Top 5 Reporting (Broker) - Baader Bank Asset Management & Services

Period 1.1.2022 - 31.12.2022 Client Category: Professional Clients



Class of Instrument	Equit	ies - Shares and Depositary	Receipts witho	ut liquitdy band	
Notification if <1 average trade per business day in the previous year		N			
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	65,33%	46,73%	4,00%	96,00%	0,00%
UBS Europe SE, 5299007QVIQ7IO64NX37	13,13%	0,48%	0,00%	100,00%	0,00%
KEPLER CHEUVREUX, 9695005EOZG9X8IRJD84	4,51%	1,72%	57,44%	42,56%	0,00%
Joh. Berenberg, Gossler & Co. KG, 529900UC2OD7II24Z667	3,47%	3,64%	68,97%	31,03%	0,00%
DBS Vickers Securities (Singapore) PTE LTD, 54930003J3Y06S614573	3,15%	36,34%	0,00%	100,00%	0,00%

Class of Instrument	Equities - S	Shares and Depositary Rece	eipts: Tick size li	quidity bands 5 and	16
Notification if <1 average trade per business day in the previous year		N			
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	53,25%	62,05%	2,75%	97,25%	0,00%
Morgan Stanley Europe SE, 54930056FHWP7GIWYY08	10,18%	11,23%	71,07%	28,93%	0,00%
SANFORD C. BERNSTEIN LIMITED, 54930049G8WQ5OOUSD19	8,17%	2,21%	48,02%	51,98%	0,00%
UBS Europe SE, 5299007QVIQ7IO64NX37	2,64%	1,08%	34,86%	65,14%	0,00%
KEPLER CHEUVREUX, 9695005EOZG9X8IRJD84	2,43%	3,31%	67,17%	32,83%	0,00%

Class of Instrument	Equities - Shares and Depositary Receipts: Tick size liquidity bands 3 and 4				
Notification if <1 average trade per business day in the previous year		N			
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	41,64%	33,67%	7,69%	92,31%	0,00%
Morgan Stanley Europe SE, 54930056FHWP7GIWYY08	16,48%	16,83%	63,36%	36,64%	0,00%
KEPLER CHEUVREUX, 9695005EOZG9X8IRJD84	10,75%	14,79%	70,84%	29,16%	0,00%
SANFORD C. BERNSTEIN LIMITED, 54930049G8WQ5OOUSD19	4,66%	0,74%	59,00%	41,00%	0,00%
Joh. Berenberg, Gossler & Co. KG, 529900UC2OD7II24Z667	4,33%	5,99%	76,01%	23,99%	0,00%

Class of Instrument	Equities - S	Shares and Depositary Rece	ipts: Tick size li	quidity bands 1 and	12
Notification if <1 average trade per business day in the previous year		N			
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of		Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	60,07%	51,87%	4,81%	95,19%	0,00%
SANFORD C. BERNSTEIN LIMITED, 54930049G8WQ5OOUSD19	6,64%	3,47%	8,24%	91,76%	0,00%
Morgan Stanley Europe SE, 54930056FHWP7GIWYY08	6,35%	7,50%	49,01%	50,99%	0,00%
KEPLER CHEUVREUX, 9695005EOZG9X8IRJD84	5,77%	7,95%	60,42%	39,58%	0,00%
Hauck Aufhaeuser Lampe Privatbank AG, 52990000ZP78CYPYF471	3,98%	2,07%	0,00%	100,00%	0,00%

Class of Instrument	Debt Instruments: Bonds				
Notification if <1 average trade per business day in the previous year		Y	,		
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
Tradition London Clearing Limited, 549300035Z3DHK2T4A54	18,06%	7,71%	0,00%	100,00%	0,00%
Citigroup Global Markets Europe AG, 6TJCK1B7E7UTXP528Y04	15,21%	10,06%	0,00%	19,15%	0,00%
Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	12,26%	19,06%	0,00%	94,38%	0,00%
J.P. Morgan S.E., 549300ZK53CNGEEI6A29	6,04%	1,93%	0,00%	88,88%	0,00%
Goldman Sachs International, W22LROWP2IHZNBB6K528	5,48%	2,57%	0,00%	91,67%	0,00%

