## TOP 5 Initial Report for the Financial Year 202

TOP 5 Initial Report for the Fin	ancial Year 2020				
Class of Instrument Client Classification	Equities – Shares & Depositary Receipts - Retail Client	Tick size liquidity bands 5 and 6 (from 2000 trade:	s per day)		
Circii Ciazincation	TOTAL TRANSPORT				
Notification if < 1 average trade per business day in the previous					
year	n.a.				
Top five brokers ranked in terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of			
order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00 0,00
n.a. n.a.	0,00	0,00	0,00	0,00 0,00	0,00 0,00
[c	7	Tick size liquidity bands 5 and 6 (from 2000 trades			
Class of Instrument Client Classification Notification if < 1 average trade	Retail Client	· IIck size liquidity bands 5 and 6 (from 2000 trade:	s per day)-		
per business day in the previous year	no				
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) Tradegate	percentage of total in that class 40.55	total in that class 34.47	Percentage of passive orders 0.00	Percentage of aggressive orders 0.00	Percentage of directed orders 99.94
Hannover XETRA	23,62 19,58	24,83 16,79	0,00 15,57	0,00 66,91	5,01 97,05
Frankfurt Stuttgart	9,14 2,25	15,32 2,94	0,00 0,00	0,00	99,86 100,00
				•	,
Class of Instrument Client Classification	Equities – Shares & Depositary Receipts - Retail Client	Tick size liquidity bands 5 and 6 (from 2000 trade:	s per day)**		
Notification if < 1 average trade per business day in the previous					
year Top five execution venues ranked	no				
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 Hannover Tradegate	46,51 20,54 16.33	30,06 23,53 27,24	16,49 0,00 0.00	69,52 0,00 0.00	98,62 2,79 99.85
New York-NYSE Frankfurt	5,37 5,03	1,38 8,80	0,00 0,00 0,00	0,00 0,00 0,00	100,00 100,00
FIGURIUIC	5,05	0,00	0,00	0,00	100,00
Class of Instrument Client Classification	Equities – Shares & Depositary Receipts - Professional client	Tick size liquidity bands 5 and 6 (from 2000 trade:	s per day)		
Notification if < 1 average trade per business day in the previous	Trotegorial cheric				
year Top five brokers ranked in terms	n.a.	I			
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
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00 0,00	0,00	0,00 0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument		Tick size liquidity bands 5 and 6 (from 2000 trade:	s per day)*		
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous year	yes				
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) NY Nasdaq (SM)	percentage of total in that class 89,96	total in that class 50,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 100,00
Frankfurt n.a. n.a.	10,04 0,00 0,00	50,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	100,00 0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Fourties - Shares & Depositary Receipts -	Tick size liquidity bands 5 and 6 (from 2000 trade	per day)**		
Client Classification Notification if < 1 average trade	Professional client	The Asset Inquisity builds 5 und 6 (110111 2000 trade.	per duly		
per business day in the previous year	ves				
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) New York-NYSE	percentage of total in that class 49,49	total in that class 40,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 100,00
NY Nasdaq (SM) XETRA	38,20 12,31	30,00 30,00	0,00 0,00	0,00 100,00	100,00 100,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00 0,00
	-				
Class of Instrument Client Classification	Equities - Shares & depositary receipts - 1 Retail Client	Tick size liquidity bands 3 and 4 (from 80 to 1999 to	rades per day)		
Notification if < 1 average trade per business day in the previous					
year Top five brokers ranked in terms of trading volumes (descending	n.a.  Proportion of volume traded as a	Proportion of orders executed as percentage of			
of trading volumes (descending order) n.a.	proportion of volume traded as a percentage of total in that class 0,00	Proportion of orders executed as percentage of total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00 0,00 0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade	Equities - Shares & depositary receipts - Retail Client	Tick size liquidity bands 3 and 4 (from 80 to 1999 to	rades per day)*		
Notification if < 1 average trade per business day in the previous					
year Top five execution venues ranked	no				
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
Tradegate XETRA	35,27 28,06	37,27 17,45	0,00 26,17	0,00 63,90	99,45 98,48
Hannover Frankfurt	19,39 9,13	19,00 15,31	0,00 0,00	0,00	3,65 99,47
Stuttgart	2,55	3,75	0,00	0,00	99,46
Class of Instrument	Equities - Shares & depositary receipts -	Tick size liquidity bands 3 and 4 (from 80 to 1999 to	rades per day)**		
Client Classification Notification if < 1 average trade	Retail Client				
per business day in the previous year Top five execution venues ranked	no				
in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of	December of service 1	December of server's and a	Descention of diseased or 4
(descending order) XETRA	percentage of total in that class 46,33 24.72	26,30 38.72	Percentage of passive orders 25,59 0.00	Percentage of aggressive orders 66,75 0.00	Percentage of directed orders 98,94 98.03
Tradegate Hannover Zürich	24,72 10,30 5.68	38,72 12,91 4.37	0,00	0,00	2,69 100.00

	<b>-</b>				
Class of Instrument Client Classification Notification if < 1 average trade	Equities - Shares & depositary receipts Professional client	-Tick size liquidity bands 3 and 4 (from 80 to 1999 tra	ides per day)		
per business day in the previous year					
Top five brokers ranked in terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of			
order)	percentage of total in that class	total in that class 0,00	Percentage of passive orders	Percentage of aggressive orders P	ercentage of directed orders
n.a. n.a.	0,00 0,00 0,00	0,00	0,00 0,00 0,00	0,00	0,00 0,00
n.a.	0,00	0,00	0,00	0,00 0,00 0,00	0,00 0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year	Equities - Shares & depositary receipts Professional client n.a.	- Tick size liquidity bands 3 and 4 (from 80 to 1999 tra	edes per day)*		
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	0,00	ercentage of directed orders 0,00
n.a.	0,00	0,00	0,00 0,00	0,00	0,00 0,00
n.a.	0,00	0,00	0,00 0,00	0,00	0,00 0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Equities - Shares & depositary receipts Professional client yes	Tick size liquidity bands 3 and 4 (from 80 to 1999 tra	odes per day)**		
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 P	ercentage of directed orders
XETRA n.a.	100,00	100,00	0,00	100,00	100,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms	Retail Client	Tick size liquidity bands 1 and 2 (from 0 to 79 trades	per day)		
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 P	ercentage of directed orders
n.a. n.a.	0,00	0,00	0,00	0,00	0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
	_				
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Equities - Shares & depositary receipts Retail Client	- Tick size liquidity bands 1 and 2 (from 0 to 79 trades	per day)*		
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 P	ercentage of directed orders
Tradegate XETRA	53,19	40,60	0,00	0,00	97,11
Frankfurt	16,24 10,19	13,92 18,56	28,46 0,00 0,00	61,99 0,00	93,07 93,96
Hamburg Stuttgart	5,14 3,58	8,42 5,71	0,00	0,00	5,57 93,15
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	Equities - Shares & depositary receipts Retail Client  no  Proportion of volume traded as a percentage of total in that class	Tick size liquidity bands 1 and 2 (from 0 to 79 trades  Proportion of orders executed as percentage of total in that class	per day)** Percentage of passive orders	Percentage of aggressive orders P	ercentage of directed orders
Tradegate New York-NYSE	31,89 26,69	44,33 4,63	0,00	0,00	97,56 100,00
XETRA Frankfurt	15,02 6,37	12,71 12,12	14,73 0,00	72,87 0,00	94,57 88,62
NY Nasdaq (SM)	4,16	1,67	0,00	0,00	100,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms	Equities - Shares & depositary receipts Professional client n.a.	Tick size liquidity bands 1 and 2 (from 0 to 79 trades	per day)		
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 P	ercentage of directed orders
Landesbank Baden-Württemberg (B81CK4ESI35472RHJ606)	99,16	99,16	n.a.	n.a.	100,00
Warburg (MZI1VDH2BQLFZGLQD060)	0,84	0,84	n.a.	n.a.	100,00
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Equities - Shares & depositary receipts Professional client n.a.	Tick size liquidity bands 1 and 2 (from 0 to 79 trades	per day)*		
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 P	ercentage of directed orders
	,	0,00	0,00	0,00 0,00	0,00 0,00
n.a. n.a.	0,00	0.00		0,00	0.00
n.a. n.a. n.a.	0,00	0,00	0,00		
n.a. n.a.	0,00		0,00 0,00 0,00	0,00	0,00 0,00
n.a. n.a. n.a. n.a. n.a. n.a. class of instrument Client Classification Notification of < 1 average trade per business day in the previous year Top five execution venues ranked	0,00 0,00 0,00 0,00 0,00 0,00 Professional client	0,00 0,00 0,00 0,00	0,00 0,00	0,00	0,00
n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Equities - Shares & depositary receipts Professional client n.a. Proportion of volume traded as a	0,00 0,00 0,00 1. Tick size liquidity bands 1 and 2 (from 0 to 79 trades  Proportion of orders executed as percentage of total in that class	0.00 0.00 0.00 per day)**	0,00 0,00 Percentage of aggressive orders	0,00 0,00 0,00 ercentage of directed orders
n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00  Tick size liquidity bands 1 and 2 (from 0 to 79 trades)  Proportion of orders executed as percentage of total in that class 0,00 0,00	0.00 0.00 0.00 .per day)** Percentage of passive orders 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 ercentage of directed orders 0,00 0,00
n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.	0,00 0,00 0,00 0,00 0,00 Equities - Shares & depositary receipts Professional client n.a. Proportion of volume traded as a percentage of total in that class	0,00 0,00 0,00 0,00 Tick size liquidity bands 1 and 2 (from 0 to 79 trades	0.00 0.00 .per day)**  Percentage of passive orders 0.00	0,00 0,00 0,00 Percentage of aggressive orders 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00

Class of instrument Client Classification Notification if < 1 average trade Notification if < 3 average trade Notification if < 3 average trade year To fine the violate ranked in terms of trading volumes (descending order) n.a. n.a. n.a. Class of matrument Client Classification	Debt instruments - Bonds Retail Client n.a.				
Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms of trading volumes (descending order) n.a. n.a. n.a.	n.a.				
year Top five brokers ranked in terms of trading volumes (descending order) n.a. n.a. n.a. n.a. n.a. (Lass of instrument	n.a.				
order) n.a. n.a. n.a. n.a. n.a. Class of instrument					
n.a. n.a. n.a. Class of instrument	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
n.a. n.a. Class of instrument	0,00	0,00	0,00 0,00	0,00 0,00	0,00
Class of Instrument	0,00	0,00	0,00	0,00 0,00	0,00
Class of Instrument	0,00	0,00	0,00	0,00	0,00
	Debt instruments - Bonds*				
Notification if < 1 average trade	Retail Client				
per business day in the previous year	no				
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
Stuttgart Hannover	37,81 25,60	27,97 32,03	0,00 0,00	0,00 0,00	97,20 50,20
München Frankfurt	15,04 8,39	8,50 13,73	0,00	0,00	100,00 99,05
Düsseldorf	4,16	2,88	0,00	0,00	13,64
Class of Instrument	Debt instruments - Bonds**				
Client Classification  Notification if < 1 average trade	Retail Client				
per business day in the previous year					
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) Stuttgart	percentage of total in that class 43.86	total in that class 26.83	Percentage of passive orders 0.00	Percentage of aggressive orders 0.00	Percentage of directed orders 99.09
München Frankfurt	30,10 13,47	25,61 13,17	0,00	0,00	100,00 87,04
Hannover Düsseldorf	6,27 3,68	22,44 4,15	0,00	0,00	73,91 47,06
	-,,	9	-,	-,	,
Class of Instrument	Debt instruments - Bonds Professional client				
Client Classification Notification if < 1 average trade per business day in the previous	. ro-colonal circiic				
per business day in the previous year Top five brokers ranked in terms	n.a.				
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
n.a. n.a.	0,00 0,00	0,00	0,00 0,00	0,00 0,00	0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
-	1				
Class of Instrument Client Classification	Debt instruments - Bonds* Professional client				
Notification if < 1 average trade per business day in the previous					
year Top five execution venues ranked	yes				
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
München ICMA	38,12 30,87	32,73 17,27	0,00 0,00	0,00 0,00	100,00 100,00
Stuttgart Tradegate	16,02 6,15	31,82 5,45	0,00 0,00	0,00 0,00	97,14 83,33
Bloomberg Trading Facility	3,16	3,64	0,00	100,00	100,00
Class of Instrument	Debt instruments - Bonds**				
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous year	yes				
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) Stuttgart	percentage of total in that class 49,81	total in that class 50,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 100,00
München Tradegate	33,49 16,70	25,00 25,00	0,00	0,00	100,00 100,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.				·	· ·
n.a.					
n.a.	Debt instruments - Money markets ins Retail Client	ruments			
n.a. Class of Instrument	Retail Client	rruments			
n.a.  Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms	Retail Client n.a.				
n.a.  Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year	Retail Client  n.a.  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
n.a.  Class of instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms of trading volumes (descending	Retail Client n.a.		Percentage of passive orders 0,00 0,00	Percentage of aggressive orders 0,00 0,00	Percentage of directed orders 0,00 0,00
n.a.  Class of instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms of trading volumes (descending order) n.a.	n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00	Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
n.a.  Class of instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms of trading volumes (descending order) n.a.	n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00	Proportion of orders executed as percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
n.a. Class of instrument Clark Cassification Clark Cassification Conformation of a leverage trade- special control of the previous part part of trading volumes (descending order) n.a. n.a. n.a. n.a. n.a. n.a. n.a.	n.a.  Proportion of volume traded as a percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Proportion of orders executed as percentage of total in that class 0,000	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
n.a.  Class of instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms of trading volumes (descending order) n.a.	n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00	Proportion of orders executed as percentage of total in that class 0,000	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
n.a.  Class of Instrument Client Casification Client Casification Confidence of a 1 average trade per business day in the previous of trading volumes (descending order n.a. n.a. n.a. n.a. n.a. Class of Instrument Client Casification For Exercise For Exer	n.a.  Proportion of volume traded as a percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Proportion of orders executed as percentage of total in that class 0,000	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
n.a.  Class of instruments  Control Countries  (Control Countries)  (Con	n.a.  Proportion of volume traded as a percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Proportion of orders executed as percentage of total in that class 0,000	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
n.a. Class of Instrument C	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00
n.a.  Class of instrument Class of instrument Class of control (14 across to the previous year For five five five five five five five five	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class on the control of the c	Proportion of orders executed as percentage of total in that class 0.00	0,00 0,00 0,00 0,00 0,00 0,00 Percentage of passive orders 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00
n.s.  Class of instrument Cover Consideration Cover Consideration Cover Consideration Cover Consideration Cover Consideration Cover	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class on the class of total in that class of total in that class on the class of the class of total in that class on the class of the cl	Proportion of orders executed as percentage of total in that class	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a.  Class of instrument	Retail Client  n.a. Proportion of volume traded as a percentage of total in that class a percentage of total in that class (n.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Proportion of orders executed as percentage of total in that class  0.00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Percentage of aggressive orders 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a.  Class of instrument  Class of instrument  Notification of ± 1 werage trade  position of trading volumes (descending  order)  A. A.  A.  A.  A.  A.  Class of instrument  Class continuent  Control of trade order  position of trade  probabilities day in the previous  position of trade order  position	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class on the class of total in the class of total in that class on the class of total in that class on the class of total in that class on the class of total in that class on the class of total in that class on the class of total in that class on the class of the class	Proportion of orders executed as percentage of total in that class 0,00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
Class of Instrument Class of Instrument Class of Instrument Count Classification Notification of <2 average trade Notification of <2 average trade Type Tourises day in the previous Year Of trading volumes (descending No. A.	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class on the control of the c	Proportion of orders executed as percentage of total in that class 0,00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
Class of instrument Class	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class on the class of total in the class of total in that class on the class of total in that class on the class of total in that class on the class of total in that class on the class of total in that class on the class of total in that class on the class of the class	Proportion of orders executed as percentage of total in that class 0,00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a.  Class of instrument Class of instrument Class of instrument Count Classification (Collection of < 3 worage trade probatics days in the previous year (Tog five brokers ranked in terms of trading volumes (descending order)  A. A	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class on the control of the c	Proportion of orders executed as percentage of total in that class 0,00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
Class of instruments Class of instruments Control Countries Control Cont	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class on the control of the control of total in that class on the control of the control o	Proportion of orders executed as percentage of total in that class	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
Class of Instrument Client Classification Notification of < 1 average trade Notification of < 2 average trade Notification of < 3 average trade The product of < 3 average trade Notification of < 3 average trade Position of trading volumes Client Classification Notification of < 3 average trade Position of trading volumes Notification of < 3 average trade Position of trading volumes Notification of < 3 average trade Notification of < 3 average t	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class on the control of the control of total in that class on the control of total in that class on the control of total in that class on the control of the	Proportion of orders executed as percentage of total in that class 0,000	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0

