

# Historical cost data

**ISIN: DE000HB8N932**

Date	Cost Impact / Reduction in Yield (%)	Entry Costs (%)	Exit Costs (%)	Portfolio Transaction Costs per Year (%)	Other Ongoing Costs (%)
21.07.2022	1.5	1.46	0	0	0.04
26.07.2022	2.56	2.52	0	0	0.04
20.09.2022	2.22	2.18	0	0	0.04
19.10.2022	4.11	4.05	0	0	0.06
16.11.2022	1.54	1.5	0	0	0.04
18.11.2022	2.27	2.23	0	0	0.04
23.11.2022	1.39	1.35	0	0	0.04
08.12.2022	2.66	2.61	0	0	0.05
14.12.2022	1.21	1.17	0	0	0.04
15.12.2022	1.26	1.22	0	0	0.04
30.12.2022	1.7	3.1	-1.5	0	0.1
11.01.2023	1.1	1.8	-0.8	0	0
26.01.2023	0.9	1	-0.1	0	0
16.02.2023	0.6	0.6	-0.1	0	0
28.02.2023	0.6	0.8	-0.2	0	0
29.03.2023	0.6	0.9	-0.3	0	0
30.03.2023	0.6	0.6	-0.1	0	0
31.03.2023	0.5	0.4	0.1	0	0
27.07.2022	2.7	2.66	0	0	0.04
28.07.2022	1.56	1.53	0	0	0.03
29.07.2022	1.28	1.25	0	0	0.03
02.08.2022	1.12	1.09	0	0	0.03
03.08.2022	1.31	1.28	0	0	0.03
04.08.2022	1.49	1.46	0	0	0.03
05.08.2022	0.76	0.73	0	0	0.03
09.08.2022	1.67	1.64	0	0	0.03
10.08.2022	2.31	2.28	0	0	0.03
11.08.2022	1.89	1.86	0	0	0.03
12.08.2022	1.12	1.09	0	0	0.03
16.08.2022	4.26	4.23	0	0	0.03
17.08.2022	1.61	1.58	0	0	0.03

18.08.2022	1.88	1.85	0	0	0.03
19.08.2022	1.41	1.38	0	0	0.03
23.08.2022	2.14	2.11	0	0	0.03
24.08.2022	2.11	2.08	0	0	0.03
25.08.2022	1.87	1.84	0	0	0.03
26.08.2022	1.3	1.27	0	0	0.03
30.08.2022	2.44	2.4	0	0	0.04
31.08.2022	-0.83	-0.87	0	0	0.04
01.09.2022	2.6	2.56	0	0	0.04
02.09.2022	1.9	1.86	0	0	0.04
06.09.2022	1.75	1.71	0	0	0.04
07.09.2022	-1.2	-1.24	0	0	0.04
08.09.2022	1.96	1.92	0	0	0.04
09.09.2022	1.76	1.73	0	0	0.03
13.09.2022	1.2	1.17	0	0	0.03
14.09.2022	2.13	2.09	0	0	0.04
15.09.2022	0.42	0.38	0	0	0.04
16.09.2022	2.88	2.84	0	0	0.04
21.09.2022	2.07	2.03	0	0	0.04
22.09.2022	1	0.97	0	0	0.03
23.09.2022	6.12	6.08	0	0	0.04
27.09.2022	3.53	3.49	0	0	0.04
28.09.2022	2.4	2.36	0	0	0.04
29.09.2022	3.47	3.42	0	0	0.05
30.09.2022	1.51	1.44	0	0	0.07
04.10.2022	4.69	4.62	0	0	0.07
05.10.2022	2.6	2.55	0	0	0.05
06.10.2022	1.49	1.44	0	0	0.05
07.10.2022	-1.17	-1.21	0	0	0.04
11.10.2022	4.79	4.73	0	0	0.06
12.10.2022	7.65	7.57	0	0	0.08
13.10.2022	3.25	3.17	0	0	0.08
14.10.2022	5.26	5.18	0	0	0.08
18.10.2022	4.29	4.22	0	0	0.07
20.10.2022	7.5	7.44	0	0	0.06
21.10.2022	2.15	2.1	0	0	0.05
25.10.2022	0.12	0.07	0	0	0.05
26.10.2022	2.12	2.08	0	0	0.04
27.10.2022	1.94	1.89	0	0	0.05

