

# Historical cost data

**ISIN: DE000HB8ZU88**

Date	Cost Impact / Reduction in Yield (%)	Entry Costs (%)	Exit Costs (%)	Portfolio Transaction Costs per Year (%)	Other Ongoing Costs (%)
02.08.2022	0.28	0.09	0	0	0.19
05.08.2022	6.4	6.23	0	0	0.17
06.09.2022	7.31	7.31	0	0	0
19.09.2022	-4.49	-4.49	0	0	0
07.11.2022	16.36	16.36	0	0	0
09.12.2022	6.27	6.27	0	0	0
23.02.2023	0.7	4.6	-4	0	0.1
08.08.2022	9.75	9.75	0	0	0
09.08.2022	6.68	6.68	0	0	0
10.08.2022	6.84	6.84	0	0	0
11.08.2022	7.05	7.05	0	0	0
12.08.2022	6.45	6.45	0	0	0
15.08.2022	8.75	8.75	0	0	0
16.08.2022	6.55	6.55	0	0	0
17.08.2022	6.71	6.71	0	0	0
18.08.2022	9.61	9.61	0	0	0
19.08.2022	6.73	6.73	0	0	0
22.08.2022	-1.33	-1.33	0	0	0
23.08.2022	6.51	6.51	0	0	0
24.08.2022	6.85	6.85	0	0	0
25.08.2022	7	7	0	0	0
26.08.2022	6.82	6.82	0	0	0
29.08.2022	-2.52	-2.52	0	0	0
30.08.2022	7.05	7.05	0	0	0
31.08.2022	2.26	2.26	0	0	0
01.09.2022	10.25	10.25	0	0	0
02.09.2022	7.12	7.12	0	0	0
05.09.2022	-1.49	-1.49	0	0	0
07.09.2022	2.93	2.93	0	0	0
08.09.2022	6.33	6.33	0	0	0
09.09.2022	4.92	4.92	0	0	0

12.09.2022	7.62	7.62	0	0	0
13.09.2022	6.12	6.12	0	0	0
14.09.2022	6.93	6.93	0	0	0
15.09.2022	5.6	5.6	0	0	0
16.09.2022	8.08	8.08	0	0	0
20.09.2022	6.86	6.86	0	0	0
21.09.2022	6.76	6.76	0	0	0
22.09.2022	6.68	6.68	0	0	0
23.09.2022	9.89	9.89	0	0	0
26.09.2022	8.04	8.04	0	0	0
27.09.2022	7.93	7.93	0	0	0
28.09.2022	4.67	4.67	0	0	0
29.09.2022	8.48	8.48	0	0	0
30.09.2022	6.65	6.65	0	0	0
03.10.2022	3.96	3.96	0	0	0
04.10.2022	7.79	7.79	0	0	0
05.10.2022	7.98	7.98	0	0	0
06.10.2022	8.38	8.38	0	0	0
07.10.2022	5.36	5.36	0	0	0
10.10.2022	2.55	2.55	0	0	0
11.10.2022	8.5	8.5	0	0	0
12.10.2022	23.63	23.63	0	0	0
13.10.2022	9.13	9.13	0	0	0
14.10.2022	4.66	4.66	0	0	0
17.10.2022	7.27	7.27	0	0	0
18.10.2022	9.87	9.87	0	0	0
19.10.2022	6.9	6.9	0	0	0
20.10.2022	19.89	19.89	0	0	0
21.10.2022	5.82	5.82	0	0	0
24.10.2022	21.83	21.83	0	0	0
25.10.2022	4.1	4.1	0	0	0
26.10.2022	7.92	7.92	0	0	0
27.10.2022	5.9	5.9	0	0	0
28.10.2022	7.17	7.17	0	0	0
31.10.2022	8.29	8.29	0	0	0
01.11.2022	6.65	6.65	0	0	0
02.11.2022	6.62	6.62	0	0	0
03.11.2022	6.59	6.59	0	0	0
04.11.2022	6.57	6.57	0	0	0

