

INDEX GUIDELINE

Solactive Euro IG Corporate SD-KPIIndex

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 Euro IG Corporate SD-KPI Index (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

The INDEX is a rules-based, non-market value weighted index designed to mirror the performance of the EUR-denominated corporate bonds. All corporate bonds which are issued in EUR and fulfill the selection criteria as outlined in 2.1 are eligible for the index. The index uses a special tilting mechanism to overweight bonds of issuers with favorable SD-KPI SCORES. The SD-KPI Scores are Sustainable Development Key Performance Indicators calculated by SD-M® GmbH. The weighting mechanism of the index has three sequential steps:

1. All eligible bonds are weighted according to their market capitalization weight.
2. Once all bonds are ranked according to their SD-KPI SCORE, the weight of the bonds is adjusted using a cap factor. Bonds within the 1st quintile (20% best SD-KPI SCORES) will receive a cap factor of 1.5, that is their market capitalization weight will be multiplied by 1.5. Bonds in the second quintile will be adjusted by a factor of 1.25. Bonds in the third quintile will not be adjusted. Bonds in the fourth and fifth quintile will be adjusted by factors of 0.75 and 0.5 respectively.
3. All weights are proportionally rescaled so the final weights sum up to 100%

1.2. IDENTIFIERS AND PUBLICATION

The INDEX is published under the following identifiers:

Name	ISIN	Currency	Type	RIC	BBG ticker
Solactive Euro IG Corporate SD-KPIndex	[<ISIN>]	EUR	TR	[<RIC>]	[<BBG>]

*INDEX TYPE means that the INDEX is calculated as [calculation method] index as described in the Bond Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/bond-index-methodology/>

The INDEX is published on the website of the INDEX ADMINISTRATOR (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 INDEX via its information systems.

Any publication in relation to the INDEX (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

The initial level of the INDEX on the START DATE is 1000. Historical values from the LIVE DATE 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 INDEX is calculated and distributed once every BUSINESS DAY based on LAST EVALUATED BID PRICE prices of the INDEX COMPONENTS. Bonds added in a rebalancing (see Section 3) are included the INDEX at the LAST EVALUATED ASK PRICE on the relevant REBALANCE DAY (as specified in Section 3.3). Bonds which are excluded from the INDEX in a rebalance are reflected in the calculation of the level of the INDEX for the REBALANCE DAY at the LAST EVALUATED BID PRICE on the relevant REBALANCE DAY. INDEX analytical values are calculated each BUSINESS DAY using the LAST EVALUATED BID PRICE based on FIXING TIME. Prices of INDEX COMPONENTS not listed in the INDEX CURRENCY are converted using the 4 PM London Time WM Fixing quoted by Reuters.

1.5. LICENSING

Licenses to use the INDEX 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 AG.

2. INDEX SELECTION

On each SELECTION DAY, all bonds which meet the INDEX COMPONENT REQUIREMENTS are eligible for inclusion in the INDEX and will be added as INDEX COMPONENT on the REBALANCE DAY. Additionally, on each SELECTION DAY, it will be evaluated whether all current INDEX COMPONENTS still meet the INDEX COMPONENT REQUIREMENTS. Each INDEX COMPONENT that does not meet the INDEX COMPONENT REQUIREMENTS will be removed from the INDEX on the next REBALANCE DAY.

2.1. SELECTION OF THE INDEX COMPONENTS

The initial composition of each INDEX, as well as any selection for a rebalance (as specified in Section 3) is determined using the following rules:

- a. Bonds should be denominated in Euro.
- b. Minimum amount outstanding of 500 million EUR is required.
- c. Time to maturity of at least 18 months for new issues entering the index. The minimum time to maturity for bonds in the index is 12 months.



