

# INDEX GUIDELINE

SOLACTIVE TRANSATLANTIC SECTOR INDICES

Version 1.0

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## INTRODUCTION

This document (the "**GUIDELINE**") is to be used as a guideline with regard to the composition, calculation and maintenance of the SOLACTIVE TRANSATLANTIC SECTOR INDICES (the "**INDICES**" and individually the "**INDEX**"). Any amendments to the rules made to the GUIDELINE are approved by the OVERSIGHT COMMITTEE specified in Section 5.5. The INDEX is owned, calculated, administered and published by Solactive AG ("**SOLACTIVE**") assuming the role as administrator (the "**INDEX ADMINISTRATOR**") under the Regulation (EU) 2016/1011 (the "**BENCHMARK REGULATION**" or "**BMR**"). The name "Solactive" is trademarked.

*The text uses defined terms which are formatted with "SMALL CAPS". Such Terms shall have the meaning assigned to them as specified in Section 6 (Definitions).*

**The GUIDELINE and the policies and methodology documents referenced herein contain the underlying principles and rules regarding the structure and operation of the INDEX. SOLACTIVE does not offer any explicit or tacit guarantee or assurance, neither pertaining to the results from the use of the INDEX nor the level of the INDEX at any certain point in time nor in any other respect. SOLACTIVE strives to the best of its ability to ensure the correctness of the calculation. There is no obligation for SOLACTIVE – irrespective of possible obligations to issuers – to advise third parties, including investors and/or financial intermediaries, of any errors in the INDEX. The publication of the INDEX by SOLACTIVE does not constitute a recommendation for capital investment and does not contain any assurance or opinion of SOLACTIVE regarding a possible investment in a financial instrument based on this INDEX.**



# 1. INDEX SPECIFICATIONS

## 1.1. SCOPE OF THE INDEX

Category	Description
Asset Class	Equity
Strategy	The INDICES intend to track the performance of companies from various sectors of the United States and European stock markets within the Solactive Global Benchmark Series
Regional Allocation	Developed Markets
Rebalancing Fee	--
Rebalancing Frequency	--

## 1.2. IDENTIFIERS AND PUBLICATION

The INDICES are published under the following identifiers:

Name	ISIN	Currency	Type	RIC	BBG ticker	START DATE	LIVE DATE
Solactive Transatlantic Energy Focus Index PR	DE000SLOJ7J0	EUR	PR	.STAENFP	--	08/05/2006	29/08/2023
Solactive Transatlantic Energy Focus Index NTR	DE000SLOJ7K8	EUR	NTR	.STAENFN	--	08/05/2006	29/08/2023
Solactive Transatlantic Energy Focus Index TR	DE000SLOJ7L6	EUR	TR	.STAENFT	STAENFT	08/05/2006	29/08/2023
Solactive Transatlantic Energy Focus Index AR	DE000SLOJXZ4	EUR	AR	.SOE1DV50	SOE1DV50	08/05/2006	29/08/2023
Solactive Transatlantic Banks Focus Index PR	DE000SLOJ7M4	EUR	PR	.STABFP	--	08/05/2006	29/08/2023
Solactive Transatlantic Banks Focus Index NTR	DE000SLOJ7N2	EUR	NTR	.STABFN	--	08/05/2006	29/08/2023
Solactive Transatlantic Banks Focus Index TR	DE000SLOJ7P7	EUR	TR	.STABFT	STABFT	08/05/2006	29/08/2023
Solactive Transatlantic Banks Focus Index AR	DE000SLOJX06	EUR	AR	.SOB1DV50	SOB1DV50	08/05/2006	29/08/2023

\*PR, NTR, GTR, and AR means that the Index is calculated as price return, net total return, gross total return, and adjusted return index as described in the Equity Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/equity-index-methodology/>



The INDICES are published on the website of the INDEX ADMINISTRATOR ([www.solactive.com](http://www.solactive.com)) and is, in addition, available via the price marketing services of Boerse Stuttgart GmbH and may be distributed to all of its affiliated vendors. Each vendor decides on an individual basis as to whether it will distribute or display the INDICES via its information systems.

Any publication in relation to the INDICES (e.g. notices, amendments to the GUIDELINE) will be available at the website of the INDEX ADMINISTRATOR: <https://www.solactive.com/news/announcements/>.

## 1.3. INITIAL LEVEL OF THE INDEX

### 1.3.1. SOLACTIVE TRANSATLANTIC ENERGY FOCUS INDEX

The initial level of the price return, net total return, and gross total return index on the START DATE, as shown in Section 1.2., is 1000.00. For the adjusted return index, the initial level on the START DATE is 1037.33. The adjusted return index level has been fixed at 950 as of the 24/07/2023. Historical values from the LIVE DATE, as shown in Section 1.2., will be recorded in accordance with Article 8 of the BMR. Levels of the INDEX published for a period prior to the LIVE DATE have been back-tested.