08.11.2022	6.54	6.54	0	0	0
09.11.2022	7.22	7.22	0	0	0
10.11.2022	6.12	6.12	0	0	0
11.11.2022	6.19	6.19	0	0	0
14.11.2022	9.14	9.14	0	0	0
15.11.2022	6.29	6.29	0	0	0
16.11.2022	6.17	6.17	0	0	0
17.11.2022	5.7	5.7	0	0	0
18.11.2022	6.72	6.72	0	0	0
21.11.2022	4.03	4.03	0	0	0
22.11.2022	6.27	6.27	0	0	0
23.11.2022	6.36	6.36	0	0	0
24.11.2022	6.18	6.18	0	0	0
25.11.2022	6.22	6.22	0	0	0
28.11.2022	-5.8	-5.8	0	0	0
29.11.2022	6.48	6.48	0	0	0
30.11.2022	6.9	6.9	0	0	0
01.12.2022	6.18	6.18	0	0	0
02.12.2022	5.91	5.91	0	0	0
05.12.2022	0.85	0.85	0	0	0
06.12.2022	6.38	6.38	0	0	0
07.12.2022	6.85	6.85	0	0	0
08.12.2022	5.85	5.85	0	0	0
13.12.2022	6.46	6.36	0	0	0.1
14.12.2022	6.65	6.55	0	0	0.09
15.12.2022	6.49	6.38	0	0	0.11
16.12.2022	7.78	7.63	0	0	0.15
20.12.2022	6.57	6.47	0	0	0.11
21.12.2022	7.25	7.13	0	0	0.12
22.12.2022	6.64	6.54	0	0	0.09
23.12.2022	10.5	15.5	-5.2	0	0.1
28.12.2022	0.7	6.3	-5.6	0	0.1
29.12.2022	1.4	6.7	-5.5	0	0.1
30.12.2022	1.2	6.6	-5.5	0	0.1
03.01.2023	10.9	15.5	-4.7	0	0.1
04.01.2023	0.7	6	-5.4	0	0.1
05.01.2023	1.1	6.7	-5.7	0	0.1
06.01.2023	1.1	6.5	-5.6	0	0.1
10.01.2023	6.6	12	-5.5	0	0.1

11.01.2023	0.8	6.4	-5.7	0	0.1
12.01.2023	0.8	6.5	-5.8	0	0.1
13.01.2023	0.4	6.3	-5.9	0	0.1
18.01.2023	0.7	6.2	-5.7	0	0.1
19.01.2023	0.8	0.3	0.3	0	0.1
20.01.2023	0.8	6.6	-5.9	0	0.1
24.01.2023	0.7	6.5	-5.9	0	0.1
25.01.2023	0.4	5.9	-5.6	0	0.1
26.01.2023	0.8	6.4	-5.7	0	0.1
27.01.2023	0.7	6	-5.4	0	0.1
31.01.2023	0.7	6.3	-5.6	0	0.1
01.02.2023	5.5	10.8	-5.4	0	0.1
02.02.2023	0.4	5.3	-5	0	0.1
03.02.2023	0.3	4.8	-4.6	0	0.1
07.02.2023	4.2	7.7	-3.7	0	0.1
08.02.2023	0.6	4.4	-3.9	0	0.1
09.02.2023	0.4	4.1	-3.8	0	0.1
10.02.2023	4	7.7	-3.8	0	0.1
14.02.2023	0.7	4.6	-4	0	0.1
15.02.2023	0.4	4.2	-4	0	0.1
16.02.2023	0.4	4.3	-4	0	0.1
17.02.2023	0.6	4.4	-3.8	0	0.1
21.02.2023	0.4	4.2	-3.9	0	0.1
22.02.2023	0.4	4.4	-4.1	0	0.1
28.02.2023	0.4	4	-3.7	0	0.1
23.03.2023	0.6	3.1	-2.7	0	0.2
19.07.2023	0.9	0.7	-0.1	0	0.3
15.09.2023	1.2	1.5	-0.6	0	0.3
19.10.2023	2.3	1.6	0.4	0	0.3
24.02.2023	0.4	4.2	-3.9	0	0.1
01.03.2023	0.5	4.3	-3.9	0	0.1
02.03.2023	0.4	4.4	-4.1	0	0.1
03.03.2023	0.5	4.1	-3.7	0	0.1
07.03.2023	0.4	4.4	-4.1	0	0.1
08.03.2023	0.4	4.4	-4.1	0	0.1
09.03.2023	0.4	4.2	-3.9	0	0.1
10.03.2023	0.4	4.4	-4.1	0	0.1
14.03.2023	0.5	3.3	-2.9	0	0.1
15.03.2023	0.4	4.4	-4.1	0	0.1

