

# STOXX® USA 900 ESG-X AX MULTI-FACTOR INDEX

## Index description

STOXX uses Axioma's risk model and optimizer to construct the factor indices. The STOXX ESG-X single and multi-factor indices are based on the respective STOXX ESG-X country or regional benchmark indices.

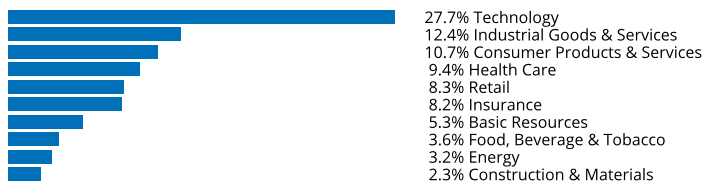
## Key facts

- » Invest responsibly in targeted factor exposures with managed liquidity and risk profiles across various regions
- » Universe is based on the STOXX ESG-X benchmark family with standardized ESG exclusion screens
- » Use of Axioma's factor risk models and portfolio construction expertise to define the factors based on extensive validation from research and having a clear economic rationale
- » Factor family consists of 5 single factor indices (Value, Momentum, Quality, Low Risk, and Size) and one multi-factor index
- » Same index construction rules applied across the factor family
- » Single factor indices maximize the target factor while constraining the exposure to other factors
- » Multi-factor index employs a bottom-up approach by maximizing the exposure to an equally weighted aggregated multi-factor score
- » Ensures tradability by managing turnover and exposure to illiquid positions

## Descriptive statistics

Index	Market cap (USD bn.)		Components (USD bn.)				Component weight (%)		Turnover (%)
	Full	Free-float	Mean	Median	Largest	Smallest	Largest	Smallest	Last 12 months
STOXX USA 900 ESG-X Ax Multi-Factor Index	N/A	115.7	0.8	0.4	7.7	0.0	6.7	0.0	50.1
STOXX USA 900 ESG-X Index	40,023.5	38,246.2	47.7	14.9	2,940.1	2.4	7.7	0.0	8.0

## Supersector weighting (top 10)



## Country weighting



## Risk and return figures<sup>1</sup>

Index returns	Return (%)					Annualized return (%)				
	Last month	YTD	1Y	3Y	5Y	Last month	YTD	1Y	3Y	5Y
STOXX USA 900 ESG-X Ax Multi-Factor Index	3.0	16.7	11.5	49.0	70.0	N/A	N/A	11.5	14.3	11.3
STOXX USA 900 ESG-X Index	3.4	21.8	13.6	43.5	78.6	N/A	N/A	13.7	12.9	12.4
Index volatility and risk	Annualized volatility (%)					Annualized Sharpe ratio <sup>2</sup>				
STOXX USA 900 ESG-X Ax Multi-Factor Index	9.4	15.3	19.6	19.6	22.5	N/A	N/A	0.5	0.6	0.4
STOXX USA 900 ESG-X Index	9.5	14.3	19.4	19.1	22.5	N/A	N/A	0.6	0.6	0.5
Index to benchmark	Correlation					Tracking error (%)				
STOXX USA 900 ESG-X Ax Multi-Factor Index	0.8	0.9	1.0	1.0	1.0	5.6	5.8	5.4	5.7	6.0
Index to benchmark	Beta					Annualized information ratio				
STOXX USA 900 ESG-X Ax Multi-Factor Index	0.8	1.0	1.0	1.0	1.0	-0.9	-1.6	-0.5	0.1	-0.4

<sup>1</sup> For information on data calculation, please refer to STOXX calculation reference guide.

<sup>2</sup> Based on EURIBOR1M

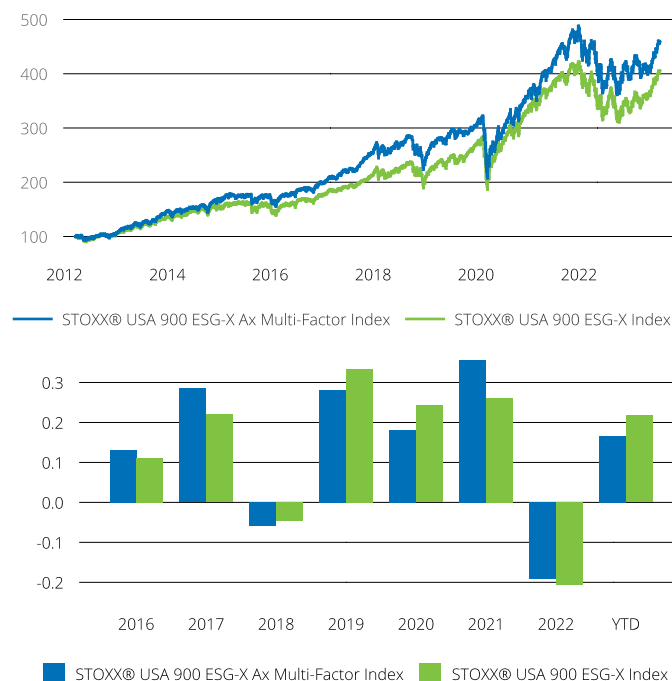
(USD, gross return), all data as of Jul. 31, 2023

