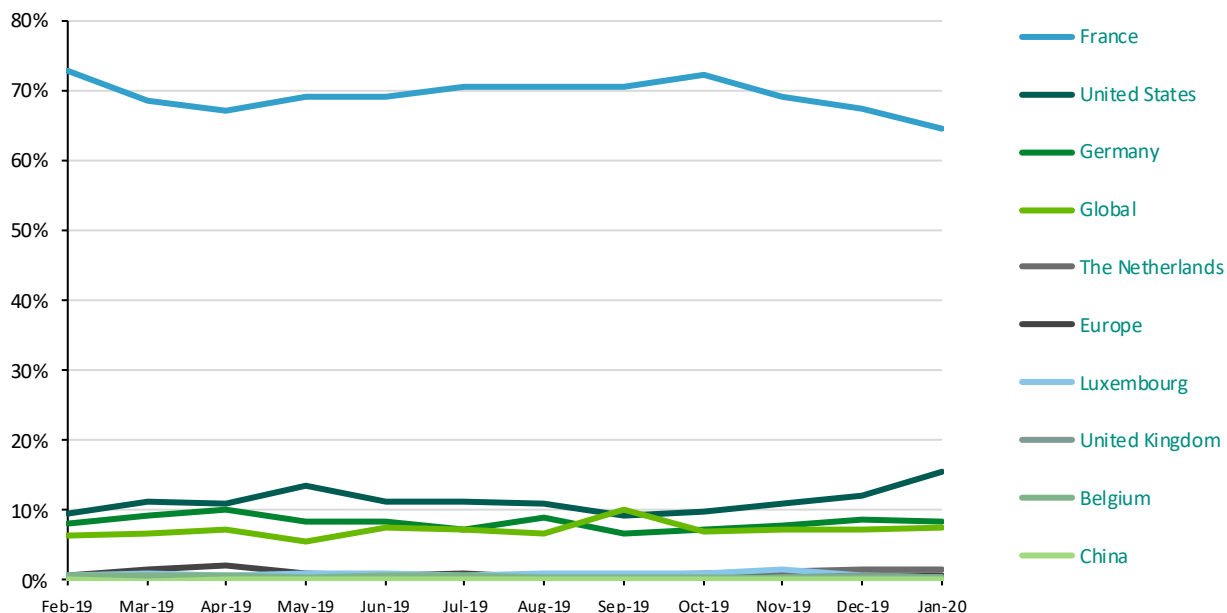
## Market Trend: Value traded

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

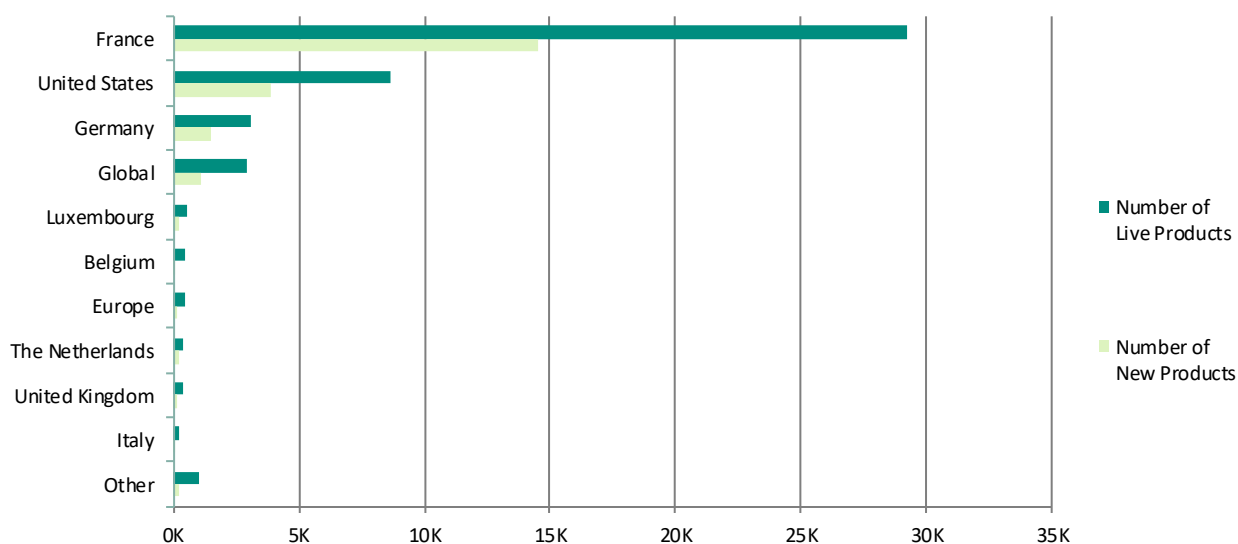
### Product Overview

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	29,218	-6.0%	-10.3%	61.7%	14,548	124%	46%	66.2%
United States	8,676	-4.5%	-4.2%	18.3%	3,901	136%	44%	17.8%
Germany	3,118	-8.0%	-2.7%	6.6%	1,455	56%	24%	6.6%
Global	2,893	4.5%	19.9%	6.1%	1,062	215%	65%	4.8%
Luxembourg	536	-5.9%	-17.4%	1.1%	239	110%	22%	1.1%
Belgium	436	-14.5%	-14.0%	0.9%	76	138%	-24%	0.3%
Europe	426	-4.0%	-18.5%	0.9%	99	71%	26%	0.5%
The Netherlands	401	-2.7%	5.5%	0.8%	185	57%	58%	0.8%
United Kingdom	400	0.0%	-15.5%	0.8%	134	109%	65%	0.6%
Italy	206	-6.7%	-18.9%	0.4%	30	150%	13.9%	0.1%
Other	1,014	-2.8%	-3.1%	2.1%	239	223%	32%	1.1%
<b>Total</b>	<b>47,323</b>	<b>-5.2%</b>	<b>-7.3%</b>	<b>100%</b>	<b>21,968</b>	<b>122.4%</b>	<b>44.0%</b>	<b>100%</b>

(Source Euronext)