Class of Instrument	Debt Instruments: Money Markets				
Notification if <1 average trade per business day in the previous year	Ŷ				
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
DZ BANK AG Deutsche Zentral-Genossenschaftsbank, Frankfurt am Main, 529900HNOAA1KXQJUQ27	54,10%	44,83%	N.A.	N.A.	N.A.
Landesbank Baden-Wurttemberg, B81CK4ESI35472RHJ606	22,22%	27,59%	N.A.	N.A.	N.A.
DekaBank Deutsche Girozentrale, 0W2PZJM8XOY22M4GG883	14,10%	13,79%	N.A.	N.A.	N.A.
Landesbank Hessen-Thuringen Girozentrale, DIZES5CFO5K3I5R58746	4,76%	5,17%	N.A.	N.A.	N.A.
LGT Bank (Schweiz) AG, 5493007X1V6FZD1ZPT38	4,64%	5,75%	N.A.	N.A.	N.A.

Class of Instrument	Interest Rate Der	ivatives: Futures and Optio	ns Admitted to	Trading on a Tradin	ig Venue
Notification if <1 average trade per business day in the previous year		N			
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	86,35%	60,59%	N.A.	N.A.	N.A.
DZ BANK AG Zentral-Genossenschaftsbank, 529900HNOAA1KXQJUQ27	10,83%	20,38%	N.A.	N.A.	N.A.
UBS AG, BFM8T61CT2L1QCEMIK50	2.82%	19.03%	N.A.	N.A.	N.A.

Class of Instrument	Interest Rate Derivatives: Swaps, forwards, and other interest rates derivatives				ives
Notification if <1 average trade per business day in the previous year		Y	,		
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
J.P. Morgan AG, 549300ZK53CNGEEI6A29	54,13%	66,67%	N.A.	N.A.	N.A.

Class of Instrument	Credit Derivatives: Futures and Options Admitted to Trading on a Trading Venue				'enue
Notification if <1 average trade per business day in the previous year		١	(
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Class of Instrument	Credit Derivatives: Other dredit derivatives				
Notification if <1 average trade per business day in the previous year		Y	,		
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
Goldman Sachs Bank Europe SE, 8IBZUGJ7JPLH368JE346	100,00%	100,00%	N.A.	N.A.	N.A.

