

How to Use This Book

To find the annualised compound rate of return for any interval, locate the column for the first year and the row for the last year of the interval.

The annualised return over that period can be found where the column and row meet.

In this example, the MSCI World Index had an annualised compound rate of return of 2.1% for the five-year interval 2002–2006.

The diagonal shading tracks annualised returns at five-year intervals.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022																																																																																																																																																																																																																																										
1999	46.8	-7.0	2001	16.8	-9.5	-12.0	2002	-4.8	-17.6	-22.5	-31.7	2003	-1.8	-11.2	-12.6	-12.8	11.3	2004	-0.4	-7.8	-8.0	-6.7	9.1	6.9	2005																																																																																																																																																																																																																																									
2000	16.8	-7.0	2001	6.3	-9.5	-12.0	2002	3.1	-2.8	-1.9	0.7	14.7	16.4	26.8	2006	3.7	-1.3	-0.4	2.1	13.0	13.5	17.0	7.9	2007																																																																																																																																																																																																																																										
2001	6.3	-9.5	2002	2002	-4.8	-17.6	-22.5	-31.7	2003	-1.8	-11.2	-12.6	-12.8	11.3	2004	-1.8	-1.3	-0.5	1.6	10.0	9.7	10.6	3.3	-1.2	2008																																																																																																																																																																																																																																									
2002	-4.8	-17.6	-22.5	-31.7	2003	-1.8	-11.2	-12.6	-12.8	11.3	2004	-0.4	-7.8	-8.0	-6.7	9.1	6.9	2005	3.1	-2.8	-1.9	0.7	14.7	16.4	26.8																																																																																																																																																																																																																																									
2003	-1.8	-11.2	-12.6	-12.8	11.3	2004	-1.8	-1.3	-0.5	1.6	10.0	9.7	10.6	3.3	-1.2	2008	-1.9	-6.2	-6.1	-5.2	0.2	-1.9	-4.0	-12.5	-21.2	-37.2	2009	-1.9																																																																																																																																																																																																																																						
2004	-0.4	-7.8	-8.0	-6.7	9.1	6.9	2005	3.7	-1.3	-0.4	2.1	13.0	13.5	17.0	7.9	2007	3.1	-1.3	-0.5	1.6	10.0	9.7	10.6	3.3	-1.2	2008	-1.9	-6.2	-6.1	-5.2	0.2	-1.9	-4.0	-12.5	-21.2	-37.2	2009	-1.9																																																																																																																																																																																																																												
