



Top 5 intermediaries reporting regarding MIFID II professional 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	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)	87,61%	78,89%	100,00%	0,00%	100,00%
Commerzbank AG Ffm (851WYGNLUQLFZBSYGB56)	5,53%	10,70%	100,00%	0,00%	100,00%
UBS Europe SE (5299007QVIQ7IO64NX37)	5,33%	10,11%	100,00%	0,00%	100,00%
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	1,35%	0,21%	100,00%	0,00%	100,00%
FINNCAP LTD (213800DSWHX26RRA1N75)	0,14%	0,07%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional 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)	59,65%	60,91%	100,00%	0,00%	100,00%
UBS Europe SE (5299007QVIQ7IO64NX37)	23,94%	29,21%	100,00%	0,00%	100,00%
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	8,20%	8,00%	100,00%	0,00%	100,00%
Liquidnet EU Limited (2138005N5TO2UJR67I36)	5,91%	0,67%	100,00%	0,00%	100,00%
Baader Bank AG (529900JFOPPEDUR61H13)	0,89%	0,04%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional 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)	66,62%	71,50%	100,00%	0,00%	100,00%
Skandi Enskilda Bk Stock (F3JS33DEI6XQ4ZBPTN86)	10,61%	4,09%	100,00%	0,00%	100,00%
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	7,02%	14,51%	100,00%	0,00%	100,00%
Jefferies GmbH (5493004I3LZM39BWHQ75)	6,00%	0,13%	100,00%	0,00%	100,00%
Baader Bank AG (529900JFOPPEDUR61H13)	2,15%	0,03%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional 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)	73,10%	76,72%	100,00%	0,00%	100,00%
UBS Europe SE (5299007QVIQ7IO64NX37)	8,12%	5,53%	100,00%	0,00%	100,00%
Jefferies GmbH (5493004I3LZM39BWHQ75)	5,35%	1,14%	100,00%	0,00%	100,00%
Baader Bank AG (529900JFOPPEDUR61H13)	4,71%	2,94%	100,00%	0,00%	100,00%
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	3,67%	3,98%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II professional 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
BNP Paribas Paris (R0MUWSFPU8MPRO8K5P83)	69,12%	15,11%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	30,88%	84,89%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional 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)	84,43%	96,90%	100,00%	0,00%	100,00%
UBS Europe SE (5299007QVIQ7IO64NX37)	8,87%	0,21%	100,00%	0,00%	100,00%
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	6,69%	2,89%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II professional 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)	94,50%	85,22%	100,00%	0,00%	100,00%	
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	5,50%	14,78%	100,00%	0,00%	100,00%	



Top 5 intermediaries reporting regarding MIFID II professional 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%



Top 5 intermediaries reporting regarding MIFID II professional 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
Flow Traders B V (549300CLJI9XDH12XV51)	29,50%	33,79%	100,00%	0,00%	100,00%
Jane Street Financial Ltd. (549300ZHEHX8M31RP142)	24,58%	29,62%	100,00%	0,00%	100,00%
Optiver V.O.F. (7245009KRY SAYB2QCC29)	19,91%	14,99%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	19,50%	15,22%	100,00%	0,00%	100,00%
Donner & Reuschel AG (23ZYQ4KS BEDVYML8NC86)	4,67%	5,40%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional 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
Flow Traders B V (549300CLJI9XDH12XV51)	93,22%	93,25%	100,00%	0,00%	100,00%
Jane Street Financial Ltd. (549300ZHEHX8M31RP142)	6,78%	6,75%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II professional 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)	84,70%	84,95%	100,00%	0,00%	100,00%	
Liquidnet EU Limited (2138005N5TO2UJR67I36)	7,83%	8,36%	100,00%	0,00%	100,00%	
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	7,46%	6,69%	100,00%	0,00%	100,00%	



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Top 5 intermediaries reporting regarding MIFID II professional 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
OCTO FINANCES SA (969500378YE4MLGK0898)	81,67%	78,86%	100,00%	0,00%	100,00%
Goldman Sachs Bk Europe SE (8IBZUGJ7JPLH368JE346)	10,55%	10,28%	100,00%	0,00%	100,00%
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	3,95%	3,82%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	3,36%	6,56%	100,00%	0,00%	100,00%
Millennium Europe Limited (213800M4PALWKTSLLI88)	0,48%	0,48%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional 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
Liquidnet EU Limited (2138005N5TO2UJR67I36)	53,74%	10,19%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	46,26%	89,81%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional 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%