Class of Instrument	Currency Deriv	atives: Futures and Options	Admitted to Tra	ading on a Trading '	Venue
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders			- Child
Top five execution version ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of	Percentage of	Percentage o directed orders
Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank AG, 529900JFOPPEDUR61H13	66,31%	83,77%	N.A.	aggressive orders N.A.	N.A
M.M. Warburg & CO (AG & Co.) Kommanditgesellschaft auf Aktien, MZI1VDH2BQLFZGLQDO60 DZ BANK AG Zentral-Genossenschaftsbank, 529900HNOAA1KXQJUQ27	<u>33,21%</u> 0,46%	15,12% 0,94%	N.A. N.A.	N.A. N.A.	N./ N./
Class of Instrument	Currenc	/ Derivatives: Swaps, forwa		urrency derivatives	
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders			
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage o directed order
N.A.	N.A.	N.A.	N.A.	N.A.	N.A
Class of Instrument		Structured finan	co instrumente		
Notification if <1 average trade per business day in the previous year		Ŷ			
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage c
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed order N.A
Class of Instrument	Equity Derivat	ives: Futures and Options	Admitted to Tra	ding on a Trading V	enue
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders			
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class		Percentage of aggressive orders	Percentage of directed order
Baader Bank AG, 529900JFOPPEDUR61H13 M.M.Warburg & CO (AG & Co.) Kommanditgesellschaft auf Aktien, MZI1VDH2BQLFZGLQDO60	70,97% 27,20%	55,73% 16,32%	N.A. N.A.	N.A. N.A.	N.A N.A
UBS AG, BFM8T61CT2L1QCEMIK50 DZ BANK AG Zentral-Genossenschaftsbank, 529900HNOAA1KXQJUQ27	1,63% 0,14%	24,03% 3,83%	N.A. N.A.	N.A. N.A.	N.A N.A
VP Bank AG, MI3TLH1I0D580RE24Q14	0,04%	0,08%	N.A.	N.A.	N.4
Class of Instrument		quity Derivatives Success	and other coult	derivativos	
Class of Instrument Notification if <1 average trade per business day in the previous year		Equity Derivatives: Swaps a Y	ma other equity	uerivatives	
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order) UNICREDIT BANK AG, 2ZCNRR8UK830BTEK2170	of total in that class 20,85%	total in that class 19,21%		aggressive orders N.A.	directed order
Barclays Bank Ireland Public Limited Company, 2G5BKIC2CB69PRJH1W31 Credit Suisse Bank (Europe), S.A., 959800TMGPWX7NYM4R72	19,28% 16,59%	21,19% 19,21%	N.A.	N.A. N.A.	N./ N./
UBS AG, BFM8T61CT2LIQCEMIK50 BofA Securities Europe SA, 549300FH0WJAPEHTIQ77	8,45% 8,03%	7,28%	N.A.	N.A. N.A.	N./
Class of Instrument	Sec	uritized Derivatives: Warra	nts and Certifica	ite Derivatives	
Notification if <1 average trade per business day in the previous year	Proportion of volume	Properties of orders			
	traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Aktiengesellschaft, 529900JFOPPEDUR61H13	of total in that class 100,00%	total in that class 100,00%	passive orders 0,00%	aggressive orders 100,00%	directed order 0,009
N.A.	N.A.	N.A.	N.A.	N.A.	N.A
Class of Instrument		Securitized Derivatives: Otl	ner Securitized [Derivatives	
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders			
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class			Percentage of directed order
N.A.	N.A.	N.A.	N.A.	N.A.	N.A
Class of Instrument		modities derivatives and en			
Notification if <1 average trade per business day in the previous year		tions and Futures admitted	to trading on a t	rading venue	
Tan five averaging version ranked in forme of frading velopmen (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of	Percentage of	Percentage of aggressive orders	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	N.A.	total in that class N.A.	N.A.		directed order N.A
				N.A.	
Class of Instrument	0	and the second			
Na Alfred and the second and a new boots and the second and the second		modities derivatives and en ommodities derivatives and		ces Derivatives:	
Notification if <1 average trade per business day in the previous year	Other c Proportion of volume	ommodities derivatives and Y Proportion of orders	emission allow	ces Derivatives: vances derivatives	
Top five execution venues ranked in terms of trading volumes (descending order)	Other c Proportion of volume traded as a percentage of total in that class	ommodities derivatives and Y Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed order
Top five execution venues ranked in terms of trading volumes (descending order)	Other c Proportion of volume traded as a percentage	ommodities derivatives and Y Proportion of orders executed as percentage of	emission allow Percentage of	ces Derivatives: vances derivatives	Percentage of directed order
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	Other c Proportion of volume traded as a percentage of total in that class	ommodities derivatives and Y Proportion of orders executed as percentage of total in that class N.A.	Percentage of passive orders N.A.	Percentage of aggressive orders	Percentage of directed order
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument	Other c Proportion of volume traded as a percentage of total in that class N.A.	ommodities derivatives and Proportion of orders executed as percentage of total in that class N.A. Contracts fo	Percentage of passive orders N.A.	Percentage of aggressive orders	Percentage of directed order
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument Notification if <1 average trade per business day in the previous year	Other c Proportion of volume traded as a percentage of total in that class N.A. Proportion of volume traded as a percentage	ommodities derivatives and Y Proportion of orders executed as percentage of total in that class N.A. Contracts fo Proportion of orders executed as percentage of	Percentage of passive orders N.A. r difference	Percentage of Percentage of RA.	Percentage directed order N.J Percentage
