

## **Equities | Shares & Depositary Receipts**

Class of Instrument	Equities   Shares & Depositary Receipts				
Notification if < 1 average trade per business day in the previous year	No				
Top five executing brokers 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
Credit Suisse Bank (Europe) S.A. 959800TMGPWX7NYM4R72	20.51%	18.47%	-	-	-
Morgan Stanley Europe SE 54930056FHWP7GIWYY08	19.40%	20.95%	-	-	-
Goldman Sachs Bank Europe SE 959800TMGPWX7NYM4R72	18.71%	24.67%	-	-	-
Barclays Bank Ireland plc 2G5BKIC2CB69PRJH1W31	6.57%	9.21%	-	-	-
Virtu ITG Europe Limited 213800EEC95PRUCEUP63	4.12%	6.66%	-	-	-

## **Debt Instruments**

Class of Instrument	Debt Instruments				
Notification if < 1 average trade per business day in the previous year	Yes				
Top five executing brokers 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
BNP Paribas S.A. R0MUWSFPU8MPRO8K5P83	35.93%	16.67%	-	-	-
ING Bank N.V. 3TK20IVIUJ8J3ZU0QE75	18.06%	16.67%	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

## **Exchange Traded Products**

Class of Instrument	Exchange Traded Products				
Notification if < 1 average trade per business day in the previous year	Yes				
Top five executing brokers 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 Netherlands B.V. 549300AE0DWETJDYFB29	59.51%	27.83%	-	-	-
Flow Traders B.V. 549300CLJI9XDH12XV51	13.06%	8.26%	-	-	-
Susquehanna International Sec. Ltd. 635400IAV22ZOU1NFS89	8.51%	6.09%	-	-	-
BNP Paribas S.A. R0MUWSFPU8MPRO8K5P83	1.16%	2.61%	-	-	-
DRW Europe B.V. 5493005Q760M4WJ8ZP07	1.04%	6.09%	-	-	-

## Other Instruments | listed funds

Class of Instrument	Other Instruments   listed funds				
Notification if < 1 average trade per business day in the previous year	No				
Top five executing brokers 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
Barclays Bank Ireland plc 2G5BKIC2CB69PRJH1W31	1.02%	11.57%	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-