

INDEX GUIDELINE

SOLACTIVE OFI METALS ERC INDEX

Version 1.1

19 December 2024



TABLE OF CONTENT

Introduction	4
1. Index Specifications	5
1.1. Scope of the Index	5
1.2. Identifiers and Publication	5
1.3. Initial Level of the Index.....	5
1.4. Prices and calculation frequency	6
1.5. Licensing.....	6
2. Index selection	7
2.1. Index Universe Requirements.....	7
2.2. Selection of the Index Components	8
3. TARGET Weight Determination.....	9
3.1. TARGET Weighting of the Index Components	9
4. Calculation of the Index	11
4.1. Index formula	11
4.2. USD Index formula	11
4.3. Units formula	12
4.4. Rebalancing Weight formula.....	12
4.5. Determination of hypothetical basket Returns	13
4.6. Determination of Daily tracking weights.....	14
4.7. Calculation of Future Tracker Index	14
4.8. Lead and Next Future Determination	16
4.9. Accuracy	16
4.10. Recalculation.....	16
4.11. Market Disruption	17
4.12. Market Disruption during the rebalancing period	17
5. Miscellaneous	18
5.1. Discretion	18
5.2. Methodology Review.....	18
5.3. Changes in calculation method.....	18
5.4. Termination	19
5.5. Index Committee	19
6. Definitions.....	20



7. Appendix 22

 7.1. Index Components..... 22

8. History of Index Changes 22

Contact.....23



INTRODUCTION

This document (the "GUIDELINE") is to be used as a guideline with regard to the composition, calculation and maintenance of the Solactive OFI Metals ERC Index (the "INDEX"). Any amendments to the rules made to the GUIDELINE are approved by the INDEX COMMITTEE specified in Section 5.5. The INDEX is 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.

CME GROUP MARKET DATA IS USED UNDER LICENSE AS A SOURCE OF INFORMATION FOR CERTAIN [LICENSEE/LICENSEE GROUP] PRODUCTS. CME GROUP HAS NO OTHER CONNECTION TO [LICENSEE/LICENSEE GROUP] PRODUCTS AND SERVICES AND DOES NOT SPONSOR, ENDORSE, RECOMMEND OR PROMOTE ANY [LICENSEE/LICENSEE GROUP] PRODUCTS OR SERVICES. CME GROUP HAS NO OBLIGATION OR LIABILITY IN CONNECTION WITH THE [LICENSEE/LICENSEE GROUP] PRODUCTS AND SERVICES. CME GROUP DOES NOT GUARANTEE THE ACCURACY AND/OR THE COMPLETENESS OF ANY MARKET DATA LICENSED TO [LICENSEE/LICENSEE GROUP] AND SHALL NOT HAVE ANY LIABILITY FOR ANY ERRORS, OMISSIONS, OR INTERRUPTIONS THEREIN. THERE ARE NO THIRD-PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN CME GROUP AND [LICENSEE/LICENSEE GROUP].



1. INDEX SPECIFICATIONS

1.1. SCOPE OF THE INDEX

Category	Description
Asset Class	Commodity Futures
Strategy	The INDEX is aimed at replicating the performance of a metals basket necessary to the energy transition to a low carbon economy or a precious metal. The exposure to metals is represented by their respective Future Contracts.
Rebalancing Frequency	Semi-annually

1.2. IDENTIFIERS AND PUBLICATION

The INDEX is published under the following identifiers:

Name	ISIN	Currency	Type	RIC	BBG ticker
Solactive OFI Metals ERC Index	DE000SLOMM12	EUR	Excess Return	.SOOFMERC	SOOFMERC Index

*ER means that the Index is calculated as excess return.

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 04/04/2013, the START DATE, is 100. Historical values from the YY/YY/YYYY, 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 level of the INDEX is calculated once for each CALCULATION DAY based on the SETTLEMENT PRICES on the EXCHANGES on which the INDEX COMPONENTS are listed.

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.



2. INDEX SELECTION

On each SELECTION DAY, the SELECTION PARTY will revise the composition of the INDEX.

In a first step, the SELECTION PARTY 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.) and will constitute a starting pool from which the components of the Index will be selected. Based on this INDEX UNIVERSE, the new composition of the INDEX will be determined by applying the rules outlined in Section 2, 3 and 4.

Each new INDEX COMPONENT will be assigned a weight as described in Section 2, 3 and 4.

