# EURO ISTOXX® ESG-X & EX NUCLEAR POWER MULTI FACTOR INDEX

## Index description

The EURO iSTOXX ESG-X & Ex Nuclear Power Multi Factor Index is constructed on the EURO STOXX Index with standardized ESG exclusion screens applied for Global Standards Screening, Controversial Weapons, Thermal Coal, Nuclear Power and Tobacco Producers. The objective is to diversify across the factors of Profitability, Earnings Yield, Leverage, Value and Low Volatility (accomplished through the minimum variance objective), with the weighting determined by a multi-factor optimization process.

## Key facts

»Constructed on the EURO STOXX Index with standardized ESG exclusion screens applied for Global Standards Screening, 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 diversify across the factors of Profitability, Earnings Yield, Leverage, Value, and Low Volatility (accomplished through the minimum variance objective).

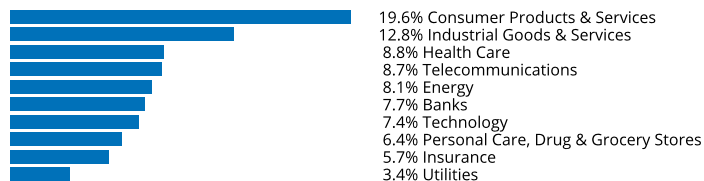»Optimization provided by award-winning partner Axioma.

»The weighting determined by a multi-factor optimization process.

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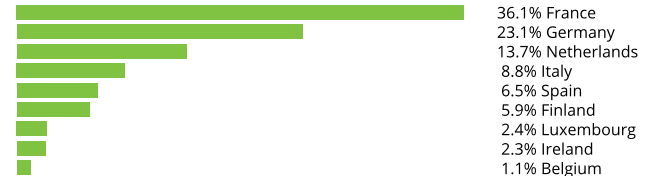
## Descriptive statistics

| Index | Market cap (EUR bn.) | | Components (EUR bn.) | | | | Component weight (%) | | Turnover (%) |
|---|---|---|---|---|---|---|---|---|---|
| | Full | Free-float | Mean | Median | Largest | Smallest | Largest | Smallest | Last 12 months |
| EURO iSTOXX ESG-X & Ex Nuclear Power Multi Factor Index | N/A | 103.7 | 2.1 | 1.4 | 9.3 | 0.0 | 8.9 | 0.0 | 30.3 |
| EURO STOXX Index | 7,239.0 | 5,081.4 | 17.4 | 7.0 | 231.2 | 1.0 | 4.5 | 0.0 | 3.1 |

## Supersector weighting (top 10)



19.6% Consumer Products & Services
12.8% Industrial Goods & Services
8.8% Health Care
8.7% Telecommunications
8.1% Energy
7.7% Banks
7.4% Technology
6.4% Personal Care, Drug & Grocery Stores
5.7% Insurance
3.4% Utilities

## Country weighting



36.1% France
23.1% Germany
13.7% Netherlands
8.8% Italy
6.5% Spain
5.9% Finland
2.4% Luxembourg
2.3% Ireland
1.1% Belgium

## Risk and return figures[1]

| Index returns | | | | | | Return (%) | | | | | Annualized return (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Last month | YTD | 1Y | 3Y | 5Y | Last month | YTD | 1Y | 3Y | 5Y | |
| EURO iSTOXX ESG-X & Ex Nuclear Power Multi Factor Index | 2.6 | 14.0 | 10.1 | 44.9 | 35.7 | N/A | N/A | 10.2 | 13.3 | 6.4 | |
| EURO STOXX Index | 1.4 | 13.4 | 11.1 | 52.6 | 31.9 | N/A | N/A | 11.3 | 15.3 | 5.8 | |

| Index volatility and risk | | | Annualized volatility (%) | | | | | | Annualized Sharpe ratio[2] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EURO iSTOXX ESG-X & Ex Nuclear Power Multi Factor Index | 5.8 | 13.1 | 16.3 | 16.6 | 17.3 | N/A | N/A | 0.5 | 0.7 | 0.4 | |
| EURO STOXX Index | 6.5 | 15.8 | 18.6 | 19.0 | 19.8 | N/A | N/A | 0.5 | 0.7 | 0.3 | |

| Index to benchmark | | | Correlation | | | | | | Tracking error (%) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EURO iSTOXX ESG-X & Ex Nuclear Power Multi Factor Index | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 4.7 | 4.7 | 4.7 | 5.4 | 5.1 | |

| Index to benchmark | | | Beta | | | | | | Annualized information ratio | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EURO iSTOXX ESG-X & Ex Nuclear Power Multi Factor Index | 0.6 | 0.8 | 0.9 | 0.8 | 0.8 | 3.4 | 0.2 | -0.3 | -0.4 | -0.0 | |