16.03.2023	0.5	5.6	-5.2	0	0.1
17.03.2023	0.8	4.3	-3.7	0	0.1
21.03.2023	0.6	4.3	-4	0	0.2
22.03.2023	0.9	3.6	-2.9	0	0.2
24.03.2023	0.6	3	-2.7	0	0.2
28.03.2023	0.6	3	-2.7	0	0.2
29.03.2023	0.6	2.9	-2.5	0	0.3
30.03.2023	0.6	3.4	-3	0	0.2
31.03.2023	0.5	4.1	-3.8	0	0.2
04.04.2023	0.6	3.9	-3.6	0	0.3
05.04.2023	0.6	4.2	-3.9	0	0.3
06.04.2023	0.6	4.6	-4.3	0	0.3
11.04.2023	0.4	0.1	0.1	0	0.1
12.04.2023	0.6	4.1	-3.8	0	0.3
13.04.2023	0.6	4.4	-4.1	0	0.3
14.04.2023	0.6	4.3	-4	0	0.3
18.04.2023	0.6	4.3	-4	0	0.3
19.04.2023	0.6	4.3	-4	0	0.3
20.04.2023	0.6	4.3	-4	0	0.3
21.04.2023	4	7.8	-4.1	0	0.3
25.04.2023	0.6	4.2	-3.8	0	0.3
26.04.2023	0.6	4.2	-3.8	0	0.3
27.04.2023	0.7	4.5	-4.1	0	0.3
28.04.2023	0.7	3.8	-3.5	0	0.3
03.05.2023	0.7	4.1	-3.7	0	0.3
04.05.2023	1	4.3	-3.6	0	0.3
05.05.2023	0.6	2.9	-2.5	0	0.3
09.05.2023	0.6	4.1	-3.7	0	0.3
10.05.2023	0.7	3.6	-3.2	0	0.3
11.05.2023	0.7	4.2	-3.7	0	0.3
12.05.2023	0.7	3.9	-3.4	0	0.3
16.05.2023	0.7	3.8	-3.4	0	0.3
17.05.2023	0.7	4.2	-3.7	0	0.3
18.05.2023	0.7	4.2	-3.7	0	0.3
19.05.2023	0.7	4	-3.6	0	0.3
23.05.2023	0.6	4	-3.6	0	0.3
24.05.2023	0.7	4	-3.6	0	0.3
25.05.2023	0.8	3.8	-3.3	0	0.3
26.05.2023	0.8	4.4	-3.9	0	0.3

30.05.2023	0.7	3.1	-2.7	0	0.3
31.05.2023	0.7	2.9	-2.4	0	0.3
01.06.2023	0.8	2.6	-2.1	0	0.3
02.06.2023	0.7	2.7	-2.3	0	0.3
06.06.2023	0.7	1.6	-1.2	0	0.3
07.06.2023	0.7	1.9	-1.5	0	0.3
08.06.2023	0.8	1.9	-1.4	0	0.3
09.06.2023	0.8	1.6	-1.1	0	0.3
13.06.2023	0.7	2	-1.5	0	0.3
20.06.2023	0.8	1.4	-0.9	0	0.3
21.06.2023	0.9	1.3	-0.7	0	0.3
22.06.2023	1.4	1.6	-0.4	0	0.3
23.06.2023	1.4	1.7	-0.5	0	0.3
27.06.2023	1.5	1.5	-0.3	0	0.3
28.06.2023	1.7	1.9	-0.6	0	0.3
29.06.2023	1.5	1.4	-0.2	0	0.3
30.06.2023	1.5	1.4	-0.1	0	0.3
04.07.2023	1.4	1.4	-0.3	0	0.3
05.07.2023	1.4	1.7	-0.6	0	0.3
06.07.2023	1.5	1.3	-0.1	0	0.3
07.07.2023	1.8	1.7	-0.2	0	0.3
11.07.2023	1.7	1.3	0.1	0	0.3
12.07.2023	1.6	1.1	0.3	0	0.3
13.07.2023	1.4	1.1	0.1	0	0.3
14.07.2023	0.7	0.7	-0.2	0	0.1
18.07.2023	0.9	0.7	-0.1	0	0.3
20.07.2023	1.3	1.1	0	0	0.3
21.07.2023	0.9	0.6	0	0	0.3
25.07.2023	1.3	1.2	-0.1	0	0.3
26.07.2023	1.3	1	-0.1	0	0.3
27.07.2023	1.4	0.8	0.2	0	0.3
28.07.2023	0.7	0.8	-0.3	0	0.3
01.08.2023	1.1	0.8	0	0	0.3
02.08.2023	0.7	0.7	-0.3	0	0.3
03.08.2023	1.4	0.7	0.4	0	0.3
04.08.2023	1	0.4	0.2	0	0.3
08.08.2023	1	1	-0.3	0	0.3
09.08.2023	1.1	0.8	0	0	0.3
10.08.2023	1	0.7	0.1	0	0.3