2.1. INDEX UNIVERSE REQUIREMENTS

The INDEX UNIVERSE is comprised of financial instruments which fulfill the below requirements (the "INDEX UNIVERSE REQUIREMENTS"):

To be eligible for potential Index inclusion, each final instrument must have:

- 1) A primary listing in one of the countries that are part of the Developed or Emerging Markets as defined by the Solactive Country Classification Framework (see <https://www.solactive.com/documents/>)
- 2) Commodity must be considered by the SELECTION PARTY as necessary to the energy transition to a low carbon economy or a precious metal. Energy transition commodities will be considered as such if they are part of one or more of the technologies defined as contributing to the energy transition in the European "Taxonomy" described in the text EU 2020/852¹ ("TAXONOMY REGULATION").

The INDEX ADMINISTRATOR has outsourced the determination of the INDEX UNIVERSE to the SELECTION PARTY. Such outsourcing has been made in accordance with the requirements of the BMR (Article 10 BMR).

Any discretionary decision of the SELECTION PARTY will be made in accordance with the specifications regarding the exercise of discretion or expert judgement established by the INDEX ADMINISTRATOR.

¹ Regulation (EU) 2020/852 of the European Parliament and of the Council of 18 June 2020 on the establishment of a framework to facilitate sustainable investment, and amending Regulation (EU) 2019/2088



2.2. SELECTION OF THE INDEX COMPONENTS

Based on the INDEX UNIVERSE, the initial composition of the INDEX as well as any selection for an ordinary rebalance is determined on the SELECTION DAY in accordance with the following rules (the "INDEX COMPONENT REQUIREMENTS"):

The INDEX COMPONENTS will be annually reviewed by a SCIENTIFIC COMMITTEE² of the SELECTION PARTY. The SCIENTIFIC COMMITTEE will be set once a year in November. It will be composed at minimum of one member of the management team, one member of the SRI team (<https://www.ofi-invest-am.com/en/sustainable-finance>), one member of the risk management team of the SELECTION PARTY. The SCIENTIFIC COMMITTEE will also have the possibility to invite external experts at its convenience.

The SCIENTIFIC COMMITTEE will review the available low carbon technologies as defined by the TAXONOMY REGULATION, considering the one newly included and the one excluded, and list the metals that are needed to develop these technologies together with precious metals. All these metals will be eligible as INDEX COMPONENTS (the "Proposed Metals List"). The SCIENTIFIC COMMITTEE will also present supply and demand fundamentals for each of the INDEX COMPONENTS. Based on these data, the SCIENTIFIC COMMITTEE will propose which metals should be included in the Proposed Metals List.

For inclusion of new metals as index constituents, the following process will be followed by the Index Administrator:

After consultation or notification of subscribers (and other stakeholders/interested third parties where appropriate, taking into account the breadth and depth of the Index's use) about the Proposed Metals List, the Index Administrator will publish the final updated composition of the index, including the new metals constituents, (the "Final Metals List").

The SCIENTIFIC COMMITTEE will publish a publicly accessible report on the SELECTION PARTY website (direct link), giving all the information that led the committee to make its decision.

The INDEX ADMINISTRATOR has outsourced the selection of INDEX COMPONENTS to the SELECTION PARTY. Such outsourcing has been made in accordance with the requirements of the BMR (Article 10 BMR). Any discretionary decision of the SELECTION PARTY will be made in accordance with the specifications regarding the exercise of discretion or expert judgement established by the INDEX ADMINISTRATOR.

² The members of the SCIENTIFIC COMMITTEE are disclosed by the SELECTION PARTY on the website. Link: <https://go.ofi-invest-am.com/informations-complementaires-produits-structures-metaux>



3. TARGET WEIGHT DETERMINATION

On each SELECTION DAY S , the composition of the INDEX will be revised and new target weights for each INDEX COMPONENT are calculated.

3.1. TARGET WEIGHTING OF THE INDEX COMPONENTS

The target weights for each INDEX COMPONENT are calculated using an Equal Risk Contribution approach, which aims to equate the risk contribution of each INDEX COMPONENT in the portfolio.

We define the risk of a portfolio as of Selection Date S as:

$$\sigma_S(TW_S) = \sqrt{TW_S^T * \Sigma_S * TW_S}$$

Where TW_S is the vector of portfolio weights, and Σ_S as defined as the variance covariance matrix on Selection Date S per below:

Let

$$r_{i,t} = \frac{FTL_{i,t}}{FTL_{i,t-1}} - 1$$

denote the return of each FUTURE TRACKER INDEX referencing INDEX COMPONENT i as of CALCULATION DAY t .