- d. Bonds that switch from fixed to floating rate coupons qualify provided they are callable within the fixed rate period and have at least one year prior to the date the bond transitions from a fixed to a floating rate coupon structure.
- e. Fixed rated bonds are eligible for inclusion. For the avoidance of doubt only bonds that have a fix constant coupon over the lifetime of the bond are eligible while bonds that have a fixed coupon schedule with different coupon values are excluded (e.g. step up bonds).
- f. A minimum rating of BBB- by Standard & Poor's or Baa3 by Moody's Investors Service is required. For the avoidance of doubt if one of the rating agencies rates the bond as Investment Grade it is eligible for inclusion in the index.
- g. Fixed Coupon Bonds, Zero Coupon Bonds, Payment-In-Kind Bonds and Step-Up Coupon Bonds are eligible for inclusion in the index.
- h. Bearer Bonds are eligible for inclusion in the index.
- i. Sinking Fund Bonds, Floating Rate Bonds, Convertible Bonds, Inflation-linked Bonds, Contingent Capital Securities, Covered Bonds, Preferred Securities, Securitized or Collateralized Bonds or Collateralized Debt Obligations (CDOs) are not eligible for inclusion in the index.
- j. Callable perpetual securities qualify for inclusion in the index provided they are at least one year from the next call date.
- k. Bonds sold by supranational entities are not eligible for inclusion.
- l. Bonds sold by entities that are 100%-owned by national governments or their departments, or that are guaranteed by them are excluded from the index. Bonds sold by entities which carry out government-sponsored roles, particularly in the public sphere, are also excluded.
- m. Private placements are not eligible for inclusion in the index.
- n. Only one bond per tranche with exactly the same parameters (coupon, maturity, etc) will be selected for inclusion in the index. If several tranches (with the same parameters) are available bonds that are issued domestically, and under Euro MTN program are preferred.

(the "INDEX COMPONENT REQUIREMENTS")]

The determination of the INDEX COMPONENTS is fully rule-based and the INDEX ADMINISTRATOR has no discretion.

2.2. WEIGHTING OF THE INDEX COMPONENTS

On each SELECTION DAY each INDEX COMPONENT is weighted using the market value based on the LAST EVALUATED BID PRICE and accrued interest as on the SELECTION DAY in order to calculate the base weight of each INDEX COMPONENT. The final weighting of the INDEX COMPONENTS will be as follows:



All INDEX COMPONENTS are ranked according to their SD-KPI SCORE between 0% to 100% provided by SD-M® GMBH in collaboration with Sustainalytics. SD-KPI SCORES are Sustainable Development Key Performance Indicators, which are three industry sector specific and material environmental, social and governance (ESG) indicators for the expected business performance according to the SD-KPI Standards. The scored bonds are then divided into quintiles based on the SD-KPI SCORES, with the best bonds being placed in the 1st quintile (SD-KPI SCORE between 80% and 100%). The market capitalization weights of the single bonds are then adjusted based in which quintile they are placed. All bonds in the 1st quintile receive a cap factor of 1.5, that is their market capitalization weight is multiplied by 1.5. Bonds in the 2nd quintile receive a cap factor of 1.25, bonds in the 3rd quintile receive a cap factor of 1, bonds in the 4th quintile receive a cap factor of 0.75 and bonds in the 5th quintile receive a cap factor 0.5. The SD-KPI SCORES are delivered from SD-M® GMBH on a monthly basis. If for a specific bond no score is available this bond will be placed in the 3rd quintile. After all adjustments are made, bond weights are proportionally rescaled, so the sum of all weights will sum up to 100%.

3. REBALANCE

3.1. ORDINARY REBALANCE

In order to reflect the new selection of the INDEX COMPONENTS determined on the SELECTION DAY (in accordance with Section 2.1) the INDEX is adjusted on the REBALANCE DAY after CLOSE OF BUSINESS.

For more information on the rebalance procedure please refer to the Bond Index Methodology, which is incorporated by reference and available on the SOLACTIVE website: <https://www.solactive.com/documents/bond-index-methodology/>.

SOLACTIVE will publish any changes made to the INDEX COMPONENTS with sufficient notice before the REBALANCE DAY on the SOLACTIVE webpage under the section "[Announcement](#)", which is available at <https://www.solactive.com/news/announcements/>.

3.2. EXTRAORDINARY REBALANCE

The INDEX is not rebalanced extraordinarily.



4. CALCULATION OF THE INDEX

4.1. INDEX FORMULA

The INDEX is calculated as a Total Return index.

The calculation is performed according to the Bond Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/bond-index-methodology/>.

A total return index seeks to replicate the overall return from holding an index portfolio, thus considering both coupon payments and Corporate Action proceeds in addition to the price changes adjusted for any accrued interest. Coupon and other cash payments will be reinvested on the periodic reinvestment basis.

