

Top five execution venues

Class of Instrument	Equities - Shares & Depository Receipts Tick size liquidity bands 5 and 6 (from 2000 trades per day)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETRA - REGULIERTER MARKT(XETA)	40,3%	54,0%	24,9%	73,0%	37,5%
TRADEGATE EXCHANGE - FREIVERKEHR(XGAT)	29,8%	29,6%	0,3%	0,9%	94,2%
OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS(XOFF)	21,8%	3,7%	0,0%	0,1%	1,5%
XETRA - FREIVERKEHR(XETB)	5,5%	8,6%	55,2%	42,3%	86,5%
BOERSE FRANKFURT - FREIVERKEHR(FRAB)	1,6%	2,1%	0,5%	0,9%	15,9%

Class of Instrument	Equities - Shares & Depository Receipts Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETRA - REGULIERTER MARKT(XETA)	69,8%	62,9%	74,0%	22,7%	88,4%
OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS(XOFF)	13,2%	1,0%	0,0%	0,0%	0,0%
TRADEGATE EXCHANGE - FREIVERKEHR(XGAT)	12,5%	28,0%	0,3%	0,9%	94,3%
XETRA - FREIVERKEHR(XETB)	1,6%	2,8%	54,7%	41,9%	98,8%
BOERSE FRANKFURT - FREIVERKEHR(FRAB)	1,2%	1,7%	0,0%	2,5%	27,6%

Class of Instrument	Equities - Shares & Depository Receipts Tick size liquidity band 1 and 2 (from 0 to 79 trades per day)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS(XOFF)	72,2%	6,9%	0,0%	0,0%	0,6%
TRADEGATE EXCHANGE - FREIVERKEHR(XGAT)	11,9%	46,3%	0,5%	0,2%	96,2%
BOERSE FRANKFURT - FREIVERKEHR(FRAB)	3,7%	7,6%	0,0%	2,9%	62,8%
XETRA - REGULIERTER MARKT(XETA)	3,4%	14,2%	59,9%	28,2%	98,4%
BOERSE STUTTGART - FREIVERKEHR(STUB)	3,4%	6,1%	0,0%	0,0%	94,9%

Class of Instrument	Debt instruments Bonds				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BOERSE STUTTGART - FREIVERKEHR(STUB)	49,4%	69,9%	0,0%	0,1%	12,7%
BLOOMBERG TRADING FACILITY B.V.(BTFE)	13,4%	0,6%	0,0%	12,5%	31,3%
TRADEGATE EXCHANGE - FREIVERKEHR(XGAT)	8,1%	5,9%	0,0%	0,0%	99,2%
TRADEWEB EU BV - MTF(TWEM)	8,0%	0,0%	0,0%	0,0%	33,3%
BOERSE STUTTGART - REGULIERTER MARKT(STUA)	5,6%	6,0%	0,0%	0,0%	2,9%

Class of Instrument	Debt instruments Money markets instruments				
Notification if < 1 average trade per business day in the previous year	Y				

Top five investment firms

Class of Instrument	Equities - Shares & Depository Receipts Tick size liquidity bands 5 and 6 (from 2000 trades per day)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
ICF BANK AG Wertpapierhandelsbank(529900E89HA1I45HB613)	89,8%	97,0%	0,0%	0,0%	2,3%
VIRTU EUROPE TRADING LIMITED(213800EEC95PRUCEUP63)	8,9%	2,7%	0,0%	0,2%	3,6%
UBS Europe SE(5299007QVIQ7I064NX37)	1,3%	0,3%	0,0%	0,0%	0,9%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%

Class of Instrument	Equities - Shares & Depository Receipts Tick size liquidity bands 3 and 4 (from 80 to 1999 trades per day)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
ICF BANK AG Wertpapierhandelsbank(529900E89HA1I45HB613)	93,6%	97,0%	0,0%	0,1%	4,1%
VIRTU EUROPE TRADING LIMITED(213800EEC95PRUCEUP63)	6,4%	3,0%	0,0%	0,0%	7,9%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%

