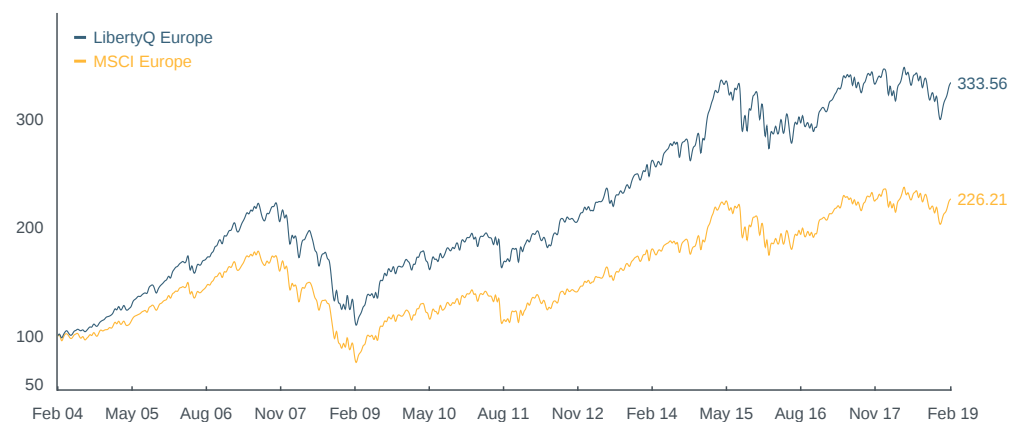


# LIBERTYQ EUROPE INDEX (EUR)

The LibertyQ Europe Index is based on the MSCI Europe Index, its parent index, which includes large and mid-cap stocks across 15 Developed Markets (DM) countries. The LibertyQ Europe Index is designed to reflect the performance of a Franklin Templeton strategy that seeks exposure to four factors: Quality, Value, Momentum and Low Volatility.

## CUMULATIVE INDEX PERFORMANCE - NET RETURNS (EUR) (FEB 2004 – FEB 2019)



## ANNUAL PERFORMANCE (%)

Year	LibertyQ Europe	MSCI Europe
2018	-10.92	-10.57
2017	9.38	10.24
2016	-1.26	2.58
2015	11.68	8.22
2014	11.08	6.84
2013	18.34	19.82
2012	15.32	17.29
2011	-0.93	-8.08
2010	10.80	11.10
2009	31.36	31.60
2008	-39.33	-43.65
2007	9.46	2.69
2006	26.96	19.61
2005	29.13	26.09

## INDEX PERFORMANCE — NET RETURNS (%) (FEB 28, 2019)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Nov 29, 2002
LibertyQ Europe	3.55	4.60	1.48	10.68	5.06	4.95	11.04	8.87
MSCI Europe	4.15	4.48	1.26	10.60	6.84	4.67	10.82	5.84

## FUNDAMENTALS (FEB 28, 2019)

Div Yld (%)	P/E	P/E Fwd	P/BV
4.48	12.32	12.34	1.97
3.73	15.23	13.12	1.74

## INDEX RISK AND RETURN CHARACTERISTICS (NOV 29, 2002 – FEB 28, 2019)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Nov 29, 2002 (%)	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		Period YYYY-MM-DD	
LibertyQ Europe	0.86	3.58	38.58	9.58	11.44	11.42	0.60	0.50	0.97	0.65	51.64	2007-10-29—2009-03-09
MSCI Europe	1.00	0.00	1.58	10.04	11.99	12.97	0.75	0.46	0.85	0.39	58.54	2007-07-16—2009-03-09

<sup>1</sup> Last 12 months      <sup>2</sup> Based on monthly net returns data      <sup>3</sup> Based on ICE LIBOR 1M

\*DM countries in Europe include: Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the UK.

<sup>1</sup> The LibertyQ Indexes are custom indexes owned and calculated by MSCI, based on MSCI Parent Indexes, and aim to reflect the performance of certain Franklin Templeton strategies.