28.10.2022	4.29	4.23	0	0	0.06
01.11.2022	2.91	2.83	0	0	0.08
02.11.2022	3.69	3.6	0	0	0.09
03.11.2022	5.18	5.09	0	0	0.09
04.11.2022	5.86	5.75	0	0	0.11
08.11.2022	4.35	4.27	0	0	0.08
09.11.2022	1.94	1.88	0	0	0.06
10.11.2022	2.16	2.09	0	0	0.07
11.11.2022	0.82	0.77	0	0	0.05
15.11.2022	1.45	1.41	0	0	0.04
17.11.2022	2.13	2.09	0	0	0.04
22.11.2022	1.86	1.82	0	0	0.04
24.11.2022	1.73	1.69	0	0	0.04
25.11.2022	2.04	2	0	0	0.04
29.11.2022	2.77	2.73	0	0	0.04
30.11.2022	2	1.96	0	0	0.04
01.12.2022	2.04	1.99	0	0	0.05
02.12.2022	1.83	1.79	0	0	0.04
06.12.2022	1.18	1.14	0	0	0.04
07.12.2022	2.08	2.03	0	0	0.05
09.12.2022	1.99	1.94	0	0	0.05
13.12.2022	1.88	1.84	0	0	0.05
16.12.2022	2.29	2.24	0	0	0.05
20.12.2022	2.36	2.31	0	0	0.06
21.12.2022	2.83	2.77	0	0	0.06
22.12.2022	1.5	1.45	0	0	0.05
23.12.2022	2.83	2.76	0	0	0.06
28.12.2022	1.8	2.8	-1.1	0	0.1
29.12.2022	1.9	3.9	-2.1	0	0.1
03.01.2023	1.8	3	-1.3	0	0.1
04.01.2023	1.6	2.6	-1	0	0.1
05.01.2023	1.5	2.6	-1.1	0	0.1
06.01.2023	1.5	1.8	-0.4	0	0.1
10.01.2023	1.1	1.2	-0.1	0	0
12.01.2023	1.1	1.4	-0.4	0	0
13.01.2023	1.1	1.7	-0.7	0	0
18.01.2023	0.9	1.7	-0.8	0	0
19.01.2023	1	0.5	0.5	0	0
20.01.2023	1	1.3	-0.4	0	0

24.01.2023	0.9	1.6	-0.7	0	0
25.01.2023	0.9	0.9	0	0	0
27.01.2023	0.7	1.1	-0.5	0	0
31.01.2023	0.7	1	-0.4	0	0
01.02.2023	0.7	0.5	0.2	0	0
02.02.2023	0.6	1.1	-0.5	0	0
03.02.2023	0.6	0.7	-0.1	0	0
07.02.2023	0.6	0.8	-0.3	0	0
08.02.2023	0.6	0.7	-0.1	0	0
09.02.2023	0.6	0.5	0	0	0
10.02.2023	0.6	0.5	0.1	0	0
14.02.2023	0.6	0.6	0	0	0
15.02.2023	0.6	0.8	-0.3	0	0
17.02.2023	0.6	0.7	-0.2	0	0
21.02.2023	0.6	0.8	-0.2	0	0
22.02.2023	0.6	0.7	-0.1	0	0
23.02.2023	0.6	0.6	0	0	0
24.02.2023	0.6	0.6	-0.1	0	0
01.03.2023	0.6	0.6	0	0	0
02.03.2023	0.6	0.8	-0.2	0	0
03.03.2023	0.6	0.6	0.1	0	0
07.03.2023	0.6	0.8	-0.2	0	0
08.03.2023	0.6	0.7	-0.1	0	0
09.03.2023	0.6	0.7	-0.1	0	0
10.03.2023	0.5	0.6	-0.1	0	0
13.03.2023	0.6	0.3	0.3	0	0
14.03.2023	0.6	0.5	0.1	0	0
15.03.2023	0.6	0.6	0	0	0
16.03.2023	0.6	1.6	-1	0	0
17.03.2023	0.6	0.5	0	0	0
21.03.2023	0.6	0.4	0.2	0	0
22.03.2023	0.6	1.1	-0.5	0	0
23.03.2023	0.6	1.1	-0.5	0	0
24.03.2023	0.5	0.5	0	0	0
28.03.2023	0.6	1.1	-0.5	0	0
26.04.2023	0.8	1.6	-0.9	0	0
16.05.2023	1	1.3	-0.3	0	0.1
08.06.2023	0.7	1.6	-0.9	0	0
09.06.2023	0.7	1.1	-0.5	0	0