### 1.3.2. SOLACTIVE TRANSATLANTIC BANKS FOCUS INDEX

The initial level of the price return, net total return, and gross total return index on the START DATE, as shown in Section 1.2., is 1000.00. For the adjusted return index, the initial level on the START DATE is 1864.83. The adjusted return index level has been fixed at 1000 as of the 24/07/2023. Historical values from the LIVE DATE, as shown in Section 1.2., will be recorded in accordance with Article 8 of the BMR. Levels of the INDEX published for a period prior to the LIVE DATE have been back-tested.

## 1.4. PRICES AND CALCULATION FREQUENCY

The level of the INDICES is calculated on each CALCULATION DAY from 1:00 a.m. to 10:55 p.m. CET based on the TRADING PRICES on the EXCHANGES on which the INDEX COMPONENTS are listed. TRADING PRICES of INDEX COMPONENTS not listed in the INDEX CURRENCY are converted using the current Intercontinental Exchange (ICE) spot foreign exchange rate. Should there be no current TRADING PRICE for an INDEX COMPONENT, the later of: (i) the most recent CLOSING PRICE; or (ii) the last available TRADING PRICE for the preceding TRADING DAY is used in the calculation.

In addition to the intraday calculation a closing level of the INDEX for each CALCULATION DAY is also calculated. This closing level is based on the CLOSING PRICES for the INDEX COMPONENTS on the respective EXCHANGES on which the INDEX COMPONENTS are listed. The CLOSING PRICES of INDEX COMPONENTS not listed in the INDEX CURRENCY are converted using the 04:00 p.m. London time rates provided by WM/ REFINITIV (the "WM/ REFINITIV RATE"). If there is no 04:00 p.m. London time WM/ REFINITIV RATE for the relevant CALCULATION



DAY, the last available 04:00 p.m. London time WM/REFINITIV RATE will be used for the closing level calculation.

## 1.5. LICENSING

Licenses to use the INDICES as the underlying value for financial instruments, investment funds and financial contracts may be issued to stock exchanges, banks, financial services providers and investment houses by SOLACTIVE.

## 2. INDEX SELECTION

On each CALCULATION DAY after CLOSE OF BUSINESS, the INDEX ADMINISTRATOR will revise the composition of the INDICES.

In a first step, the INDEX ADMINISTRATOR determines the INDEX UNIVERSE in accordance with Section 2.1. The INDEX UNIVERSE comprises all those financial instruments which fulfill the INDEX UNIVERSE REQUIREMENTS (as specified in Section 2.1. Then, each new INDEX COMPONENT will be assigned a weight as described in Section 2.2.

### 2.1. INDEX UNIVERSE REQUIREMENTS

#### 2.1.1. SOLACTIVE TRANSATLANTIC ENERGY FOCUS INDEX

The INDEX UNIVERSE is composed of the below underlyings:

Name	Currency	Weight
Solactive United States Energy Focus Index	EUR	50%
Solactive Europe Energy Focus Index	EUR	50%

The determination of the INDEX UNIVERSE is fully rule-based and the INDEX ADMINISTRATOR cannot make any discretionary decisions.

#### 2.1.2. SOLACTIVE TRANSATLANTIC BANKS FOCUS INDEX

The INDEX UNIVERSE is composed of the below underlyings:

Name	Currency	Weight
Solactive United States Banks Focus Index	EUR	50%
Solactive Eurozone Banks Focus Index	EUR	50%

The determination of the INDEX UNIVERSE is fully rule-based and the INDEX ADMINISTRATOR cannot make any discretionary decisions.

### 2.2. WEIGHTING OF THE INDEX COMPONENTS

On each CALCULATION DAY after CLOSE OF BUSINESS each INDEX COMPONENT is reweighted accord to the weights as defined in Section 2.1.



## 3. CALCULATION OF THE INDEX

### 3.1. INDEX FORMULA

The INDICES are calculated as a price return, net total return, gross total return, and adjusted return index.

The calculation is performed according to the Equity Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/equity-index-methodology/>. The divisor index formula stipulates that the level of the INDEX changes based on the change of the prices of its INDEX COMPONENTS taking into account their weight in the INDEX and any currency conversion in case the price of an INDEX COMPONENT is quoted in a currency other than the INDEX CURRENCY.

Any dividends or other distributions are reinvested across the entire basket of INDEX COMPONENTS by means of a divisor at the opening of the effective date (the so-called ex-date) of the payment of such dividend or other distribution.