The LibertyQ Europe Index was launched on Jun 25, 2018. Data prior to the launch date is back-tested data (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance -- whether actual or back-tested -- is no indication or guarantee of future performance.

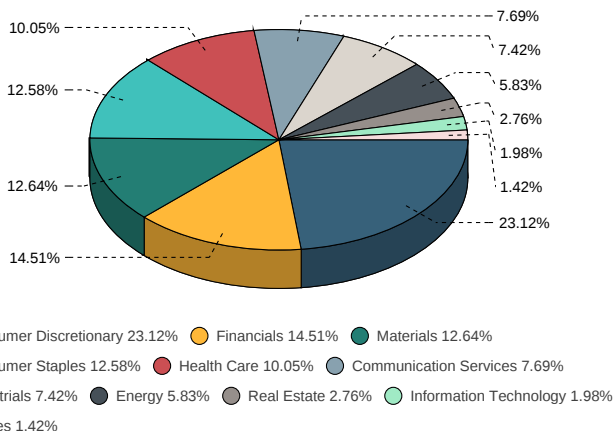
### INDEX CHARACTERISTICS

	LibertyQ Europe	MSCI Europe
Number of Constituents	110	439
	Weight (%)	
Largest	2.26	3.25
Smallest	0.15	0.02
Average	0.91	0.23
Median	0.72	0.11

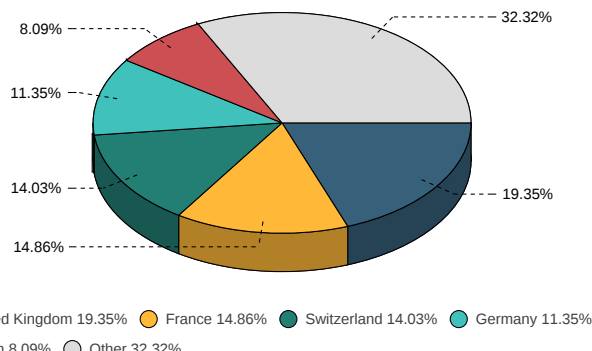
### TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
RIO TINTO PLC (GB)	GB	2.26	0.79	Materials
ROCHE HOLDING GENUSS	CH	2.13	2.29	Health Care
NOVO NORDISK B	DK	2.12	1.04	Health Care
ZURICH INSURANCE GROUP	CH	2.08	0.59	Financials
L'OREAL	FR	2.07	0.74	Cons Staples
NESTLE	CH	2.06	3.25	Cons Staples
INDITEX	ES	2.03	0.39	Cons Discr
DAIMLER	DE	2.02	0.64	Cons Discr
INTESA SANPAOLO	IT	1.99	0.43	Financials
AMADEUS IT GROUP A	ES	1.98	0.39	Info Tech
<b>Total</b>		<b>20.74</b>	<b>10.54</b>	

### SECTOR WEIGHTS



### COUNTRY WEIGHTS



### INDEX METHODOLOGY

The LibertyQ Europe Index aims to capture the targeted style factors with a simple and transparent methodology that ensures reasonably high trading liquidity and investment capacity of the constituent companies, as well as moderate index turnover. A style factor z-score for each security is calculated by combining region relative z-scores of the underlying descriptors. A region relative z-score is computed for an underlying descriptor by standardizing the individual descriptor z-scores within specific sector groups for each region. The composite factor z-score is then computed by custom weighting the style factors z-score. The LibertyQ Europe Index is constructed by targeting 25% of the number of securities from the Parent Index. All the constituents of the Parent Index are ranked based on their Composite Factor Z-Score and target number of securities with the highest rank, are selected. The securities included are weighted by the product of their market cap weight in the parent index and their composite factor score. Issuer weights are capped at 2%. The LibertyQ Europe Index is rebalanced on a semi-annual basis, as of the close of the last business day of May and November.

### ABOUT MSCI

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