Class of Instrument	Debt instruments - Money markets ins	truments			
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous year Top five brokers ranked in terms	n.a.		T		
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
n.a. n.a.	0,00 0,00	0,00	0,00 0,00	0,00 0,00	0,00
n.a. n.a.	00,0 00,0	0,00	0,00 0,00	0,00 0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification	Debt instruments - Money markets ins Professional client	truments*			
Notification if < 1 average trade per business day in the previous					
year Top five execution venues ranked	n.a.				
in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class 0,00	Proportion of orders executed as percentage of total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00 0,00 0,00
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00
	_	•		•	•
Class of Instrument Client Classification	Debt instruments - Money markets ins Professional client	truments**			
Notification if < 1 average trade per business day in the previous					
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order)	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a.	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00
n.a. n.a.	0,00	0,00 0,00	0,00 0,00	0,00	0,00 0,00
Class of Instrument	Interest rate designations fortune	options admitted to trading on a trading venue			
Class of Instrument Client Classification Notification if < 1 average trade	Retail Client	Species summitted to trading on a trading venue			
per business day in the previous year	n.a.				
Top five brokers ranked in terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of			
order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a. n.a.	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Interest rate derivatives - Futures and	options admitted to trading on a trading venue*			
Client Classification Notification if < 1 average trade	Retail Client				
per business day in the previous year	n.a.				
		·			
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders	Percentage of directed orders 0,00 0,00
in terms of trading volumes	percentage of total in that class	total in that class	Percentage of passive orders 0,00 0,00 0,00 0,00	Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00	Percentage of directed orders. 0.00 0.00 0.00 0.00
in terms of trading volumes	0,00 0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
in terms of trading volumes (descending order) n.a. n.a. n.a. n.a. n.a. n.a. n.a. c.a. n.a. n	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  1,000  1	total in that class 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
in terms of trading volumes (descending order) n.a. n.a. n.a. n.a. n.a. n.a. Class of instrument Client Classification Notification if 2. a verage trade	percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00	total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
in terms of trading volumes (descending order) n.a. n.a. n.a. n.a. n.a. Class of Instrument Client Classification	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  1,000  1	total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
in terms of trading volumes (descending order) n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and i Retail Client  a.a.  Proportion of volume traded as a  percentage of total in that class	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
In terms of trading volumes (disseconding order)  7.3. 7.3. 7.3. 7.3. 7.3. 7.3. 7.3. 7.	percentage of total in that class  0.00  0.00  0.00  0.00  0.00  0.00  Interest rate derivatives - Futures and Retail Client  n.a.  Proportion of volume traded as a percentage of soal in that class  0.00  0.00  0.00	total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  poptions admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class  0,00  0,00  0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
in terms of trading volumes disconning order) n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  sterrest rate derivatives - Futures and Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00	total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Proportion admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class  0,00  0,00  0,00  0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
in terms of trading volumes disconning order) n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00	total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
In terms of trading volumes (descending order) 1.a. 1. 1.a. 1.a. 1.a. 1.a. 1.a. 1.a. 1	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and Retail Client  8.a.  Proportion of volume traded as a percentage of total in that class a percentage of total in that class  0,00  0,00  0,00  0,00  0,00	total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Proportion admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class  0,00  0,00  0,00  0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
In terms of trading volumes (descending order) 1.a. 1. 1.a. 1.a. 1.a. 1.a. 1.a. 1.a. 1	percentage of total in that class  0.00  0.00  0.00  0.00  0.00  0.00  Neterest rate derivatives - Futures and Retal Client  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00	total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Proportion of orders executed as percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
in terms of trading volumes (discusseding order)  n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a	percentage of total in that class  0.00  0.00  0.00  0.00  0.00  Neterest rate derivatives - Futures and Retal Client  n.a.  Proportion of volume traded as a percentage of total in that class  0.00	total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Proportion of orders executed as percentage of total in that class  0,00  0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
In terms of trading volumes (descending order)  A. A	percentage of total in that class  0.00  0.00  0.00  0.00  0.00  0.00  Neterest rate derivatives - Futures and Retal Client  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00	total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Proportion of orders executed as percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
in terms of trading volumes (descending order)  Ca.  Ca.  Ca.  Ca.  Ca.  Ca.  Ca.  Ca	percentage of total in that class  0.00  0.00  0.00  0.00  0.00  Interest rate derivatives - Futures and Retal Client  0.00  0.00  No.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.70  0.70  0.70  Interest rate derivatives - Futures and Retal Client  0.00	total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Proportion of orders executed as percentage of total in that class  0,00  0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
In terms of trading volumes (descending order)  1-a. 1-a. 1-a. 1-a. 1-a. 1-a. 1-a. 1-a	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  o,00  o,00  horizontal client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  o,00	total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
In terms of trading volumes (descending order)  1.a. 1.b. 1.a. 1.b. 1.a. 1.b. 1.a. 1.b. 1.a. 1.a	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and Retal Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00  professional client  n.a.  Proportion of volume traded as a percentage of total in that class  percentage of total in that class  0,00	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
in terms of trading volumes (descending order)  6.a.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and Retal Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00  professional client  n.a.  Proportion of volume traded as a percentage of total in that class  percentage of total in that class  0,00	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00  0.00  Proportion of orders executed as percentage of total in that class  0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
in terms of trading volumes (descending order)  1.a. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and Retail Client  1.a.  1.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  interest rate derivatives - Futures and rofesional client  1.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,0	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
in terms of trading volumes (descending order)  1.a. 1.b. 1.a. 1.b. 1.a. 1.b. 1.a. 1.b. 1.a. 1.b. 1.a. 1.b. 1.a. 1.a	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and Retal Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00  beter est rate derivatives - Futures and rofessional client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of aggressive orders  0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
in terms of trading volumes (discounting order)  1 1 1 1 1 1 1 1.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and record of total in that class  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  volume traded on the class of total in that class  percentage of total in that class  percentage of total in that class  0,00  0,00  0,00  0,00  interest rate derivatives - Futures and representation of volume traded as a percentage of total in that class  0,00	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  O,00  Proportion of orders executed as percentage of total in that class  O,00	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
in terms of trading volumes (discusseding order)  C.a.  A.A.  A.A.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and receivable of total in that class  0,00  0,00  Interest rate derivatives - Futures and receivable of total in that class  0,00	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Doo 0.00  Proportion of orders executed as percentage of total in that class  Doo 0.00  Proportion of orders executed as percentage of total in that class  Doo 0.00  Proportion of orders executed as percentage of total in that class  Doo 0.00  Proportion of orders executed as percentage of total in that class  Doo 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of aggressive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00   0,00
in terms of trading volumes (descending order)  1.a. 1.b. 1.a. 1.b. 1.a. 1.a. 1.a. 1.a	percentage of total in that class  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Interest rate derivatives - Futures and Retal Client  0.00	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of aggressive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00
in terms of trading volumes (descending order)  1.a. 1.a. 1.a. 1.a. 1.a. 1.a. 1.a. 1.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and recording to the foliation of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and recording to the foliation of volume traded as a percentage of total in that class  Proportion of volume traded as a percentage of total in that class  0,00  0,0	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00	Percentage of passive orders  0,00	Percentage of aggressive orders  Percentage of aggressive orders  Dool 0,00  Percentage of aggressive orders  Percentage of aggressive orders  Dool 0,00  Percentage of aggressive orders  Percentage of aggressive orders  Dool 0,00	0,00   0,00
in terms of trading volumes (descending order)  1.a. 1.a. 1.a. 1.a. 1.a. 1.a. 1.a. 1.	percentage of total in that class  0.00	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00	Percentage of passive orders  0,00	Percentage of aggressive orders  Percentage of aggressive orders  Dool 0,00  Percentage of aggressive orders  Percentage of aggressive orders  Dool 0,00  Percentage of aggressive orders  Percentage of aggressive orders  Dool 0,00	0,00   0,00
in terms of trading volumes (discounting order)  1. a. 1. a.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and recording to the foliation of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and recording to the foliation of volume traded as a percentage of total in that class  Proportion of volume traded as a percentage of total in that class  0,00  0,0	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00	Percentage of passive orders  0,00	Percentage of aggressive orders  Percentage of aggressive orders  Dool 0,00  Percentage of aggressive orders  Percentage of aggressive orders  Dool 0,00  Percentage of aggressive orders  Percentage of aggressive orders  Dool 0,00	0,00   0,00
in terms of trading volumes (descending order)  1.a. 1.a. 1.a. 1.a. 1.a. 1.a. 1.a. 1.	percentage of total in that class  0.00  0.00  0.00  0.00  0.00  0.00  Interest rate derivatives - Futures and Retal Client  0.00  0	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O.00  Proportion of orders executed as percentage of total in that class  O.00  Proportion of orders executed as percentage of total in that class  O.00  Proportion of orders executed as percentage of total in that class  O.00  Proportion of orders executed as percentage of total in that class  O.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of aggressive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00
in terms of trading volumes (descending order)  1.2. 1.3. 1.3. 1.3. 1.3. 1.3. 1.3. 1.3	percentage of total in that class  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Interest rate derivatives - Futures and Retal Client  0.00  0	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  O,00  O,00  O,00  O,00  O,00  O,00  O,00  O,00  Proportion of orders executed as percentage of total in that class  O,00  O,00	Percentage of passive orders  Out	Percentage of aggressive orders  Percentage of aggressive orders  ODD  ODD  Percentage of aggressive orders  ODD  ODD  ODD  ODD  ODD  ODD  ODD  O	0,00
in terms of trading volumes (descending order)  1.a. 1.b. 1.b. 1.b. 1.b. 1.b. 1.b. 1.b	percentage of total in that class  0.00	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  O,00	0,00	Percentage of aggressive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00
in terms of trading volumes (descending order)	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Interest rate derivatives - Futures and Retal Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00	proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  O,	0.00	Percentage of aggressive orders  O,00  O,00	0,00