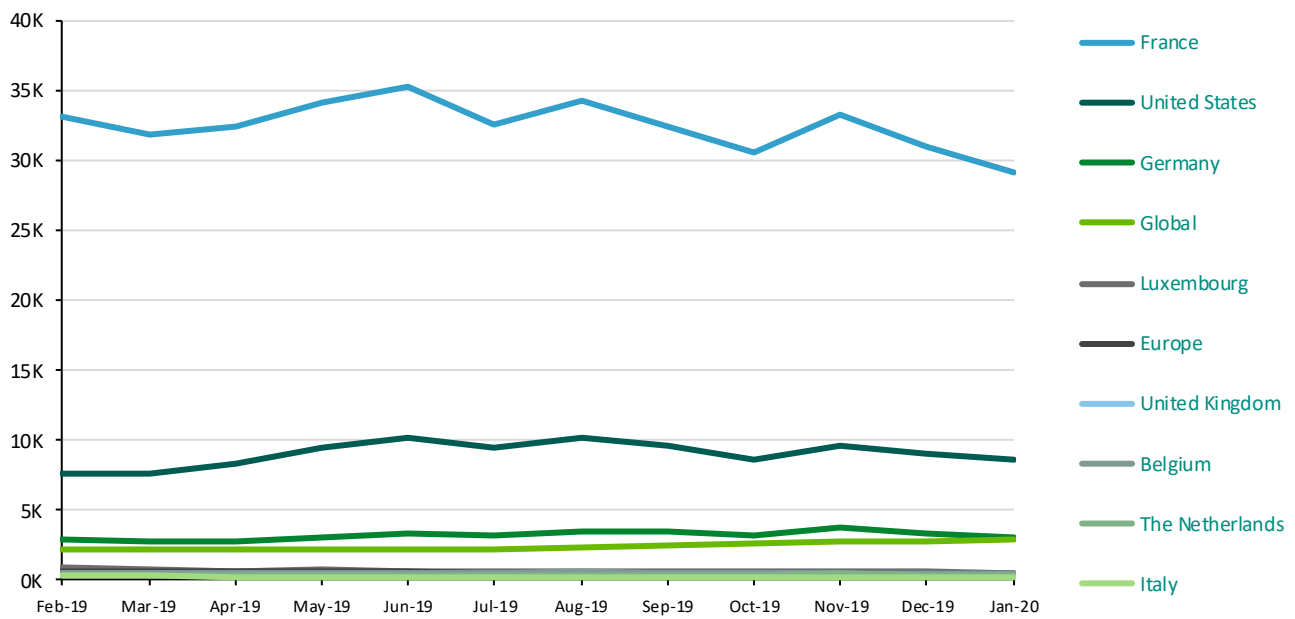




# TOP 10 UNDERLYING COUNTRIES

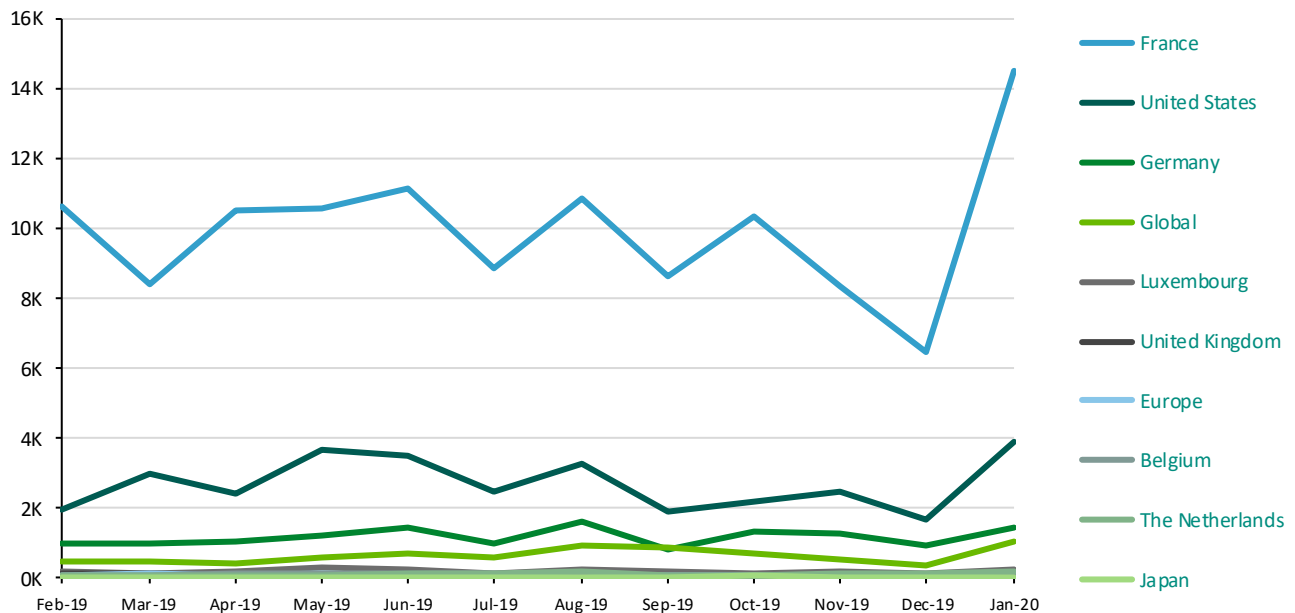
## Product Trend: Number of Live Products

