STOXX® AI GLOBAL ARTIFICIAL INTELLIGENCE INDEX

Index description

Artificial intelligence (AI) is the science of creating computer programs and machines that exhibit human-like intelligence and cognitive skills. The STOXX® AI Global Artificial Intelligence Index is comprised of companies from a wide range of industries that invest heavily in the development of new AI technologies. These companies are therefore considered to be well-positioned to benefit from the increased adoption of AI technologies.

STOXX teamed up with an award-winning AI company, Yewno, whose proprietary AI algorithms, which include knowledge graph techniques, are used to identify the index constituents from the universe of the STOXX® Developed and Emerging Markets Total Market Index. The key criterion used in the selection process is patent filings related to AI IP, thereby identifying AI innovators as well as AI adopters.

Key facts

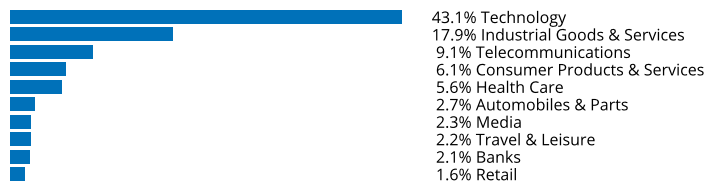» Index allows targeted investment in AI, a significant megatrend.

» Unique selection process based on an artificial-intelligence algorithm developed by Yewno Inc. to identify companies which invest heavily in AI technology, i.e. which own a significant amount of AI-related IP.

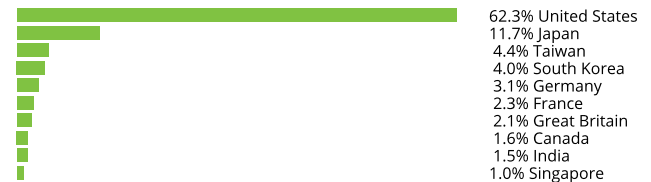» Liquidity filters ensure replicability of the index

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
STOXX AI Global Artificial Intelligence Index	N/A	9.6	0.0	0.0	0.1	0.0	0.5	0.1	33.0
STOXX Developed and Emerging Markets Total Market Index	74,186.4	62,355.9	5.7	0.6	2,302.3	0.0	3.7	0.0	2.8

Supersector weighting (top 10)

43.1% Technology
17.9% Industrial Goods & Services
9.1% Telecommunications
6.1% Consumer Products & Services
5.6% Health Care
2.7% Automobiles & Parts
2.3% Media
2.2% Travel & Leisure
2.1% Banks
1.6% Retail

Country weighting

62.3% United States
11.7% Japan
4.4% Taiwan
4.0% South Korea
3.1% Germany
2.3% France
2.1% Great Britain
1.6% Canada
1.5% India
1.0% Singapore

Risk and return figures[1]

Index returns	Return (%)					Annualized return (%)				
	Last month	YTD	1Y	3Y	5Y	Last month	YTD	1Y	3Y	5Y
STOXX AI Global Artificial Intelligence Index	-3.8	5.2	-6.2	41.6	55.0	N/A	N/A	-6.3	12.4	9.3
STOXX Developed and Emerging Markets Total Market Index	-0.3	4.3	-4.5	34.5	39.0	N/A	N/A	-4.5	10.5	6.9
Index volatility and risk	Annualized volatility (%)					Annualized Sharpe ratio[2]				
STOXX AI Global Artificial Intelligence Index	14.3	14.7	19.7	17.3	18.8	N/A	N/A	-0.5	0.6	0.5
STOXX Developed and Emerging Markets Total Market Index	11.8	12.1	16.3	14.7	17.0	N/A	N/A	-0.5	0.6	0.4
Index to benchmark	Correlation					Tracking error (%)				
STOXX AI Global Artificial Intelligence Index	1.0	0.9	1.0	1.0	1.0	3.6	5.1	5.9	5.2	4.9
Index to benchmark	Beta					Annualized information ratio				
STOXX AI Global Artificial Intelligence Index	1.1	1.2	1.2	1.1	1.1	-14.1	0.6	-0.2	0.4	0.5

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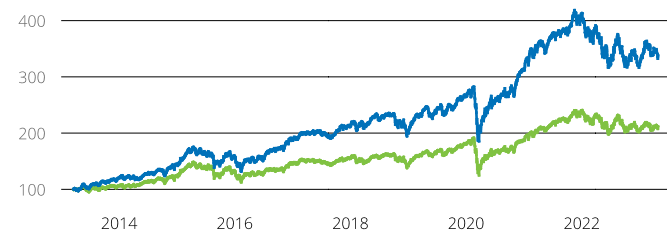[2] Based on EURIBOR1M