## FACTOR AND STRATEGY

## STOXX® USA 900 ESG-X AX MULTI-FACTOR INDEX

## Fundamentals (for last 12 months)

Index	Price/earnings incl. negative		Price/earnings excl. negative		Price/ book	Dividend yield (%) <sup>3</sup>	Price/ sales	Price/ cash flow
	Trailing	Projected	Trailing	Projected	Trailing	Trailing	Trailing	Trailing
STOXX USA 900 ESG-X Ax Multi-Factor Index	15.5	16.1	15.1	16.1	3.6	1.8	1.5	19.3
STOXX USA 900 ESG-X Index	29.3	22.2	25.2	21.5	4.7	1.8	2.6	14.3

Performance and annual returns<sup>4</sup>

## Methodology

Bringing together the powerful indexing and analytics capabilities of Qontigo, the STOXX Factor Index suite delivers more clarity to the market for factor investors by relying on the institutionally tested analytics of Axioma Factor Risk Models and advanced portfolio construction techniques. The use of Axioma's risk models ensures strong exposure to the respective target factor (Value, Momentum, Quality, Low Risk, Size, Multi-Factor) while allowing for ease of control over unintended exposures. The ESG-X screens are based on responsible policies of leading asset owners and aim to reduce reputational and idiosyncratic risks. The inclusion of constraints targets benchmark tracking with industry and country controls, and ensures tradability by limiting exposure to less liquid names and turnover while controlling for effective number of names and weights.

## Versions and symbols

Index	ISIN	Symbol	Bloomberg	Reuters
Gross Return EUR	CH0524923577	SA9UEMFG		.SA9UEMFG
Net Return EUR	CH0524923924	SA9UEMFR		.SA9UEMFR
Price EUR	CH0524923973	SA9UEMFP		.SA9UEMFP
Gross Return USD	CH0524923783	SA9UEMFZ	SA9UEMFZ INDEX	.SA9UEMFZ
Net Return USD	CH0524923825	SA9UEMFV		.SA9UEMFV
Price USD	CH0524923742	SA9UEMFL		.SA9UEMFL

Complete list available here: [www.stoxx.com/data/vendor\\_codes.html](http://www.stoxx.com/data/vendor_codes.html)

## Quick facts

Weighting	Optimization
Cap factor	4.5% / min (20x parent index weight, 8%) / 35%
No. of components	Variable
Review frequency	Quarterly
Calculation/distribution	dayend
Calculation hours	22:15:00 22:15:00
Base value/base date	100 as of Mar. 19, 2012
History	Mar. 19, 2012
Inception date	Mar. 26, 2020

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

## CONTACT DETAILS

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## 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.

<sup>3</sup> gr. div. yield is calculated as gr. return index return minus price index return

<sup>4</sup> STOXX data from Mar. 19, 2012 to Jul. 31, 2023

(USD, gross return), all data as of Jul. 31, 2023

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## Top 10 Components<sup>5</sup>

<b>Company</b>	<b>Supersector</b>	<b>Country</b>	<b>Weight (%)</b>
Accenture PLC Cl A	Industrial Goods & Services	United States	6.67
Apple Inc.	Technology	United States	4.84
Costco Wholesale Corp.	Retail	United States	4.24
SYNOPSIS	Technology	United States	3.44
CADENCE DESIGN SYS.	Technology	United States	3.33
MARATHON PETROLEUM	Energy	United States	2.67
ON SEMICON.	Technology	United States	2.41
Nucor Corp.	Basic Resources	United States	2.26
OLD DOMINION FGT. LINES	Industrial Goods & Services	United States	2.18
D.R. Horton Inc.	Consumer Products & Services	United States	2.12

<sup>5</sup> Based on the composition as of Jul. 31, 2023