2005	3.1	-2.8	-1.9	0.7	14.7	16.4	26.8	2006	3.7	-1.3	-0.4	2.1	13.0	13.5	17.0	7.9	2007	3.1	-1.3	-0.5	1.6	10.0	9.7	10.6	3.3	-1.2	2008	-1.9	-6.2	-6.1	-5.2	0.2	-1.9	-4.0	-12.5	-21.2	-37.2	2009	-1.9																																																																																																																																																																																																																											
2006	3.7	-1.3	-0.4	2.1	13.0	13.5	17.0	7.9	2007	3.1	-1.3	-0.5	1.6	10.0	9.7	10.6	3.3	-1.2	2008	-1.9	-6.2	-6.1	-5.2	0.2	-1.9	-4.0	-12.5	-21.2	-37.2	2009	-1.9																																																																																																																																																																																																																																			
2007	3.1	-1.3	-0.5	1.6	10.0	9.7	10.6	3.3	-1.2	2008	-1.9	-6.2	-6.1	-5.2	0.2	-1.9	-4.0	-12.5	-21.2	-37.2	2009	-1.9	-6.2	-6.1	-5.2	0.2	-1.9	-4.0	-12.5	-21.2	-37.2	2009	-1.9																																																																																																																																																																																																																																	
2008	-1.9	-6.2	-6.1	-5.2	0.2	-1.9	-4.0	-12.5	-21.2	-37.2	2009	-1.9	-6.2	-6.1	-5.2	0.2	-1.9	-4.0	-12.5	-21.2	-37.2	2009	-1.9	-6.2	-6.1	-5.2	0.2	-1.9	-4.0	-12.5	-21.2	-37.2	2009	-1.9																																																																																																																																																																																																																																
2009	0.4	-3.3	-2.9	-1.7	3.6	2.4	1.5	-4.0	-7.7	-10.8	26.7	2010	2.0	-1.4	-0.8	0.5	5.5	4.7	4.4	0.4	-1.4	-1.5	23.4	20.1	2011	1.7	-1.4	-0.9	0.3	4.7	3.9	3.5	0.0	-1.5	-1.6	14.3	8.6	-1.8	2012	2.5	-0.3	0.3	1.5	5.6	5.0	4.8	2.0	1.0	1.5	14.4	10.6	6.1	14.7	2013	3.7	1.2	1.8	3.1	7.0	6.6	6.6	4.3	3.8	4.6	15.9	13.3	11.1	18.3	21.9	2014	4.7	2.3	3.1	4.3	8.1	7.8	7.9	5.9	5.7	6.7	16.6	14.7	13.3	18.9	21.0	20.1	2015	5.0	2.9	3.6	4.8	8.3	8.0	8.1	6.4	6.3	7.2	15.8	14.0	12.9	16.9	17.6	15.5	11.0	2016	5.4	3.4	4.0	5.2	8.5	8.3	8.4	6.9	6.8	7.7	15.2	13.7	12.6	15.7	16.0	14.1	11.2	11.4	2017	5.5	3.6	4.3	5.4	8.5	8.3	8.4	7.0	6.9	7.7	14.4	12.9	12.0	14.4	14.4	12.6	10.2	9.7	8.1	2018	5.1	3.2	3.8	4.8	7.7	7.4	7.5	6.1	6.0	6.7	12.5	11.0	9.9	11.7	11.2	9.1	6.6	5.1	21	-3.6	2019	6.2	4.4	5.1	6.1	8.9	8.8	8.9	7.7	7.7	8.5	14.0	12.8	12.0	13.9	13.8	12.5	11.0	11.0	10.9	12.3	30.8	2020	6.2	4.6	5.2	6.2	8.8	8.7	8.8	7.7	7.6	8.4	13.4	12.3	11.5	13.1	12.9	11.7	10.3	10.2	9.9	10.5	18.2	6.9	2021	7.2	5.7	6.3	7.3	9.9	9.8	10.0	9.0	9.1	9.9	14.7	13.8	13.2	14.8	14.8	14.0	13.1	13.5	13.9	15.4	22.5	18.6	31.6	2022	6.3	4.8	5.4	6.3	8.7	8.5	8.6	7.6	7.6	8.2	12.5	11.5	10.8	12.0	11.8	10.7	9.6	9.4	9.0	9.2	12.7	7.2	7.4	-12.3
1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022																																																																																																																																																																																																																																											