A generic element (i, j) of the variance covariance matrix as determined on SELECTION DAY S , Σ_S , is calculated as (using a look back period of $n=252$ CALCULATION DAYS):

$$\sum_{k=0}^{n-1} (r_{i,S-k} - \overline{r_{S,i}}) * (r_{j,S-k} - \overline{r_{S,j}})$$

Where $r_{i,S-k}$ is the return of the FUTURES TRACKER INDEX of INDEX COMPONENT i as of CALCULATION DAY $S-k$

$r_{j,S-k}$ is the return of the FUTURES TRACKER LEVEL of INDEX COMPONENT j as of CALCULATION DAY $S-k$.

n is the look back period of 252 CALCULATION DAYS.

$\overline{r_{S,i}}$ is the average return of the FUTURES TRACKER INDEX of INDEX COMPONENT i as of Calculated Day S over the relevant period, and is defined as follows (and analogously for $\overline{r_j}$):



$$\overline{r_{S,t}} = \frac{1}{n} * \sum_{k=0}^{n-1} r_{i,S-k}$$

The total risk contribution of asset i to a portfolio with weights w is calculated as:

$$\sigma_{i,TW_S} = \frac{TW_i(\Sigma_S * TW)_i}{\sqrt{TW^T * \Sigma_S * TW}}$$

Where $(\Sigma_S * TW)_i$ denotes the i -th row of the vector which results from multiplying Σ_S and TW_S .

The vector of target weights TW_S , which includes the weights $TW_{S,i}$ for each Component is determined so that the objective function $f(TW_S)$ is (where n_asset is equal to the number of distinct assets in the index)

$$f(TW_S) = \sum_{i=1}^{n_asset} \sum_{j=1}^{n_asset} (TW_{S,i}(\Sigma_S * TW)_i - TW_{S,j}(\Sigma_S * TW)_j)^2$$

The function $f(TW_S)$ is minimized with respect to TW_S to ensure equal risk contribution of each asset class. The following constraints have to be fulfilled:

$$\sum_{i=1}^{n_asset} TW_{S,i} = 1$$

$$TW_{min} \leq TW_{S,i} \leq TW_{max} \text{ for all } i$$

Where:

TW_{min} : The minimal allocation to each INDEX COMPONENT, 5%

TW_{max} : The maximal allocation to each INDEX COMPONENT, 25%

If the SELECTION PARTY changes the index composition (See Section 7.1.), the optimization is based on the new composition. That means that each for new INDEX COMPONENT, a sufficient long history has to be calculated (according to Section 4.6.)



4. CALCULATION OF THE INDEX

4.1. INDEX FORMULA

The INDEX is calculated as an excess return Index.

The Index level I_t on each CALCULATION DAY t is calculated in accordance with the following formula:

If t is the START DATE:

$$I_t = 100$$

Else:

$$I_t = I_{t-1} * \left(1 + \frac{EURUSD_{t-1}}{EURUSD_t} * \left(\frac{I_{USD,t}}{I_{USD,t-1}} - 1 \right) - rebates * DCF_{t,t-1} \right)$$

Where:

I_{t-1}	The Index level on the CALCULATION DAY immediately preceding t .
$EURUSD_t$	The EUR/USD fx spot fixing published by WM/Refinitiv at 4pm London time.
$I_{USD,t}$	The USD Index level on CALCULATION DAY t .
$rebates$	The rebates 0.65%
$DCF_{t,t-1}$	The number of calendar days between CALCULATION DAY and the CALCULATION DAY immediately preceding t , divided by 360

4.2. USD INDEX FORMULA

The USD Index level $I_{USD,t}$ on CALCULATION DAY t is calculated in accordance with the following formula:

If t is the START DATE:

$$I_{USD,t} = 100$$

Else:

$$I_{USD,t} = I_{USD,t-1} + \sum_{i=1}^{n_{asset}} [units_{i,t-1} * (FTL_{i,t} - FTL_{i,t-1})]$$

Where:

$units_{i,t-1}$	UNITS on CALCULATION DAY $t-1$ of the FUTURE TRACKER LEVEL of INDEX COMPONENT i .
$FTL_{i,t}$	FUTURES TRACKER INDEX on CALCULATION DAY t of INDEX COMPONENT i .



$FTL_{i,t-1}$ FUTURES TRACKER INDEX on CALCULATION DAY t-1 of INDEX COMPONENT i.

$I_{USD,t-1}$ The USD Index level as of CALCULATION DAY t-1

4.3. UNITS FORMULA

The UNITS on CALCULATION DAY t for an INDEX COMPONENT i is calculated in accordance with the following formula:

If CALCULATION DAY t falls within the REBALANCING PERIOD:

$$units_{i,t} = W_{i,t} * \frac{I_{USD,t-1}}{FTL_{i,t-1}}$$

Where:

$FTL_{i,t}$ FUTURES TRACKER INDEX on CALCULATION DAY t of INDEX COMPONENT i.