23.06.2023	0.7	1.3	-0.6	0	0
29.06.2023	0.7	1.3	-0.7	0	0
06.07.2023	0.6	1.2	-0.6	0	0
19.07.2023	0.6	0.8	-0.3	0	0
25.07.2023	0.6	1.4	-0.8	0	0
02.08.2023	0.5	0.8	-0.3	0	0
04.08.2023	0.6	0.9	-0.3	0	0
08.08.2023	0.6	1.3	-0.7	0	0
10.08.2023	0.7	1.4	-0.8	0	0
11.08.2023	0.6	1	-0.4	0	0
16.08.2023	1.4	0.7	0.7	0	0
22.08.2023	0.8	1.6	-0.9	0	0
24.08.2023	0.7	1	-0.3	0	0
25.08.2023	0.8	1.6	-0.9	0	0
29.08.2023	0.7	1.4	-0.8	0	0
13.09.2023	0.8	1.7	-0.9	0	0
20.09.2023	0.9	1.5	-0.6	0	0.1
29.09.2023	0.9	1.1	-0.3	0	0.1
05.10.2023	0.9	1.7	-0.9	0	0
17.10.2023	0.9	1.8	-1	0	0
24.10.2023	1.2	2.1	-1	0	0.1
01.11.2023	1.5	1.6	-0.2	0	0.1
08.11.2023	1.1	1.4	-0.4	0	0.1
09.11.2023	1.2	1.6	-0.5	0	0.1
17.11.2023	0.8	1.8	-1	0	0
23.11.2023	0.8	2.3	-1.5	0	0
24.11.2023	0.9	1.8	-1	0	0
29.11.2023	0.8	1.7	-0.9	0	0
30.11.2023	0.8	1.6	-0.9	0	0
05.12.2023	0.7	1.6	-0.9	0	0
08.12.2023	0.7	1.8	-1.1	0	0
19.12.2023	0.7	1.4	-0.8	0	0
21.12.2023	0.6	1.5	-0.9	0	0
22.12.2023	0.7	1.3	-0.7	0	0
05.01.2024	0.9	1.6	-0.8	0	0.1
10.01.2024	0.9	2.1	-1.2	0	0.1
11.01.2024	1	2	-1.1	0	0.1
16.01.2024	1	1.9	-0.9	0	0.1
17.01.2024	1	1.9	-1	0	0.1