If you are a retail investor, this document has been presented to you by your financial advisor, who can help explain its contents. Past performance is not a guarantee of future results. Actual returns may be lower. The Dimensional indices represent academic concepts that may be used in portfolio construction and are not available for direct investment or for use as a benchmark. Index returns are not representative of actual portfolios and do not reflect costs and fees associated with an actual investment. See Sources and Descriptions of Data for additional information, including descriptions of the Dimensional index data.

Annualised Rates of Returns (%)

	1 Year 2022	5 Years 2018–2022	10 Years 2013–2022	15 Years 2008–2022	20 Years 2003–2022	50 Years 1973–2022	80 Years 1943–2022
Inflation: German Consumer Price Index	8.3	3.3	2.1	1.9	1.9	2.6	—
Euro Short-Term Rate	-0.1	-0.4	-0.2	0.3	0.9	4.1	—
Euro Short-Term Rate (Inflation Adjusted)	-7.7	-3.5	-2.3	-1.5	-0.9	1.5	—
FTSE World Government Bond Index 1–5 Years (Hedged to EUR)	-6.5	-1.2	-0.4	0.8	1.4	—	—
Dimensional Global Short-Term Government Variable Maturity Index (Hedged to EUR)	-8.6	-2.3	-0.8	1.2	1.7	—	—
Bloomberg Global Aggregate Bond Index (Hedged to EUR)	-13.3	-1.7	0.3	2.0	2.4	—	—
Bloomberg Global Aggregate Bond Index (Hedged to EUR) (Inflation Adjusted)	-19.9	-4.8	-1.8	0.1	0.5	—	—
Bloomberg Global Aggregate Credit Bond Index 1–5 Years (Hedged to EUR)	-8.1	-0.9	0.2	1.8	2.2	—	—
Dimensional Targeted Credit Index (Hedged to EUR)	-9.4	-0.7	0.9	3.0	3.2	—	—
Dimensional Global Core Plus Index (Hedged to EUR)	-16.9	-1.5	1.4	3.3	3.5	—	—
S&P Global REIT Index	-18.6	4.4	7.2	6.4	8.0	—	—
S&P Global REIT Index (Inflation Adjusted)	-24.8	1.1	5.0	4.4	5.9	—	—
MSCI World Index	-12.3	9.2	11.				