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

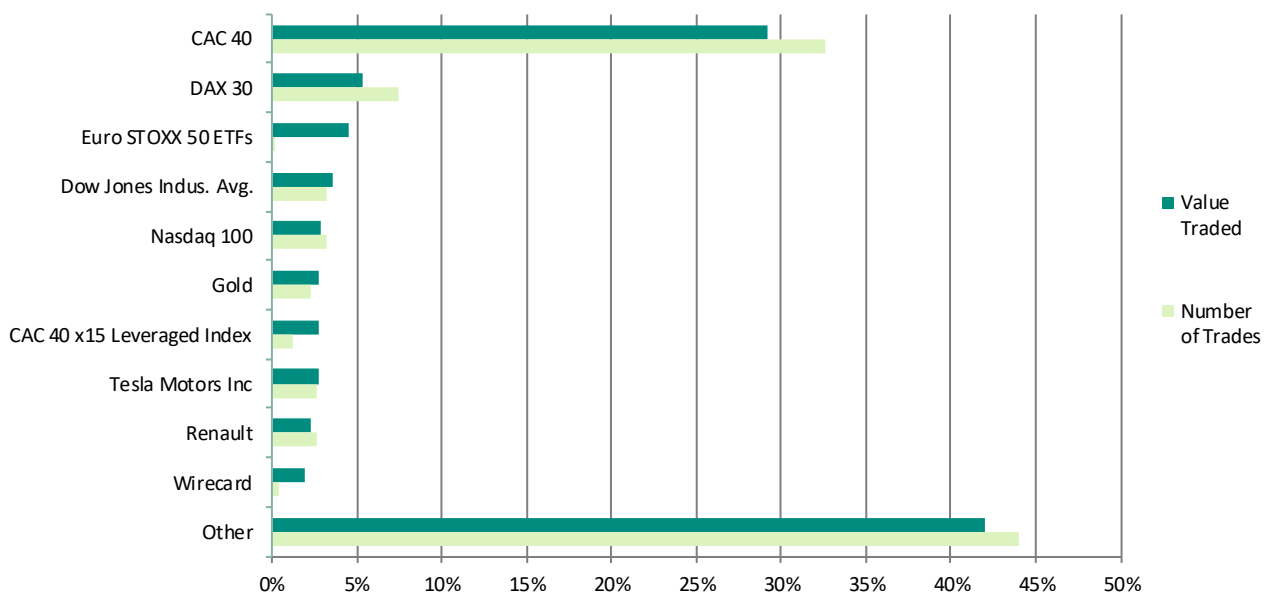
## Market Overview

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	4,771	38%	31%	29.2%	1,964	34.0%	26.6%	32.6%
DAX 30	869	18.1%	13.8%	5.3%	449	27%	23%	7.5%
Euro STOXX 50 ETFs	737	9.3%	-33%	4.5%	13	-17.4%	-21%	0.2%
Dow Jones Indus. Avg.	586	37%	7.0%	3.6%	194	32%	25%	3.2%
Nasdaq 100	465	111%	38%	2.9%	195	83%	33%	3.2%
Gold	455	98%	70%	2.8%	138	76%	47%	2.3%