lient Classification	Retail Client	ards and other interest rate derivatives			
otification if < 1 average trade er business day in the previous					
ar p five brokers ranked in terms trading volumes (descending	n.a.  Proportion of volume traded as a	Proportion of orders executed as percentage of			
der)	percentage of total in that class	total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
l.	0,00	0,00	0,00 0,00	0,00	0,00
L.	0,00	0,00	0,00	0,00	0,00
L.	0,00	0,00	0,00	0,00	0,00
ass of Instrument ient Classification otification if < 1 average trade or business day in the previous ar	Interest rate derivatives - Swaps, forwa Retail Client yes	rds and other interest rate derivatives*			
op five execution venues ranked terms of trading volumes escending 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
В	100,00	100,00	0,00	100,00	100,00
i.	0,00	0,00	0,00	0,00	0,00
i. i.	0,00	0,00	0,00	0,00	0,00 0,00
	T	ords and other interest rate derivatives**			
ass of Instrument ient Classification otification if < 1 average trade or business day in the previous ar	Retail Client	itus and utiler initerest rate deiwadves			
p five execution venues ranked terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
escending order)	percentage of total in that class	total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
a. a.	0,00	0,00	0,00	0,00	0,00 0,00
l.	0,00	0,00	0,00	0,00	0,00
i.	0,00	0,00	0,00	0,00	0,00
ent Classification tification if < 1 average trade r business day in the previous	Interest rate derivatives - Swaps, forwa Professional client	and other interest rate derivatives			
p five brokers ranked in terms	n.a.	Department of orders a second second			
trading volumes (descending der)	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
l.	0,00	0,00	0,00	0,00	0,00
L.	0,00	0,00	0,00	0,00	0,00
	0,00	0,00	0,00	0,00	0,00
tification if < 1 average trade ir business day in the previous ar p five execution venues ranked terms of trading volumes escending order)	yes  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
B i.	100,00 0,00	100,00 0,00	0,00	100,00	100,00
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	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
a. ass of instrument ient Classification otification if < 1 average trade or business day in the previous	0,00	0,00	0,00	0,00	0,00
ass of Instrument ient Classification otification if < 1 average trade or business day in the previous ear op five execution venues ranked terms of trading volumes	0.00 0.00 linterest rate derivatives - Swaps, forwa Professional client n.a. Proportion of volume traded as a	0.00 0.00 0.00 0.00 ondother interest rate derivatives**	0,00	0,00	0,00
ass of instrument sent Classification tiffication if < 1 average trade r business day in the previous ar p five execution venues ranked terms of trading volumes escending order) a.	0,00 0,00  Interest rate derivatives - Swaps, forwal Professional client n.a.  Proportion of volume traded as a percentage of total in that class	0.00 0,00 0,00 0,00 ords and other interest rate derivatives**  Proportion of orders executed as percentage of total in that class 0,00	0,00 0,00 0,00 0 0,00 0 0,00 0,00 0,00	0,00 0,00 0,00 0,00 Percentage of aggressive orders	0,00 0,00 Percentage of directed orders 0,00
iss of Instrument ent Classification tification if < 1 average trade r business day in the previous at at ent classification in the previous at ent classification in the control of the ent classification in the classification in the classification in the ent classification in the classification in the classification in the ent classification in the classification in the classification in the ent classification in the classification in the classification in the classification in the ent classification in the classification in	0,00 0,00 0,00 Interest rate derivatives - Swaps, forwa Professional client n.a. Proportion of volume traded as a percentage of total in that class	0.00 0.00 0.00 0.00 0.00 0.00  prds and other interest rate derivatives***  Proportion of orders executed as percentage of total in that class	0,00 0,00 Percentage of passive orders	0,00 0,00 0,00 0,00	0,00 0,00 Percentage of directed orders
ass of instrument ent Classification tification if < 1 average trade to business day in the previous ar five execution venues ranked terms of trading volumes scending order)	0,00 0,00 0,00 0,00 Interest rate derivatives - Swaps, forwal Professional client n.a. proportion of volume traded as a percentage of total in that class 0,00 0,00	0,00 0,000 ords and other interest rate derivatives**  Proportion of orders executed as percentage of total in that class 0,00 0,00	0,00 0,00 0,00 0 0,00 0,00 0,00 0,00 0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 Percentage of directed orders 0,00 0,00
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ss of instrument ent Classification age trade hardess and the previous  for the classification age trade hardess days in the previous  for the execution venues rained enterno of trading volumes conciding order)  ss of instrument ent Classification  enterno of trading volumes for the classification  in the previous  for the business day in the previous  for the business da	0,00 0,00 0,00 Interest rate derivatives - Swaps, foreity Profressional client n.a. n.a. Proportion of volume traded as a percentage of toda in that class 0,00 0,00 0,00 0,00 0,00 Credit derivatives - Futures and options Retail Client a. Proportion of volume traded as a	0,00 0,000 ords and other interest rate derivatives**  Proportion of orders executed as percentage of total in that class 0,00 0,000	Percentage of passive orders  0,00 0,00 0,00 0,00 0,00 0,00	Percentage of aggressive orders  0.00  0.00  Percentage of aggressive orders  0.00  0.00  0.00  0.00	0,00 0,00 0,00 Percentage of directed orders 0,00 0,00 0,00 0,00 0,00
ss of instrument ent Classification for a juverage trade fination of 1 a juverage trade fination of 1 a juverage trade fination of 1 a juverage trade fine trade of the provision for the execution venues rained seems of trading volumes conceiling order) seems of trading volumes seems of trading volumes seems of trading volumes seems of trading volumes to of instrument tent of instrument the provision of the provision fination of 2 a juverage trade to provision of the provision for the trades rained on terms trading volumes (descending tent)	0,00 0,00 0,00 Interest rate derivatives - Swaps, forwer profressional client n.a. Proportion of volume traded as a successage of total in that class 0,00 0,00 0,00 0,00 0,00 Coedit derivatives - Futures and options Retail Client n.a. Proportion of volume traded as a percentage of total in that class	0.00 0,000 ords and other interest rate derivatives**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
is of instrument int Clasification in the Clasification intification intificati	0,00 0,00 0,00 Interest rate derivatives - Swaps, forwal Professional client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 Coedit derivatives - Futures and option factal Client n.a. Proportion of volume traded as a percentage of total in that class	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00 0,00 0,00 0,00  Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of directed orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
ss of Instrument and Classification and Classification and Classification and Classification for the security of the provious for the security of the security	0,00 0,00 0,00  Interest rate derivatives - Swaps, forwer Professional client n.a.  Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00 0,000 ords and other interest rate derivatives**  Proportion of orders executed as percentage of total in that class 0,00 0,000	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.
as of instrument extended of the Commission exte	0,00 0,00 0,00 Interest rate derivatives - Swaps, forwal Professional client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 Credit derivatives - Futures and options Retail Client n.a. Proportion of volume traded as a percentage of total in that class	0,00 0,000 0,000 ords and other interest rate derivatives**  Proportion of orders executed as percentage of total in that class 0,00 0,000	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of aggressive orders  0.00	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.
as of instrument ere Gradienten er Gradiente	0,00 0,00 0,00  Interest rate derivatives - Swaps, forwer Professional client n.a. n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00 0,00 0,000 ords and other interest rate derivatives***  Proportion of orders executed as percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0.00  0.00  0.00  0.00  0.00  0.00  Percentage of directed orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
so of instrument int Classification int Classification int Classification int Classification into the provious for the provious for execution venues ranked erms of trading volumes scending order)  so of instrument ent Classification intification if 1 average trade business day in the previous for the provious f	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,000 ords and other interest rate derivatives**  Proportion of orders executed as percentage of total in that class 0,00 0,000	Percentage of passive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.
as of instrument ent Classification of 2 average trade inflication of 2 average trade inflication of 2 average trade in the submissed sky in the provious in a control of the submissed sky in the provious in as of instrument ent Classification in the submissed of the submissed sky in the previous in the submissed sky in the submissed sky in th	0,00  0,00  Interest rate derivatives - Swaps, forwar Profresional client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of aggressive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of directed orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
out Instrument and Classification (Iffaction 1 c 2 severage trade info Classification (Iffaction 1 c 2 severage trade info Classification (Iffaction 1 c 2 severage trade info of trading volumes cereding order)  so of Instrument and Classification (Iffaction of 1 c 1 severage trade business day in the previous and of the business and severage trade info trade in the severage trade to the severa	0,00 0,00 0,00 Interest rate derivatives - Swaps, forwal Professional client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 Credit derivatives - Futures and option Retail Client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of aggressive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of directed orders  0.00
as of instrument ere (Caudinose) ere Caudinose) ere caudinose da presenta caudinose ere caudinose da presenta caudinose es of instrument ere Claudinose) ere Caudinose ere Caudino	0,00 0,00 0,00 Interest rate derivatives - Swaps, forwer profressional client n.a. Proportion of volume traded as a secrentage of total in their class. 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of aggressive orders  0.00  0.00  Percentage of aggressive orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Percentage of aggressive orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00	Percentage of directed orders  0,00
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as of Instrument ent Classification ent Classification ent Classification ent Classification ent Classification ent Classification enter the class	D,00 D,00 Doternest rate derivatives - Swaps, forware Profresional client n.a. Proportion of volume traded as a percentage of social in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Percentage of aggressive orders  0.00	Percentage of directed orders  0.00

Class of Instrument	Credit derivatives - Futures and ontions	admitted to trading on a trading venue			
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous year	n.a.				
Top five brokers ranked in terms of trading volumes (descending	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of			
n.a. n.a.	0,00 0,00	total in that class 0,00 0,00	Percentage of passive orders 0,00 0,00	Percentage of aggressive orders 0,00 0,00	Percentage of directed orders 0,00 0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Credit derivatives - Futures and options	admitted to trading on a trading venue*			
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous year	n.a.				
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a. n.a.	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Credit derivatives - Futures and ontions	admitted to trading on a trading venue**			
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous year	n.a.				
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00 0,00	0,00	0,00 0,00	0,00 0,00
Class of Instrument	Credit derivatives - Other credit derivat	ives			
Client Classification Notification if < 1 average trade	Retail Client				
per business day in the previous year	n.a.				
Top five brokers ranked in terms of trading volumes (descending	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
order) n.a. n.a.	0,00	0,00	0,00 0.00	0,00 0.00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Credit derivatives - Other credit derivat	ives*			
Client Classification Notification if < 1 average trade	Retail Client				
per business day in the previous year	n.a.				
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order)	percentage of total in that class	total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00 0,00
	0,00	0,00	0,00	0,00	0,00
n.a. n.a. n.a.	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
n.a. n.a. n.a. Class of instrument Client Classification Notification if < 1 average trade	0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
n.a. n.a. n.a. n.a. Class of instrument Client Classification Notification if < 1 average trade per business day in the previous year	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
n.a. n.a. n.a. n.a. Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes	0.00 0.00 0.00 0.00 0.00 Credit derivatives - Other credit derivat Retail Client n.a. Proportion of volume traded as a	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
n.a. n.a. n.a. n.a. Class of Instrument Client Classification Notifization if 2. a perage trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) n.a.	0,00 0,00 0,00 0,00 0,00 Credit derivatives - Other credit derivat Retal Client  2.a. Proportion of volume traded as a percentage of total in that class	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 Percentage of aggressive orders 0,00	0,00 0,00 0,00 0,00 0,00 Percentage of directed orders
n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.	0,00 0,00 0,00 0,00 0,00 Credit derivatives - Other credit derivat Retail Client n.a. n.proportion of volume traded as a procentage of total in that class 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 Percentage of passive orders 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. n.a. n.a. n.a. class of instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) n.a. n.a.	0,00 0,00 0,00 0,00 0,00 0,00  Credit derivatives - Other credit derivat Retail Client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00	0,00 0,00 0,00 0,00 0,000 0,000  Proportion of orders executed as percentage of total in that class 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,000 0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 Percentage of aggressive orders 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. n.a. c.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of aggressive orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Percentage of aggressive orders	Percentage of directed orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00   0,00	0,00   0,00
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  DOO 0.00  DOO 0.00  Proportion of orders executed as percentage of total in that class  OO 0.00  Proportion of orders executed as percentage of total in that class  OO 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of aggressive orders  Percentage of aggressive orders  Ono  Ono  Ono  Percentage of aggressive orders  Ono  Ono  Percentage of aggressive orders  Ono  Ono  Ono  Ono  Ono  Ono  Ono  On	0,00   0,00
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  D.00	Percentage of passive orders  0.00	0,00   0,00	0,00   0,00
n.a. n.a. Class of instrument Client Classification (K. 1 average trade per business day in the previous value of the classification (K. 1 average trade per business day in the previous value of the client Classification (K. 1 average trade per business day in the previous value of the client Classification (K. 1 average trade per business day in the previous value of the client Classification (K. 1 average trade per business day in the previous value (K. 1 average trade per business day in the previous value (K. 1 average trade per business day in the previous value (K. 1 average trade per business day in the previous value) (K. 1 average trade per business day in the per business	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O.00	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of aggressive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of directed orders  0.00
n.a. n.a. Class of instrument Client Classification (< 1 average trade per business day in the previous reasons of the control	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  0,00	0,00	Percentage of aggressive orders  0.00	0,00
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  0,00	0,00	Percentage of aggressive orders  0.00	0,00
n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  0,00	0,00	Percentage of aggressive orders  0.00	0,00
n.a. n.a. Class of instrument Client Classification   4.1 average trade   1.2 client Classification   4.2 average trade   1.2 client Classification   4.3 average trade   1.3 average trade   1.3 client Classification   4.3 average trade   1.3 aver	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  0,00	0,00	Percentage of aggressive orders  0.00	0,00
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  O,00	Percentage of passive orders  0.00	Percentage of aggressive orders  0,00	0,00
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  D.00	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00	0,00
n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders secuted as percentage of total in that class    Proportion of orders secuted as percentage of total in that class   0,000   0,000     0	Percentage of passive orders  0.00  0.00  0.00  0.00  Percentage of passive orders  0.00	0,00   0,00	0,00
n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00   0,00	0,00

Class of Instrument	Currency derivatives - Futures and opti	ions admitted to trading on a trading venue			
Client Classification Notification if < 1 average trade	Retail Client	ons someted to desiring on a desiring vertice			
per business day in the previous year	n.a.				
Top five brokers ranked in terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of			
order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00 0,00	0,00	0,00 0,00	0,00 0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year	Currency derivatives - Futures and opti Retail Client	ions admitted to trading on a trading venue*			
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Currency derivatives - Futures and opti Retail Client n.a.	ions admitted to trading on a trading venue**			
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
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms	Professional client n.a.	ions admitted to trading on a trading venue			
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
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Currency derivatives - Futures and opti Professional client n.a. Proportion of volume traded as a	ons admitted to trading on a trading venue*  Proportion of orders executed as percentage of			
in terms of trading volumes (descending order)	percentage of total in that class	total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a. n.a.	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
Class of instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	Currency derivatives - Futures and opti Professional client  n.a.  Proportion of volume traded as a percentage of total in that class	ons admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms	0,00  Currency derivatives - Swaps, forwards Retail Client n.a.	0,00	0,00	0,00	0,00
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
n.a. n.a.	0,00 0,00	0,00 0,00	0,00 0,00	O,00 O,00	0,00 0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Currency derivatives - Swaps, forwards Retail Client yes	and other currency derivatives*			
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
NLB n.a.	100,00	100,00	0,00	100,00	100,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.  Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	0,00  Currency derivatives - Swaps, forwards Retail Client n.a.	0,00	0,00	0,00	0,00
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
n.a. n.a.	0,00	0,00	0,00	0,00	0,00 0,00
n.a. n.a.	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00