Top 5 intermediaries reporting regarding MIFID II professional 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
Deutsche Bk Ffm (7LTFZYICNSX8D621K86)	11,33%	10,29%	100,00%	0,00%	100,00%
BofA Securities Europe SA (549300FH0WJAPEHTIQ77)	10,40%	9,79%	100,00%	0,00%	100,00%
Soc Gen Paris (O2RNE8IBXP4R0TD8PU41)	9,22%	9,26%	100,00%	0,00%	100,00%
Citigroup Global Markets EU (6TJCK1B7E7UTXP528Y04)	9,09%	8,87%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	7,41%	8,27%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II professional 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
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	47,86%	23,14%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTFWZYICNSX8D621K86)	11,81%	5,45%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	7,29%	3,43%	100,00%	0,00%	100,00%
Toronto Dominion Bk Ldn (PT3QB789TSUIDF371261)	5,90%	3,13%	100,00%	0,00%	100,00%
Barclays Bank PLC Ireland (2G5BKIC2CB69PRJH1W31)	4,70%	5,15%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II professional 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
UniCredit Bank AG Mün (2ZCNRR8UK83OBTEK2170)	41,20%	44,00%	100,00%	0,00%	100,00%
OCTO FINANCES SA (969500378YE4MLGK0898)	18,38%	20,00%	100,00%	0,00%	100,00%
Barclays Bank PLC Ireland (2G5BKIC2CB69PRJH1W31)	14,23%	14,00%	100,00%	0,00%	100,00%
Zürcher Kantonalbk Zrch (165GRDQ39W63PHVONY02)	12,35%	6,00%	100,00%	0,00%	100,00%
Citigroup Global Markets EU (6TJCK1B7E7UTXP528Y04)	5,76%	8,00%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional 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
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	22,58%	22,10%	100,00%	0,00%	100,00%
NATIXIS S A (KX1WK48MPD4Y2NCUIZ63)	11,94%	12,11%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTFWZYICNSX8D621K86)	9,33%	9,18%	100,00%	0,00%	100,00%
Citigroup Global Markets EU (6TJCK1B7E7UTXP528Y04)	8,79%	8,56%	100,00%	0,00%	100,00%
DZ Bank AG (529900HNOAA1KXQJUQ27)	7,91%	8,03%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II professional 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
BofA Securities Europe SA (549300FH0WJAPEHTIQ77)	11,43%	10,41%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	9,94%	9,46%	100,00%	0,00%	100,00%
Jane Street Financial Ltd. (549300ZHEHX8M31RP142)	6,70%	5,97%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	5,42%	4,88%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTFWZYICNSX8D621K86)	4,76%	4,36%	100,00%	0,00%	100,00%



Top 5 intermediaries reporting regarding MIFID II professional 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	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
Citigroup Global Markets EU (6TJCK1B7E7UTXP528Y04)	19,86%	20,33%	100,00%	0,00%	100,00%
Toronto Dominion Bk Ldn (PT3QB789TSUIDF371261)	11,52%	10,52%	100,00%	0,00%	100,00%
Jefferies GmbH (5493004I3LZM39BWHQ75)	8,11%	7,71%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	8,06%	7,01%	100,00%	0,00%	100,00%
Barclays Bank PLC Ireland (2G5BKIC2CB69PRJH1W31)	5,45%	5,09%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II professional 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
ING Bk Adam (3TK20IVIUJ8J3ZU0QE75)	36,65%	38,00%	100,00%	0,00%	100,00%
Barclays Bank PLC Ireland (2G5BKIC2CB69PRJH1W31)	26,65%	27,63%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTFWZYICNSX8D621K86)	19,99%	20,73%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd (JUNT405OW8OY5GN4DX16)	7,12%	4,15%	100,00%	0,00%	100,00%
BofA Securities Europe SA (549300FH0WJAPEHTIQ77)	2,96%	3,11%	100,00%	0,00%	100,00%



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

Class of Instrument BD10
 other 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 professional 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 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)	100,00%	100,00%	100,00%	0,00%	100,00%



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

Class of Instrument BD24
 Currency derivatives

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)	100,00%	100,00%	100,00%	0,00%	100,00%



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

Class of Instrument BD99
 other derivatives

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)	100,00%	100,00%	100,00%	0,00%	100,00%



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

Class of Instrument BE21
securitized derivatives

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%



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Top 5 intermediaries reporting regarding MIFID II professional 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)	48,51%	48,17%	100,00%	0,00%	100,00%
Millennium Europe Limited (213800M4PALWKTSLLI88)	26,81%	26,76%	100,00%	0,00%	100,00%
Raiffeisen Bank Intern. AG (9ZHRYM6F437SQJ6OUG95)	21,35%	21,41%	100,00%	0,00%	100,00%
Erste Group Bank AG Wien (PQOH26KWDF7CG10L6792)	3,24%	3,21%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	0,09%	0,45%	100,00%	0,00%	100,00%



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Top 5 intermediaries reporting regarding MIFID II professional 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 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
Flow Traders B V (549300CLJI9XDH12XV51)	69,98%	65,80%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	27,58%	31,52%	100,00%	0,00%	100,00%
Optiver V.O.F. (7245009KRYSAYB2QCC29)	2,44%	2,68%	100,00%	0,00%	100,00%



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

Class of Instrument C999
no specific classification

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 professional clients financial year 2021

Class of Instrument C999
no specific classification

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 professional clients financial year 2021

Class of Instrument	CA99				
	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
UniCredit Bank AG Mün (2ZCNRR8UK83OBTEK2170)	38,73%	47,69%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTFWZYICNSX8D621K86)	28,62%	21,73%	100,00%	0,00%	100,00%
Barclays Bank PLC Ireland (2G5BKIC2CB69PRJH1W31)	25,45%	23,84%	100,00%	0,00%	100,00%
RBC Capital Markets Europe (549300SXSTGQY3EA1B18)	7,19%	6,74%	100,00%	0,00%	100,00%