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	Other c Proportion of volume traded as a percentage of total in that class N.A. Proportion of volume	ommodities derivatives and Proportion of orders executed as percentage of total in that class N.A. Contracts fo Proportion of orders	Percentage of passive orders N.A. r difference	Percentage of aggressive orders N.A.	Percentage directed order N./ Percentage directed order
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	Other c Proportion of volume traded as a percentage of total in that class NA Proportion of volume traded as a percentage of total in that class	ommodities derivatives and Proportion of orders executed as percentage of total in that class N.A. Contracts fo Proportion of orders executed as percentage of total in that class N.A.	emission allow Percentage of passive orders N.A. Percentage of passive orders N.A.	Percentage of aggressive orders N.A.	Percentage directed order N.J Percentage directed order
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument 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. Class of Instrument	Other c Proportion of volume traded as a percentage of total in that class N.A. Proportion of volume traded as a percentage of total in that class N.A.	ommodities derivatives and Proportion of orders executed as percentage of total in that class N.A. Contracts fo Y Proportion of orders executed as percentage of total in that class	emission allow Percentage of passive orders N.A. Percentage of passive orders N.A.	Percentage of aggressive orders N.A. Percentage of aggressive orders N.A.	Percentage (directed order N./ Percentage (directed order N./
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument 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. Class of Instrument	Other c Proportion of volume traded as a percentage of total in that class N.A. Proportion of volume traded as a percentage of total in that class NA. (Exchange Trade Proportion of volume	ommodities derivatives and Proportion of orders executed as percentage of total in that class Contracts fo Contracts fo Proportion of orders executed as percentage of total in that class NA Exchange Traded Junds, Exchange Traded Y Proportion of orders	emission allow Percentage of passive orders N.A. r difference Percentage of passive orders N.A. ded Products Notes and Exch	Percentage of Aggressive orders Percentage of Aggressive orders N.A. Percentage of Aggressive orders N.A. Percentage of N.A. Percentage of N.A. Percentage of N.A.	Percentage - directed order NJ Percentage directed order NJ odities)
Top five execution venues ranked in terms of trading volumes (descending order) NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) NA. Class of Instrument Notification if <1 average trade per business day in the previous year	Other c Proportion of volume traded as a percentage of total in that class N.A. Proportion of volume traded as a percentage of total in that class N.A. (Exchange Trade	ommodities derivatives and Y Proportion of orders executed as percentage of total in that class N.A. Contracts fo Proportion of orders executed as percentage of total in that class N.A. Exchange Trad d Funds, Exchange Trad d Funds, Exchange Trad d	emission allow Percentage of passive orders N.A. Percentage of passive orders N.A.	Percentage of aggressive orders N.A. Percentage of aggressive orders N.A.	Percentage e directed order NJ Percentage e directed order Odities) Percentage e
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument 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. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) NA Bader Bank Akliengesellschaft, 529900JFOPPEDUR61H13	Other c Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. (Exchange Trade Proportion of volume traded as a percentage of total in that class 95,88%	ommodities derivatives and Y Proportion of orders executed as percentage of total in that class NA. Contracts fo Proportion of orders executed as percentage of total in that class NA. Exchange Traded Proportion of orders executed as percentage of total in that class Proportion of orders executed as percentage of total in that class 99,50%	emission allow Percentage of passive orders N.A. r difference Percentage of passive orders N.A. ded Products Notes and Exch Percentage of passive orders 26.27%	Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Anage Traded Comm Percentage of aggressive orders 73,73%	Percentage d directed order N/ Percentage d directed order Odities)
Cop five execution venues ranked in terms of trading volumes (descending order) VA. Class of Instrument Notification if <1 average trade per business day in the previous year	Other c Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. (Exchange Trade Proportion of volume traded as a percentage of total in that class	ommodities derivatives and Proportion of orders executed as percentage of total in that class Contracts fo Contracts fo Y Proportion of orders executed as percentage of total in that class N.A. Exchange Traded d Funds, Exchange Traded Y Proportion of orders executed as percentage of total in that class	emission allow Percentage of passive orders N.A. r difference Percentage of passive orders N.A. Jed Products Notes and Exch Percentage of passive orders	Percentage of Aggressive orders N.A.	Percentage directed orde N. Percentage directed orde odities) Percentage directed orde 0.00 0.00