Inflation: German Consumer Price Index

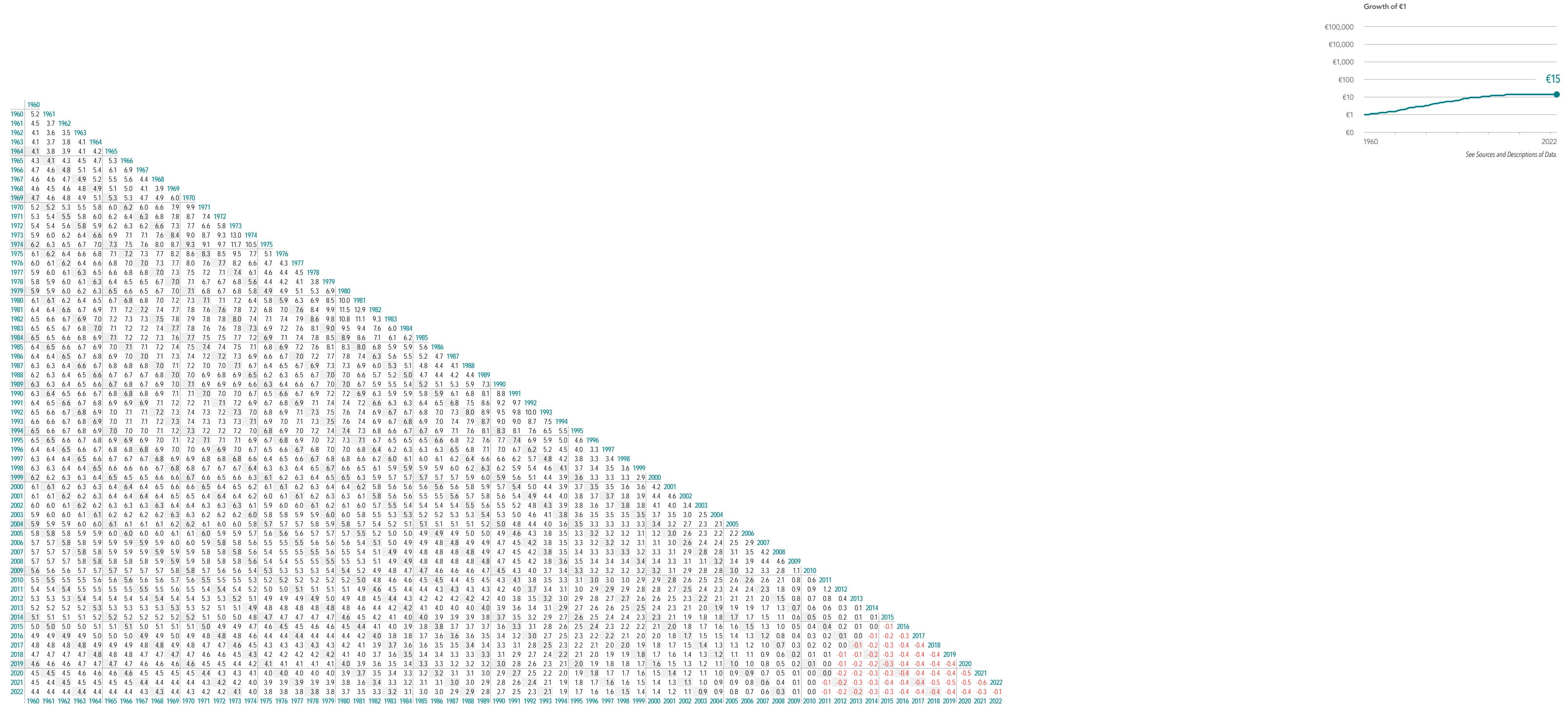
1949–2022



Year	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1949	-6.3	1950	-5.0	-3.8	1951	0.0	3.3	10.9	1952	-0.5	1.5	4.3	-2.0	1953	-0.4	0.8	2.0	-0.8	-0.2	21	1955	-0.9	0.5	2.0	-2.2	-2.4	1954	-0.4	0.8	2.0	-0.8	-0.2	21	1955	0.0	1.1	2.1	0.0	0.7	2.2	2.4	1956	0.2	1.2	2.0	0.3	0.9	2.0	2.0	1.6	1957	0.4	1.3	2.1	0.6	1.2	2.1	2.1	1.9	2.3	1958	0.5	1.3	1.9	0.7	1.2	1.9	1.9	1.7	1.7	1.1	1959	0.6	1.3	1.9	0.9	1.3	1.9	1.9	1.7	1.8	1.5	1.9	1960	0.7	1.3	1.8	0.9	1.2	1.8	1.7	1.6	1.4	1.5	1.1	1961	0.8	1.5	1.9	1.1	1.4	1.9	1.9	1.8	2.0	2.0	2.9	1962	0.9	1.0	1.5	2.0	2.0	1.9	2.0	1.9	2.1	2.2	2.7	2.5	1963	1.1	1.7	2.1	1.4	1.7	2.1	2.1	2.1	2.2	2.1	2.3	2.4	2.7	2.6	2.7	2.0	1964	1.2	1.7	2.1	1.4	1.7	2.1	2.1	2.1	2.2	2.1	2.3	2.4	2.7	2.6	2.7	2.0	1965	1.3	1.8	2.2	1.6	1.9	2.3	2.3	2.3	2.4	2.4	2.5	2.6	2.9	3.0	3.1	3.0	3.9	1966	1.4	1.9	2.3	1.7	2.0	2.3	2.3	2.3	2.4	2.6	2.7	2.9	2.9	3.0	2.9	3.4	2.8	1967	1.4	1.8	2.2	1.6	1.9	2.2	2.2	2.2	2.2	2.3	2.4	2.6	2.6	2.3	2.4	1.7	0.6	1968	1.4	1.8	2.2	1.7	1.9	2.2	2.2	2.2	2.2	2.3	2.4	2.5	2.5	2.3	2.4	1.9	1.4	2.1	1969	1.4	1.8	2.1	1.7	1.9	2.2	2.2	2.2	2.3	2.3	2.4	2.4	2.3	2.3	2.5	1.6	2.1	2.1	1970	1.6	1.9	2.2	1.8	2.0	2.3	2.3	2.3	2.3	2.5	2.5	2.6	2.6	2.6	2.5	2.6	2.3	2.2	2.8	3.1	41	1971	1.7	2.1	2.4	2.0	2.2	2.5	2.5	2.6	2.6	2.7	2.8	2.9	2.9	3.0	2.9	2.9	3.5	3.9	48	5.6	1972	1.9	2.6	2.2	2.4	2.7	2.7	2.7	2.8	2.9	3.0	3.2	3.3	3.3	3.4	3.4	3.5	4.0	4.5	5.3	6.0	6.4	1973	2.1	2.5	2.8	2.4	2.7	2.9	3.0	3.0	3.1	3.1	3.3	3.4	3.5	3.6	3.7	3.7	3.9	3.9	4.1	4.6	5.2	5.9	6.6	7.0	7.7	1974	2.3	2.7	2.9	2.6	2.8	3.1	3.1	3.2	3.2	3.3	3.4	3.5	3.7	3.8	3.9	3.9	4.1	4.1	4.3	4.8	5.3	6.0	6.4	6.7	6.9	6.0	1975	