Class of Instrument Client Classification	Currency derivatives - Swaps, forward Professional client	and other currency derivatives			
Notification if < 1 average trade per business day in the previous					
year Top five brokers ranked in terms	n.a.		1		
of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of			
order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Currency derivatives - Swaps, forward	and other currency derivatives*			
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous year					
Top five execution venues ranked	yes				
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
NLB n.a.	100,00 0,00	100,00	0,00	100,00	100,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification	Currency derivatives - Swaps, forward Professional client	and other currency derivatives**			
Notification if < 1 average trade per business day in the previous					
year	n.a.				
Top five execution venues ranked n terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order)	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
1.8.	0,00	0,00	0,00	0,00	0,00
1.8.	0,00	0,00	0,00	0,00	0,00
1.8.	0,00	0,00	0,00	0,00	0,00
	10				
Class of Instrument Client Classification	Structured finance instruments Retail Client				
Notification if < 1 average trade per business day in the previous					
year	n.a.				
Top five brokers ranked in terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of			
order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
1.a.	0,00	0,00	0,00	0,00	0,00
1.3.	0,00	0,00	0,00	0,00	0,00
1.8.	0,00	0,00	0,00	0,00	0,00
Cl	Structured finance instruments*				
Class of Instrument Client Classification	Retail Client				
Notification if < 1 average trade					
per business day in the previous					
year	n.a.	-			
year Top five execution venues ranked in terms of trading volumes	n.a. Proportion of volume traded as a	Proportion of orders executed as percentage of			
year Top five execution venues ranked	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
year Top five execution venues ranked in terms of trading volumes	percentage of total in that class 0,00 0,00	total in that class	Percentage of passive orders 0,00 0,00 0,00	0,00	Percentage of directed orders 0,00 0,00 0,00
year Top five execution venues ranked in terms of trading volumes	percentage of total in that class 0,00 0,00 0,00 0,00 0,00	total in that class  0,00  0,00  0,00  0,00  0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
year Top five execution venues ranked in terms of trading volumes (descending order) n.a. n.a. n.a.	percentage of total in that class 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
year Top five execution venues ranked in terms of trading volumes idescending order) in.a.	percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 Structured finance instruments**	total in that class  0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
year Top five execution venues ranked in terms of trading volumes descending order) a. a. a. a. a. a. c.	percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00	total in that class  0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
year Top five execution venues ranked in terms of trading volumes idescending order) in.a.	percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 Structured finance instruments**	total in that class  0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
eyear  Top five execution venues ranked in terms of trading volumes (descending order)  1.3.  1.	percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 Structured finance instruments** Retail Client	total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
year Top five execution venues ranked in terms of trading volumes (detecteding order) In A.	percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 Structured finance instruments**	total in that class  0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
year Top five execution venues ranked in terms of trading volumes (detecteding order) n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class 0,00  0,00	total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
year Top five execution venues ranked in terms of trading volumes (descending order) n.a. n.a. n.a. n.a. n.a. n.a. first of instrument Class of instrument Client Classification Notification if < 1 werage trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00  Structured finance instruments** Retail Client  n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00	lotal in that class  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Proportion of orders executed as percentage of total in that class  0.00  0.00  0.00  0.00  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
year Top five execution venues ranked in terms of trading volumes (decemening order) In A.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  n.a.  Proportion of volume traded at a percentage of total in that class  0,00  0,00	Total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
eyear Top five execution venues ranked to training volumes detecteding order) A.A. A.A. A.A. A.A. A.A. A.A. A.A. A.	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 Structured finance instruments** Retail Client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00  0.00  0.00  0.00  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
year Top five execution venues ranked in terms of trading volumes (deciscending order)aa	percentage of total in that class  0,00 0,00 0,00 0,00 0,00  Structured finance instruments** Retail Client  n.a. percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 Structured finance instruments	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00  0.00  0.00  0.00  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
year  Top five execution venues ranked in terms of trading volumes (deciscending order) aa	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00  0.00  0.00  0.00  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
year Top five execution venues ranked no terms of trading volumes detecteding order) A.A. A.A. A.A. A.A. A.A. A.A. A.A. A.	percentage of total in that class  0,00 0,00 0,00 0,00 0,00  Structured finance instruments** Retail Client  n.a. percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 Structured finance instruments	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00  0.00  0.00  0.00  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
open for secución venues ranked na terms of trading volumes descending order)  1.3.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  5tructured finance instruments  Frofessional client  Structured finance instruments  Professional client	Proportion of orders executed as percentage of state in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
year  Top five execution venues ranked in terms of trading volumes (deciserability of the secution of the secu	percentage of total in that class  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  0,00  0,00  Structured finance instruments as a percentage of total in that class  0,00  0,00  0,00  0,00  5,00  0,00  7,00  8  Structured finance instruments  Professional client  A.B.  Proportion of volume traded as a percentage of total in that class	botal in that class  0,00  0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
organization of trading volumes decisioned in terms of trading volumes decisioned organization of trading volumes decisioned organization of trading volumes decisioned organization organi	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00  Structured finance instruments** Retail Client 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  DO  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
organization of trading volumes decisioned in terms of trading volumes decisioned organization of trading volumes decisioned organization of trading volumes decisioned organization organi	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	Proportion of orders secuted as percentage of total in that class  Proportion of orders secuted as percentage of total in that class  DOD  OOD  OOD  OOD  OOD  OOD  OOD	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of aggressive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00   0,00
year Top five execution venues ranked to terms of trading volumes (descending order) A.A. A.A. A.A. A.A. A.A. A.A. A.A. A.	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00  Structured finance instruments** Retail Client 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  DO  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00   0,00
year Top five execution venues ranked no terms of trading volumes decicending order) decicending order) A.A. A.A. A.A. A.A. A.A. A.A. A.A. A.	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00  Structured finance instruments** Retail Client 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  O,00  Proportion of orders executed as percentage of total in that class  O,00	Percentage of passive orders  0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
year for fire seacution venues ranked nems of trading volumes descending order)  1.3.  1.3	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  O,00  Proportion of orders executed as percentage of total in that class  O,00	Percentage of passive orders  0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
or for form of the secution venues ranked to terms of trading volumes descending order)  1.3.  1	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  O,00  Proportion of orders executed as percentage of total in that class  O,00	Percentage of passive orders  0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
year Top five execution varues ranked no terms of trading volumes decisionally deci	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  O,00  O,00  Proportion of orders executed as percentage of total in that class  O,00	Percentage of passive orders  0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
organization of trading volumes descending ordary of trading volumes descending ordary of trading volumes descending ordary of the trading volumes descending ordary of the trading volumes descending ordary of the trading volumes descending ordary	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  DO 0.00  0.00 0.00 0.00 0.00 0.00 0.00 0.	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
organization of trading volumes descending ordary of trading volumes descending ordary of trading volumes descending ordary of the trading volumes descending ordary of the trading volumes descending ordary of the trading volumes descending ordary	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  0,00  0,00  1,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments Professional client  1,00  0,00  0,00  0,00  Structured finance instruments Professional client  0,00  Structured finance instruments Professional client  0,00  Structured finance instruments Professional client  0,00  0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Percentage of aggressive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00
eyear for five searcition venues ranked n terms of trading volumes descending order)  1.3.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Clent  0,00  0,00  Structured finance instruments structure of the stru	Proportion of orders executed as percentage of state in that class  Proportion of orders executed as percentage of state in that class  0.00	0,00   0,00	Percentage of aggressive orders  0,00	0,00   0,00
eye of the secution venues ranked naterns of trading volumes descending order)  decending order)  3.1.3. 3.3. 3	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  0,00  1,00  Structured finance instruments as a percentage of total in that class  0,00  0,00  0,00  Structured finance instruments  0,00  0,00  0,00  Structured finance instruments  Proportion of volume traded as a percentage of total in that class  0,00  Structured finance instruments  1,00  0,00  Structured finance instruments  1,00  0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  DO  0,00	Percentage of passive orders  0,00	0,00   0,00	0,00   0,00
eye of the secution venues ranked naterns of trading volumes descending order)  decending order)  3.1.3. 3.3. 3	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  0,00  0,00  Structured finance instruments as a percentage of total in that class  0,00  Structured finance instruments professional client  0,00  0,00  0,00  0,00  0,00  Structured finance instruments professional client  0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00   0,00	0,00   0,00
year Top five execution venues ranked to terms of trading volumes deciciently gold to the terms of trading volumes deciciently gold to the terms of trading volumes deciciently and the terms of trading volumes decicient Classification (Client Classifica	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Clent  0,00  0,00  1,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  DO  0,00	Percentage of passive orders  0,00	0,00   0,00	0,00   0,00
year Top five execution varues ranked no terms of trading volumes decicending order) An. A.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  0,00  1,00  Structured finance instruments as a percentage of total in that class  0,00  0,00  0,00  Structured finance instruments  0,00  0,00  0,00  Structured finance instruments  Proportion of volume traded as a percentage of total in that class  0,00  Structured finance instruments  1,00  0,00  Structured finance instruments  1,00  0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  DO  0,00	Percentage of passive orders  0,00	0,00   0,00	0,00   0,00
eyear for five searcition venues ranked in terms of trading volumes descending order)  1.1. 1.1. 1.1. 1.1. 1.1. 1.1. 1.1. 1	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  0,00  0,00  0,00  0,00  0,00  Structured finance instruments  Proportion of volume traded as a percentage of total in that class  professional client  n.a.  Proportion of volume traded as a percentage of total in that class  professional client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  Structured finance instruments  Professional client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  Structured finance instruments*  Professional client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  Structured finance instruments**	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  DO  0,00	Percentage of passive orders  0,00	0,00   0,00	0,00   0,00
eyear from five seasoful or trading volumes descending order)  1.3.  1.3	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Client  0,00  0,00  1	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  DO  0,00	Percentage of passive orders  0,00	0,00   0,00	0,00   0,00
eyear for for seasocition venues ranked n terms of trading volumes descending order)  1.3.	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Clemt  0,00  1,00  Structured finance instruments structure of total in that class  0,00  0,00  0,00  0,00  0,00  Structured finance instruments  Propersion of volume traded as a percentage of total in that class  1,00  0,00  0,00  0,00  Structured finance instruments  Propersion of volume traded as a percentage of total in that class  1,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments*  Propersion of volume traded as a percentage of total in that class  0,00  Structured finance instruments**  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments**  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments**  Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of social in that class  Proportion of orders executed as percentage of social in that class  0.00	0,00	0,00	0,00   0,00
year Top five execution venues ranked no terms of trading volumes (detecteding order) An.A. A.A. A.A. A.A. A.A. A.A. A.A. A.	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  OD  OD  OD  OD  OD  OD  OD  OD  OD	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of aggressive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Percentage of directed orders  0,00
year Top five execution various ranked to terms of trading volumes (descending order)  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Clent  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments professional client  0,00  0,00  0,00  Structured finance instruments  0,00  0,00  Structured finance instruments  0,00  0,00  Structured finance instruments  0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  OO  OO  Proportion of orders executed as percentage of total in that class  OO  OO  Proportion of orders executed as percentage of total in that class  OO  OO  OO  OO  OO  OO  OO  OO  OO	0,00	Percentage of aggressive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00
year Top five execution varues ranked  in terms of trading volumes  decenteding order)  A.A. A.A. A.A. A.A. A.A. A.A. A.A. A	percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments** Retail Clent  0,00  0,00  0,00  0,00  Structured finance instruments are accepted as a percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Structured finance instruments*  Propersion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00  Structured finance instruments*  Proportion of volume traded as a percentage of total in that class  0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00	Percentage of passive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Percentage of aggressive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00
year Top five execution various ranked to terms of trading volumes (descending order)  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  OLO  OLO  OLO  OLO  OLO  OLO  OLO	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of aggressive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00   0,00