Top five execution venues ranked in terms of trading volumes (descending order) VA. Class of Instrument Notification if <1 average trade per business day in the previous year	Other c Proportion of volume traded as a percentage of total in that class N.A. Proportion of volume traded as a percentage of total in that class N.A. (Exchange Trade Proportion of volume traded as a percentage of total in that class 0 to	ommodities derivatives and Proportion of orders executed as percentage of total in that class Contracts fo Contracts fo Proportion of orders executed as percentage of total in that class N.A. Exchange Traded Froportion of orders executed as percentage of total in that class 99,50% 0,55%	emission allow Percentage of passive orders N.A. r difference Percentage of passive orders N.A. ded Products Notes and Exch Percentage of passive orders 26,27% 0,00% N.A.	Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders 73,73%	Percentage directed orde N. Percentage directed orde odities) Percentage directed orde 0.00 0.00
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument 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. Class of Instrument 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. Top five execution venues ranked in terms of trading volumes (descending order) Bader Bank Khiengeselischaft, 529900/FDPEDUR61H13 DDDD BHF SCA, 9695002I9DJHZ3449066 N.A. Class of Instrument	Other c Proportion of volume traded as a percentage of total in that class INA Proportion of volume traded as a percentage of total in that class INA (Exchange Trade Proportion of volume traded as a percentage of total in that class INA	ommodities derivatives and Proportion of orders executed as percentage of total in that class Contracts fo Contracts fo Proportion of orders executed as percentage of total in that class Exchange Traded MAA Froportion of orders Proportion of orders executed as percentage of total in that class 99,50% 0,55% 0,55% NA	emission allow Percentage of passive orders N.A. r difference Percentage of passive orders N.A. ded Products Notes and Exch Percentage of passive orders 26,27% 0,00% N.A.	Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders 73,73%	Percentage directed orde N. Percentage directed orde odities) Percentage directed orde 0.00 0.00
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument 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. Class of Instrument 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. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Aktiengeselischaft, 529900JFOPPEDUR61H13 ODDO BHF SCA, 9695002I9DJHZ3449066 N.A. Class of Instrument Notification if <1 average trade per business day in the previous year	Other c Proportion of volume traded as a percentage of total in that class Proportion of volume traded as a percentage of total in that class Proportion of volume traded as a percentage of total in that class (Exchange Trade Proportion of volume traded as a percentage Proportion of volume Proportion of volume traded as a percentage Proportion of volume Proportion of volume traded as a percentage Proportion of volume traded as a percentage Proportion of volume Proportine Proportion of volume Proportine ProportineP	ommodities derivatives and Proportion of orders executed as percentage of total in that class Contracts fo Y 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 99,50% 0,50% 0,50% NA Emission a Proportion of orders executed as percentage of total in that class	emission allow Percentage of passive orders N.A. r difference Percentage of Passive orders N.A. ded Products Notes and Exch Percentage of passive orders 26.27% 0.0% N.A.	Percentage of Aggressive orders N.A.	Percentage (directed order NJ Percentage (directed order 0,000 0,000 NJ Percentage (
Top five execution venues ranked in terms of trading volumes (descending order) NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Aktiengeselischaft, 529900JFOPPEDUR61H13 ODDO BHF SCA, 9695002I9DJHZ3449O66 NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	Other c Proportion of volume traded as a percentage of total in that class N.A. Proportion of volume traded as a percentage of total in that class N.A. (Exchange Trade Proportion of volume traded as a percentage of total in that class 95.88% 4,12% N.A. Proportion of volume	ommodities derivatives and Proportion of orders executed as percentage of total in that class N.A. Contracts fo Proportion of orders executed as percentage of total in that class N.A. Exchange Traded Proportion of orders executed as percentage of total in that class 0,50% N.A. Emission a Proportion of orders	emission allow Percentage of passive orders N.A. r difference Percentage of Passive orders N.A. ded Products Notes and Exch Percentage of passive orders 26.27% 0.0% N.A.	Percentage of Aggressive orders N.A.	Percentage of directed order N/ Percentage of directed order directed order 0.005 0.
Top five execution venues ranked in terms of trading volumes (descending order) NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Aktiengeselischaft, 529900JFOPPEDUR61H13 ODDO BHF SCA, 9695002I9DJHZ3449O66 NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	Other c Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. (Exchange Trade Proportion of volume traded as a percentage of total in that class 99,88% 4,12% NA. Proportion of volume traded as percentage of total in that class	ommodities derivatives and Y Proportion of orders executed as percentage of total in that class N.A. Contracts fo Y Proportion of orders executed as percentage of total in that class N.A. Exchange Traded Proportion of orders executed as percentage of total in that class 0,50% 0,50% N.A. Emission a Y Proportion of orders executed as percentage of total in that class	emission allow Percentage of passive orders N.A. r difference Percentage of passive orders N.A. Ded Products Notes and Exch Percentage of passive orders 26,27% 0,00% N.A.	Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders 73,73% 100.00% N.A.	Percentage of directed order N/ Percentage of directed order directed order 0.005 0.