CAC 40 x15 Leveraged Index	453	55%	74%	2.8%	72	18.6%	19.1%	1.2%
Tesla Motors Inc	447	466%	339%	2.7%	159	389%	359%	2.6%
Renault	373	68%	110%	2.3%	161	86%	101%	2.7%
Wirecard	313	157%	572%	1.9%	26	25%	220%	0.4%
Other	6,851	25%	26%	42.0%	2,648	24%	14.3%	44.0%
<b>Total</b>	<b>16,321</b>	<b>36.8%</b>	<b>28.8%</b>	<b>100%</b>	<b>6,019</b>	<b>33.6%</b>	<b>24.7%</b>	<b>100%</b>

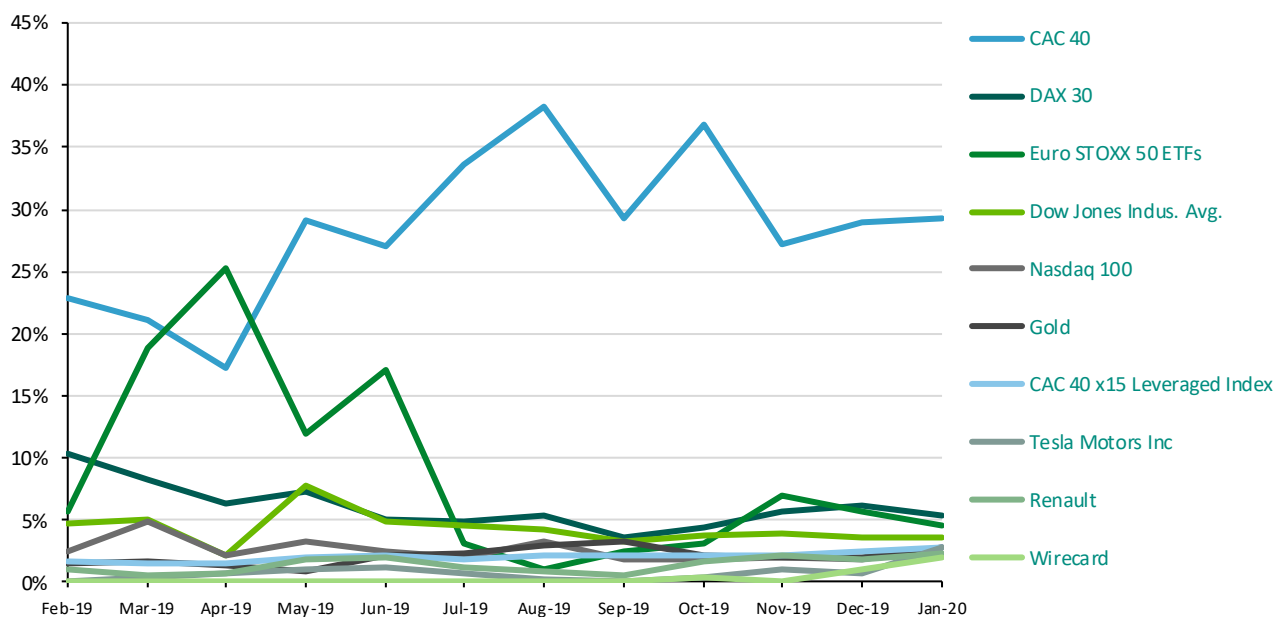
(Source Euronext)