11.08.2023	1.7	1.3	0.1	0	0.3
15.08.2023	1	0.5	0.2	0	0.3
16.08.2023	1.9	1.1	0.5	0	0.3
17.08.2023	1.9	1.3	0.3	0	0.3
18.08.2023	3	2.7	0	0	0.3
22.08.2023	2.2	1.3	0.6	0	0.3
23.08.2023	2	1.4	0.3	0	0.3
24.08.2023	1.1	0.9	-0.1	0	0.3
25.08.2023	3.9	3	0.6	0	0.3
29.08.2023	2	1	0.7	0	0.3
30.08.2023	3.3	2.8	0.2	0	0.3
31.08.2023	2.6	2.1	0.2	0	0.3
01.09.2023	1.7	1.2	0.2	0	0.3
05.09.2023	1.8	1	0.5	0	0.3
06.09.2023	1.9	1.1	0.5	0	0.3
07.09.2023	2	1.8	-0.2	0	0.3
08.09.2023	2.1	1.8	0	0	0.3
12.09.2023	2.1	2.2	-0.3	0	0.3
13.09.2023	2.3	1.9	0.1	0	0.3
14.09.2023	2.2	1.8	0.1	0	0.3
19.09.2023	2.4	1.4	0.7	0	0.3
20.09.2023	2.7	2	0.4	0	0.3
21.09.2023	2.4	2.4	-0.2	0	0.3
22.09.2023	2.8	2.8	-0.3	0	0.3
26.09.2023	1.7	1.5	-0.1	0	0.3
27.09.2023	3.2	2.1	0.7	0	0.3
28.09.2023	1.8	1.4	0.1	0	0.3
29.09.2023	1.7	1.7	-0.3	0	0.3
03.10.2023	1.8	1.5	0	0	0.3
04.10.2023	3.3	2.3	0.7	0	0.3
05.10.2023	3.2	2.7	0.3	0	0.3
06.10.2023	3.2	3	-0.1	0	0.3
10.10.2023	3.3	2.7	0.2	0	0.3
11.10.2023	2.8	2	0.5	0	0.3
12.10.2023	2.9	1.4	1.1	0	0.3
13.10.2023	2.8	2.6	-0.1	0	0.3
17.10.2023	3.8	2.2	1.3	0	0.3
18.10.2023	2.1	1.8	0	0	0.3
01.11.2023	2.8	3.5	-1	0	0.3

02.01.2024	0.9	6.7	-5.9	0	0.1
18.01.2024	1.4	2.3	-1.2	0	0.3
14.02.2024	1.2	2.7	-1.9	0	0.3
29.02.2024	1.1	2.4	-1.6	0	0.3
22.03.2024	1.1	2.9	-2.1	0	0.3
17.04.2024	1.5	2.5	-1.3	0	0.3
24.04.2024	1.5	3.4	-2.2	0	0.3
10.05.2024	1.3	2.5	-1.5	0	0.3
20.10.2023	2.4	1.9	0.1	0	0.3
24.10.2023	2.8	2.7	-0.2	0	0.3
25.10.2023	2.5	2.2	0	0	0.3
26.10.2023	2.8	2.8	-0.3	0	0.3
27.10.2023	2.8	3.6	-1.1	0	0.3
31.10.2023	3.3	2.6	0.3	0	0.3
02.11.2023	2.7	3.5	-1	0	0.3
03.11.2023	2.3	2.6	-0.5	0	0.3
07.11.2023	2.2	2.3	-0.4	0	0.3
08.11.2023	2.1	3.3	-1.5	0	0.3
09.11.2023	2	2.6	-0.9	0	0.3
10.11.2023	1.9	3	-1.4	0	0.3
14.11.2023	2.1	3	-1.2	0	0.3
15.11.2023	1.7	2.4	-1	0	0.3
16.11.2023	1.5	2	-0.8	0	0.3
17.11.2023	1.6	2.4	-1.1	0	0.3
21.11.2023	91.4	62	29.2	0	0.2
22.11.2023	92.6	63.4	28.9	0	0.2
23.11.2023	92.2	62.1	29.9	0	0.2
24.11.2023	92.6	63.3	29	0	0.2
28.11.2023	1.5	3.7	-2.5	0	0.3
29.11.2023	1.5	3.5	-2.3	0	0.3
30.11.2023	1.3	2.6	-1.6	0	0.3
01.12.2023	1.3	2.8	-1.8	0	0.3
05.12.2023	1.4	3.2	-2.1	0	0.3
06.12.2023	1.3	3.1	-2.1	0	0.3
07.12.2023	1.2	2.8	-1.8	0	0.3
08.12.2023	1.3	2.8	-1.8	0	0.3
12.12.2023	1.2	2.5	-1.6	0	0.3
13.12.2023	1.1	2.2	-1.4	0	0.3
14.12.2023	1.1	2.4	-1.6	0	0.3

