

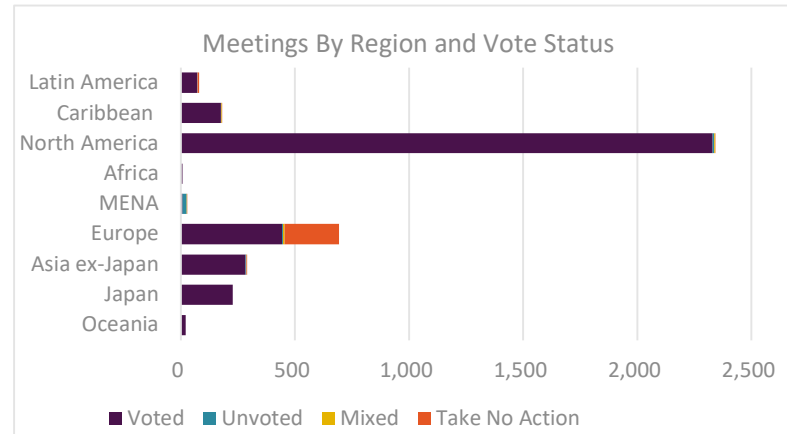


PROXY VOTING ACTIVITIES 01 January 2021 – 31 December 2021

Voting Activity by Region

The data presented in the chart and the table below is the number of company meetings at which one or more of the funds and accounts managed by Marshall Wace LLP (or its affiliates) had a shareholding that was eligible to vote.

The data is arranged by geographical location of the company domicile and is shown for the period 01 January 2021 – 31 December 2021.



Region	Country/Region	Voted	Unvoted	Mixed	No Action	Total
Total for all Regions		3,568	35	14	252	3,869
Americas						
	Canada	142	2			144
	United States	2,187	6	3	1	2,197
	Caribbean	176	1	2	1	180
	Latin America	72	1		7	80
APAC						
	Japan	227				227
	China	99		2		101
	Korea, Republic of	28				28
	Asia other	156	3		3	162
	Oceania	21				21
EMEA						
	Germany	153		2	1	156
	Netherlands	95	1		3	99
	UK, Ireland and UK territories	89			4	93
	Europe - other	108	3	4	230	345
	Middle East	7	18	1	2	28
	Africa	8				8

- MW takes no action in circumstances where voting may block shares from trading and other ad hoc cases.

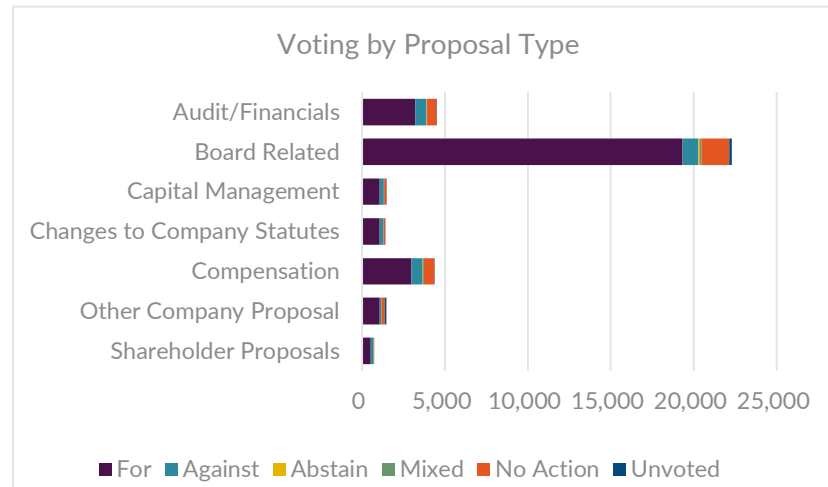


PROXY VOTING ACTIVITIES 01 January 2021 – 31 December 2021

Voting Activity by Proposal Type

The data presented in the chart and the table below is the number of proposals at company meetings at which one or more of the funds and accounts managed by Marshall Wace LLP (or its affiliates) had a shareholding that was eligible to vote.

The data is arranged by the proposal categories defined by the firm's proxy voting adviser Glass-Lewis and is shown for the period 01 January 2021 – 31 December 2021.



Proposal Category Type	For	Against	Abstain	Mixed	No Action	Unvoted	Total
Totals	29,302	2,961	173	234	3,291	360	36,468
Company Proposals							
Audit/Financials	3,216	672	20	15	579	28	4,530
Board Related	19,335	925	80	126	1,679	158	22,303
Capital Management	1,079	240	4	12	133	10	1,478
Changes to Statutes	1,072	203	30	2	85	15	1,407
Compensation	2,987	679	10	68	611	50	4,552
M&A	495	19	2	0	18	5	539
Meeting Administration	449	41	1	2	139	10	642
Other	136	22	15	2	32	84	291
Shareholder Proposals ("SHP")							
SHP: Compensation	29	14	2	0	1	0	46
SHP: Environment	76	6	3	0	0	0	85
SHP: Governance	259	133	4	7	14	0	417
SHP: Social	169	7	2	0	0	0	178
SHP: Miscellaneous	0	0	0	0	0	0	0

- Abstain refers to not voting at a proposal level. In some cases, particularly in the US, this is used as an equivalent to voting against.