19.01.2024	1	1.3	-0.3	0	0.1
25.01.2024	0.8	0.9	-0.2	0	0
31.01.2024	0.9	0.9	-0.1	0	0.1
01.02.2024	0.9	0.7	0.2	0	0.1
06.02.2024	0.9	0.9	0	0	0.1
07.02.2024	0.9	1.4	-0.5	0	0.1
08.02.2024	1	0.8	0.1	0	0.1
13.02.2024	0.8	0.7	0	0	0
14.02.2024	0.9	0.7	0.1	0	0.1
27.02.2024	0.9	1.1	-0.2	0	0.1
28.02.2024	0.8	0.8	-0.1	0	0
04.04.2023	0.5	1	-0.5	0	0
05.04.2023	0.5	0.6	-0.1	0	0
06.04.2023	0.6	1	-0.4	0	0
12.04.2023	0.6	1	-0.4	0	0
13.04.2023	0.6	1.2	-0.6	0	0
14.04.2023	0.6	0.8	-0.3	0	0
18.04.2023	0.6	1.1	-0.6	0	0
19.04.2023	0.6	0.8	-0.2	0	0
20.04.2023	0.6	1	-0.4	0	0
21.04.2023	0.7	1.3	-0.6	0	0
25.04.2023	0.7	1.1	-0.4	0	0
27.04.2023	0.8	1.1	-0.4	0	0
28.04.2023	1	1.2	-0.2	0	0
03.05.2023	0.9	1.4	-0.6	0	0
04.05.2023	1	2.1	-1.1	0	0.1
05.05.2023	1.1	1.1	0	0	0.1
09.05.2023	1	2	-1.1	0	0
10.05.2023	1	1.7	-0.8	0	0.1
11.05.2023	0.9	1.5	-0.6	0	0
12.05.2023	1	1.5	-0.5	0	0.1
17.05.2023	0.9	1.8	-0.9	0	0
18.05.2023	0.9	1.3	-0.4	0	0
19.05.2023	0.8	1.5	-0.7	0	0
23.05.2023	0.8	1.4	-0.6	0	0
24.05.2023	0.8	0.7	0	0	0
25.05.2023	0.9	1.7	-0.8	0	0
26.05.2023	1	1.8	-0.9	0	0
30.05.2023	0.9	1.3	-0.5	0	0

31.05.2023	0.8	1.5	-0.7	0	0
01.06.2023	0.8	1.3	-0.5	0	0
02.06.2023	0.8	1.9	-1.1	0	0
06.06.2023	0.8	1.3	-0.5	0	0
07.06.2023	0.8	1.5	-0.8	0	0
20.06.2023	0.6	0.9	-0.3	0	0
21.06.2023	0.7	1.3	-0.6	0	0
22.06.2023	0.7	1	-0.3	0	0
27.06.2023	0.7	0.8	-0.2	0	0
28.06.2023	0.7	1.1	-0.4	0	0
30.06.2023	0.6	1.2	-0.6	0	0
04.07.2023	0.6	1	-0.4	0	0
05.07.2023	0.6	0.8	-0.2	0	0
07.07.2023	0.7	1.2	-0.5	0	0
11.07.2023	0.7	1.1	-0.4	0	0
12.07.2023	0.7	1.1	-0.5	0	0
13.07.2023	0.6	0.8	-0.2	0	0
14.07.2023	0.6	0.7	-0.2	0	0
18.07.2023	0.6	0.9	-0.3	0	0
20.07.2023	0.6	1	-0.5	0	0
21.07.2023	0.6	1	-0.4	0	0
26.07.2023	0.6	1.2	-0.6	0	0
27.07.2023	0.6	0.8	-0.2	0	0
28.07.2023	0.5	0.7	-0.3	0	0
01.08.2023	0.5	0.9	-0.4	0	0
03.08.2023	0.5	0.9	-0.4	0	0
09.08.2023	0.7	1	-0.4	0	0
15.08.2023	0.7	1.4	-0.8	0	0
17.08.2023	0.7	1.5	-0.8	0	0
18.08.2023	0.8	1	-0.3	0	0
23.08.2023	0.7	1.4	-0.8	0	0
30.08.2023	0.7	1.3	-0.7	0	0
31.08.2023	0.7	1.3	-0.6	0	0
01.09.2023	0.7	1.4	-0.7	0	0
05.09.2023	0.7	1.3	-0.6	0	0
06.09.2023	0.7	1.2	-0.5	0	0
07.09.2023	0.7	1	-0.3	0	0
08.09.2023	0.9	1.9	-1.1	0	0
12.09.2023	0.9	1.6	-0.8	0	0