For the construction of the adjusted return version, a decrement of 50 index points per annum is deducted on each INDEX CALCULATION DAY from the GTR INDEX version.

The adjusted return index is calculated according to the following formula:

$$Index_t = Index_{t-1} * \frac{UI_t}{UI_{t-1}} - SD * \frac{DC_{t,t-1}}{365}$$

Where:

***Index<sub>t</sub>***: The level of the AR INDEX version as of CALCULATION DAY t

***Index<sub>t-1</sub>***: The level of the AR INDEX version as of CALCULATION DAY t-1

***UI<sub>t</sub>***: The level of the UNDERLYING INDEX as of CALCULATION DAY t

***UI<sub>t-1</sub>***: The level of the UNDERLYING INDEX as of CALCULATION DAY t-1

***SD***: The synthetic dividend of 50 index points per annum

***DC<sub>t,t-1</sub>***: The number of calendar days between CALCULATION DAY t (including) and CALCULATION DAY t-1 (excluding)

A more detailed description of the mechanics of the index calculation formula can be found in the Equity Index Methodology under Section 1.2.





## 3.2. ACCURACY

The level of the INDICES will be rounded to two decimal places. Divisors will be rounded to six decimal places. TRADING PRICES and foreign exchange rates will be rounded to six decimal places.

## 3.3. RECALCULATION

SOLACTIVE makes the greatest possible efforts to accurately calculate and maintain its indices. However, errors in the determination process may occur from time to time for variety reasons (internal or external) and therefore, cannot be completely ruled out. SOLACTIVE endeavors to correct all errors that have been identified within a reasonable period of time. The understanding of "a reasonable period of time" as well as the general measures to be taken are generally depending on the underlying and is specified in the Solactive Correction Policy, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/correction-policy/>.

## 3.4. MARKET DISRUPTION

In periods of market stress SOLACTIVE calculates its indices following predefined and exhaustive arrangements as described in the Solactive Disruption Policy, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/disruption-policy/>. Such market stress can arise due to a variety of reasons, but generally results in inaccurate or delayed prices for one or more INDEX COMPONENTS. The determination of the INDEX may be limited or impaired at times of illiquid or fragmented markets and market stress.



## 4. MISCELLANEOUS

### 4.1. DISCRETION

Any discretion which may need to be exercised in relation to the determination of the INDEX (for example the determination of the INDEX UNIVERSE (if applicable), the selection of the INDEX COMPONENTS (if applicable) or any other relevant decisions in relation to the INDEX) shall be made in accordance with strict rules regarding the exercise of discretion or expert judgement.

### 4.2. METHODOLOGY REVIEW

The methodology of the INDEX is subject to regular review, at least annually. In case a need of a change of the methodology has been identified within such review (e.g. if the underlying market or economic reality has changed since the launch of the INDEX, i.e. if the present methodology is based on obsolete assumptions and factors and no longer reflects the reality as accurately, reliably and appropriately as before), such change will be made in accordance with the Solactive Methodology Policy, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/methodology-policy/>.

Such change in the methodology will be announced on the SOLACTIVE website under the Section "Announcement", which is available at <https://www.solactive.com/news/announcements/>. The date of the last amendment of this INDEX is contained in this GUIDELINE.

### 4.3. CHANGES IN CALCULATION METHOD

The application by the INDEX ADMINISTRATOR of the method described in this document is final and binding. The INDEX ADMINISTRATOR shall apply the method described above for the composition and calculation of the INDEX. However, it cannot be excluded that the market environment, supervisory, legal and financial or tax reasons may require changes to be made to this method. The INDEX ADMINISTRATOR may also make changes to the terms and conditions of the INDEX and the method applied to calculate the INDEX that it deems to be necessary and desirable in order to prevent obvious or demonstrable error or to remedy, correct or supplement incorrect terms and conditions. The INDEX ADMINISTRATOR is not obliged to provide information on any such modifications or changes. Despite the modifications and changes, the INDEX ADMINISTRATOR will take the appropriate steps to ensure a calculation method is applied that is consistent with the method described above.



## 4.4. TERMINATION

SOLACTIVE makes the greatest possible efforts to ensure the resilience and continued integrity of its indices over time. Where necessary, SOLACTIVE follows a clearly defined and transparent procedure to adapt Index methodologies to changing underlying markets (see Section 5.2 "Methodology Review") in order to maintain continued reliability and comparability of the indices. Nevertheless, if no other options are available the orderly cessation of the INDEX may be indicated. This is usually the case when the underlying market or economic reality, which an index is set to measure or to reflect, changes substantially and in a way not foreseeable at the time of inception of the index, the index rules, and particularly the selection criteria, can no longer be applied coherently or the index is no longer used as the underlying value for financial instruments, investment funds and financial contracts.

