

EURO STOXX® ESG-X & EX NUCLEAR POWER MINIMUM VARIANCE

Index description

The objective of the EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance Unconstrained Index is to reflect the EURO STOXX® Index with standardized ESG exclusion screens applied for Global Compact Principles, Controversial Weapons, Thermal Coal, Nuclear Power and Tobacco Producers, with weighting determined by a minimum variance optimization.

Key facts

»Constructed on the EURO STOXX Index with standardized ESG exclusion screens applied for Global Compact Principles, Controversial Weapons, Thermal Coal, Nuclear Power and Tobacco Producers.

»The screens are based on responsible policies and aim to reduce reputational and idiosyncratic risks.

»Screening provided by award-winning ESG data provider Sustainalytics.

»The objective is to apply a minimum variance optimization process to the EURO STOXX Index with standardized ESG exclusion screens.

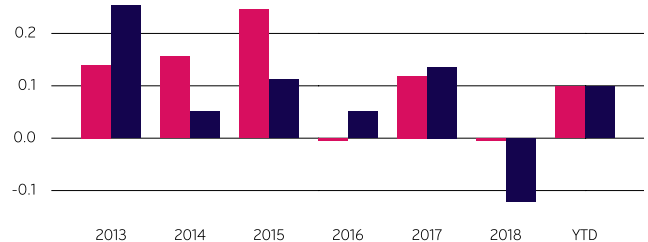
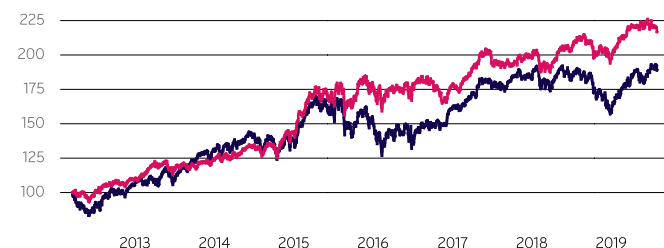
»Optimization provided by award-winning partner Axioma.

»The weighting determined by a minimum variance optimization process.

Risk and return figures¹

Index returns	Return (%)					Annualized return (%)				
	Last month	YTD	1Y	3Y	5Y	Last month	YTD	1Y	3Y	5Y
EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance	-1.2	9.9	2.6	18.8	65.3	N/A	N/A	2.6	6.0	10.7
EURO STOXX Index	0.2	17.8	-0.3	28.5	40.0	N/A	N/A	-0.3	8.8	7.1
Index volatility and risk	Annualized volatility (%)					Annualized Sharpe ratio ²				
EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance	8.6	8.3	9.4	9.8	13.6	-1.1	N/A	0.3	0.6	0.8
EURO STOXX Index	10.2	12.0	13.1	11.9	16.8	1.1	N/A	0.0	0.8	0.4
Index to benchmark	Correlation					Tracking error (%)				
EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance	0.7	0.7	0.8	0.8	0.9	7.3	8.2	7.7	7.2	7.9
Index to benchmark	Beta					Annualized information ratio				
EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance	0.6	0.5	0.6	0.7	0.7	-2.1	-1.6	0.3	-0.4	0.3

Performance and annual returns³



— EURO STOXX® ESG-X & Ex Nuclear Power Minimum Variance Unconstrained Index
— EURO STOXX® Index

■ EURO STOXX® ESG-X & Ex Nuclear Power Minimum Variance Unconstrained Index
■ EURO STOXX® Index

¹ For information on data calculation, please refer to STOXX [calculation reference guide](#).

² Based on Euribor1m

³ STOXX data from Mar. 19, 2012 to Jul. 31, 2019

(EUR, gross return), all data as of Jul. 31, 2019

STRATEGY INDICES

EURO STOXX® ESG-X & EX NUCLEAR POWER MINIMUM VARIANCE

Methodology

The objective of the EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance Unconstrained Index is to reflect the EURO STOXX Index with standardized ESG exclusion screens applied for Global Compact Principles, Controversial Weapons, Thermal Coal, Nuclear Power and Tobacco Producers, with weighting determined by a minimum variance optimization. The index is reviewed quarterly. The EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance optimization is performed using Axiomas Portfolio Optimization software. This portfolio construction tool includes a Second-Order Cone optimization engine as well as a Branch-and-Bound algorithm for combinatorial problems that has been specialized for financial problems. Risk predictions are made using Axiomas European, Medium-Horizon, Equity Fundamental Factor Risk Model.