2.4	2.8	3.0	2.7	2.9	3.2	3.2	3.3	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.2	4.4	4.9	5.3	6.2	6.3	6.3	5.6	5.2	1976	2.4	2.8	3.0	2.7	2.9	3.2	3.2	3.3	3.4	3.4	3.5	3.6	3.8	3.9	4.0	4.0	4.2	4.2	4.3	4.8	5.1	5.5	5.8	5.8	5.7	5.0	4.5	3.7	1977	2.5	2.8	3.1	2.8	3.0	3.2	3.2	3.3	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.1	4.3	4.6	4.9	5.3	5.4	5.3	4.6	4.2	3.7	3.6	1978	2.5	2.8	3.0	2.8	3.0	3.2	3.2	3.3	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.4	4.7	5.0	5.1	5.0	4.8	4.2	3.8	3.3	3.1	2.5	1979	2.6	2.9	3.1	2.9	3.0	3.3	3.3	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.5	4.7	5.0	5.1	5.0	4.9	4.4	4.1	3.8	3.8	3.9	5.3	1980	2.7	3.0	3.2	2.9	3.1	3.4	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.6	4.8	5.1	5.2	5.1	4.8	4.6	4.3	4.1	4.2	4.5	4.9	4.9	4.6	3.6	1981	2.8	3.1	3.3	3.1	3.3	3.5	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.5	4.7	5.0	5.2	5.3	5.1	4.8	4.7	4.6	4.7	5.0	5.9	6.2	6.8	1982	2.8	3.1	3.4	3.1	3.3	3.5	3.6	3.6	3.7	3.7	3.8	3.9	4.1	4.1	4.2	4.2	4.4	4.4	4.5	4.7	5.2	5.2	5.2	5.1	4.8	4.7	4.6	4.7	4.9	5.5	5.6	5.7	4.6	1983	2.8	3.1	3.3	3.1	3.3	3.5	3.6	3.6	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.6	4.4	4.4	4.5	4.9	4.3	4.4	4.5	4.9	4.9	4.6	3.6	1984	2.8	3.1	3.3	3.1	3.2	3.4	3.5	3.5	3.6	3.6	3.7	3.8	3.9	4.0	4.0	4.0	4.1	4.2	4.2	4.5	4.6	4.8	4.8	4.6	4.3	4.2	4.1	4.1	4.2	4.5	4.3	4.0	3.1	2.3	2.1	1985	2.8	3.0	3.2	3.0	3.2	3.4	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.0	4.1	4.3	4.4	4.6	4.5	4.4	4.1	3.9	3.8	3.8	3.7	3.8	3.9	3.9	4.0	3.8	3.5	2.7	1.8	1.6	1986	2.8	2.9	3.1	2.9	3.1	3.2	3.3	3.3	3.4	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.2	4.2	4.2	4.0	3.7	3.4	3.3	3.4	3.1	2.7	2.0	1.3	0.9	0.3	-1.0	1987