Top five execution venues ranked in terms of trading volumes (descending order) NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Klengeselischaft, 529900/PEDUR61H13 ODDO BHF SCA, 9695002I9DJHZ3449O66 NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Klengeselischaft, 529900/PEDUR61H13 ODD BHF SCA, 9695002I9DJHZ3449O66 NA. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) NA. Class of Instrument Class of Instrument	Other c Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. (Exchange Trade Proportion of volume traded as a percentage of total in that class 99,88% 4,12% NA. Proportion of volume traded as percentage of total in that class	ommodities derivatives and Y Proportion of orders executed as percentage of total in that class N.A. Contracts fo Y Proportion of orders executed as percentage of total in that class N.A. Exchange Traded Proportion of orders executed as percentage of total in that class 0,50% 0,50% N.A. Emission a Y Proportion of orders executed as percentage of total in that class	emission allow Percentage of passive orders N.A. r difference Percentage of passive orders N.A. ded Products Notes and Exch Percentage of passive orders 286.27% 0.00% N.A. Ilowances Percentage of passive orders N.A.	Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders 73,73% 100.00% N.A.	Percentage of directed order N/ Percentage of directed order directed order 0.005 0.
Top five execution venues ranked in terms of trading volumes (descending order) N.A. Class of Instrument 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. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Klengeselischaft, 529001/PDPEDUR61H13 DDD0 BHF SCA, 9695002I9DJHZ3449066 N.A. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Klengeselischaft, 529001/PDPEDUR61H13 DDD0 BHF SCA, 9695002I9DJHZ3449066 N.A. Class of Instrument 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. Class of Instrument Class of Instrument	Other c Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. (Exchange Trade Proportion of volume traded as a percentage of total in that class 95.88% 4,12% NA. Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class Proportion of volume traded as a percentage of total in that class NA. Proportion of volume traded as a percentage of total in that class NA.	ommodities derivatives and Y Proportion of orders executed as percentage of total in that class N.A. Contracts fo Y Proportion of orders executed as percentage of total in that class N.A. Exchange Traded Proportion of orders executed as percentage of total in that class 99.50% N.A. Emission a Y Proportion of orders executed as percentage of total in that class N.A. Emission a N.A. Cother Inst N.A. Y Proportion of orders	emission allow Percentage of passive orders N.A. r difference Percentage of passive orders N.A. ded Products Notes and Exch Percentage of passive orders 26.27% 0,00% N.A. Ilowances Percentage of passive orders Percentage of passive orders N.A. Itage of the second seco	Percentage of aggressive orders Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders Percentage of aggressive orders 73,73% 100,00% N.A. Percentage of aggressive orders N.A.	Percentage of directed order N.P Percentage of directed order 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.000000
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. Class of Instrument 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. Class of Instrument 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. Class of Instrument Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order) Baader Bank Aktiengeselischaft, 52990U/FOPPEDUR61H13 ODDO BHF SCA, 96950219DJH23449066 N.A. Class of Instrument 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. Class of Instrument 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. Class of Instrument 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. Class of Instrument 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.	Other c Proportion of volume traded as a percentage of total in that class NA. Of to	ommodities derivatives and Y Proportion of orders executed as percentage of total in that class Contracts fo Contracts fo Y Proportion of orders executed as percentage of total in that class N.A. Exchange Traded Funds, Exchange Traded Funds, Exchange Traded Y Proportion of orders executed as percentage of total in that class 99,50% 0,50% 0,50% N.A. Emission a Y Proportion of orders executed as percentage of total in that class N.A.	emission allow Percentage of passive orders N.A. r difference Percentage of passive orders N.A. ded Products Notes and Exch Percentage of passive orders 26.27% N.A. Illowances Percentage of passive orders R.A. Percentage of passive orders Percentage of passive orders Percentage of passive orders Percentage of passive orders Percentage of Percentage o	Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders N.A. Percentage of aggressive orders 73,73% 100.00% N.A.	Percentage o directed order N.A Percentage o directed order N.A