# TOP 10 UNDERLYINGS

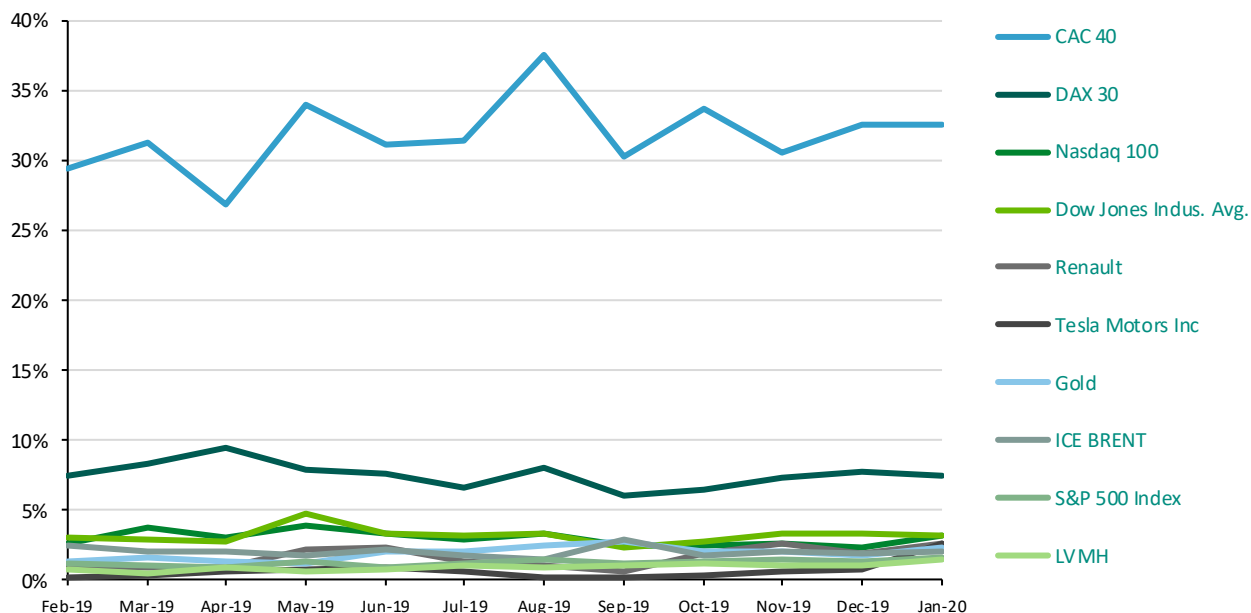
## Market Trend: Value traded

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

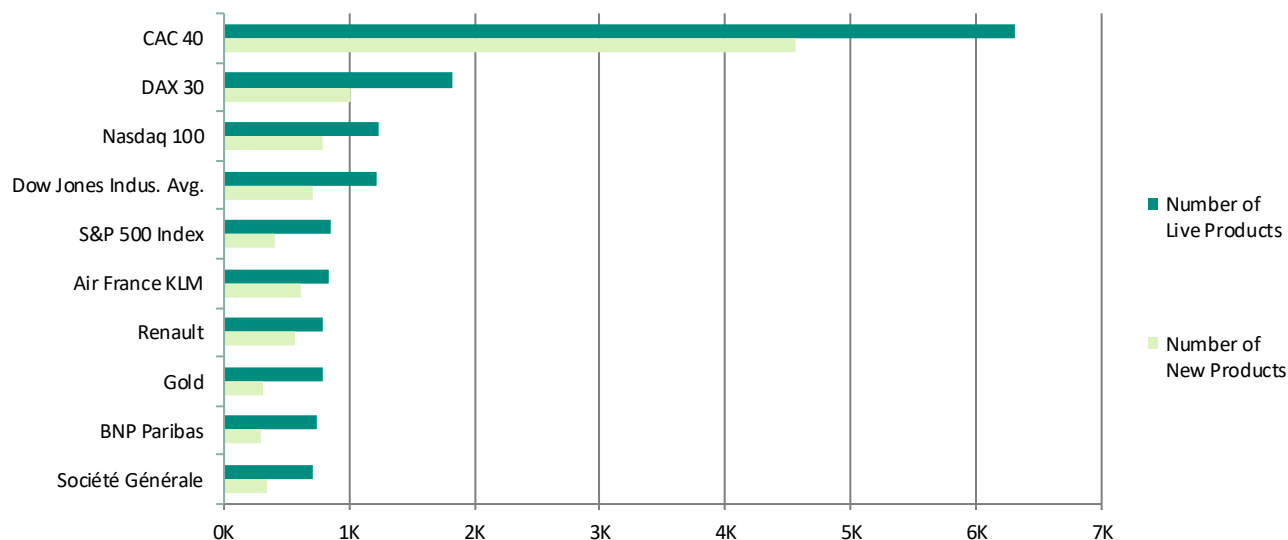
## Product Overview

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	6,317	-5.4%	-4.9%	13.3%	4,568	63%	27%	20.8%
DAX 30	1,818	-12.8%	-1.5%	3.8%	1,017	27%	16.5%	4.6%
Nasdaq 100	1,243	-4.2%	4.7%	2.6%	784	107%	56%	3.6%
Dow Jones Indus. Avg.	1,220	-10.6%	-5.4%	2.6%	714	106%	32%	3.3%
S&P 500 Index	858	-6.3%	-3.5%	1.8%	416	122%	47%	1.9%