The periodic reinvestment formula implies a periodic reinvestment in the INDEX of proceeds resulting from corporate actions and coupon payments in respect of the INDEX COMPONENTS on the next regular REBALANCE DAY following such events. For the period until reinvestment the proceeds are held in a cash component. On the REBALANCE DAY the proceeds are reinvested in the INDEX proportionately to the weights of the INDEX COMPONENTS. The periodic reinvestment formula tracks the performance of the INDEX COMPONENTS relative to their market value on the immediately preceding REBALANCE DAY. The market value for an individual INDEX COMPONENT on a REBALANCE DAY is based on the price for the respective bond and its face value on the SELECTION DAY associated with the REBALANCE DAY.

A more detailed description of the mechanics of the periodic reinvestment formula can be found in the Bond index Methodology under Section: 1.2.2, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/bond-index-methodology/>.

4.2. ACCURACY

The level of the INDEX will be rounded to 2 decimal places. The accrued interest per bond instrument will be used according to market standard. Foreign exchange rates will be rounded to six decimal places.

4.3. ADJUSTMENTS

Under certain circumstances, an adjustment of the INDEX may be necessary between two regular REBALANCE DAYS. Basically, such adjustment is need to be made if a corporate action (as specified in Section 4.4 below) in relation to an INDEX COMPONENT occurs. Such adjustment may need to be done in relation to an INDEX COMPONENT and/or may also affect the number of INDEX COMPONENTS and/or the weighting of certain INDEX COMPONENTS and will be made in compliance with the Bond Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/bond-index-methodology/>.



SOLACTIVE will announce the INDEX adjustment giving a notice period of at least two BUSINESS DAYS (with respect to the affected INDEX COMPONENT) on the SOLACTIVE website under the Section “Announcements”, which is available at <https://www.Solactive.com/news/announcements/>. The INDEX adjustments will be implemented on the effective day specified in the respective notice.

4.4. CORPORATE ACTIONS

As part of the INDEX maintenance SOLACTIVE will consider various events – also referred to as corporate actions – which result in an adjustment to the INDEX between two regular REBALANCE DAYS. Such events have a material impact on the price, weighting or overall integrity of INDEX COMPONENTS. Therefore, they need to be accounted for in the calculation of the INDEX. Corporate actions will be implemented from the cum-day to the ex-day of the corporate action, so that the adjustment to the INDEX coincides with the occurrence of the price effect of the respective corporate action.

Adjustments to the INDEX to account for corporate actions will be made in compliance with the Bond Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/bond-index-methodology/>. This document contains for each corporate action a brief definition and specifies the relevant adjustment to the INDEX variables.

While SOLACTIVE aims at creating and maintaining its methodology for treatment of corporate actions as generic and transparent as possible and in line with regulatory requirements, it retains the right in accordance with the Bond Index Methodology to deviate from these standard procedures in case of any unusual or complex corporate action or if such a deviation is made to preserve the comparability and representativeness of the INDEX over time.

Solactive considers following, but not conclusive, list of corporate actions as relevant for INDEX maintenance:

- > Early Redemption (an event that leads to a redemption of a bond before the regular maturity date)
- > Flat Trading (e.g. a bond ISSUER fails to meet its coupon payment obligation)
- > Bond Default (e.g. when the ISSUER fails to meet its coupon payment obligation or repay the principal at maturity)
- > Tender Offers (a holder of a bond is invited to tender the bond for a specific price at a specific time before the regular maturity date)
- > Exchange Offers (type of a tender offer where the ISSUER offers its bondholders to exchange their existing bonds for an asset other than cash)
- > Distressed Debt Exchange (form of debt exchange when bondholders agree to reduce the principal amount of debt securities in order to obtain higher payment priority in the form of secured debt)
- > Bond Funge (bond issue that is attached to an existing one (parent bond). On a defined date the parent bond absorbs the funged bond)



- > Payment-in-Kind Bonds (a situation where a bond pay interest in additional bonds rather than in cash)
- > Conversion of CoCo Bonds
- > Debt Issuance
- > Bond Maturity

4.5. 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/>.

4.6. 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.

