



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AA99
Equity instruments- Shar

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument	AA99				
	Equity instruments- Shar				
Tick Size	liquidity band A and liquidity band B				
Information on whether an average of < 1 trade per business day was executed in the previous year	N				
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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	99,84%	99,94%	100,00%	0,00%	100,00%
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	0,16%	0,06%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument	AA99				
	Equity instruments- Shar				
Tick Size	liquidity band C and liquidity band D				
Information on whether an average of < 1 trade per business day was executed in the previous year	N				
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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	99,85%	99,96%	100,00%	0,00%	100,00%
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	0,15%	0,04%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AA99
Equity instruments- Shar

Tick Size liquidity band E and liquidity band F

Information on whether an average of < 1 trade per business day was executed in the previous year N

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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	99,81%	99,22%	100,00%	0,00%	100,00%
UBS Europe SE (5299007QVIQ7IO64NX37)	0,10%	0,62%	100,00%	0,00%	100,00%
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	0,06%	0,12%	100,00%	0,00%	100,00%
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	0,03%	0,03%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AB99
Equity instruments- Shar

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AB99
Equity instruments- Shar

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed in the previous year N

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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AB99
Equity instruments- Shar

Tick Size liquidity band C and liquidity band D

Information on whether an average of < 1 trade per business day was executed in the previous year N

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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AB99
Equity instruments- Shar

Tick Size liquidity band E and liquidity band F

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument	AC99				
	Exchange traded product				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed in the previous year	N				
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
Jane Street Financial Ltd. (549300ZHEHX8M31RP142)	38,40%	35,73%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	28,30%	35,37%	100,00%	0,00%	100,00%
Flow Traders B V (549300CLJ9XDH12XV51)	22,89%	13,53%	100,00%	0,00%	100,00%
Optiver V.O.F. (7245009KRYSAYB2QCC29)	9,82%	14,90%	100,00%	0,00%	100,00%
Donner & Reuschel AG (23ZYQ4KSBEDVYML8NC86)	0,50%	0,44%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AC99
Exchange traded product

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AD99
other instruments

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed in the previous year N

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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AE99
other instruments

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AE99
other instruments

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument AE99
other instruments

Tick Size liquidity band C and liquidity band D

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument	BA10				
	Debt instruments				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed in the previous year	N				
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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	16,23%	12,38%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTFWZYICNSX8D621K86)	13,57%	10,27%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	12,42%	11,57%	100,00%	0,00%	100,00%
Barclays Bank PLC Ireland (2G5BKIC2CB69PRJH1W31)	8,41%	6,42%	100,00%	0,00%	100,00%
BofA Securities Europe SA (549300FH0WJAPEHTIQ77)	7,70%	5,55%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II
retail clients
financial year 2021

Class of Instrument	BA11				
	Debt instruments				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Soc Gen Paris (O2RNE8IBXP4R0TD8PU41)	38,95%	26,57%	100,00%	0,00%	100,00%
BNP Paribas Paris (R0MUWSFPU8MPRO8K5P83)	18,27%	12,89%	100,00%	0,00%	100,00%
Citigroup Global Markets EU (6TJCK1B7E7UTXP528Y04)	11,38%	10,72%	100,00%	0,00%	100,00%
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	7,32%	5,08%	100,00%	0,00%	100,00%
DZ Bank AG (529900HNOAA1KXQJUQ27)	6,17%	4,35%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument BA12
Debt instruments

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Barclays Bank PLC Ireland (2G5BKIC2CB69PRJH1W31)	38,54%	33,33%	100,00%	0,00%	100,00%
UniCredit Bank AG Mün (2ZCNRR8UK83OBTEK2170)	33,41%	33,33%	100,00%	0,00%	100,00%
Credit Suisse Bank Europe (959800TMGPWX7NYM4R72)	28,05%	33,33%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument BA13
Debt instruments

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Nordea Bk Finland Hels (529900ODI3047E2LIV03)	22,68%	37,41%	100,00%	0,00%	100,00%
Skandi Enskilda Bk Stock (F3JS33DEI6XQ4ZBPTN86)	11,12%	24,94%	100,00%	0,00%	100,00%
Nykredit Bank A/S (52965FONQ5NZKP0WZL45)	7,96%	12,47%	100,00%	0,00%	100,00%
DZ Bank AG (529900HNOAA1KXQJUQ27)	7,78%	2,74%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	7,15%	2,49%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument	BA14				
	Debt instruments				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed in the previous year	N				
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
Jane Street Financial Ltd. (549300ZHEHX8M31RP142)	8,42%	8,28%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	7,86%	7,81%	100,00%	0,00%	100,00%
BofA Securities Europe SA (549300FH0WJAPEHTIQ77)	7,81%	7,75%	100,00%	0,00%	100,00%
Barclays Bank PLC Ireland (2G5BKIC2CB69PRJH1W31)	6,20%	6,28%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	4,63%	4,67%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument	BA15				
	Debt instruments				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed in the previous year	N				
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
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	25,36%	69,17%	100,00%	0,00%	100,00%
Citigroup Global Markets EU (6TJCK1B7E7UTXP528Y04)	19,43%	3,87%	100,00%	0,00%	100,00%
Nomura Financial Products (5493002XYZZ0CGQ6CB58)	7,90%	1,59%	100,00%	0,00%	100,00%
Millennium Europe Limited (213800M4PALWKTSLLI88)	5,02%	0,96%	100,00%	0,00%	100,00%
Mizuho Securities EU GmbH (213800G8QEXN34A2YG53)	4,63%	0,87%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument BB99
Structured financial prod

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Jane Street Financial Ltd. (549300ZHEHX8M31RP142)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II
retail clients
financial year 2021

Class of Instrument	BD21				
	Equity derivatives				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument BE21
securitized derivatives

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument	BE99 securitized derivatives				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	37,09%	36,94%	100,00%	0,00%	100,00%
Raiffeisen Bank Intern. AG (9ZHRYM6F437SQJ6OUG95)	28,37%	28,60%	100,00%	0,00%	100,00%
Erste Group Bank AG Wien (PQOH26KWDF7CG10L6792)	16,25%	16,15%	100,00%	0,00%	100,00%
Millennium Europe Limited (213800M4PALWKTSLLI88)	12,20%	12,21%	100,00%	0,00%	100,00%
UBS Europe SE (5299007QVIQ7IO64NX37)	6,05%	6,02%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument	BF99				
	Exchange traded product				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed in the previous year	N				
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
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	86,47%	87,08%	100,00%	0,00%	100,00%
Optiver V.O.F. (7245009KRYSAYB2QCC29)	9,73%	9,27%	100,00%	0,00%	100,00%
Flow Traders B V (549300CLJ19XDH12XV51)	3,80%	3,64%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument	C999				
	no specific classification				
Tick Size	not used				
Information on whether an average of < 1 trade per business day was executed in the previous year	Y				
Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II retail clients financial year 2021

Class of Instrument CB99
 Other instruments

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%