Class of Instrument	Equities - Shares & Depository Receipts Tick size liquidity band 1 and 2 (from 0 to 79 trades per day)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
ICF BANK AG Wertpapierhandelsbank(529900E89HA1I45HB613)	83,8%	92,6%	0,0%	0,1%	21,5%
VIRTU EUROPE TRADING LIMITED(213800EEC95PRUCEUP63)	14,6%	5,3%	0,0%	0,0%	1,7%
UBS Europe SE(5299007QVIQ7I064NX37)	1,2%	0,4%	0,0%	0,0%	0,0%
Raiffeisen Bank International AG(9ZHRYM6F437SQJ6OUG95)	0,4%	1,7%	0,0%	0,0%	100,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%

Class of Instrument	Debt instruments Bonds				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Landesbank Hessen-Thüringen Girozentrale(DIZES5CF05K3I5R58746)	26,3%	6,1%	0,0%	0,0%	0,0%
Erste Group Bank AG(PQOH26KWDF7CG10L6792)	22,3%	7,6%	0,0%	0,0%	0,0%
Landesbank Baden-Württemberg(B81CK4ESI35472RHJ606)	21,5%	7,6%	0,0%	0,0%	20,0%
GOLDMAN SACHS INTERNATIONAL(W22LROWP2IHZNBB6K528)	12,7%	7,6%	0,0%	0,0%	0,0%
CREDIT SUISSE BANK (EUROPE), S.A.(959800TMGPWX7NYM4R72)	5,3%	33,3%	0,0%	0,0%	0,0%

Class of Instrument	Debt instruments Money markets instruments				
Notification if < 1 average trade per business day in the previous year	Y				

Top five execution venues

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BLOOMBERG TRADING FACILITY B.V.(BTFE)	75,1%	4,2%	0,0%	0,0%	33,3%
OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS(XOFF)	11,2%	9,9%	0,0%	14,3%	14,3%
BOERSE FRANKFURT - FREIVERKEHR(FRAB)	9,1%	23,9%	0,0%	0,0%	100,0%
BOERSE STUTTGART - FREIVERKEHR(STUB)	4,6%	62,0%	0,0%	0,0%	54,5%
()	0,0%	0,0%	0,0%	0,0%	0,0%

Top five investment firms

Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Boerse Stuttgart cats GmbH(529900TW3YXY9C6T1G09)	100,0%	100,0%	0,0%	0,0%	100,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%

Class of Instrument	Interest rates derivatives Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Interest rates derivatives Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Interest rates derivatives Swaps, forwards, and other interest rates derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Interest rates derivatives Swaps, forwards, and other interest rates derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Top five execution venues

Class of Instrument	Credit derivatives Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Credit derivatives Other credit derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Currency derivatives Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Currency derivatives Swaps, forwards, and other currency derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Structured finance instruments				
Notification if < 1 average trade per business day in the previous year	Y				

Top five investment firms

Class of Instrument	Credit derivatives Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Credit derivatives Other credit derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Currency derivatives Futures and options admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Currency derivatives Swaps, forwards, and other currency derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Structured finance instruments				
Notification if < 1 average trade per business day in the previous year	Y				

Top five execution venues

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Top five investment firms

Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Equity derivatives Options and futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
EUREX DEUTSCHLAND(XEUR)	100,0%	100,0%	79,5%	19,7%	100,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%

Class of Instrument	Equity derivatives Options and futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Top five execution venues

Class of Instrument	Equity derivatives Swaps and other equity derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETRA - REGULIERTER MARKT(XETA)	74,6%	73,3%	6,1%	92,8%	9,8%
BOERSE STUTTGART - FREIVERKEHR(STUB)	13,2%	7,8%	0,0%	1,6%	57,8%
BOERSE FRANKFURT - FREIVERKEHR(FRAB)	5,2%	14,5%	0,0%	0,0%	98,8%
TRADEGATE EXCHANGE - FREIVERKEHR(XGAT)	3,7%	3,1%	0,0%	1,3%	86,7%
BOERSE FRANKFURT - REGULIERTER MARKT(FRAA)	1,5%	0,5%	0,0%	0,0%	100,0%