5. MISCELLANEOUS

5.1. DISCRETION

Any discretion which may need to be exercised in relation to the determination of the INDEX (for example the determination of the INDEX COMPONENTS 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 established by the INDEX ADMINISTRATOR.

5.2. 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 Methodology Policy, which is incorporated by reference available on the SOLACTIVE website: <https://www.solactive.com/documents/methodology-policy/>.

Such change in the methodology will be announced on the SOLACTIVE webpage 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.

5.3. 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, 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.

5.4. 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 the 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 the 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/>.



5.5. 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/>.



6. DEFINITIONS

"BENCHMARK REGULATION" shall have the meaning as defined in Section "Introduction".

"BMR" shall have the meaning as defined in Section "Introduction".

"BEARER BONDS" are unregistered debt securities. This means they are not registered to a holder and do not identify a holder on the face of the bonds or in the records of the ISSUER or its agents. Coupon payments and redemption proceeds are due to whomever is considered to be the owner of the bonds in accordance with applicable laws.

"BUSINESS DAY" with respect to the INDEX each day Monday to Friday except common European banking holidays. Common European banking holidays are Good Friday, Easter Monday, Christmas Day, Boxing Day and New Year's Day.

"CLOSE OF BUSINESS" is a time stamp when an INDEX is calculated. This occurs at 22:30 CET every BUSINESS DAY.

"COVERED BONDS" are bonds backed by a ring-fenced pool of assets such as mortgages or public-sector loans. The ISSUER retains the responsibility to maintain the quality of the underlying asset pool.

"FIXED COUPON BONDS" are bonds with a coupon rate that is fixed throughout their life, as opposed to bonds with floating, or variable coupons.

"FIXING TIME" is the time when the prices for the INDEX COMPONENTS are fixed for index calculation. This is specified in the Bond Index Methodology, which is available on the SOLACTIVE website: <https://www.solactive.com/documents/bond-index-methodology/>.

"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 CALCULATOR" is SOLACTIVE or any other appropriately appointed successor in this function.

"INDEX COMPONENT" is each bond reflected in the INDEX.

"INDEX COMPONENT REQUIREMENTS" shall have the meaning as defined in Section 2.1.

"INDEX CURRENCY" is the currency specified in the column "Currency" in the table in Section 1.2.

"INFLATION-LINKED BONDS" are bonds whose principal and coupon payments are indexed to inflation.

"INVESTMENT GRADE" are all ratings of at least BBB- by Standard & Poor's and Fitch or Baa3 by Moody's Investors Service or BBB by DBRS.

"ISSUER" is the issuing entity of the respective bond.

"LAST EVALUATED ASK PRICE" the last available evaluated ask price by the designated PRICING PROVIDER.

"LAST EVALUATED BID PRICE" the last available evaluated bid price by the designated PRICING PROVIDER.



"LIVE DATE" is [LIVE DATE].

"OVERSIGHT COMMITTEE" shall have the meaning as defined in Section 5.5.

"PRICING PROVIDER" is the ICE.

"REBALANCE DAY" the last BUSINESS DAY of the month

"SD-KPI Score": Sustainable Development Key Performance Indicators (SD-KPIs) are three material environmental, social and governance (ESG) indicators for the expected business performance of different sectors according to SD-KPI Standards. They were developed by SD-M[®] GmbH in cooperation with accountants and global investors and analysts. The SD-KPI Standard 2016-2021 was launched with support of the German Environment Ministry and the Sustainability Accounting Standards Board (SASB). For each index components SD-KPI 1, SD-KPI 2 and SD-KPI 3 is evaluated between 0% and 100% in the SD-KPI Inform database, a collaboration between Sustainalytics and SD-M. The accumulated SD-KPI scores between 0% and 100% are provided by SD-M[®] GmbH.

"SELECTION DAY" is 3 BUSINESS DAYS before the scheduled REBALANCE DAY, disregarding any potential change of the REBALANCE DAY

"SOLACTIVE" shall have the meaning as defined in Section "Introduction".

"START DATE" is [START DATE]

"STEP-UP COUPON BONDS" are bonds whose coupons increase while the bond is outstanding. The coupon amounts are determined at issuance.

"ZERO COUPON BONDS" means bonds which do not pay interest but are issued at a discount.

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