

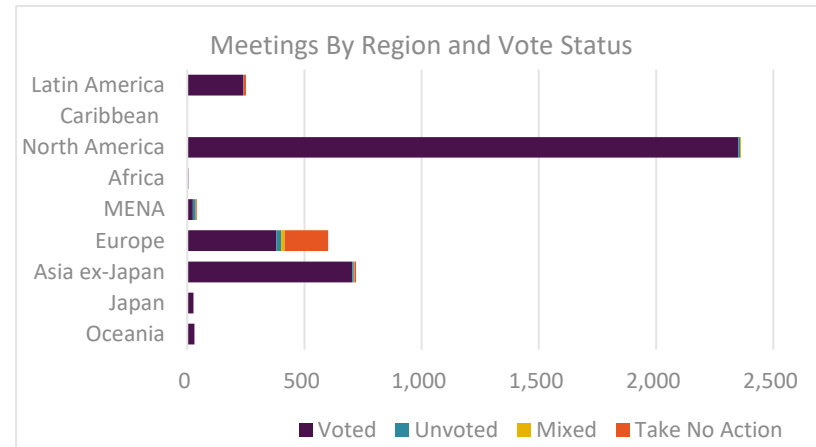


PROXY VOTING ACTIVITIES 01 January 2022 – 31 December 2022

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 2022 – 31 December 2022.



Region	Country/Region	Voted	Unvoted	Mixed	No Action	Total
Total for all Regions		3,763	45	26	203	4,037
Americas						
	Canada	117	2	0	0	119
	United States	2,235	4	4	0	2,243
	Caribbean	0	0	0	0	0
	Latin America	240	1	0	9	250
APAC						
	Japan	27	0	0	0	27
	China	597	5	3	5	610
	Korea, Republic of	26	0	0	0	26
	Asia other	81	1	0	2	84
	Oceania	31	0	0	0	31
EMEA						
	Germany	100	0	0	2	102
	Netherlands	73	0	1	4	78
	UK, Ireland and UK territories	77	0	1	1	79
	Europe - other	130	20	14	178	342
	Middle East	24	12	3	2	41
	Africa	5	0	0	0	5

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

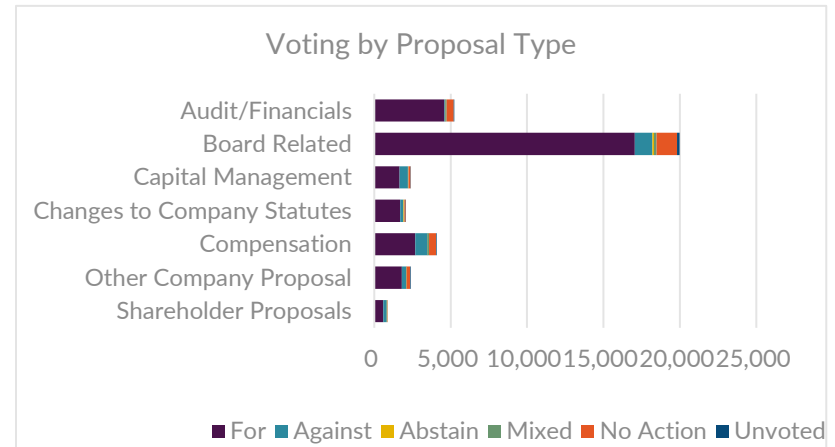


PROXY VOTING ACTIVITIES 01 January 2022 – 31 December 2022

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 2022 – 31 December 2022.



Proposal Category Type	For	Against	Abstain	Mixed	No Action	Unvoted	Total
Totals	30,240	3,302	218	380	2,720	300	
Company Proposals							
Audit/Financials	4,578	95	9	58	452	44	5,236
Board Related	17,050	1,144	103	182	1,334	162	19,975
Capital Management	1,658	543	13	31	131	6	2,382
Changes to Statutes	1,706	196	54	9	85	11	2,061
Compensation	2,863	801	4	80	467	36	4,251
M&A	557	12	3	0	7	3	582
Meeting Administration	682	129	1	2	103	8	925
Other	564	148	17	10	118	30	887
Shareholder Proposals ("SHP")							
SHP: Compensation	43	26	1	0	0	0	70
SHP: Environment	120	4	0	0	8	0	132
SHP: Governance	186	115	13	8	13	0	335
SHP: Social	11	9	0	0	0	0	20
SHP: Miscellaneous	222	80	0	0	2	0	304

- 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.