Euro Short-Term Rate

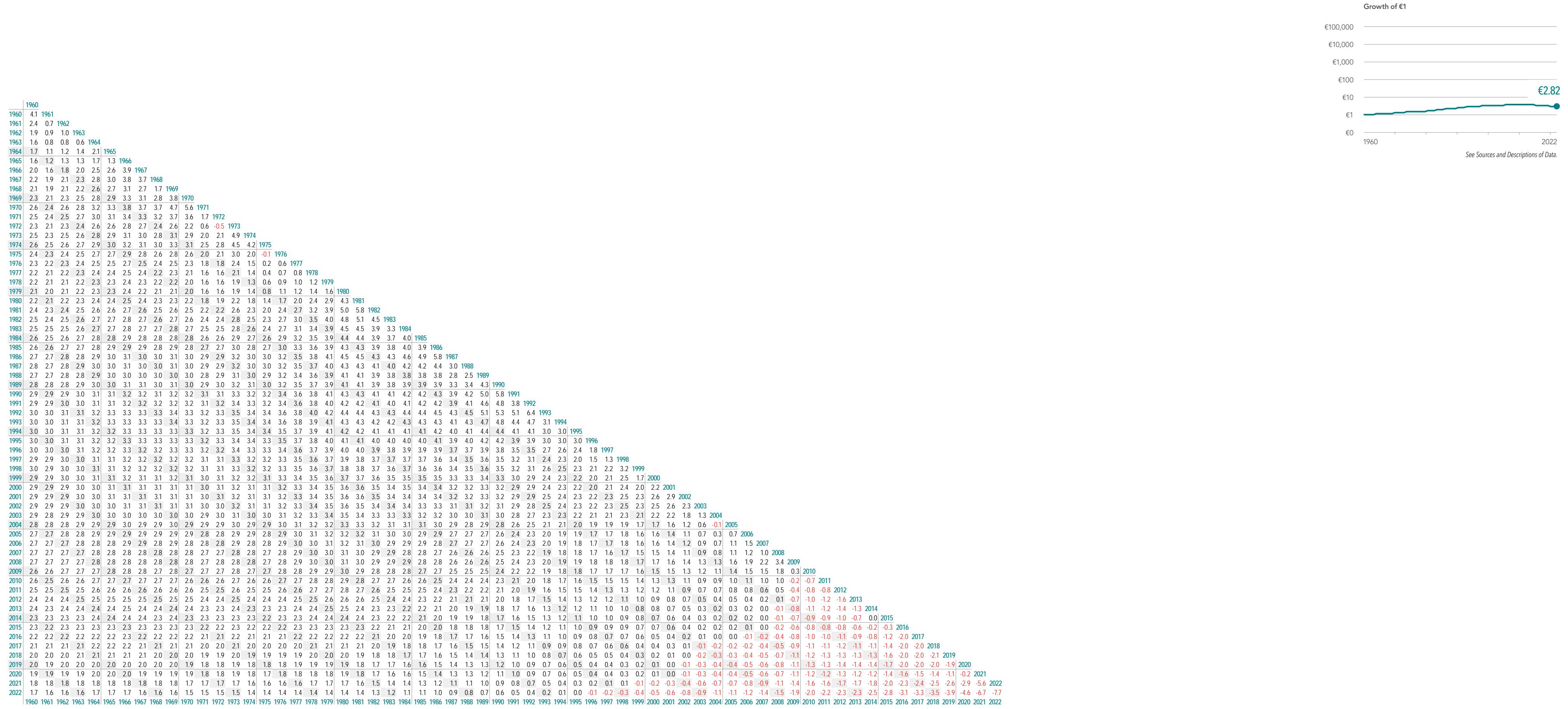
960–2022



Euro Short-Term Rate

Population Adjusted

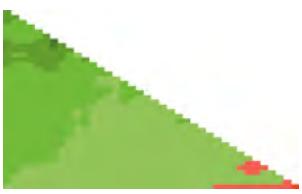
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FTSE World Government Bond Index 1–5 Years

Hedged to EUR

1985–2022



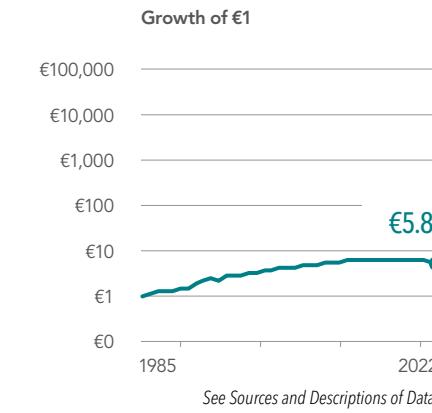
Dimensional Global Short-Term Government Variable Maturity Index

Hedged to EU

1985–2022



See Sources and Descriptions of Data.