Class of Instrument	Equity derivatives - Options and futures	admitted to trading on a trading venue			
Client Classification Notification if < 1 average trade	Retail Client				
per business day in the previous year	n.a.				
Top five brokers ranked in terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of			
order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a.	0,00 0,00	0,00	0,00	0,00 0,00	0,00 0,00
n.a. n.a.	0,00	0,00	0,00	0,00 0,00	0,00
	_				
Class of Instrument Client Classification	Equity derivatives - Options and futures Retail Client	admitted to trading on a trading venue*			
Notification if < 1 average trade per business day in the previous					
year Top five execution venues ranked	n.a.				
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
n.a. n.a.	0,00	0,00	0,00	0,00 0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00 0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument		admitted to trading on a trading venue**			
Client Classification Notification if < 1 average trade	Retail Client				
per business day in the previous year	n.a.				
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a.	0,00	0,00 0,00	0,00	0,00 0,00	0,00
n.a. n.a.	0,00	0,00 0,00	0,00	0,00 0,00	0,00
Class of Instrument Client Classification	Equity derivatives - Options and futures Professional client	admitted to trading on a trading venue			
Notification if < 1 average trade per business day in the previous					
year Top five brokers ranked in terms	n.a.				
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
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
	7				
Class of Instrument Client Classification	Equity derivatives - Options and futures Professional client	admitted to trading on a trading venue-			
Notification if < 1 average trade per business day in the previous					
year Top five execution venues ranked	n.a.				
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
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a. Class of Instrument	0,00 0,00 0,00 Equity derivatives - Options and futures	0,00	0,00	0,00	0,00
n.a. n.a. Class of Instrument Client Classification Notification if < 1 average trade	0,00 0,00 0,00	0,00 0,00 0,00	0,00	0,00	0,00
n.a. n.a. Class of instrument Client Classification Notification if < 1 average trade per business day in the previous year	0,00 0,00 0,00 Equity derivatives - Options and futures	0,00 0,00 0,00	0,00	0,00	0,00
La. n.a.  Class of instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes	0,00 0,00 0,00 Equity derivatives - Options and futures Professional client n.a. Proportion of volume traded as a	0,00 0,00 0,00 0,00 admitted to trading on a trading venue**	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00
n.a.  Class of instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) n.a.	0,00 0,00 0,00 0,00  Equity derivatives - Options and futures Professional client n.a.  Proportion of volume traded as a percentage of total in that class	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 Percentage of aggressive orders	0,00 0,00 0,00 0,00 Percentage of directed orders
n.a.  Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) n.a. n.a. n.a.	0.00 0.00 0.00 0.00 Equity derivatives - Options and futures Professional client - Proportion of volume traded as a percentage of total in that class	0.00 0.00 0.00 0.00 admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 Percentage of aggressive orders 0,00 0,00	0,00 0,00 0,00 0,00 Percentage of directed orders 0,00 0,00 0,00
n.a.  class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) n.a. n.a.	0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client  a. Proportion of volume traded as a percentage of total in that class 0,00 0,00	0,00 0,00 0,00 admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0,00 0,00	0,00 0,00 0,00 0,00 Percentage of passive orders 0,00	0,00 0,00 0,00 0,00 Percentage of aggressive orders 0,00 0,00	0,00 0,00 0,00 0,00 Percentage of directed orders 0,00 0,00
n.a. h.a.  Class of instrument Client Classification Client Classification Client Classification Client Classification Client Classification Client Classification Client	0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional Client  n.a. Proportion of volume traded as a percentage of total in that class  0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 Percentage of passive orders 0,00 0,00 0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 Percentage of directed orders 0,00 0,00 0,00 0,00
n.a. h.a.  Class of instrument Class of instrument Class Classification (1 - 2 werage trade per business day in the previous real Top five execution venues ranked in terms of trading volumes n.a. n.a. n.a. n.a. class of instrument Class of instrument Class of instrument Class of instrument	0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client  1.8. Proportion of volume traded as a percentage of total in that class  0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 Percentage of passive orders 0,00 0,00 0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 Percentage of directed orders 0,00 0,00 0,00 0,00
n.a.   Class of Instrument   Class of Instru	0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client 1.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 Percentage of passive orders 0,00 0,00 0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 Percentage of directed orders 0,00 0,00 0,00 0,00
n.a. h.a.  Class of instrument  Clines Custification  Association of a severage trade on business day in the previous real  Top five secution venues ranked to the secution venues ranked to secution in terms of trading rollen policies configuration of the secution venues ranked to secure of the secution venues ranked to secure of the security of the	0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client n,a Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Swaps and other eq. Betail Client n,a.	0.00 0.00 0.00 0.00 0.00 admitted to trading on a trading venue**  Proportion of orders excuted as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00 0,00 0,00 0,00 0,00 Percentage of passive orders 0,00 0,00 0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 Percentage of directed orders 0,00 0,00 0,00 0,00
n.a.   Class of instrument   Class of instru	0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client  1.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00  Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00  Percentage of directed orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,
n.a. h.a.  Class of instrument Cleric Classification Cleric Classification or business day in the previous ear business day in the previous descending order) n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client n.e. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.00 0.00 0.00 0.00 0.00  admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00  Percentage of passive orders 0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00	0,00 0,00 0,00 0,00  Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
n.a.   Class of instrument   Class of instrument   Class of Classification   Classification   1.2 werage trade per business day in the previous   Classification   1.2 werage trade per business day in the previous   Classification   Classificati	0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client 0.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 Equity derivatives - Swaps and other eq. Refail Client 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.00 0.00 0.00 0.00 admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 Percentage of directed orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,
n.a. fl.a.  Class of instrument Client Classification Client Classification per business day in the previous taria.  Top five execution venues ranked for some execution venues ranked fides centing ovulenes (des centing ovulenes) n.a. n.a. n.a. n.a. n.a. n.a. client Classification Client Classification Client Classification Client Classification of the ovulence of the previous of tracing volumes (descending order) n.a. drawing volumes (descending order) n.a. n.a.  I a. client Classification Client Clas	0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client  1.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 Equity derivatives - Swaps and other eq. Retail Client  1.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.00 0.00 0.00 0.00 0.00 admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of directed orders  0,00
n.a. (n.a. )  Class of instrument (Clem Classification (n.a. ) was desired to the control of the classification (n.a. ) was desired to the classification (n.a. ) was desired to the previous year. (Top five execution venues ranked in terms of trading volumes (descending order) (n.a. )  n.a. (n.a. )  (Glass of instrument (Glassification (n.a. )  (Glass of instrument (descending n.a. )	0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client N.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 Equity derivatives - Swaps and other eq. Retail Client N.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.00 0.00 0.00 0.00 0.00 0.00  admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of directed orders  0,00
n.a.   Class of instrument.   Class of instrument   Class of i	0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client n.e. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.00 0.00 0.00 0.00 0.00 0.00  admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of directed orders  0,00
n.a. h.a.  Class of instrument Cleme (Cassification Cassification Cleme (Cassification Cassification Cassif	0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client N.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 Equity derivatives - Swaps and other eq. Retail Client N.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.00 0.00 0.00 0.00 0.00 0.00  admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of directed orders  0,00
n.a. h.a.  Glass of instrument  Client Classification (1. 3 werage trade- per business day in the previous  Authoritication (1. 4 werage trade- per business day in the previous  Top fine execution veus ranked  Top fine execution veus ranked  Gescending order)  n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.	0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client N.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 Equity derivatives - Swaps and other eq. Retail Client N.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.00 0.00 0.00 0.00 0.00 0.00  admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of directed orders  0,00
n.a. h.a.  Class of instrument Top five execution versus ranked Top five execution versus ranked n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client 0.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 Equity derivatives - Swaps and other eq. Retail Client 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.00 0.00 0.00 0.00 0.00 admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Percentage of directed orders  0,00
n.a. h.a.  Class of instrument Clared Cassification (-2 seerage trade- per business day in the previous real Top five execution versus ranked Top five execution versus ranked Top five design of the previous A.a. A.a. A.a. A.a. A.a. A.a. A.a. A.a	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client n,a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.00 0.00 0.00 0.00 0.00 0.00 admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders  0,00	Percentage of aggressive orders  0,00	### 0,00  0,00  0,00  0,00  ############
n.a. h.a.  Class of instrument.  Top five execution verues ranked in terms of trading order)  2.a.  2.a.  2.a.  2.a.  2.a.  3.a.  3.a.  4.a.  4.a.  5.a.  5.a.  6.a.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00   0,00	0,00
P.A. D. Class of instrument Client Classification (**). A service transfer of the Client Classification (**). A service transfer of the previous control of the previous of the Client Classification (**). A service of the certain control of the certain	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00  admitted to trading on a trading venue**  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders  0.00  0.00  Percentage of passive orders  0.00	0,00   0,00	0,00
n.a. h.a.  Gass of instrument Client Classification (1 - 1 werage trade per business day in the previous (Top five execution versus ranked (Top five execution versus ranked (Top five execution versus ranked h.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00   0,00	0,00
n.a. h.a.  Class of instrument Cliner Classification (1 - 2 werage trade- per business day in the previous year Top five accustom venues ranked n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client 1,0 0,00 0,00 0,00 0,00 0,00 0,00 0,00	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00   0,00	0,00
n.a. h.a.  Class of instrument Client Classification (1 - 2 werage trade per business day in the previous year Top five execution versus ranked n.a. h.a. h.a. h.a. h.a. h.a. h.a. h.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client 0. Reportsion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00   0,00	0,00
n.a. h.a.  Class of instrument Client Classification Client Classification Client Classification (a. 1 werege trade per business day in the previous relation of the client client client Class of instrument Client Classification (a. 1 werege trade per business day in the previous relation of the client Classification (b. 1 werege trade per business day in the previous relation client Classification (b. 1 werege trade per business day in the previous relation client Classification (b. 1 werege trade per business day in the previous relation client Classification (b. 1 werege trade per business day in the previous client Classification (client Classification (c	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0	Proportion of orders executed as percentage of tetal in that class  Proportion of orders executed as percentage of tetal in that class  Do 0.00  Do	Percentage of passive orders  0,00	0,00   0,00	# Percentage of directed orders  0.00
n.a. h.  Class of instrument Client Classification Client Classification Client Classification (I a swerage trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)  n.a.  n.a.  n.a.  n.a.  n.a.  n.a.  n.a.  client Classification Notification if < 1 average trade per business day in the previous year Client Classification (I a swerage trade per business day in the previous year  Of trading volumes (descending n.a.  n.a.  n.a.  n.a.  n.a.  n.a.  n.a.  n.a.  client Classification (I a swerage trade per business day in the previous year  Client Classification (I a swerage trade per business day in the previous (descending order)  n.a.  client Classification (I a swerage trade per business day in the previous (descending order)  n.a.  n.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client 1,a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  Droportion of orders executed as percentage of total in that class  O.00  D.00	Percentage of passive orders  0,00	Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00
P.A.  Class of instrument Client Classification Class of instrument Client Classification Client Classificatio	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Equity derivatives - Options and futures Professional client 1.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.00 0.00 0.00 0.00 0.00 0.00 admitted to trading on a trading venue**  Proportion of orders executed as percentage of tetal in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00   0,00	0,00
n.a.   Class of instrument   Client Classification   C. average trade per business day in the previous result of the client Classification   C. average trade per business day in the previous result of the client client   C. average trade per business day in the previous   Client Classification   C. average trade   Client Classification   C. average trade per business day in the previous   Client Classification   C. average trade per business day in the previous   Client Classification   C. average trade   Client Classification   C. ave	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Proportion of orders executed as percentage of total in that class  O,00  Proportion of orders executed as percentage of total in that class  O,00  O,	0,00	0,00   0,00	0,00