SOLACTIVE has established and maintains clear guidelines on how to identify situations in which the cessation of an index is unavoidable, how stakeholders are to be informed and consulted and the procedures to be followed for a termination or the transition to an alternative index. Details are specified in the Solactive Termination Policy, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/termination-policy/>.

## 4.5. OVERSIGHT

An oversight committee composed of staff from SOLACTIVE and its subsidiaries (the "**OVERSIGHT COMMITTEE**") is responsible for decisions regarding any amendments to the rules of the INDEX. Any such amendment, which may result in an amendment of the GUIDELINE, must be submitted to the OVERSIGHT COMMITTEE for prior approval and will be made in compliance with the Methodology Policy, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/methodology-policy/>.



## 5. DEFINITIONS

“**BENCHMARK REGULATION**” shall have the meaning as defined in Section “Introduction”.

“**BMR**” shall have the meaning as defined in Section “Introduction”.

“**BUSINESS DAY**” is every weekday from Monday to Friday.

“**CALCULATION DAY**” is every BUSINESS DAY. A day on which the New York Stock Exchange, the Nasdaq or the EUREX Exchange are not open for general business is not a CALCULATION DAY.

“**CLOSE OF BUSINESS**” is the calculation time of the closing level of the INDEX as outlined in Section 1.4.

The “**CLOSING PRICE**” in respect of an INDEX COMPONENT and a TRADING DAY is a security's final regular-hours TRADING PRICE published by the EXCHANGE and determined in accordance with the EXCHANGE regulations. If the EXCHANGE has no or has not published a CLOSING PRICE in accordance with the EXCHANGE rules for an INDEX COMPONENT, the last TRADING PRICE will be used.

“**EXCHANGE**” is with respect to the INDEX and every INDEX COMPONENT, the respective exchange where the INDEX COMPONENT has its listing as determined in accordance with the rules in Section 2.

“**GUIDELINE**” shall have the meaning as defined in Section “Introduction”.

“**INDEX**” shall have the meaning as defined in Section “Introduction”.

“**INDEX ADMINISTRATOR**” shall have the meaning as defined in Section “Introduction”.

“**INDEX COMPONENT**” is each security reflected in the INDEX.

“**INDEX COMPONENT REQUIREMENTS**” shall have the meaning as defined in Section 2.2.

“**INDEX CURRENCY**” is the currency specified in the column “Currency” in the table in Section 1.2.

“**INDEX UNIVERSE REQUIREMENTS**” shall have the meaning as defined in Section 2.1.

“**INDEX UNIVERSE**” is the sum of all financial instruments which fulfill the INDEX UNIVERSE REQUIREMENTS.

“**LIVE DATE**” shall have the meaning as defined in Section 1.3.

“**OVERSIGHT COMMITTEE**” shall have the meaning as defined in Section 5.5.

“**SOLACTIVE**” shall have the meaning as defined in Section “Introduction”.

“**START DATE**” shall have the meaning as defined in Section 1.3.

“**TRADING DAY**” is with respect to an INDEX COMPONENT included in the INDEX at the REBALANCE DAY and every INDEX COMPONENT included in the INDEX at the CALCULATION DAY immediately following the REBALANCE DAY (for clarification: this provision is intended to capture the TRADING DAYS for the securities to be included in the INDEX as new INDEX COMPONENTS with close of trading on the relevant EXCHANGE on the REBALANCE DAY) a day on which the relevant EXCHANGE is open for trading (or a day that would have been such a day if a market disruption had not occurred), excluding days on which trading may be ceased prior to the scheduled



EXCHANGE closing time and days on which the EXCHANGE is open for a scheduled shortened period. The INDEX ADMINISTRATOR is ultimately responsible as to whether a certain day is a TRADING DAY.

The "**TRADING PRICE**" in respect of an INDEX COMPONENT and a TRADING DAY is the most recent published price at which the INDEX COMPONENT was traded on the respective EXCHANGE.

"**UNDERLYING INDEX**" is the GTR INDEX as defined in Section 1.2.

"**WM / REFINITIV RATE**" shall have the meaning as defined in Section 1.4.

# 6. HISTORY OF INDEX CHANGES

Version	Date	Description
1.0	29/08/2023	Index Guideline creation ( <i>initial version</i> )

# CONTACT

**Solactive AG**  
**German Index Engineering**

Platz der Einheit 1  
60327 Frankfurt am Main  
Germany

Tel.: +49 (0) 69 719 160 00

Fax: +49 (0) 69 719 160 25

Email: [info@solactive.com](mailto:info@solactive.com)

Website: [www.solactive.com](http://www.solactive.com)

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