

# MSCI Euro Index (EUR)

The MSCI Euro Index captures large cap representation across the 10 Developed Markets (DM) countries in the EMU\*. With 110 constituents, the index covers approximately 70% of the free float-adjusted market capitalization of the EMU investable universe .

## CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (EUR) (OCT 2007 – OCT 2022)



## ANNUAL PERFORMANCE (%)

Year	MSCI Euro	MSCI World	MSCI ACWI IMI
2021	24.43	31.64	27.73
2020	-1.62	6.88	7.17
2019	26.22	30.76	29.37
2018	-11.41	-3.58	-5.05
2017	11.93	8.10	9.43
2016	5.35	11.39	12.22
2015	9.02	11.03	9.52
2014	5.21	20.14	18.84
2013	23.81	21.86	18.81
2012	21.10	14.75	15.24
2011	-12.86	-1.84	-4.33
2010	1.61	20.14	22.86
2009	28.24	26.72	32.91
2008	-43.56	-37.24	-39.00

## INDEX PERFORMANCE – GROSS RETURNS (%) (OCT 31, 2022)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Dec 31, 1998
					3 Yr	5 Yr	10 Yr		
MSCI Euro	7.91	-3.55	-13.96	-15.08	2.55	2.36	7.44	3.94	
MSCI World	6.26	-3.79	-4.09	-7.65	11.01	10.49	12.53	6.56	
MSCI ACWI IMI	5.24	-4.46	-6.14	-8.90	9.60	9.03	11.49	6.83	

## FUNDAMENTALS (OCT 31, 2022)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.45	12.60	10.68	1.53
2.17	17.39	14.89	2.75
2.33	16.61	14.15	2.37

## INDEX RISK AND RETURN CHARACTERISTICS (OCT 31, 2022)

	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Dec 31, 1998	MAXIMUM DRAWDOWN	
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Euro	3.18	21.03	18.09	15.93	0.25	0.24	0.55	0.23	61.83	2000-03-31–2003-03-12
MSCI World	2.31	17.86	15.77	13.19	0.70	0.74	0.99	0.41	57.71	2000-08-31–2009-03-09
MSCI ACWI IMI	2.66	17.49	15.52	12.99	0.64	0.67	0.93	0.43	56.23	2000-09-07–2003-03-12

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly gross returns data

<sup>3</sup> Based on EMMI EURIBOR 1M from Sep 1 2021 & on ICE LIBOR 1M prior that date

\* Developed Market countries in the EMU include: Austria, Belgium, Finland, France, Germany, Ireland, Italy, the Netherlands, Portugal and Spain.

**INDEX CHARACTERISTICS**

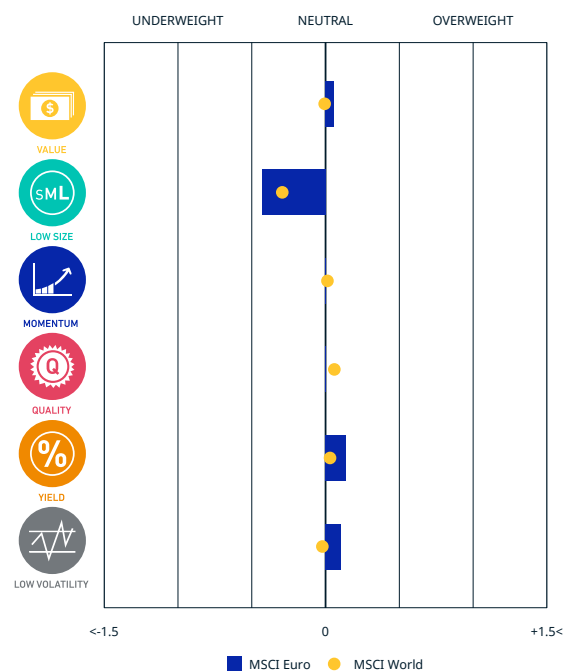
MSCI Euro	
<b>Number of Constituents</b>	110
<b>Mkt Cap ( EUR Millions)</b>	
<b>Index</b>	3,365,428.94
<b>Largest</b>	194,294.80
<b>Smallest</b>	3,775.68
<b>Average</b>	30,594.81
<b>Median</b>	22,044.92

**TOP 10 CONSTITUENTS**

	Country	Float Adj Mkt Cap ( EUR Billions)	Index Wt. (%)	Sector
ASML HLDG	NL	194.29	5.77	Info Tech
LVMH MOET HENNESSY	FR	177.40	5.27	Cons Discr
TOTALENERGIES	FR	136.61	4.06	Energy
SAP	DE	101.99	3.03	Info Tech
SANOFI	FR	99.44	2.95	Health Care
SIEMENS	DE	84.64	2.51	Industrials
L'OREAL	FR	76.77	2.28	Cons Staples
ALLIANZ	DE	74.42	2.21	Financials
SCHNEIDER ELECTRIC	FR	69.59	2.07	Industrials
AIR LIQUIDE	FR	69.18	2.06	Materials
<b>Total</b>		<b>1,084.33</b>	<b>32.22</b>	

**FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN**

**MSCI FACTOR BOX**



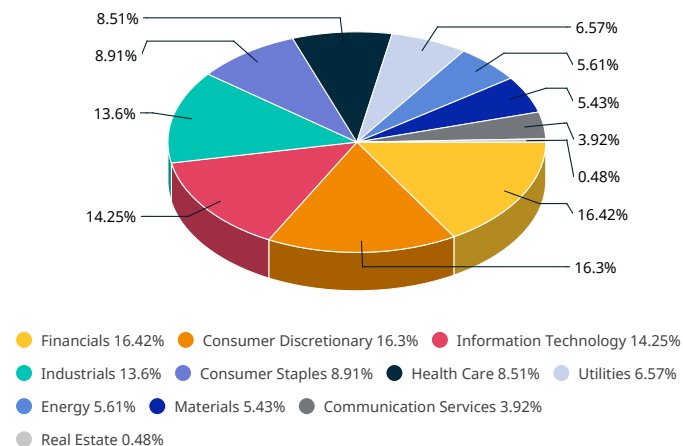
**MSCI FaCS**

- VALUE**  
Relatively Inexpensive Stocks
- LOW SIZE**  
Smaller Companies
- MOMENTUM**  
Rising Stocks
- QUALITY**  
Sound Balance Sheet Stocks
- YIELD**  
Cash Flow Paid Out
- LOW VOLATILITY**  
Lower Risk Stocks

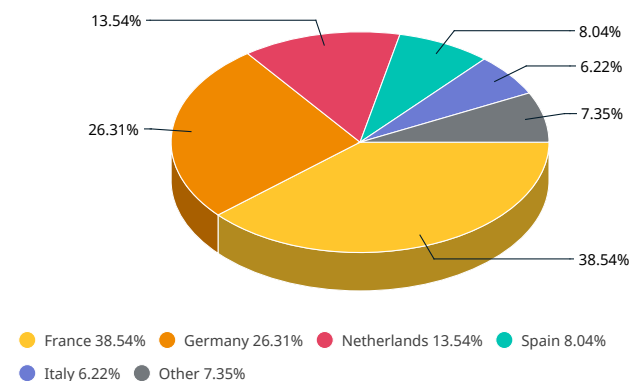
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

**SECTOR WEIGHTS**



**COUNTRY WEIGHTS**



## INDEX FRAMEWORK

The index is based on the [MSCI Global Investable Market Indexes \(GIMI\) Methodology](#)—a comprehensive and consistent approach to index construction that allows for meaningful global views and cross regional comparisons across all market capitalization size, sector and style segments and combinations. This methodology aims to provide exhaustive coverage of the relevant investment opportunity set with a strong emphasis on index liquidity, investability and replicability. The index is reviewed quarterly—in February, May, August and November—with the objective of reflecting change in the underlying equity markets in a timely manner, while limiting undue index turnover. During the May and November semi-annual index reviews, the index is rebalanced and the large capitalization cutoff points are recalculated.

This summary is provided for illustrative purposes only and does not include all material elements of the index or its methodology. For a complete description of the index methodology, please see [Index methodology - MSCI](#).

## MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

## ABOUT MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit [www.msci.com](http://www.msci.com).

The information contained herein (the "Information") may not be reproduced or disseminated in whole or in part without prior written permission from MSCI. The Information may not be used to verify or correct other data, to create indexes, risk models, or analytics, or in connection with issuing, offering, sponsoring, managing or marketing any securities, portfolios, financial products or other investment vehicles. Historical data and analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. None of the Information or MSCI index or other product or service constitutes an offer to buy or sell, or a promotion or recommendation of, any security, financial instrument or product or trading strategy. Further, none of the Information or any MSCI index is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. The Information is provided "as is" and the user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF MSCI INC. OR ANY OF ITS SUBSIDIARIES OR ITS OR THEIR DIRECT OR INDIRECT SUPPLIERS OR ANY THIRD PARTY INVOLVED IN THE MAKING OR COMPILING OF THE INFORMATION (EACH, AN "MSCI PARTY") MAKES ANY WARRANTIES OR REPRESENTATIONS AND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, EACH MSCI PARTY HEREBY EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING ANY OF THE FOREGOING AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, IN NO EVENT SHALL ANY OF THE MSCI PARTIES HAVE ANY LIABILITY REGARDING ANY OF THE INFORMATION FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR ANY OTHER DAMAGES EVEN IF NOTIFIED OF THE POSSIBILITY OF SUCH DAMAGES. The foregoing shall not exclude or limit any liability that may not by applicable law be excluded or limited.

© 2022 MSCI Inc. All rights reserved.