Class of Instrument	Securities financing transactions (SFTs) for a	II classes of instruments
Notification if <1 average trade per business day in the previous year	Y	
	Proportion of volume	Proportion of orders
	traded as a percentage	executed as percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class
N.A.	N.A.	N.A.

Top 5 Reporting (Venues) - Baader Bank Asset Management & Services

Period 1.1.2022 - 31.12.2022 Client Category: Professional Clients

BAADER /

Class of Instrument	Equities - Shares and Depositary Receipts without liquitdy band				
Notification if <1 average trade per business day in the previous year	Y				
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument	Equities - S	Shares and Depositary Rece	eipts: Tick size li	quidity bands 5 and	16
	Equities - S	Shares and Depositary Rece	eipts: Tick size li	quidity bands 5 and	16
Class of Instrument Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	(
Notification if <1 average trade per business day in the previous year	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Notification if <1 average trade per business day in the previous year 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
Notification if <1 average trade per business day in the previous year	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of directed orders N.A.
Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders

Class of Instrument	Equities - Shares and Depositary Receipts: Tick size liquidity bands 3 and 4				14
Notification if <1 average trade per business day in the previous year	Y				
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Class of Instrument	Equities - Shares and Depositary Receipts: Tick size liquidity bands 1 and 2				
Notification if <1 average trade per business day in the previous year	Y				
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Class of Instrument	Debt Instruments: Bonds				
Notification if <1 average trade per business day in the previous year		N			
	Proportion of volume	Proportion of orders			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
Bloomberg Trading Facility B.V. (MTF), BTFE, 254900QBKK4WBSO3GE51	91,40%	82,99%	0,00%	9,58%	0,00%
MarketAxess NL B.V. (OTF), MANL, 5299000UUYW66L5LT560	8,60%	17,01%	0,00%	0,49%	0,00%
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Class of Instrument	Debt Instruments: Money Markets					
Notification if <1 average trade per business day in the previous year		<u> </u>	(
	Proportion of volume	Proportion of orders				
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders	
Bloomberg Trading Facility B.V. (MTF), BTFE, 254900QBKK4WBSO3GE51	100,00%	100,00%	N.A.	N.A.	0,00%	
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Class of Instrument	Interest Rate Der	rivatives: Futures and Optic	ons Admitted to	Frading on a Tradir	ng Venue	
Notification if <1 average trade per business day in the previous year			(
	Proportion of volume	Proportion of orders				
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders	
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Class of Instrument	Interest Rate	e Derivatives: Swaps, forwa	rds, and other in	terest rates derivat	ives	
Notification if <1 average trade per business day in the previous year		N	(
	Proportion of volume	Proportion of orders				
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders	
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Class of Instrument	Credit Deriva	tives: Futures and Options	Admitted to Tra	ding on a Trading V	lenue	
		•				
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	ſ			
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class		aggressive orders	directed orders	
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Class of Instrument		Credit Derivatives: Ot	her dredit deriva	tives		
Notification if <1 average trade per business day in the previous year		١	(
	Proportion of volume	Proportion of orders				
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders	
Bloomberg Trading Facility B.V. (MTF), BTFE, 254900QBKK4WBSO3GE51	100,00%	100,00%	0,00%	2,94%	0,00%	
	,	,				