Class of Instrument Client Classification	Equity derivatives - Swaps and other eq Professional client	uity derivates			
Notification if < 1 average trade per business day in the previous	Trotesional circle				
year	n.a.				
Top five brokers ranked in terms of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of			
order)	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00 0,00	0,00	0,00	0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Equity derivatives - Swaps and other eq	uity derivates*			
Client Classification	Professional client	dity derivates			
Notification if < 1 average trade per business day in the previous					
year Top five execution venues ranked	n.a.	1			
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
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
11.0.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Equity derivatives - Swaps and other eq	uity derivates**			
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous					
year Top five execution venues ranked	n.a.				
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
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00 0,00
n.a. n.a.	0,00	0,00	0,00	0,00 0,00	0,00
Promise.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Securitized derivatives - Warrants and o	ertificate derivatives			
Client Classification Notification if < 1 average trade	Retail Client				
per business day in the previous					
year Top five brokers ranked in terms	n.a.				
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
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00 0,00
II.d.	0,00	0,00	0,00	0,00	0,00
Class of Instrument	Securitized derivatives - Warrants and o	ertificate derivatives*			
Client Classification Notification if < 1 average trade	Retail Client				
per business day in the previous					
year Top five execution venues ranked	no	1			
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
Stuttgart	76,03	81,45	0,00	0,00	39,95
Frankfurt Tradegate	23,82	18,14 0,15	0,00	0,00	88,75 100,00
Tradegate XETRA	0,05 0,04	0,15 0,13	0,00 22,22	0,00 77,78	100,00 100,00
Tradegate	0,05	0,15	0,00	0,00	100,00
Tradegate XETRA Berlin Class of instrument	0,05 0,04 0,03  Securitized derivatives - Warrants and o	0,15 0,13 0,03	0,00 22,22	0,00 77,78	100,00 100,00
Tradegate XETRA Berlin  Class of Instrument Client Classification	0,05 0,04 0,03	0,15 0,13 0,03	0,00 22,22	0,00 77,78	100,00 100,00
Tradegate XETRA Berlin  Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous	0,05 0,04 0,03  Securitized derivatives - Warrants and o	0,15 0,13 0,03	0,00 22,22	0,00 77,78	100,00 100,00
Tradegate XETRA Berlin  Class of Instrument Client Classification Notification if 2 a laverage trade per business day in the previous year Top five execution venues ranked	0,05 0,04 0,03  Securitized derivatives - Warrants and c	0,15 0,13 0,03 0,03	0,00 22,22	0,00 77,78	100,00 100,00
Tradegate XETRA Berlin  Glass of Instrument Client Classification Notification if < 1 average trade- per business day in the previous year Top five execution venues ranked in terms of trading volumes	0,05 0,04 0,03  Securitized derivatives - Warrants and o	0,15 0,13 0,03	0,00 22,22	0,00 77,78 0,00	100,00 100,00
Tradegate XETRA Berlin  Class of Instrument Client Classification Notification if 2 a swerage trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Stuttgart	0,05 0,04 0,03 Securitized derivatives - Warrants and c Retail Client no Proportion of volume traded as a percentage of total in that class	0,15 0,13 0,03  ertificate derivatives**  Proportion of orders excuted as percentage of total in that class 85.50	0,00 22,22 0,00  Percentage of passive orders 0,00	0,00 77,78 0,00 0,00 Percentage of aggressive orders 0,00	100,00 100,00 100,00 Percentage of directed orders 49,22
Tradegate XETRA Berlin  Class of Instrument Client Classification Client Classification Client Classification (a Servery Company Company (a Servery Company) Company C	0,05 0,04 0,03 Securitized derivatives - Warrants and c eatail Client Proportion of volume traded as a percentage of total cities 6,44 0,11	0.15 0.13 0.03  crifficate derivatives**  Proportion of orders executed as percentage of total in that class 10.27 0.16	0,00 22,27 0,00 0,00 0,00 0,00 0,00 0,00	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 1100,00 100,00 100,00 Percentage of directed orders 48,22 48,65 100,00
Tradegate KETRA Berlin  Class of Instrument Client Classification Notification if < 1 average trade- per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Suttgart Frankfurt	0,05 0,04 0,03 Securitized derivatives - Warrants and c Retail Client  Proportion of volume traded as a percentage of total in that class  8,44 0,11 0,01	0.15 0.13 0.03  ertificate derivatives**  Proportion of orders executed as percentage of total in that class 85.50 10.27	0,00 22,22 0,00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 Percentage of aggressive orders 0,00 0,00	100,00 100,00 100,00 100,00  Percentage of directed orders 49,22 40,00 100,00
Tradegate XETRA Berlin  Class of Instrument Client Classification 4: a werage trade per business day in the previous reflection 4: a werage trade per business day in the previous for price execution werear ranked in terms of trading volumes Suttgart München Dusseldorf München Dusseldorf	0,05 0,04 0,03 Securitized derivatives - Warrants and c eatail Client Proportion of volume traded as a percentage of total cities 6,44 0,11	0,15 0,13 0,03 0,03  ertificate derivatives**  Proportion of orders executed as percentage of total in that class 10,07 10,18 10,18 10,19 10,19 10,19 10,19 10,19 10,19 10,19 10,19 10,19 10,19 10,19 10,19 10,19 10,19 10,19	0,00 22,27 0,00 0,00 0,00 0,00 0,00 0,00	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 1100,00 100,00 100,00 Percentage of directed orders 48,22 48,65 100,00
Tradegate XTRA Barrin Gass of instrument Client Classification if < 1 everage trade Notification if < 1 everage trade year Notification if < 1 everage trade year rescription versus ranked (descending order) Volunting of the Client Classification Disseldorf Notification Class of instrument Class of instrument	0,05 0,04 0,03 Securitized derivatives - Warrants and characteristic Control of Volume traded as a percentage of total in that class 4,44 0,11 0,05 0,05 Securitized derivatives - Warrants and characteristics	0.15 0.13 0.03  ertificate derivatives**  Proportion of orders executed as percentage of total in that dass 80,50 10.24 0.05 0.05 0.05	0,00 22,22 0,00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00  Percentage of directed orders 49,22 40,00 100,00
Tradegate XTRA Berlin Gass of instrument Client Classification Notification if < 1 severage trade Notification if < 1 severage trade or business day in the previous YEM Top the execution venues ranked in terms of trading volumes Suntigart Frankfurt München Obseddorf In-8.  Class of instrument Client Classification Obseddorf 1 - 2 severage trade	0,05 0,04 0,03 Securitized derivatives - Warrants and c Retail Clent Proportion of volume traded as a percentage of total in that class 96,44 3,44 0,01 0,02	0.15 0.13 0.03  ertificate derivatives**  Proportion of orders executed as percentage of total in that dass 80,50 10.24 0.05 0.05 0.05	0,00 22,22 0,00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00  Percentage of directed orders 49,22 40,00 100,00
Tradegate XXTRA Berlin Gerlin Geschieder Geschieder Nordfrechten Nordf	0,05 0,04 0,03 Securitized derivatives - Warrants and characteristic Control of Volume traded as a percentage of total in that class 4,44 0,11 0,05 0,05 Securitized derivatives - Warrants and characteristics	0.15 0.13 0.03  ertificate derivatives**  Proportion of orders executed as percentage of total in that dass 80,50 10.24 0.05 0.05 0.05	0,00 22,22 0,00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00  Percentage of directed orders 49,22 40,00 100,00
Tradegate XTRA Bartin Gartin G	0,05 0,04 0,03 Securitized derivatives - Warrants and c Retail Client Reportion of volume traded as a percentage of total in that class 4,44 3,44 0,11 0,001 Securitized derivatives - Warrants and c Professional client N.B.	0,15 0,13 0,03 entificate derivatives**  Proportion of orders executed as percentage of total in that class 85,50 10,27 6,16 0,06 0,00 certificate derivatives	0,00 22,22 0,00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00  Percentage of directed orders 49,22 40,00 100,00
Tradegate XXTRA Berlin Gerlin Geschieder Geschieder Nordfrechten Nordf	0,05 0,04 0,03 0,03 Securitized derivatives - Warrants and c Retail Client  Proportion of volume traded as a  percentage of total in that class 0,01 0,01 0,00 Securitized derivatives - Warrants and c Professional client n.a. Proportion of volume traded as a  percentage of total in that class	0.15 0.13 0.03  ertificate derivatives**  Proportion of orders executed as percentage of total in that class 85.50 10.27 0.16 0.06 0.06 0.000	0,00 22.27 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00 77,78 0,00 0,00 Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00 100,00 100,00 100,00  Percentage of directed orders 49,22 44,65 100,00 100,00 0,00
Tradegate KETRA Gerlin	0,05 0,04 0,03 0,03 Securitized derivatives - Warrants and c actail Client Proportion of volume traded as a percentage of total in that class 80,44 8,11 0,01 0,00 Securitized derivatives - Warrants and c Professional client a. Proportion of volume traded as a	0,15 0,13 0,03 0,03 ertificate derivatives**  Proportion of orders executed as percentage of total in that class 0,00 0,00 ertificate derivatives  Proportion of orders executed as percentage of total in that class 0,00	0,00 22,27 0,00 0,00 0,00 0,00 0,00 0,00	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00  Percentage of directed orders 49,22 49,22 49,20 100,00 0,00
Tradegate XXTRA Berlin Gerlin Gestination Gestination Notification if < 1 overage trade year Collect Gessification Notification if < 1 overage trade year To five execution venues ranked in terms of trading volumes Gescending ordured Gescending ordured Collection Collection Gestination Collection Gestination Gestinati	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and c Retail Client  Proportion of volume traded as a percentage of total in that class 0,04 0,05 0,00 Securitized derivatives - Warrants and c n of essional client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00	0,15 0,13 0,03 0,03 ertificate derivatives**  Proportion of orders executed as percentage of total in that class 10,27 10,27 10,06 0,06 0,00 ertificate derivatives  Proportion of orders executed as percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00	0,00 22,27 0,00 0,00 0,00 0,00 0,00 0,00	0,00 77,78 0,00 77,78 0,00 Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   100,00   100,00   100,00   100,00   100,00
Tradegate XTRA Berlin Gass of instrument Client Classification Notification if 4 is everage trade pore business day in the previous year Top the execution venues ranked in terms of trading volumes Stuttgert Stuttgert William Observation Client Classification Notification if 4 is everage trade por business day in the previous Observation Client Classification Top the Problems day in the previous of a strading volumes of the problems of a stradegate volumes of a strading volumes of	0.05 0.04 0.03 Securitized derivatives - Warrants and c Retail Client no Poportion of volume traded as a sercentage of total in that class 44 0.11 0.01 0.00 Securitized derivatives - Warrants and c ivofessional client n.a. Reportion of volume traded as a sercentage of total in that class	0.15 0.13 0.03 0.03 0.03 0.003  Proportion of orders excuted as percentage of total in that class 85.50 10.27 10.27 0.06 0.06 0.09  Proportion of orders executed as percentage of total in that class 0.00  October 10.000	0,00 22.27 0.00  Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 77,78 0,00 0,00  Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00 100,00 100,00 100,00  Percentage of directed orders 49,22 94,65 100,00 100,00 0,00  Percentage of directed orders 0,00 0,00 0,00
Tradegate XTRA Berlin Gass of instrument Client Classification Notification if 4 is everage trade pore business day in the previous year Top the execution venues ranked in terms of trading volumes Stuttgert Stuttgert William Observation Client Classification Notification if 4 is everage trade por business day in the previous Observation Client Classification Top the Problems day in the previous of a strading volumes of the problems of a stradegate volumes of a strading volumes of	0,05 0,04 0,03 Securitized derivatives - Warrants and c Retail Client Nopportion of volume traded as a percentage of total in that class 1,001 0,001 Securitized derivatives - Warrants and c Professional client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00	0.15 0.13 0.03 0.03  ertificate derivatives**  Proportion of orders executed as percentage of total in that class 85.50 10.27 0.16 0.06 0.06 0.00  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00	0,00 22.27 0,00 0.00 0.00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00 100,00  Percentage of directed orders 40,92 40,65 100,00 100,00 0,00  Percentage of directed orders  Percentage of directed orders 0,00 0,00 0,00 0,00 0,00
Tradegate KETRA Garria  Class of instrument  Climic Classification  Notification if < 1 average trade  of the products of the products  Common transition of common transition  Common t	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and c Retail Client  Proportion of volume traded as a percentage of total in that class 0,04 0,00 Securitized derivatives - Warrants and c Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.15 0.13 0.03 0.03  ertificate derivatives**  Proportion of orders executed as percentage of total in that class 85.50 10.27 0.16 0.06 0.06 0.00  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00	0,00 22.27 0,00 0.00 0.00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00 100,00  Percentage of directed orders 40,92 40,65 100,00 100,00 0,00  Percentage of directed orders  Percentage of directed orders 0,00 0,00 0,00 0,00 0,00
Tradegate XTTPA [aertin [aertin [client Classification Nooffication if < 1 overage trade per business day in the previous Table of the previous control of the previous Table of the previous control of the previous Table of the previous control of the previous Table of the previ	0,05 0,04 0,03 Securitized derivatives - Warrants and c Retail Client Nopportion of volume traded as a percentage of total in that class 1,001 0,001 Securitized derivatives - Warrants and c Professional client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00	0.15 0.13 0.03 0.03  ertificate derivatives**  Proportion of orders executed as percentage of total in that class 85.50 10.27 0.16 0.06 0.06 0.00  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00	0,00 22.27 0,00 0.00 0.00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00 100,00  Percentage of directed orders 40,92 40,65 100,00 100,00 0,00  Percentage of directed orders  Percentage of directed orders 0,00 0,00 0,00 0,00 0,00
Tradegate XTRA  Garia  Gas of instrument  Client Classification  Nooffication if < 1 everage trade  per business day in the previous  year  control of the previous control  control of the previous  per security of the previous  control of the previous  per business day in the previous  per business day in the previous  control of the previous	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and c Retail Client  Proportion of volume traded as a percentage of total in that class 0,04 0,00 Securitized derivatives - Warrants and c Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.15 0.13 0.03 0.03  ertificate derivatives**  Proportion of orders executed as percentage of total in that class 85.50 10.27 0.16 0.06 0.06 0.00  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00	0,00 22.27 0,00 0.00 0.00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00 100,00  Percentage of directed orders 40,92 40,65 100,00 100,00 0,00  Percentage of directed orders  Percentage of directed orders 0,00 0,00 0,00 0,00 0,00
Tradegate KETRA Garria	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and c Retail Client  Proportion of volume traded as a percentage of total in that class 0,04 0,00 Securitized derivatives - Warrants and c Professional client 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,15 0,13 0,03 0,03 entificate derivatives**  Proportion of orders secusted as percentage of total in that class 85,50 10,07 0,00 0,00 entificate derivatives  Proportion of orders secusted as percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 22.27 0,00 0.00 0.00 0,00 0,00 0,00 0,00 0,0	0,00 77,78 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 100,00 100,00 100,00  Percentage of directed orders 40,92 40,65 100,00 100,00 0,00  Percentage of directed orders  Percentage of directed orders 0,00 0,00 0,00 0,00 0,00
Tradegate KTTPA Gartin	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and of Retail Client  Proportion of volume traded as a percentage of total in that class 0,04 0,04 0,04 0,04 0,04 0,04 0,04 0,	0,15 0,13 0,03 0,03 ertificate derivatives**  Proportion of orders executed as percentage of total in that class 85,50 10,27 0,15 0,15 0,15 0,15 0,15 0,15 0,15 0,15	Percentage of passive orders  0.00	Percentage of aggressive orders  0,00  Percentage of aggressive orders  0,00	100,00   1
Tradegate XTRA Barria Gass of instrument Client Classification Notification if < 1 average trade per business day in the previous year researchion venues ranked client Classification Notification if < 3 average trade per securition venues ranked interest of trading volumes (descending order) Suttigart Frankfurt München Disseldoor N.a. A.	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and of Retail Client  Proportion of volume traded as a percentage of total in that class 0,04 0,11 0,11 0,10 0,00 Securitized derivatives - Warrants and of Professional client 1,0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.15 0.13 0.03 0.03 entificate derivatives**  Proportion of orders executed as percentage of total in that class 89,50 10,27 0.16 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders  0,00	Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   1
Tradegate XTRA  Garia  Gas of instrument  Client Classification  Notification if < 1 average trade per business day in the previous  year  Client Classification  Notification if < 1 overage trade per business day in the previous  year  Client Classification  Notification if < 1 overage trade  Disseldoor  Client Classification  Obussidoor  A. A.  A. A.  A. A.  A. A.  Class of instrument  Class of instrument  Client Classification  of trading volumes (descending  order)  A. B.  A. A.  Class of instrument  Class of instrumen	0.05 0.04 0.05 0.05 0.05 0.05 Securitized derivatives - Warrants and c der	0,15 0,13 0,03 0,03 ertificate derivatives**  Proportion of orders executed as percentage of total in that class 0,00 0,00 ertificate derivatives  Proportion of orders executed as percentage of total in that class 0,00 ertificate derivatives  Proportion of orders executed as percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Percentage of passive orders  0.00	0,00   77,78   0,00	100,00   1
Tradegate XTRA  Garia  Gas of instrument  Client Classification  Notification if < 1 average trade per business day in the previous  year  Client Classification  Notification if < 1 overage trade per business day in the previous  year  Client Classification  Notification if < 1 overage trade  Disseldoor  Client Classification  Obussidoor  A. A.  A. A.  A. A.  A. A.  Class of instrument  Class of instrument  Client Classification  of trading volumes (descending  order)  A. B.  A. A.  Class of instrument  Class of instrumen	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and of Retail Client  Proportion of volume traded as a percentage of total in that class 0,04 0,11 0,11 0,10 0,00 Securitized derivatives - Warrants and of Professional client 1,0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0.15 0.13 0.03 0.03 entificate derivatives**  Proportion of orders executed as percentage of total in that class 89,50 10,27 0.16 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders  0,00	Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   1
Tradegate XTTPA [Bartin Gartin Gartin Gerin Geri	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and of Retail Client  Proportion of volume traded as a percentage of total in that class 0,04 0,04 0,04 0,04 0,04 0,04 0,04 0,	0.15 0.13 0.03 0.03 ertificate derivatives**  Proportion of orders executed as percentage of total in that class 10.79 0.00 0.00 ertificate derivatives  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of aggressive orders  0,00  Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   1
Tradegate XTTPA [Bartin Gartin	0,05 0,04 0,03 0,03 Securitized derivatives - Warrants and c net all Client no Reportion of volume traded as a percentage of total in that class 0,01 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.15 0.13 0.03 0.03 ertificate derivatives**  Proportion of orders executed as percentage of total in that class 10.79 0.00 0.00 ertificate derivatives  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of aggressive orders  0,00  Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   1
Tradegate KTTRA Gartin	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and of Retail Client  Proportion of volume traded as a percentage of total in that class 0,04 0,04 0,04 0,04 0,04 0,04 0,04 0,	0.15 0.13 0.03 0.03 ertificate derivatives**  Proportion of orders executed as percentage of total in that class 10.79 0.00 0.00 ertificate derivatives  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of aggressive orders  0,00  Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   1
Tradegate XTTPA [Bartin Gartin	0,05 0,04 0,03 0,03 Securitized derivatives - Warrants and c net all Client no Reportion of volume traded as a percentage of total in that class 0,01 0,00 0,00 0,00 0,00 0,00 0,00 0,	0.15 0.13 0.03 0.03 ertificate derivatives**  Proportion of orders executed as percentage of total in that class 10.79 0.00 0.00 ertificate derivatives  Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of aggressive orders  0,00  Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   1
Tradegate XTRA Barria Gass of instrument Client Classification Notification if < 1 average trade per business day in the previous year researchion venues ranked ideascending order) Client Classification Notification of < 1 average trade power of the control of	0,05 0,04 0,03 0,03 Securitized derivatives - Warrants and c net all Client no Reportion of volume traded as a percentage of total in that class 0,01 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,15 0,13 0,03  ertificate derivatives**  Proportion of orders excuted as percentage of total in that class 85,50 10,27 0,16 0,06 0,00 0,00 0,00 0,00 0,00 0,00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of aggressive orders  0,00  Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   1
Tradegate KTRA Gerlin G	0.05 0.04 0.05 0.04 0.05 0.05 Securitized derivatives - Warrants and c der	0,15 0,13 0,03 0,03 ertificate derivatives**  Proportion of orders secusted as percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Percentage of passive orders  0.00	Percentage of aggressive orders  Description of the percentage of aggressive orders  Description orders  Descripti	100,00   1
Tradegate KTTAA Gartin	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and c Retail Client  Proportion of volume traded as a percentage of total in that class 0,00 0,00 Securitized derivatives - Warrants and c Professional client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  10,00  10,00  Proportion of orders executed as percentage of total in that class  0,00	0,00	Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   1
Tradegate XTTPA [Bartin Gartin	0,05 0,04 0,03 Securitized derivatives - Warrants and of Retail Client No Proportion of volume traded as a percentage of total in that class Securitized derivatives - Warrants and of Professional client No Description of volume traded as a percentage of total in that class O,00 O,00 O,00 O,00 O,00 O,00 O,00 O,	o, 15 0,13 0,03 ertificate derivatives**  Proportion of orders executed as percentage of total in that class 89,50 10,27 0,16 0,06 10,00 10,00  Proportion of orders executed as percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Percentage of passive orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	0,00   77,78   0,00	100,00   1
Tradegate XTRA  Garia  Gas of instrument  Client Classification  Nooffication if < 1 everage trade  per business day in the previous  year  Client Classification  Nooffication if < 1 everage trade  per business day in the previous  year  Client Classification  Nooffication if < 1 everage trade  (descending order)  Client Classification  Na.  Client Classification  Na.  Client Classification  Nooffication if < 1 everage trade  per business day in the previous  per client Classification  Na.  A.  A.  A.  Client Classification  Nooffication if < 1 everage trade  per business day in the previous  per client Classification  Nooffication of Classificat	0,05 0,04 0,03 0,04 0,03 Securitized derivatives - Warrants and c Retail Client  Proportion of volume traded as a percentage of total in that class 0,00 0,00 Securitized derivatives - Warrants and c Professional client n.a. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0	Proportion of orders executed as percentage of total in that class  Proportion of orders executed as percentage of total in that class  10,00  10,00  Proportion of orders executed as percentage of total in that class  0,00	0,00	Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	100,00   1