See Sources and Descriptions of Data

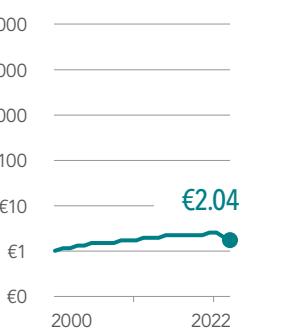
Bloomberg Global Aggregate Bond Index

Hedged to EUR

2000–2022

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022												
2000	79	79	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75												
2001	7.7	7.7	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5												
2002	8.5	8.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0												
2003	7.3	7.2	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0											
2004	7.0	6.7	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5											
2005	6.3	6.0	5.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4											
2006	5.6	5.2	4.8	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4											
2007	5.4	5.1	4.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5											
2008	5.5	5.2	4.8	4.0	4.0	3.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8											
2009	5.4	5.2	4.9	4.2	4.2	3.9	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1											
2010	5.4	5.1	4.9	4.2	4.3	4.1	4.2	4.9	5.3	4.9	4.7	2011																							
2011	5.4	5.2	5.0	4.4	4.5	4.3	4.5	5.2	5.5	5.3	5.4	6.0	2012																						
2012	5.4	5.2	5.0	4.5	4.6	4.5	4.7	5.2	5.5	5.4	5.4	5.8	5.5	2013																					
2013	5.0	4.8	4.6	4.1	4.1	3.9	4.0	4.4	4.5	4.2	4.0	3.7	2.6	-0.3	2014																				
2014	5.2	5.0	4.8	4.4	4.4	4.3	4.4	4.8	4.9	4.7	4.7	4.7	4.2	3.5	7.6	2015																			
2015	4.9	4.7	4.5	4.1	4.1	4.0	4.0	4.3	4.4	4.2	4.0	3.9	3.3	2.6	4.1	0.7	2016																		
2016	4.7	4.6	4.4	4.0	4.0	3.8	3.9	4.1	4.2	3.9	3.8	3.6	3.1	2.5	3.5	1.6	2.4	2017																	
2017	4.5	4.3	4.1	3.8	3.8	3.6	3.7	3.9	3.9	3.6	3.4	3.2	2.8	2.2	2.9	1.4	1.7	1.1	2018																
2018	4.2	4.0	3.8	3.5	3.4	3.3	3.3	3.4	3.4	3.1	2.9	2.7	2.2	1.7	21	0.8	0.8	0.0	-1.0	2019															
2019	4.3	4.1	3.9	3.6	3.5	3.4	3.4	3.6	3.5	3.3	3.1	3.0	2.6	2.2	2.6	1.6	1.9	1.7	2.0	5.1	2020														
2020	4.3	4.1	3.9	3.6	3.6	3.5	3.5	3.6	3.6	3.4	3.2	3.1	2.8	2.4	2.8	2.1	2.3	2.3	2.7	4.7	4.2	2021													
2021	4.0	3.8	3.6	3.3	3.2	3.1	3.1	3.2	3.2	2.9	2.8	2.6	2.3	1.9	2.2	1.4	1.6	1.4	1.5	2.3	1.0	-2.2	2022												
2022	3.2	2.9	2.7	2.4	2.3	2.1	2.1	2.1	2.0	1.7	1.4	1.2	0.7	0.3	0.3	-0.5	-0.7	-1.2	-1.7	-1.8	-4.0	-7.9	-13.3												

Growth of €1



See Sources and Descriptions of Data.

Bloomberg Global Aggregate Credit Bond Index 1–5 Years

Hedged to EUR

1999–2022

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022						
1999	-0.1	2000	29	60	2001	2002	4.6	7.1	8.2	2003	2004	5.6	7.5	8.3	8.4	2005	2006	4.7	5.5	5.4	4.7	3.5	2.7	1.5	2007					
2000	2.9	2001	60	2002	2003	2004	5.5	6.9	7.2	6.8	5.2	2005	2006	4.7	5.5	5.4	4.7	3.5	2.7	1.5	2007	2008	4.3	5.0	4.8	4.2	3.1	2.5	1.7	2009
2001	4.6	2002	7.1	8.2	2003	2004	5.6	7.5	8.3	8.4	2005	2006	4.7	5.5	5.4	4.7	3.5	2.7	1.5	2007	2008	4.3	4.9	4.7	4.1	3.3	2.8	2.5	2009	
2002	5.6	2003	7.5	8.3	2004	2005	5.2	6.4	6.4	6.4	2006	2007	4.7	5.5	5.4	4.7	3.5	2.7	1.5	2008	2009	4.6	5.1	5.0	4.6	4.0	3.8	3.8	2010	
2003	5.5	2004	6.9	7.2	2005	2006	5.2	6.4	6.4	6.4	2007	2008	4.7	5.5	5.4	4.7	3.5	2.7	1.5	2009	2010	4.6	5.1	5.0	4.6	4.0	3.8	3.8	2011	
2004																														