14.09.2023	0.8	1.5	-0.7	0	0
15.09.2023	0.8	1.6	-0.9	0	0
19.09.2023	0.9	1.1	-0.2	0	0.1
21.09.2023	0.9	1.6	-0.7	0	0
22.09.2023	0.9	1.9	-1	0	0.1
26.09.2023	0.9	1.7	-0.8	0	0.1
27.09.2023	1	1.4	-0.5	0	0.1
28.09.2023	1	1.9	-1	0	0.1
03.10.2023	0.9	1.3	-0.4	0	0.1
04.10.2023	0.9	1.7	-0.8	0	0.1
06.10.2023	0.9	1.3	-0.4	0	0
10.10.2023	0.8	1.9	-1.1	0	0
11.10.2023	0.8	1.3	-0.5	0	0
12.10.2023	0.8	0.9	-0.2	0	0
13.10.2023	0.8	1.6	-0.9	0	0
18.10.2023	0.9	1.3	-0.5	0	0.1
19.10.2023	1	1.1	-0.1	0	0.1
20.10.2023	1	1.1	-0.1	0	0.1
25.10.2023	1.2	2.4	-1.3	0	0.1
26.10.2023	1.3	2.5	-1.3	0	0.1
27.10.2023	1	1.2	-0.2	0	0.1
31.10.2023	1.6	3.5	-1.9	0	0.1
02.11.2023	1.5	2.6	-1.2	0	0.1
03.11.2023	1.2	2.2	-1.1	0	0.1
07.11.2023	1.2	2	-0.9	0	0.1
10.11.2023	1.1	1.4	-0.4	0	0.1
14.11.2023	1.1	2.4	-1.4	0	0.1
15.11.2023	0.9	1.5	-0.6	0	0.1
16.11.2023	0.8	1.4	-0.7	0	0
21.11.2023	0.8	1.4	-0.6	0	0
22.11.2023	0.9	2.4	-1.6	0	0
28.11.2023	0.8	2.3	-1.5	0	0
01.12.2023	0.7	1.7	-1	0	0
06.12.2023	0.7	1.8	-1.2	0	0
07.12.2023	0.7	1.7	-1	0	0
12.12.2023	0.7	1.3	-0.7	0	0
13.12.2023	0.7	1.8	-1.1	0	0
14.12.2023	0.7	1.3	-0.6	0	0
15.12.2023	0.7	1.6	-1	0	0



20.12.2023	0.6	1.7	-1.1	0	0
28.12.2023	0.6	1.4	-0.8	0	0
29.12.2023	0.7	1.4	-0.7	0	0
03.01.2024	0.7	1.5	-0.9	0	0
04.01.2024	0.8	1.6	-0.9	0	0
09.01.2024	0.9	1.4	-0.6	0	0.1
12.01.2024	1	1.8	-0.9	0	0.1
18.01.2024	1.1	1.4	-0.4	0	0.1
23.01.2024	0.9	0.4	0.4	0	0.1
24.01.2024	0.8	1.3	-0.5	0	0
26.01.2024	0.8	1.4	-0.6	0	0
30.01.2024	0.9	0.9	0	0	0.1
02.02.2024	1	1.6	-0.7	0	0.1
09.02.2024	0.9	0.8	0	0	0.1
15.02.2024	0.9	0.8	0	0	0.1
16.02.2024	0.8	0.6	0.2	0	0.1
20.02.2024	0.9	0.7	0.1	0	0.1
21.02.2024	0.9	1.1	-0.3	0	0.1
22.02.2024	0.9	1.3	-0.4	0	0.1
23.02.2024	0.8	0.6	0.2	0	0.1
29.02.2024	0.9	1.2	-0.3	0	0.1
07.03.2024	0.8	0.7	0.1	0	0
08.03.2024	0.7	0.8	-0.1	0	0
14.03.2024	0.8	0.8	-0.1	0	0
20.03.2024	1	1.6	-0.6	0	0.1
21.03.2024	1.1	1.3	-0.3	0	0.1
22.03.2024	1	0.7	0.2	0	0.1
26.03.2024	1.1	1.7	-0.7	0	0.1
27.03.2024	1.1	0.9	0.1	0	0.1
03.04.2024	1.2	1	0.1	0	0.1
09.04.2024	1.2	0.7	0.3	0	0.1
11.04.2024	1.1	1	0.1	0	0.1
17.04.2024	1.3	1.4	-0.1	0	0.1
18.04.2024	1.3	1.5	-0.2	0	0.1
19.04.2024	1.4	1.6	-0.3	0	0.1
24.04.2024	1.5	2.5	-1.1	0	0.1
08.05.2024	1.3	0.8	0.4	0	0.1
14.05.2024	1.4	1.9	-0.6	0	0.1
15.05.2024	1.3	1.2	0.1	0	0.1