15.12.2023	1.1	2.7	-2	0	0.3
19.12.2023	1.1	2.2	-1.4	0	0.3
20.12.2023	1	2.7	-1.9	0	0.3
21.12.2023	1.1	2.3	-1.6	0	0.3
22.12.2023	1.1	2.8	-2	0	0.3
28.12.2023	1.1	2.7	-2	0	0.3
29.12.2023	1.1	2.5	-1.8	0	0.3
03.01.2024	1.1	2.9	-2.1	0	0.3
04.01.2024	1.3	3.1	-2.2	0	0.3
05.01.2024	1.4	3	-1.9	0	0.3
09.01.2024	1.2	3.5	-2.5	0	0.3
10.01.2024	1.2	3.2	-2.3	0	0.3
11.01.2024	1.3	3.5	-2.5	0	0.3
12.01.2024	1.3	3.2	-2.2	0	0.3
16.01.2024	1.3	3.1	-2.1	0	0.3
17.01.2024	1.3	3.1	-2.1	0	0.3
19.01.2024	1.3	3	-2	0	0.3
23.01.2024	1.2	2.6	-1.7	0	0.3
24.01.2024	1.2	2.9	-2	0	0.3
25.01.2024	1.1	2.7	-1.9	0	0.3
26.01.2024	1.1	2.6	-1.8	0	0.3
30.01.2024	1.2	2.9	-2.1	0	0.3
31.01.2024	1.1	2.5	-1.7	0	0.3
01.02.2024	1.1	2.4	-1.6	0	0.3
02.02.2024	1.1	3	-2.2	0	0.3
06.02.2024	1.1	2.2	-1.4	0	0.3
07.02.2024	1	2.9	-2.1	0	0.3
08.02.2024	1.1	2.9	-2.1	0	0.3
09.02.2024	1	2.3	-1.6	0	0.3
13.02.2024	1	2.8	-2.1	0	0.3
15.02.2024	1.1	3	-2.2	0	0.3
16.02.2024	1.1	2.8	-2	0	0.3
20.02.2024	1.1	2.4	-1.6	0	0.3
21.02.2024	1.2	2.3	-1.5	0	0.3
22.02.2024	1.2	3.1	-2.2	0	0.3
23.02.2024	1	2.9	-2.2	0	0.3
27.02.2024	1.1	2.5	-1.7	0	0.3
28.02.2024	1	2.3	-1.5	0	0.3
01.03.2024	1.1	2.7	-1.9	0	0.3

05.03.2024	1	2.5	-1.8	0	0.3
06.03.2024	1.1	2.2	-1.4	0	0.3
07.03.2024	1	2.6	-1.9	0	0.3
08.03.2024	0.9	2.6	-2	0	0.3
12.03.2024	1.1	2.6	-1.9	0	0.3
13.03.2024	1	2.7	-2	0	0.3
14.03.2024	1.1	2.3	-1.6	0	0.3
15.03.2024	1.1	2.2	-1.5	0	0.3
19.03.2024	1.2	3.1	-2.2	0	0.3
20.03.2024	1.2	2.6	-1.8	0	0.3
21.03.2024	1.2	2.9	-2	0	0.3
26.03.2024	1.1	2.6	-1.8	0	0.3
27.03.2024	1	2.5	-1.8	0	0.3
28.03.2024	1	3	-2.2	0	0.3
03.04.2024	1.2	2.1	-1.2	0	0.3
04.04.2024	1.2	2.9	-2	0	0.3
05.04.2024	1.1	2.4	-1.5	0	0.3
09.04.2024	1.2	3.1	-2.2	0	0.3
10.04.2024	1.2	2.6	-1.7	0	0.3
11.04.2024	1.2	2.8	-1.9	0	0.3
12.04.2024	1.3	2.7	-1.7	0	0.3
16.04.2024	1.3	2.8	-1.8	0	0.3
18.04.2024	1.6	2.8	-1.6	0	0.3
19.04.2024	1.8	2.5	-1.1	0	0.3
23.04.2024	1.7	3.5	-2.1	0	0.3
26.04.2024	1.6	3.1	-1.8	0	0.3
30.04.2024	2.6	4.5	-2.3	0	0.3
03.05.2024	1.7	3.9	-2.5	0	0.3
07.05.2024	1.5	2.9	-1.7	0	0.3
08.05.2024	1.3	2.9	-1.8	0	0.3
09.05.2024	1.4	2.7	-1.7	0	0.3

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