Air France KLM	843	-4.6%	-15.8%	1.8%	612	236%	65%	2.8%
Renault	787	-6.6%	-10.2%	1.7%	574	242%	98%	2.6%
Gold	786	5.2%	11.0%	1.7%	314	278%	67%	1.4%
BNP Paribas	751	-10.5%	-17.1%	1.6%	296	162%	19.9%	1.3%
Société Générale	714	-4.2%	-14.1%	1.5%	341	95%	52%	1.6%
Other	31,986	-4.5%	-8.3%	67.6%	12,332	166%	51%	56.1%
<b>Total</b>	<b>47,323</b>	<b>-5.2%</b>	<b>-7.3%</b>	<b>100%</b>	<b>21,968</b>	<b>122.4%</b>	<b>44.0%</b>	<b>100%</b>

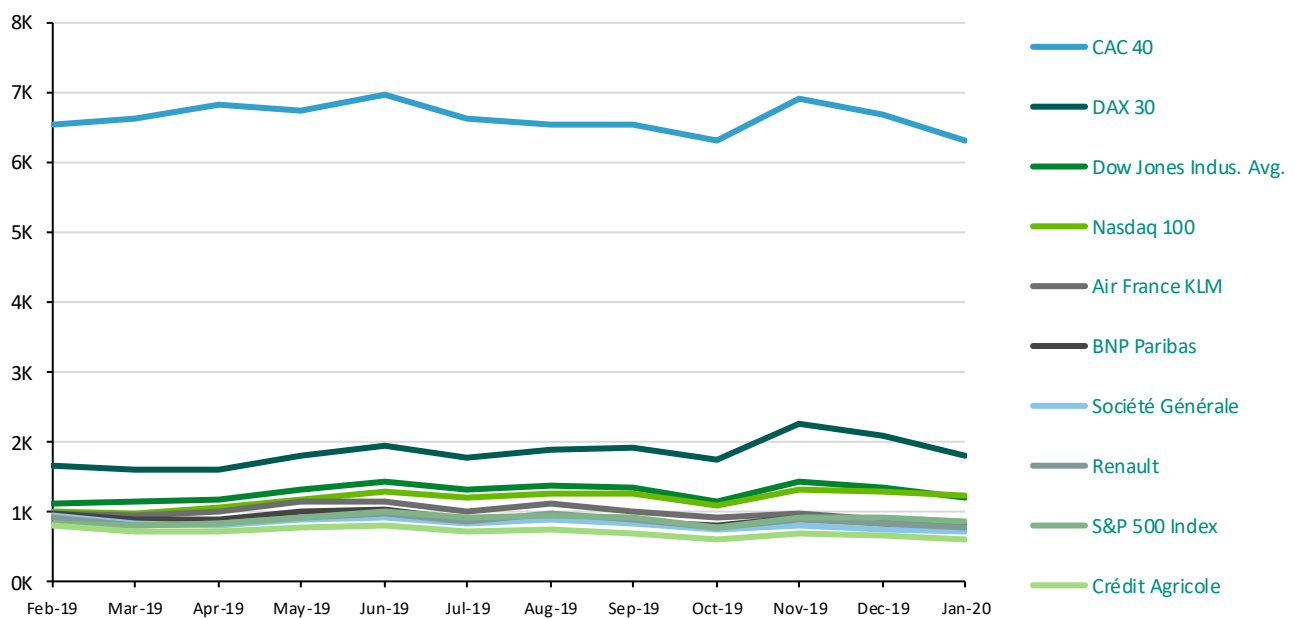
(Source Euronext)