Quick facts

Weighting	Optimized
Cap factor	4.5% / 8% / 35%
No. of components	Variable
Review frequency	Quarterly
Calculation/distribution	realtime 15 sec
Calculation hours	09:00:00 18:00:00
Base value/base date	100 as of Mar. 19, 2012
History	100 as of Mar. 19, 2012
Inception date	Jan. 30, 2019

To learn more about the inception date, the currency, the calculation hours and historical values, please see our data vendor code sheet.

Versions and symbols

Index	ISIN	Symbol	Bloomberg	Reuters
Gross Return EUR	CH0459297690	SXEXMVEG	SXEXMVEG	.SXEXMVEG
Net Return EUR	CH0459297674	SXEXMVEN	SXEXMVEN	.SXEXMVEN
Price EUR	CH0459297682	SXEXMVEP	SXEXMVEP	.SXEXMVEP
Gross Return USD	CH0459297757	SXEXMVUG		.SXEXMVUG
Net Return USD	CH0459297880	SXEXMVUN		.SXEXMVUN
Price USD	CH0459297625	SXEXMVUP		.SXEXMVUP

Complete list available here: www.stoxx.com/data/vendor_codes.html

CONTACT DETAILS

STOXX customer support

P +41 43 430 7272
 customersupport@stoxx.com
 www.stoxx.com

STOXX is part of Deutsche Boerse Group

CUSTOMIZATION

The index can be used as a basis for the definition of STOXX® Customized Indices, which can be tailored to specific client or mandate needs. STOXX offers customization in almost unlimited forms for example in terms of component selection, weighting schemes and personalized calculation methodologies.

DISCLAIMER

STOXX, Deutsche Boerse Group (DBAG) and their licensors, research partners or data providers do not make any warranties or representations, express or implied, with respect to the timeliness, sequence, accuracy, completeness, currentness, merchantability, quality or fitness for any particular purpose of its index data and exclude any liability in connection therewith. STOXX, DBAG and their licensors, research partners or data providers are not providing investment advice through the publication of indices or in connection therewith. In particular, the inclusion of a company in an index, its weighting, or the exclusion of a company from an index, does not in any way reflect an opinion of STOXX, DBAG or their licensors, research partners or data providers on the merits of that company. Financial instruments based on the STOXX® indices, DAX® indices or on any other indices supported by STOXX are in no way sponsored, endorsed, sold or promoted by STOXX, DBAG or their licensors, research partners or data providers.

BACKTESTED PERFORMANCE

This document contains index performance data based on backtesting, i.e. calculations of how the index might have performed prior to launch if it had existed using the same index methodology and based on historical constituents. Backtested performance information is purely hypothetical and is provided in this document solely for information purposes. Backtested performance does not represent actual performance and should not be interpreted as an indication of actual performance.

STRATEGY INDICES

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Top 10 Components⁴

Company	Supersector	Country	Weight (%)
BEIERSDORF	Personal & Household Goods	DE	7.81
HERMES INTERNATIONAL	Personal & Household Goods	FR	6.62
AHOLD DELHAIZE	Retail	NL	5.60
RED ELECTRICA CORPORATION	Utilities	ES	5.39
HEINEKEN	Food & Beverage	NL	4.20
SAMPO	Insurance	FI	4.18
SNAM RETE GAS	Oil & Gas	IT	3.82
GRAND CITY PROPERTIES	Real Estate	DE	3.52
ENAGAS	Utilities	ES	3.28
ENDESA	Utilities	ES	3.25

⁴ Based on the composition as of Jul. 31, 2019