Class of Instrument	Currency Derivatives: Futures and Options Admitted to Trading on a Trading Venue					
Notification if <1 average trade per business day in the previous year		Y	,			
	Proportion of volume	Proportion of orders				
	traded as a percentage	executed as percentage of	Percentage of	Percentage of	Percentage of	
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders	
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

Class of Instrument Notification if <1 average trade per business day in the previous year	Currenc	y Derivatives: Swaps, forwa		urrency derivatives	
Nouncation il <1 average trade per business day in the previous year	Proportion of volume traded as a percentage	Proportion of orders	Percentage of	Percentage of	Percentage o
Fop five execution venues ranked in terms of trading volumes (descending order)	of total in that class	executed as percentage of total in that class		Percentage of aggressive orders	directed orders
Bloomberg Trading Facility B.V. (MTF), BTFE, 254900QBKK4WBSO3GE51 Bloomberg Trading Facility Limited, BMTF, 549300ROEJDDAXM6LU05	69,65% 30,35%	65,80% 34,20%	0,00%	100,00% 100,00%	N.A N.A
Class of Instrument Notification if <1 average trade per business day in the previous year		Structured finar	nce instruments		
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage o
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument	Equity Deriva	tives: Futures and Options	Admitted to Tra	ding on a Trading V	'enue
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	(
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument		Equity Derivatives: Swaps a	and other equity	derivatives	
Notification if <1 average trade per business day in the previous year		Equity Derivatives. Swaps a	and other equity	uenvauves	
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed orders
Class of Instrument	Sei	curitized Derivatives: Warra	nts and Certifica	te Derivatives	
Notification if <1 average trade per business day in the previous year	Proportion of volume	۲ Proportion of orders	(
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument Notification if <1 average trade per business day in the previous year		Securitized Derivatives: Ot	her Securitized I	Derivatives	
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument		modities derivatives and en ptions and Futures admitted			
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	(rading venue	
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of	Percentage of	Percentage of	Percentage of
N.A.	N.A.	total in that class N.A.	N.A.	aggressive orders N.A.	directed orders N.A.
Class of Instrument Notification if <1 average trade per business day in the previous year		modities derivatives and en commodities derivatives and			
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order)	of total in that class	total in that class	passive orders	aggressive orders	directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Class of Instrument		Contracts fo	or difference		
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	(
Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	Percentage of	Percentage of aggressive orders	Percentage of directed orders
N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
		Exchange Tra	ded Products		
Class of Instrument Notification if <1 average trade per business day in the previous year		ed Funds, Exchange Traded	Notes and Exch	ange Traded Comn	nodities)
	Proportion of volume traded as a percentage	Proportion of orders executed as percentage of	Percentage of	Percentage of	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class	passive orders N.A.	aggressive orders N.A.	directed orders N.A.
N.A.	N.A.	N.A.	N.A.		
Class of Instrument		Emission a	llowances		
Notification if <1 average trade per business day in the previous year	Proportion of volume	Proportion of orders	(
Too five execution version ranked in terms of trading values of the set	traded as a percentage	executed as percentage of total in that class	Percentage of	Percentage of aggressive orders	Percentage of
Top five execution venues ranked in terms of trading volumes (descending order) N.A.	of total in that class N.A.	total in that class N.A.	passive orders N.A.	aggressive orders N.A.	directed orders N.A.
		Other Ins	truments		
		Proportion of orders	Percentage of	Percentage of	Percentage of
	Proportion of volume traded as a percentage	executed as percentage of			directed orders
Class of Instrument 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.	Proportion of volume traded as a percentage of total in that class N.A.	executed as percentage of total in that class N.A.	passive orders N.A.	aggressive orders N.A.	N.A.
Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class	total in that class			
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.	traded as a percentage of total in that class N.A.	total in that class	N.A.	N.A.	
Notification if <1 average trade per business day in the previous year Top five execution venues ranked in terms of trading volumes (descending order)	traded as a percentage of total in that class N.A.	total in that class N.A.	N.A.	N.A.	