# TOP 10 UNDERLYINGS

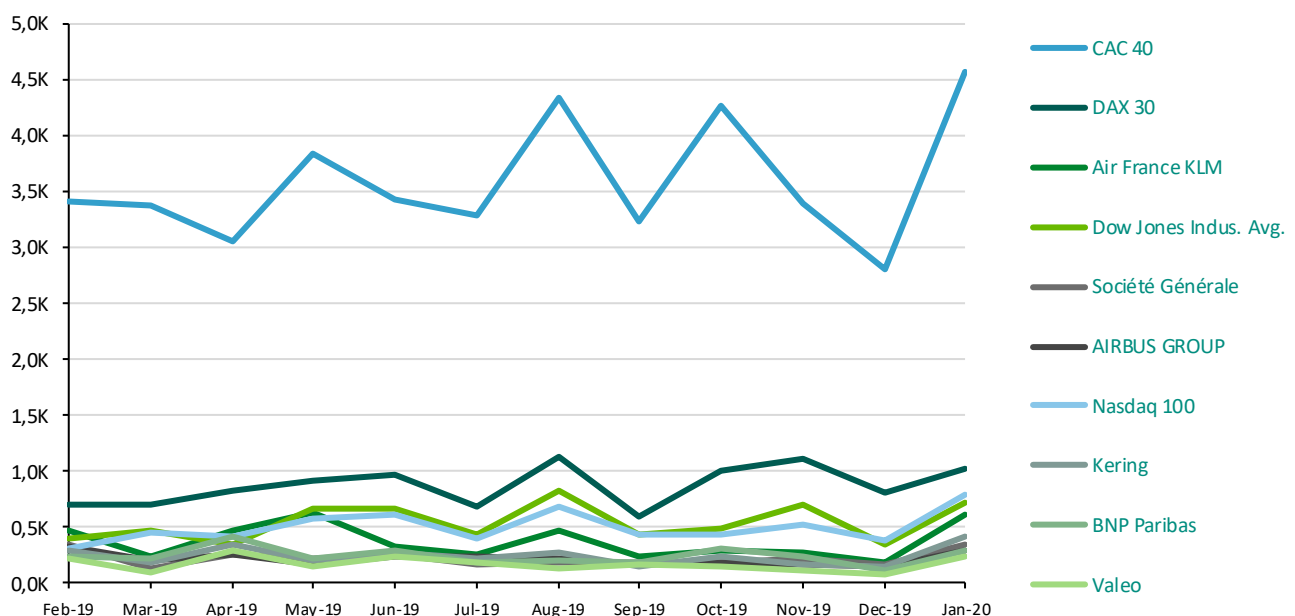
## Product Trend: Number of Live Products

