# EURO STOXX ESG-X & EX NUCLEAR POWER MINIMUM VARIANCE UNCONSTRAINED

## 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.

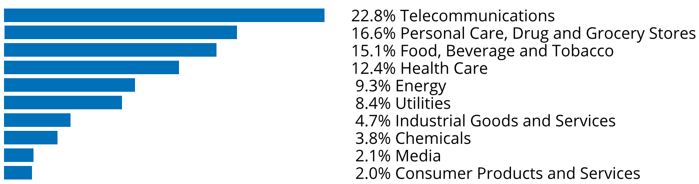
»The weighting determined by a minimum variance optimization process.

»Suitable as underlying for passive funds, ETFs, structured products and listed derivatives.

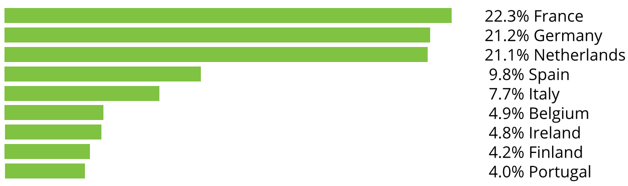
## Descriptive statistics

| Index | Market cap (EUR bn.) | | Components (EUR bn.) | | | | Component weight (%) | | Turnover (%) |
|---|---|---|---|---|---|---|---|---|---|
| | Full | Free-float | Mean | Median | Largest | Smallest | Largest | Smallest | Last 12 months |
| EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance Unconstrained | N/A | 100.0 | 1.6 | 0.8 | 8.2 | 0.0 | 8.3 | 0.0 | 30.0 |
| EURO STOXX | 7,032.4 | 5,017.5 | 17.2 | 6.9 | 245.1 | 1.5 | 4.9 | 0.0 | 3.0 |

## Supersector weighting (top 10)




## Country weighting




## Risk and return figures[1]

| 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 Unconstrained | -0.5 | 9.7 | 5.7 | 12.7 | 18.0 | N/A | N/A | 5.8 | 4.1 | 3.4 |
| EURO STOXX | -3.1 | 22.4 | 20.8 | 37.8 | 38.8 | N/A | N/A | 21.0 | 11.4 | 6.9 |
| **Index volatility and risk** | **Annualized volatility (%)** | | | | | **Annualized Sharpe ratio** | | | | |
| EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance Unconstrained | N/A | N/A | 10.6 | 11.6 | 14.0 | N/A | N/A | 0.2 | 0.3 | 0.2 |
| EURO STOXX | N/A | N/A | 15.9 | 17.8 | 19.9 | N/A | N/A | 1.0 | 0.6 | 0.3 |
| **Index to benchmark** | **Correlation** | | | | | **Tracking error (%)** | | | | |
| EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance Unconstrained | 0.8 | 0.7 | 0.8 | 0.8 | 0.8 | 8.0 | 10.5 | 10.3 | 11.5 | 11.1 |
| **Index to benchmark** | **Beta** | | | | | **Annualized information ratio** | | | | |
| EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance Unconstrained | 0.5 | 0.4 | 0.5 | 0.5 | 0.6 | 3.6 | -0.7 | -1.4 | -0.7 | -0.4 |

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

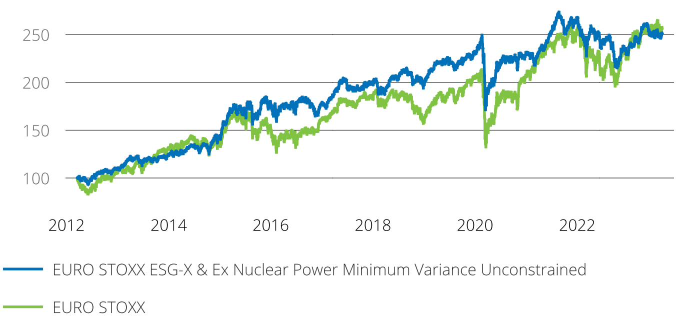
*(EUR, gross return), all data as of Aug. 31, 2023*

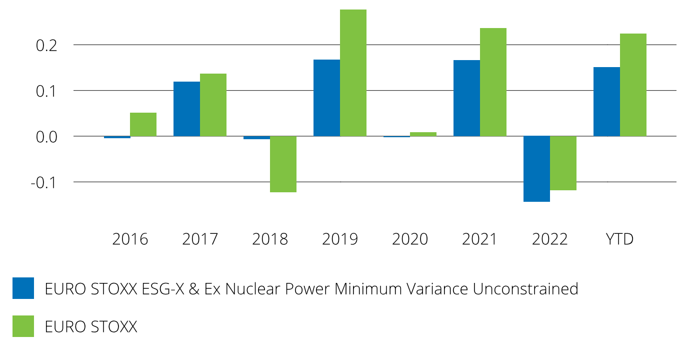
# EURO STOXX ESG-X & EX NUCLEAR POWER MINIMUM VARIANCE

## Fundamentals (for last 12 months)

| Index | Price/earnings incl. negative | | Price/earnings excl. negative | | Price/ book | Dividend yield (%) [3] | Price/ sales | Price/ cash flow |
|---|---|---|---|---|---|---|---|---|
| | Trailing | Projected | Trailing | Projected | Trailing | Trailing | Trailing | Trailing |
| EURO STOXX ESG-X & Ex Nuclear Power Minimum Variance Unconstrained | 18.9 | 15.2 | 17.2 | 14.9 | 1.9 | 3.6 | 1.1 | 7.6 |
| EURO STOXX | 14.7 | 12.1 | 12.7 | 11.7 | 1.6 | 3.8 | 1.0 | 4.3 |

## Performance and annual returns[4]




## 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 Axioma's 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 Axioma's European, Medium-Horizon, Equity Fundamental Factor Risk Model.

## Versions and symbols

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

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

## 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.

**CONTACT DETAILS**
STOXX customer support | P +41 43 430 7272 | customersupport@stoxx.com | https://qontigo.com/support/



**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.

**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.

[3] gr. div. yield is calculated as gr. return index return minus price index return
[4] STOXX data from Mar. 19, 2012 to Aug. 31, 2023

*(EUR, gross return), all data as of Aug. 31, 2023*

**FACTOR & STRATEGY**

# EURO STOXX ESG-X & EX NUCLEAR POWER MINIMUM VARIANCE UNCONSTRAINED

## Top 10 Components[5]

| Company | Supersector | Country | Weight (%) |
|---|---|---|---|
| BEIERSDORF | Personal Care, Drug and Grocery | Germany | 8.25 |
| KPN | Telecommunications | Netherlands | 8.25 |
| ORANGE | Telecommunications | France | 7.66 |
| AHOLD DELHAIZE | Personal Care, Drug and Grocery | Netherlands | 7.56 |
| KERRY GRP | Food, Beverage and Tobacco | Ireland | 4.16 |
| DANONE | Food, Beverage and Tobacco | France | 3.86 |
| SNAM RETE GAS | Energy | Italy | 3.70 |
| HEINEKEN | Food, Beverage and Tobacco | Netherlands | 3.67 |
| SANOFI | Health Care | France | 3.29 |
| GALP ENERGIA | Energy | Portugal | 3.04 |

[5] Based on the composition as of Aug. 31, 2023