Class of Instrument	Securitized Derivatives Warrants and Certificate Derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
BOERSE STUTTGART - FREIVERKEHR(STUB)	52,5%	37,5%	0,6%	3,5%	72,4%
BOERSE FRANKFURT - FREIVERKEHR(FRAB)	47,4%	61,8%	0,2%	2,0%	81,4%
OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS(XOFF)	0,0%	0,4%	0,0%	0,0%	0,0%
BOERSE HAMBURG - FREIVERKEHR(HAMB)	0,0%	0,2%	0,0%	0,0%	42,9%
XETRA - REGULIERTER MARKT(XETA)	0,0%	0,0%	100,0%	0,0%	100,0%

Class of Instrument	Securitized Derivatives Other securitized derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Commodities derivatives and emission allowances derivatives Options and futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Commodities derivatives and emission allowances derivatives Other commodities derivatives and emission allowances derivatives				
Notification if < 1 average trade per business day in the previous year	Y				

Top five investment firms

Class of Instrument	Equity derivatives Swaps and other equity derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Flow Traders B.V.(549300CLJ19XDH12XV51)	99,4%	95,0%	0,0%	0,0%	0,0%
Boerse Stuttgart cats GmbH(529900TW3YXY9C6T1G09)	0,6%	5,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%

Class of Instrument	Securitized Derivatives Warrants and Certificate Derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Boerse Stuttgart cats GmbH(529900TW3YXY9C6T1G09)	89,8%	62,5%	0,0%	0,0%	60,0%
ICF BANK AG Wertpapierhandelsbank(529900E89HA1145HB613)	10,2%	37,5%	0,0%	0,0%	16,7%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%
()	0,0%	0,0%	0,0%	0,0%	0,0%

Class of Instrument	Securitized Derivatives Other securitized derivatives				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Commodities derivatives and emission allowances derivatives Options and futures admitted to trading on a trading venue				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Commodities derivatives and emission allowances derivatives Other commodities derivatives and emission allowances derivatives				
Notification if < 1 average trade per business day in the previous year	Y				

Top five execution venues

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Top five investment firms

Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Top five execution venues

Class of Instrument	Contracts for difference				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
XETRA - REGULIERTER MARKT(XETA)	76,0%	76,0%	12,7%	85,7%	8,4%
BOERSE STUTTGART - FREIVERKEHR(STUB)	12,9%	7,2%	0,0%	0,4%	84,8%
TRADEGATE EXCHANGE - FREIVERKEHR(XGAT)	7,1%	11,8%	0,3%	0,6%	95,4%
BOERSE FRANKFURT - FREIVERKEHR(FRAB)	1,8%	3,2%	0,0%	0,0%	99,0%
BOERSE DUESSELDORF - FREIVERKEHR(DUSB)	0,7%	0,3%	0,0%	0,0%	90,2%

Class of Instrument	Emission allowances				
Notification if < 1 average trade per business day in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Other instruments

Top five investment firms

Class of Instrument	Contracts for difference				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
JANE STREET FINANCIAL LIMITED(549300ZHEHX8M31RP142)	35,4%	26,9%	0,0%	1,1%	7,6%
Flow Traders B.V.(549300CLJ9XDH12XV51)	33,7%	18,7%	0,0%	3,1%	12,5%
ICF BANK AG Wertpapierhandelsbank(529900E89HA1145HB613)	23,8%	42,7%	0,0%	0,0%	41,1%
Optiver V.O.F.(7245009KRYSAIB2QCC29)	3,9%	6,7%	0,0%	0,0%	26,1%
SOCIETE GENERALE(O2RNE8IBXP4R0TD8PU41)	2,8%	4,7%	0,0%	0,0%	25,0%

Class of Instrument	Emission allowances				
Notification if < 1 average trade per business day in the previous year	Y				
Top five investment firms ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Other instruments