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	
NL0013666191	BNP Paribas	2100	Warrants	Euro STOXX 50 ETFs	15,287	189
DE000CD5NZY1	Commerzbank	2300	Constant Leverage Certificate	CAC 40	4,407	955
FR0013217940	Société Générale	2300	Constant Leverage Certificate	CAC 40 x15 Leveraged Index	4,344	447
FR0013188612	Société Générale	2300	Constant Leverage Certificate	CAC 40 x15 Leveraged Index	3,839	498
FRBNPP017DD4	BNP Paribas	2210	Mini-Futures	Wirecard	3,361	150
DE000VE4Z0J0	Vontobel	2205	Open-End Knock-Out Warrants	CAC 40	3,193	438
FRBNPP00XK03	BNP Paribas	2210	Mini-Futures	CAC 40	2,486	75
LU1815432486	Société Générale	1300	Tracker Certificates	CAC 40 x15 Short Index	2,107	597
LU1815432056	Société Générale	1300	Tracker Certificates	CAC 40 x10 Short Index	1,958	234
NL0006191470	BNP Paribas	1300	Tracker Certificates	Precious Metals Basket	1,845	40
DE000VE5KLS5	Vontobel	2200	Knock-Out Warrants	Gold	1,836	336
DE000CU15504	Commerzbank	2300	Constant Leverage Certificate	CAC 40	1,814	508
FR0010961078	Société Générale	2300	Constant Leverage Certificate	CAC 40 x5 Leveraged Index	1,778	131
FR0010511535	Société Générale	1300	Tracker Certificates	Brent	1,751	215
DE000CP860G4	Citi	2205	Open-End Knock-Out Warrants	CAC 40	1,747	315
DE000VE5KMP9	Vontobel	2205	Open-End Knock-Out Warrants	Gold	1,673	184
DE000VE5XF87	Vontobel	2205	Open-End Knock-Out Warrants	CAC 40	1,396	194
LU1555074977	Société Générale	2300	Constant Leverage Certificate	CAC 40 x15 Leveraged Index	1,340	425
LU1815432130	Société Générale	1300	Tracker Certificates	CAC 40 x12 Short Index	1,297	301
DE000CU6NMR0	Commerzbank	2210	Mini-Futures	Peugeot	1,286	37
DE000VE4ZWP9	Vontobel	2200	Knock-Out Warrants	CAC 40	1,286	263
NL0013936586	BNP Paribas	2100	Warrants	Renault	1,223	85
DE000UC1ANV8	Unicredit	2200	Knock-Out Warrants	Dow Jones Indus. Avg.	1,150	34
DE000CJ83L95	Commerzbank	2100	Warrants	LVMH	1,125	56
DE000CU6M7G0	Commerzbank	2205	Open-End Knock-Out Warrants	DAX 30	1,115	90
DE000UC0ZYX0	Unicredit	2200	Knock-Out Warrants	DAX 30	1,112	60
FRBNPP018CK9	BNP Paribas	2200	Knock-Out Warrants	CAC 40	1,064	217
DE000KA2UG42	Citi	2300	Constant Leverage Certificate	CAC 40 x15 Short Index	1,050	254
DE000CP85M94	Citi	2205	Open-End Knock-Out Warrants	CAC 40	1,022	194
FRBNPP019KN4	BNP Paribas	2200	Knock-Out Warrants	CAC 40	982	62
FR0011214527	Société Générale	2300	Constant Leverage Certificate	CAC 40 x10 Leveraged Index	975	350
DE000CJ83GT5	Commerzbank	2300	Constant Leverage Certificate	Arcelormittal	941	16
DE000CL1GM47	Commerzbank	2300	Constant Leverage Certificate	Nasdaq 100 Mini	926	29
LU1555073730	Société Générale	2300	Constant Leverage Certificate	CAC 40 x10 Leveraged Index	915	28
NL0006454928	BNP Paribas	1300	Tracker Certificates	Gold	910	61
LU2000310917	Société Générale	2210	Mini-Futures	CAC 40	873	156
DE000CL1GL63	Commerzbank	2300	Constant Leverage Certificate	CAC 40	847	143
FR0013427929	Commerzbank	1250	Capped Bonus Certificates	Vallourec	842	95
DE000VE5K1Q9	Vontobel	2205	Open-End Knock-Out Warrants	CAC 40	803	110
DE000CU36L80	Commerzbank	2210	Mini-Futures	Dow Jones Indus. Avg.	797	10
DE000CU13SE6	Commerzbank	2100	Warrants	Kering	774	43
DE000CJ815P7	Commerzbank	2205	Open-End Knock-Out Warrants	CAC 40	774	104
DE000CP7GVT6	Citi	2205	Open-End Knock-Out Warrants	CAC 40	771	131
DE000CL1GL55	Commerzbank	2300	Constant Leverage Certificate	Euro STOXX 50	751	24
DE000VE4ZV52	Vontobel	2200	Knock-Out Warrants	CAC 40	743	189
LU2035520332	Société Générale	2100	Warrants	Wal-Mart Stores	741	47
FR0011119395	Société Générale	2300	Constant Leverage Certificate	CAC 40 x7 Leveraged Index	736	89
DE000CL2E8R8	Commerzbank	2100	Warrants	Tesla Motors Inc	730	28
DE000UC1CPL0	Unicredit	2200	Knock-Out Warrants	Dow Jones Indus. Avg.	728	18
FR0013101565	Société Générale	2300	Constant Leverage Certificate	CAC 40 x10 Leveraged Index	703	186

(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:

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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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