(EUR, price), all data as of Apr. 28, 2023

STOXX Ltd. is part of Qontigo

THEMATIC INDICES
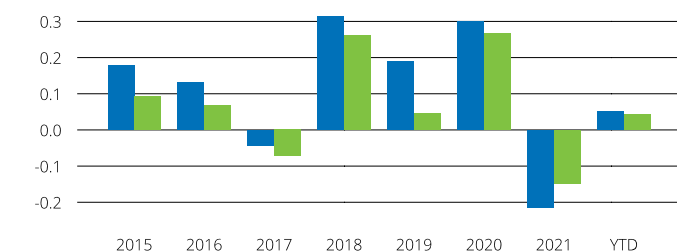# STOXX® AI GLOBAL ARTIFICIAL INTELLIGENCE INDEX

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
STOXX AI Global Artificial Intelligence Index	-63.8	20.8	18.2	16.3	2.2	1.1	1.0	2.6
STOXX Developed and Emerging Markets Total Market Index	22.7	17.0	16.4	16.1	0.1	1.7	1.4	3.6

Performance and annual returns[4]

—— STOXX® AI Global Artificial Intelligence Index
—— STOXX® Developed and Emerging Markets Total Market Index

■ STOXX® AI Global Artificial Intelligence Index

■ STOXX® Developed and Emerging Markets Total Market Index

Methodology

The parent index of the STOXX AI Global Artificial Intelligence Index is the STOXX® Developed and Emerging Markets Total Market Index.

Companies are included in the index if they own significant AI-related intellectual property (IP), i.e. if they have been granted a significant number of AI-related patents. A companys AI IP is deemed to be significant if both its AI IP exposure and its AI IP contribution fall within the top 75% of companies (calculated based only on those companies which have AI IP exposure and make an AI IP contribution).

The remaining companies are then screened for liquidity, only selecting stocks with a 3-month average daily trading value (ADTV) greater than 1,000,000 EUR. The index is equal-weighted.

The detailed methodology including the calculation formula can be found in our rulebooks: www.stoxx.com/rulebooks

Versions and symbols

Index		ISIN	Symbol	Bloomberg	Reuters
Gross Return	EUR	CH0393657322	STXAAIGR	STXAAIGR INDEX	.STXAAIGR
Net Return	EUR	CH0393657660	STXAAIR		.STXAAIR
Net Return	EUR	CH0393657660	STXAAIR		.STXAAIR
Price	EUR	CH0393657413	STXAAIP	STXAAIP INDEX	.STXAAIP
Price	EUR	CH0393657413	STXAAIP	STXAAIP INDEX	.STXAAIP
Gross Return	USD	CH0393657348	STXAAIGV	STXAAIGV INDEX	.STXAAIGV
Net Return	USD	CH0393657595	STXAAIV		.STXAAIV
Net Return	USD	CH0393657595	STXAAIV		.STXAAIV
Price	USD	CH0393657637	STXAAIL	STXAAIL INDEX	.STXAAIL
Price	USD	CH0393657637	STXAAIL	STXAAIL INDEX	.STXAAIL

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

Quick facts

Weighting	Equal-weighted
Cap factor	N/A
No. of components	Variable
Review frequency	Quarterly in March, June, September and December
Calculation/distribution	Realtime/15sec for price indices, day end for others
Calculation hours	00:00 22:00 for price indices, 22:00 - 22:00 for others
Base value/base date	100 on Mar. 18, 2013
History	Available Daily since Mar. 18, 2013
Inception date	Jan. 22, 2018

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

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] Net dividend yield is calculated as net return index return minus price index return
[4] STOXX data from Mar. 18, 2013 to Apr. 28, 2023

(EUR, price), all data as of Apr. 28, 2023

THEMATIC INDICES
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Top 10 Components[5]

Company	Supersector	Country	Weight (%)
SOFTWARE	Technology	Germany	0.52
MICROSTRATEGY	Technology	United States	0.49
Wistron	Technology	Taiwan	0.43
META PLATFORMS CLASS A	Technology	United States	0.41
PHILIPS	Health Care	Netherlands	0.39
DOOSAN BOBCAT	Industrial Goods & Services	South Korea	0.39
Inventec Corp	Technology	Taiwan	0.38
Microsoft Corp.	Technology	United States	0.38
UNIVERSAL ENTERTAINMENT	Travel & Leisure	Japan	0.38
NVIDIA Corp.	Technology	United States	0.37

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