Class of Instrument Client Classification Notification if < 1 average trade	Securitized derivatives - Other securitizes Retail Client	ied del matines			
per business day in the previous					
Top five brokers ranked in terms	n.a.				
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
n.a. n.a.	0,00	0,00 0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year	Securitized derivatives - Other securitized Client	red derivatives*			
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) Stuttgart	percentage of total in that class 85.65	total in that class 74.51	Percentage of passive orders 0.00	Percentage of aggressive orders 0.00	Percentage of directed orders 31.58
Hannover	7,50	11,76	0,00	0,00	100,00
Frankfurt n.a.	6,85 0,00	13,73 0,00	0,00 0,00	0,00 0,00	71,43 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Securitized derivatives - Other securitized Retail Client				
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
Stuttgart Frankfurt	97,93 2,01	97,43 2,25	0,00	0,00	72,61 85,71
Quotrix	0,06 0,00	0,32 0,00	0,00	0,00	100,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms of trading volumes (descending	Securitized derivatives - Other securitis Professional client n.a. Proportion of volume traded as a	red derivatives  Proportion of orders executed as percentage of			
order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous year Top five execution venues ranked in terms of trading volumes	yes Proportion of volume traded as a	Proportion of orders executed as percentage of	December of accing address	December of security and se	Description of diseased audies
per business day in the previous year  Top five execution venues ranked in terms of trading volumes (descending order)  Stuttgart	percentage of total in that class 80,00	total in that class 80,00	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders 100,00
per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Suutgart Frankfurt n.a.	90,00 20,00 0,00	total in that class 80,00 20,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	100,00 100,00 0,00
per business day in the previous year. Top five execution venues ranked in terms of trading volumes (descending order) Stuttgart Frankfurt  	percentage of total in that class 80,00 20,00	total in that class 80,00 20,00	0,00 0,00	0,00 0,00	100,00 100,00
per business day in the previous year  Top five execution venues ranked in terms of trading volumes (descending order)  Stuttgart  Da. a. a	percentage of total in that class 8,00 20,00 0,00 0,00 0,00 0,00 Securitized derivatives - Other securiti: Professional client .a. Proportion of volume traded as a Percentage of total in that class	total in that class  80.00  20.00  0.00  0.00  0.00  0.00  0.00  red derivatives**	0,00 0,00 0,00 0,00 0,00 0,00 Percentage of passive orders	0,00 0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 0,00 0,00 0,00 0,00 0,00
per business day in the previous year Top five execution venues ranked from the most office of the property of the previous year.  Top five execution venues ranked from the previous year.  Top five execution venues ranked to the property olimes the property of the previous year.	percentage of total in that class  80.0  20.00  0,00  0,00  0,00  0,00  Securitized derivatives - Other securiti: Professional client  n.a.  Proportion of volume traded as a	total in that class 80.00 20.00 0,00 0,00 0,00 0,00 0,00 Proportion of orders executed as percentage of	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	100,00 100,00 0,00 0,00 0,00 0,00
per business day in the previous Top five execution venues ranked (discounting the period of the per	percentage of total in that class  8.00  20,00  0,00  0,00  0,00  0,00  Securitized derivatives - Other securitize received as a percentage of total in that class percentage of total in that class  0,00  0,00  0,00  0,00	total in that class  80.00  20.00  0,00  0,00  0,00  0,00  Proportion of orders executed as percentage of total in that class  0.00  0.00  0.00  0.00  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	100,00   100,00   0,00   0,00   0,00   0,00   0,00   0,00   0,00   0,00
per business day in the previous year year.  Top five execution venues ranked in terms of ranking volumes stanked in terms of ranking volumes of ranking volumes of ranking volumes.  Surtigant A.	percentage of total in that class 8.00 20.00 0,00 0,00 0,00 0,00  Securitized derivatives - Other securiti: Professional client A.B. Proportion of volume traded as a percentage of total in that class 0,00 0,00 0,00 0,00	lotal in that class 80.00 20.00 0.00 0.00 0.00 0.00 0.00 0.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00	100,00 100,00 0,00 0,00 0,00 0,00 0,00
per business day in the previous year a great reaction venues ranked to the provious of the pr	percentage of total in that class 8.00 20.00 0,00 0,00 0,00 0,00 0,00 0,00	lotal in that class  80,00  20,00  0,00  0,00  0,00  0,00  0,00  proportion of orders executed as percentage of total in that class 0,00  0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	100,00 100,00 0,00 0,00 0,00 0,00 0,00
per business day in the previous (Fig. 1976) and (Fig. 1976) a	percentage of total in that class  8.00  9.00  0.00  0.00  0.00  Securitized derivatives - Other securitiz Professional client  n.a.  Proportion of volume traded as a percentage of total in that class  0.00  0.00  0.00  Commodities derivatives and emission Retail Client  Proportion of volume traded as a percentage of total in that class  Proportion of volume traded as a percentage of total in that class and the class a	lotal in that class  80.00  20.00  0.00  0.00  0.00  0.00  0.00  0.00  proportion of orders executed as percentage of total in that class  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	100,00   1
per business day in the previous (Fig. 1976) and (Fig. 1976) a	percentage of total in that class  8.00  9.00  0.00  0.00  0.00  Securitized derivatives - Other securitis Professional client  n.a.  Proportion of volume traded as a percentage of soal in that class on the control of the control o	lotal in that class  80.00  20.00  0,000  0,000  0,000  0,000  ed derivatives**  Proportion of orders executed as percentage of total in that class  0,00  0,000  0,000  0,000  allowances derivatives - Options and futures admitts  Proportion of orders executed as percentage of total in that class  0,000	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	100,00   1
per business day in the previous year rope for the previous year and the previous the terms of trading volumes to the previous year and the previous year for the previous of the previous of the previous year for the previous of the previous year for the previous years and years are the previous years and years are the previous years and years are the previous years are the years	percentage of total in that class 8,00 20,00 0,00 0,00 0,00 0,00 0,00 0,0	lotal in that class 80,00 9,00 9,00 9,00 9,00 9,00 9,00 9,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	100,00   1
per business day in the previous year or property of the previous of the previ	percentage of total in that class  8.00  9.00  0.00  0.00  0.00  0.00  Securitized derivatives - Other securitize from the securitize of the securitization of the securitiz	lotal in that class  80,00  20,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  proportion of orders executed as percentage of total in that class  0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	100,00   1
per business day in the previous year and the previous the terms of trading volumes and the provious the terms of trading volumes and the previous for the previous days and the previous of trading volumes (descending order) and the previous of trading volumes (descending order) and the previous days and the	percentage of total in that class  8.00  20.00  0.00  0.00  0.00  0.00  0.00  Securitized derivatives - Other securitize of the securitization of the securitization of the securitization of th	botal in that class  80,00  20,00  0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	100,00   1
per business day in the previous region representation of the previous region to the previous region of the remotification of the previous region of the remotification of the previous region of the remotification of th	percentage of total in that class 8,00 20,00 0,00 0,00 0,00 0,00 0,00 0,0	lotal in that class  80,00  20,00  0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	100,00   1
per business day in the previous Top five execution venues ranked disconnection for the previous top the pre	percentage of total in that class 8,00 20,00 0,00 0,00 0,00 0,00 0,00 0,0	lotal in that class  80,00  20,00  0,00  0,00  0,00  0,00  0,00  0,00  ed derivatives**  Proportion of orders executed as percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00  Proportion of orders executed as percentage of total in that class  100,00  0,00  0,00  20,000	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of aggressive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	100,00   1
per business day in the previous (Pop Programs of Prog	percentage of total in that class  20,00  20,00  0,00  0,00  0,00  Securitized derivatives - Other securitized derivatives - Other securitized derivatives - Other securitized derivatives - Other securitized of total in that class  0,00  0,00  0,00  0,00  0,00  Commodities derivatives and emission Retail Client ves  100,00  0,00  Commodities derivatives and emission Retail Client ves  100,00  0,00	lotal in that class  80.00  20.00  0.00  0.00  0.00  0.00  Proportion of orders executed as percentage of otal in that class  80.00  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	100,00   100,00   100,00   0
per business day in the previous from the control of the period of the control of	percentage of total in that class 8,00 20,00 0,00 0,00 0,00 0,00 0,00 0,0	total in that class  80,00  20,00  0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Documentage of aggressive orders  Percentage of aggressive orders  0,00	100,00   100,00   100,00   100,00   0,00
per business day in the previous Top five execution venues raised disconnections of the province of the provin	percentage of total in that class 8,00 20,00 10,00 0,00 0,00 0,00 0,00 0,00	lotal in that class  80,00  20,00  0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of aggressive orders  DOD  DOD  DOD  DOD  DOD  DOD  DOD  D	100,00   1
per business day in the previous Top five execution venues ranked disconnection for the province of the provin	percentage of total in that class  8.00  20.00  0,00  0,00  0,00  0,00  0,00  Securitized derivatives - Other securitis Professional client  a.  a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  Commodities derivatives and emission Retail Client  yes  Commodities derivatives and emission Retail Client  proportion of volume traded as a percentage of total in that class  0,00  0,00  Commodities derivatives and emission Retail Client  proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  Commodities derivatives and emission Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  Commodities derivatives and emission Retail Client  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Commodities derivatives and emission Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class as percentage of sola in that class as pe	lotal in that class  80,00  20,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  end derivatives**  Proportion of orders executed as percentage of total in that class  0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Do D	100,00   1
per business day in the previous Propriet State of Instrument Class of Instrument Clas	percentage of total in that class  8.00  20.00  0.00  0.00  0.00  0.00  Securitized derivatives - Other securitize professional client  n.a.  Proportion of volume traded as a percentage of total in that class  Commodities derivatives and emission Retail Client  10.00	lotal in that class  80,00  20,00  0,00  0,00  0,00  0,00  Proportion of orders executed as percentage of total in that class  0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Dool 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	100,00   1

	L.				
year Top five brokers ranked in terms	Proportion of volume traded as a				
of trading volumes (descending order)	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
JP Morgan n.a.	100,00 0,00	100,00 0,00	99,56 0,00	0,44 0,00	100,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year	Commodities derivatives and emission Professional client n.a.	allowances derivatives - Options and futures admitt	ed to trading on a trading venue*		
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00 0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year	Commodities derivatives and emission Professional client n.a.	allowances derivatives - Options and futures admitb	ed to trading on a trading venue**		
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order)	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	00,0 0,00	0,00	0,00	0,00 0,00	0,00 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms of trading volumes (descending order) n.a. n.a. n.a.	Retail Client  n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00	Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00	Percentage of aggressive orders 0,00 0,00 0,00	Percentage of directed orders 0,00 0,00 0,00
n.a. n.a.	0,00 0,00	0,00	0,00 0,00	0,00 0,00	0,00 0,00
Notification if < 1 average trade per business day in the revious year Top five execution venues ranked in terms of trading volumes (descending order) n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	n.a.  Proportion of volume traded as a percentage of total in that class  0,00  0,00  0,00  0,00  0,00  0,00	Proportion of orders executed as percentage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00	Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00 0.00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Retail Client  n.a.  Proportion of volume traded as a	allowances derivatives - Other commodities	ves and emission allowances derivatives		
n.a.	percentage of total in that class 0,00 0,00 0,00 0,00 0,00 0,00 0,00	total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	Percentage of aggressive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00	Percentage of directed orders  0,00 0,00 0,00 0,00 0,00 0,00 0,00
(descending order) n.a. n.a. n.a. n.a. Class of instrument Class of Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms	0,00 0,00 0,00 0,00 0,00 0,00 Commodities derivatives and emission Professional client n.a. Proportion of volume traded as a	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 ves and emission allowances derivatives	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00
(descending order) n.n.a. n.a. n.a. n.a. n.a. n.a. n.a. n	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Commodities derivatives and emission Professional client	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00
detecting order) 1.3. 1.3. 1.3. 1.3. 1.3. 1.3. 1.3. 1.3	0,00 0,00 0,00 0,00 0,00 0,00 Commodities derivatives and emission Professional client 6.a. Proportion of volume traded as a percentage of soal in that class	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Percentage of aggressive orders 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Percentage of directed orders 0,00
(descending order) n.a. n.a. n.a. n.a. n.a. n.a. n.a. n.a	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
(descending order)  11. 1	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Percentage of directed orders 0,00 0,00
(descending order) 11. 1	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 essain allowances derivatives  Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
descending order)  1.2.1  1.3.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 establishment of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
descending order)  1.2.1  1.3.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
descending order)  1.3. 1.3. 1.3. 1.3. 1.3. 1.3. 1.3. 1.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
(descending order)  A.A. A.A. A.A. A.A. A.A. A.A. A.A. A	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0
(descending order) 11. 1	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of aggressive orders  Documents  Documents	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
(descending order)  11. 1	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of aggressive orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
(descending order)  n.a.  n.a.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00  Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	Percentage of aggressive orders  DOD  DOD  DOD  DOD  DOD  DOD  DOD  D	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0

and emission allowances derivatives - Options and futures admitted to trading on a trading venue