22.05.2024	1.4	1.3	0	0	0.1
23.05.2024	1.2	1.8	-0.6	0	0.1
28.05.2024	1.3	1.8	-0.6	0	0.1
29.05.2024	1.3	1.3	-0.1	0	0.1
30.05.2024	1.5	2.1	-0.8	0	0.1
04.06.2024	1.3	1.4	-0.2	0	0.1
07.06.2024	1	1.2	-0.3	0	0.1
11.06.2024	1	1.3	-0.4	0	0.1
12.06.2024	1.1	1	0	0	0.1
14.06.2024	1	1.3	-0.3	0	0.1
20.06.2024	1.4	1.5	-0.2	0	0.1
02.07.2024	1.8	2	-0.3	0	0.1
03.07.2024	1.6	1.8	-0.3	0	0.1
04.07.2024	1.4	1.7	-0.4	0	0.1
10.07.2024	1.4	2.5	-1.2	0	0.1
11.07.2024	1.3	0.9	0.2	0	0.1
12.07.2024	1.2	1.4	-0.3	0	0.1
17.07.2024	1.3	1	0.3	0	0.1
19.07.2024	1.4	1.4	-0.1	0	0.1
24.07.2024	1.6	2.4	-0.9	0	0.1
25.07.2024	1.6	2.2	-0.8	0	0.1
26.07.2024	5.7	11.1	-5.7	0	0.3
01.03.2024	0.9	0.5	0.3	0	0.1
05.03.2024	0.8	0.7	0.1	0	0
06.03.2024	0.8	0.6	0.2	0	0.1
12.03.2024	0.8	0.4	0.3	0	0
13.03.2024	0.7	0.4	0.3	0	0
15.03.2024	0.8	0.8	0	0	0
19.03.2024	0.9	1.4	-0.5	0	0.1
28.03.2024	1	1.5	-0.5	0	0.1
04.04.2024	1.1	1.3	-0.3	0	0.1
05.04.2024	1.1	0.8	0.2	0	0.1
10.04.2024	1.1	0.9	0.1	0	0.1
12.04.2024	1.1	1.4	-0.4	0	0.1
16.04.2024	1.2	1.7	-0.5	0	0.1
23.04.2024	1.6	1.5	0	0	0.1
26.04.2024	1.1	0.8	0.2	0	0.1
30.04.2024	1.3	1	0.3	0	0.1
03.05.2024	1.7	2	-0.5	0	0.1

07.05.2024	1.5	1.8	-0.4	0	0.1
09.05.2024	1.4	1.2	0.1	0	0.1
10.05.2024	1.4	1.6	-0.3	0	0.1
16.05.2024	1.2	1	0.1	0	0.1
17.05.2024	1.2	0.9	0.3	0	0.1
21.05.2024	1.3	1	0.1	0	0.1
24.05.2024	1.2	1.3	-0.1	0	0.1
31.05.2024	1.4	1.8	-0.5	0	0.1
05.06.2024	1.2	1.4	-0.3	0	0.1
06.06.2024	1.1	1.2	-0.2	0	0.1
13.06.2024	0.9	1.3	-0.4	0	0.1
18.06.2024	1.1	1.6	-0.6	0	0.1
19.06.2024	1.1	0.8	0.2	0	0.1
21.06.2024	1.3	1.1	0.1	0	0.1
25.06.2024	1.4	1.9	-0.6	0	0.1
26.06.2024	1.5	1.4	0.1	0	0.1
27.06.2024	1.6	2.5	-1	0	0.1
28.06.2024	1.7	2.6	-1	0	0.1
05.07.2024	1.4	2	-0.7	0	0.1
09.07.2024	1.3	1.2	0	0	0.1
16.07.2024	1.3	1.1	0.1	0	0.1
18.07.2024	1.3	2	-0.7	0	0.1
23.07.2024	1.4	1.9	-0.5	0	0.1

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