[1] For information on data calculation, please refer to STOXX calculation reference guide.
[2] Based on EURIBOR1M

*(EUR, net return), all data as of Apr. 28, 2023*

# ISTOXX INDICES
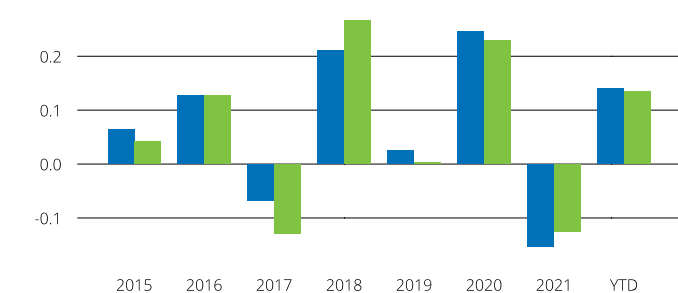# EURO ISTOXX® ESG-X & EX NUCLEAR POWER MULTI FACTOR

## 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 iSTOXX ESG-X & Ex Nuclear Power Multi Factor Index | 11.4 | 11.3 | 11.2 | 11.3 | 1.3 | 2.8 | 0.8 | 0.3 |
| EURO STOXX Index | 15.6 | 12.5 | 13.8 | 12.2 | 1.6 | 2.8 | 1.0 | 1.0 |

## Performance and annual returns[4]
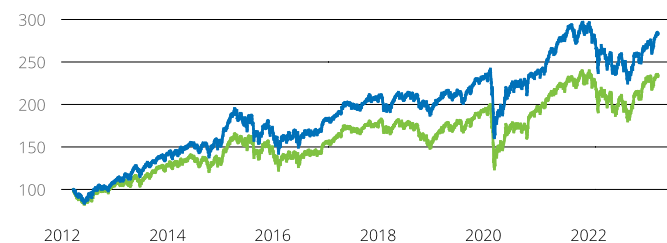


— EURO iSTOXX® ESG-X & Ex Nuclear Power Multi Factor Index
— EURO STOXX® Index



■ EURO iSTOXX® ESG-X & Ex Nuclear Power Multi Factor Index    ■ EURO STOXX® Index

## Methodology

The EURO iSTOXX ESG-X & Ex Nuclear Power Multi Factor Index is constructed on the EURO STOXX Index with standardized ESG exclusion screens applied for Global Standards Screening, Controversial Weapons, Thermal Coal, Nuclear Power and Tobacco Producers. The objective is to diversify across the factors of Profitability, Earnings Yield, Leverage, Value, and Low Volatility (accomplished through the minimum variance objective), with the weighting determined by a multi-factor optimization process. The index is reviewed quarterly.

The EURO iSTOXX ESG-X & Ex Nuclear Power Multi Factor 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 | CH0459297708 | IXEXMFEG | IXEXMFEG INDEX | .IXEXMFEG |
| Net Return | EUR | CH0459297658 | IXEXMFEN | IXEXMFEN INDEX | .IXEXMFEN |
| Price | EUR | CH0459297823 | IXEXMFEP | IXEXMFEP INDEX | .IXEXMFEP |
| Gross Return | USD | CH0459297591 | IXEXMFUG | | .IXEXMFUG |
| Net Return | USD | CH0459297872 | IXEXMFUN | | .IXEXMFUN |
| Price | USD | CH0459297732 | IXEXMFUP | | .IXEXMFUP |

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.

[3] Net dividend yield is calculated as net return index return minus price index return
[4] STOXX data from Mar. 19, 2012 to Apr. 28, 2023

*(EUR, net return), all data as of Apr. 28, 2023*

**ISTOXX INDICES**
# EURO ISTOXX® ESG-X & EX NUCLEAR POWER MULTI FACTOR INDEX

## Top 10 Components[5]

| Company | Supersector | Country | Weight (%) |
|---|---|---|---|
| L'OREAL | Consumer Products & Services | France | 8.93 |
| HERMES INTERNATIONAL | Consumer Products & Services | France | 6.08 |
| SANOFI | Health Care | France | 5.29 |
| AHOLD DELHAIZE | Personal Care, Drug & Grocery Stores | Netherlands | 5.25 |
| KONE B | Industrial Goods & Services | Finland | 5.23 |
| DEUTSCHE POST | Industrial Goods & Services | Germany | 4.83 |
| ORANGE | Telecommunications | France | 4.72 |
| SAP | Technology | Germany | 4.61 |
| HENKEL PREF | Consumer Products & Services | Germany | 4.54 |
| ENI | Energy | Italy | 4.44 |

[5] Based on the composition as of Apr. 28, 2023