Class of Instrument Commodities deriv.
Client Classification Professional client
Notification if < 1 average trade

Client Classification Re Notification if < 1 average trade per business day in the previous year n.a Top five brokers ranked in terms of trading volumes (descending	ontracts for difference etail Client .a.				
Notification if < 1 average trade per business day in the previous year  Iop five brokers ranked in terms of trading volumes (descending order)  n.a.  n.a.  n.a.  n.a.	a.				
year nz from the rose of trading volumes (descending order) pe n.a. n.a. n.a. n.a.	a.				
of trading volumes (descending proder) pe n.a. n.a. n.a. n.a.					
n.a. n.a. n.a.	roportion of volume traded as a	Proportion of orders executed as percentage of			
n.a.	ercentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00 0,00	0,00 0,00	0,00 0,00
	0,00	0,00	0,00	0,00	0,00
Class of Instrument Co	ontracts for difference*				
Client Classification Re Notification if < 1 average trade	etail Client				
per business day in the previous					
Top five execution venues ranked	a.				
	roportion of volume traded as a ercentage 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
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
	ontracts for difference** etail Client				
Notification if < 1 average trade per business day in the previous					
year n.a	a.				
Top five execution venues ranked in terms of trading volumes Pro	roportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) pe n.a.	ercentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Co	ontracts for difference				
Client Classification Pro Notification if < 1 average trade	rofessional client				
per business day in the previous					
year n.a Top five brokers ranked in terms	a.				
of trading volumes (descending order) Pro	roportion of volume traded as a ercentage 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
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00 0,00	0,00	0,00	0,00	0,00 0,00
	ontracts for difference* rofessional client				
Notification if < 1 average trade	oressional client				
per business day in the previous year n.a	a.				
	roportion of volume traded as a	Proportion of orders executed as percentage of			
	ercentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
	ontracts for difference**				
Client Classification Pro	ontracts for difference** rofessional client				
Client Classification Pro Notification if < 1 average trade per business day in the previous					
Client Classification  Notification if < 1 average trade per business day in the previous year  Top five execution venues ranked	rofessional client				
Client Classification Problem		Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Client Classification Pro- Notification if < 1 average trade per business day in the previous year n.t Top five execution venues ranked in terms of trading volumes Pro-	rofessional client  a.  coportion of volume traded as a	Proportion of orders executed as percentage of total in that class 0.00 0.00	Percentage of passive orders 0,00 0,00	Percentage of aggressive orders 0,00 0,00	
Client Classification Pro Notification if < 1 average trade per business day in the previous year n.a. Top five execution venues ranked in terms of trading volumes (descending order) pen.a. n.a. n.a. n.a.	a.	0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	Percentage of directed orders 0,00 0,00 0,00
Client Classification Pro Notification if < 1 average trade per business day in the previous year n. z. Top five execution venues ranked in terms of trading volumes (descending order) n.a. n.a.	a.  a. roportion of volume traded as a ercentage of total in that class  0,00  0,00	0,00 0,00	0,00	0,00 0,00	Percentage of directed orders 0,00 0,00
Gient Classification Provided	a.  a.  a.  a.  composition of volume traded as a a composition of volume traded as a composition of volume traded as a composition of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00
Gient Classification Proceedings of a survey and the processing of the previous prev	a.  a.  a.  a.  composition of volume traded as a a composition of volume traded as a composition of volume traded as a composition of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00
Gient Classification Proceedings of a survey and the processing of the previous prev	a.  roportion of volume traded as a errontage of total in that class  0.00  0.	total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00
Gient Classification Probotification if 1 average trade per business day in the previous probotification if 1 average trade per business day in the previous probotification in the previous probotification in the probotificat	a.  roportion of volume traded as a errontage of total in that class  0.00  0.	total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00
Glient Classification Pro- Notification if *1 average trade  per business day in the reviews for  per business day in the reviews for  per business day in the reviews for  per security for the review of  per former accustom venues radied  (descending volumes  per  per  p. a.  p. a.	a. a. coportion of volume traded as a a correctage of total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00 0.00
Glient Classification Pro- Notification if *1 average trade  per business day in the reviews for  per business day in the reviews for  per business day in the reviews for  per security for the review of  per former accustom venues rained  (descending volumes  per  per  p. a.  p. a.	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 Percentage of aggressive orders	Percentage of directed orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 Percentage of directed orders 0.00
Gient Classification Pro- Notification if 1 a average trade  per business day in the previous  year	a.  a. reportion of volume traded as a retentage of total in that class of total in the class of total i	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00	Percentage of directed orders 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.
Glient Classification Proportion of the Community of the	a. a	total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,
Glient Classification Proportion of the Community of the	a.  2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00
Glient Classification   Pro   South Classific	a.	total in that class  0,00 0,00 0,00 0,00 0,00 0,00 0,00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,
Gient Classification Problem Classification P	a.  a. reportion of volume traded as a recreating of their in that class of their interest of t	total in that class  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Proportion of orders executed as percentage of total in that class  0.00  0.00  0.00  0.00  0.00  0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,
Gient Classification   Pr.   Notification if *1 average trade per business day in the reviews   Pr.   Notification if *1 average trade   Pr.   Notification if *2 average trade   Pr.   Notification if *3 average trade   Pr.   Notification if *4 average trade   Pr.   Notification if *	a.	total in that class  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Proportion of orders executed as percentage of total in that class  0.00  0.00  0.00  0.00  0.00  0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,
Gient Classification   Private   Pri	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00  ded funds, exchange traded notes and exchange tr  total in that class 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,
Gient Classification   Pro   South Classifica	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 aded commodities;  Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0.00
Client Classification  Montfortation of 2 average trade per business day in the previous process of trading volumes discenseding order)  A	a.	total in that class  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  Proportion of orders executed as percentage of total in that class  0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 aded commodities;  Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0.00
Glient Classification   Pro- Notification if 1 average trade per business day in the previous   Pro- Notification if 1 average trade   Pro- Notification if 2 average trade   Pro- Notification if 2 average trade   Pro- Notification if 3 average trade	a.  a.  coportion of volume traded as a a creentage of fotal in that class  0.00  0.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 aded commodities;  Percentage of passive orders 0,00 0,00 0,00 0,00 percentage of passive orders 1,17 percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0,00
Glent Classification   Proceedings   Proceedings   Procedings   Proced	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00  percentage of passive orders 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Glient Classification Proceedings of the Community of the	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00 0,00 aded commodities;  Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  100,00  100,00  100,00
Glient Classification Proportion of the Community of the	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  100,00  100,00  100,00
Class of Instrument  Class of	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  100,00  100,00  100,00
Class of Instrument Class	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  100,00  100,00  100,00
Class of Instrument Class	a.  a.  a.  a.  a.  a.  a.  a.  coportion of volume traded as a a creentage of focal in that class  0.00  0.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0.00
Gient Classification   Pro- Notification if 1 a average trade  per business day in the previous  previous   1	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  Percentage of directed orders  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  0,00  100,00  100,00  100,00
Glient Classification   Pr.	a.  a.  a.  coportion of volume traded as a a recreatage of footal in that class  0.00  0.	trotal in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	Percentage of passive orders  Do 0,00  Do 0,00	0,00   0,00	Percentage of directed orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Client Classification Proceedings of the Processing Pro	a.	total in that class  0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,0	Percentage of directed orders  0.00 0.00 0.00 0.00 0.00 0.00 0.00 0

Class of Instrument	Exchange traded products (Exchange to	raded funds, exchange traded notes and exchange tr	aded commodities		
Client Classification Notification if < 1 average trade	Professional client				
per business day in the previous year Top five brokers ranked in terms	n.a.				
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
n.a. n.a.	0,00 0,00	0,00	0,00 0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year	Exchange traded products (Exchange to Professional client	raded funds, exchange traded notes and exchange tr	aded commodities)*		
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) Tradegate	percentage of total in that class 100,00	total in that class 100,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 100,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00 0,00	0,00	0,00 0,00	0,00 0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Exchange traded products (Exchange tr Professional client yes	raded funds, exchange traded notes and exchange tr	aded commodities)**		
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 Stuttgart	98,32 1,68	98,25 1,75	14,29 0,00	78,57 0,00	100,00 100,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five brokers ranked in terms	Emission allowances Retail Client n.a.				
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
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Emission allowances* Retail Client n.a.				
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
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.  Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes	0,00  Emission allowances** Retail Client  n.a.  Proportion of volume traded as a	0,00  Proportion of orders executed as percentage of	0,00	0,00	0,00
(descending order)	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Too five brokers ranked in terms	Emission allowances Professional client n.a.				
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
n.a. n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.  Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year	0,00  Emission allowances* Professional client	0,00	0,00	0,00	0.00
Top five execution venues ranked in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	Percentage of aggressive orders 0,00	Percentage of directed orders 0,00
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00 0,00
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00 0,00
Class of Instrument Client Classification Notification if < 1 average trade per business day in the previous year Top five execution venues ranked	Emission allowances** Professional client n.a.				
I op 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
n.a. n.a.	0,00	0,00	0,00	0,00 0,00	0,00 0,00
n.a. n.a.	0,00	0,00	0,00 0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00

Client Classification	Retail Client	Client				
Notification if < 1 average trade						
per business day in the previous						
year	n.a.					
Top five brokers ranked in terms						
of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of				
order)	percentage of total in that class	total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
n.a.	0,00	0,00	0,00	0,00	0,00	
n.a.	0,00	0,00	0,00	0,00	0,00	
n.a.	0,00	0,00	0,00	0,00	0,00	
n.a.	0,00	0,00	0,00	0,00	0,00	
n.a.	0,00	0,00	0,00	0,00	0,00	

Class of instrument	Other instruments*					
Client Classification	Retail Client	Client				
Notification if < 1 average trade						
per business day in the previous						
	n.a.					
Top five execution venues ranked						
in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of				
				Percentage of aggressive orders	Percentage of directed orders	
	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	0,00	0,00	
	percentage of total in that class	total in that class	Percentage of passive orders			
	percentage of total in that class 0,00 0,00 0,00	0,00 0,00 0,00 0,00	Percentage of passive orders 0,00 0,00 0,00	0,00 0,00 0,00	0,00 0,00 0,00	
	percentage of total in that class 0,00 0,00	0,00 0,00	Percentage of passive orders 0,00 0,00	0,00	0,00	

Class of Instrument	Other instruments**					
Client Classification	Retail Client	I Client				
Notification if < 1 average trade						
per business day in the previous						
year	yes					
Top five execution venues ranked						
in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of				
(descending order)	percentage of total in that class	total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
Frankfurt	42,49	40,17	0,00	0,00	100,00	
Stuttgart	25,52	10,48	0,00	0,00	100,00	
Tradegate	17,39	18,78	0,00	0,00	100,00	
Hamburg	4,32	4,37	0,00	0,00	100,00	
Discolded	2.00	2.02	0.00	0.00	100.00	

Class of Instrument	Other instruments	x instruments				
Client Classification	Professional client					
Notification if < 1 average trade	1					
per business day in the previous						
year	n.a.					
Top five brokers ranked in terms						
of trading volumes (descending	Proportion of volume traded as a	Proportion of orders executed as percentage of				
order)	percentage of total in that class	total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders	
n.a.	0,00	0,00	0,00	0,00	0,00	
n.a.	0,00	0,00	0,00	0,00	0,00	
n.a.	0,00	0,00	0,00	0,00	0,00	
n.a.	0,00	0,00	0,00	0,00	0,00	
n.a.	0,00	0,00	0,00	0,00	0,00	

Class of Instrument	Other instruments*	instruments*				
Client Classification	Professional client	ssional client				
Notification if < 1 average trade						
per business day in the previous						
year	n.a.					
Top five execution venues ranked						
in terms of trading volumes	Proportion of volume traded as a					
	Proportion of volume traded as a	Proportion of orders executed as percentage of				
				Percentage of aggressive orders	Percentage of directed orders	
				Percentage of aggressive orders 0,00	Percentage of directed orders 0,00	
(descending order)	percentage of total in that class	total in that class	Percentage of passive orders			
(descending order) n.a.	percentage of total in that class 0,00	total in that class 0,00	Percentage of passive orders 0,00	0,00	0,00	
(descending order) n.a. n.a.	percentage of total in that class 0,00 0,00	0,00 0,00	Percentage of passive orders 0,00 0,00	0,00	0,00	

Class of Instrument	Other instruments**				
Client Classification	Professional client				
Notification if < 1 average trade	Ī				
per business day in the previous					
year	n.a.				
Top five execution venues ranked					
in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of			
(descending order)	percentage of total in that class	total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
n.a.	0,00	0,00	0,00	0,00	0,00
	0.00	0.00	0.00	0.00	0.00

Class of Instrument	Securities financing transactions (SFT) for all financial instruments 1)*		
Client Classification	Retail Client		
Notification if < 1 average trade			
per business day in the previous			
year	n.a.		
Top five execution venues ranked			
in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of	
(descending order)	percentage of total in that class	total in that class	
n.a.	0,00	0,00	
n a	0.00	0.00	

n.a. 0,00 0,00

1) There are no customer orders in 2020. Therefore, the zero report refers to all financial instruments.

Class of Instrument	Securities financing transactions (SFT) for all financial instruments 1)**		
Client Classification	Retail Client		
Notification if < 1 average trade			
per business day in the previous			
year	n.a.		
Top five execution venues ranked			
in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of	
(descending order)	percentage of total in that class	total in that class	
n.a.	0,00	0,00	
n.a.	0.00	0.00	

1) There are no customer orders in 2020. Therefore, the zero report refers to all financial instruments.

Class of Instrument	Securities financing transactions (SFT) for all financial instruments 1)*		
Client Classification	Professional client		
Notification if < 1 average trade			
per business day in the previous			
year	n.a.		
Top five execution venues ranked			
in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of	
(descending order)	percentage of total in that class	total in that class	
n.a.	0,00	0,00	

1) There are no customer orders in 2020. Therefore, the zero report refers to all financial instruments.

Class of Instrument	Securities financing transactions (SFT) for all financial instruments 1)**		
Client Classification	Professional client		
Notification if < 1 average trade			
per business day in the previous			
year	n.a.		
Top five execution venues ranked			
in terms of trading volumes	Proportion of volume traded as a	Proportion of orders executed as percentage of	
(descending order)	percentage of total in that class	total in that class	
n.a.	0,00	0,00	
n.a.	0.00	0.00	

1) There are no customer orders in 2020. Therefore, the zero report refers to all financial instruments.

<sup>\*</sup> report for customers from Hanover
\*\* report for customers from Bremen and Oldenburg