

Class of Instrument	Equities - Shares & Depositary Receipts (T56)					
Notification if <1 average trade per business day in the previous year	No					
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders	
Bolsa de Madrid XMAD	31.56%	30.65%	68.03%	27.18%	0.00%	
Off Exchange Transactions XOFF	13.17%	0.11%	0.00%	0.00%	0.00%	
CHI-X Europe CHIX	9.43%	18.90%	76.97%	23.03%	0.00%	
MORGAN STANLEY AND CO. INTERNATIONAL PLC MSIP	8.01%	0.00%	0.00%	100.00%	0.00%	
MORGAN STANLEY EUROPE S.E SYSTEMAT IC INTERNALIS MESI	6.72%	13.13%	16.86%	21.67%	0.00%	
Interaction	Execution					
Report provided by LiquidMetrix						



Class of Instrument	Equities - Shares & Depositary Receipts (T34)					
Notification if <1 average trade per business day in the previous year	No					
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders	
Bolsa de Madrid XMAD	40.30%	49.62%	45.75%	47.70%	0.00%	
MORGAN STANLEY EUROPE S.E SYSTEMAT IC INTERNALIS MESI	9.10%	6.98%	25.96%	35.53%	0.00%	
Turquoise Dark TRQM	6.98%	1.22%	47.26%	36.30%	0.00%	
CHI-X Europe CHIX	4.89%	13.15%	59.02%	40.98%	0.00%	
Aquis Exchange AQXE	4.73%	6.61%	7.71%	92.29%	0.00%	
Interaction	Execution					
Report provided by LiquidMetrix						



Class of Instrument	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)					
Notification if <1 average trade per business day in the previous year	No					
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders	
Paris Stock Exchange XPAR	32.15%	7.82%	84.52%	15.48%	0.00%	
Bolsa de Madrid XMAD	19.63%	32.50%	56.45%	43.55%	0.00%	
MORGAN STANLEY EUROPE S.E SYSTEMAT IC INTERNALIS MESI	18.82%	14.15%	21.71%	17.11%	0.00%	
CHI-X Europe CHIX	10.96%	23.84%	46.09%	53.91%	0.00%	
TOWER RESEARCH CAPITAL EUROPE LTD TRS	8.66%	1.86%	0.00%	100.00%	0.00%	
Interaction	Execution					
Report provided by LiquidMetrix						



Class of Instrument	Equities - Shares & Depositary Receipts (T12)				
Notification if <1 average trade per business day in the previous year	Yes				
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders
Lisbon Stock Exchange XLIS	60.38%	44.74%	17.65%	70.59%	0.00%
CHI-X Europe CHIX	20.04%	18.42%	0.00%	100.00%	0.00%
Turquoise MTF TRQX	15.42%	18.42%	0.00%	100.00%	0.00%
BATS Europe BATE	4.16%	18.42%	0.00%	100.00%	0.00%
Interaction	Execution				
Report provided by LiquidMetrix					