$I_{USD,t}$ The USD Index level as of CALCULATION DAY t

$W_{i,t}$ The weight of INDEX COMPONENT i as of CALCULATION DAY T

Otherwise, if CALCULATION DAY t does not fall within the REBALANCING PERIOD:

$$units_{i,t} = units_{i,t-1}$$

4.4. REBALANCING WEIGHT FORMULA

On each CALCULATION DAY R^j within the REBALANCING PERIOD for an INDEX COMPONENT i, one fifth of the difference between the weight of INDEX COMPONENT i and the DAILY TRACKING WEIGHT is rebalanced:

$$W_{i,R^j} = DTW_{i,R^{j-1}} + \frac{j}{5} (W_{i,Target} - DTW_{i,R^{j-1}}) \text{ for } j = 1, \dots, 5$$

Where:



$W_{i,Target}$ corresponds to the target weight of INDEX COMPONENT i as determined per Section 2.1 as of the selection day before the REBALANCING PERIOD (see 6.Definitions)

DTW_{i,R^j-1} The DAILY TRACKING WEIGHT of INDEX COMPONENT i on the CALCULATION DAY which falls one CALCULATION DAY prior to REBALANCING DAY R^j

For the first rebalancing period, the weight will be balanced in 1D based on the ERC weights as of the selection day S (see 6.Definitions).

Therefore, on the last CALCULATION DAY within the REBALANCING PERIOD, each INDEX COMPONENT will be assigned its weight as determined per Section 2.1.

4.5. DETERMINATION OF HYPOTENTIAL BASKET RETURNS

In case the SCIENTIFIC COMMITTEE decides to add or remove INDEX COMPONENTS from the investment universe, the notion of a hypothetical basket becomes relevant for the calculation of any overlay indices using the INDEX as input.

The hypothetical basket returns are calculated according to the following formula:

$$HBR_t = \sum_{i=1}^{n_{asset}} TW_{i,S} * \left(\frac{FLT_{i,t}}{FLT_{i,t-1}} - 1 \right)$$

Where:

$TW_{i,S}$; The target weights as calculated on the SELECTION DATE immediately prior (and including) CALCULATION DAY t

The n -day volatility (with n being the lookback period used to calculate such volatility) of the hypothetical basket returns are calculated according to the following formula:

$$Volnd_t = \sqrt{\frac{252}{n-1} * \sum_{i=0}^{n-1} (HBR_{t-i} - \mu n_t)^2}$$

With

$$\mu n_t = \frac{1}{n} \sum_{k=0}^{n-1} HBR_{t-k}$$



4.6. DETERMINATION OF DAILY TRACKING WEIGHTS

On each CALCULATION DAY t , the DAILY TRACKING WEIGHT of each INDEX COMPONENT is calculated according to the following formula:

$$DTW_{i,t} = \frac{units_{i,t-1} \times FTL_{i,t}}{I_{USD,t}}$$

4.7. CALCULATION OF FUTURE TRACKER INDEX

The FUTURES TRACKER INDEX on CALCULATION DAY t for an INDEX COMPONENT i is calculated in accordance with the following formula:

$$FTL_{i,t} = future_units_{i,t-1}^{lead} * SP1_{i,t} + future_units_{i,t-1}^{next} * SP2_{i,t}$$

Where:

$$future_units_{i,t}^{lead} = CRW1_{i,t} * \frac{FTL_{i,t}}{SP1_{i,t}}$$

$$future_units_{i,t}^{next} = CRW2_{i,t} * \frac{FTL_{i,t}}{SP2_{i,t}}$$

Where:

$CRW1_{i,t}$	The CONTRACT ROLL WEIGHT on CALCULATION DAY t for INDEX COMPONENT i
$SP1_{i,t}$	The settlement price of the LEAD FUTURE on CALCULATION DAY t for INDEX COMPONENT i
$SP2_{i,t}$	The settlement price of the NEXT FUTURE of on CALCULATION DAY t for INDEX COMPONENT i

The CONTRACT ROLL WEIGHT on CALCULATION DAY t for an INDEX COMPONENT i is calculated in accordance with the following formula:

If $t < RS(M_t)$:



$$CRW1_{i,t} = 1$$

$$CRW2_{i,t} = 0$$

If $RS(M_t) \leq t \leq RE(M_t)$:

$$CRW1_{i,t} = \max \left[0, 1 - \frac{BD(RS(M_t), t)}{RD} \right]$$

$$CRW2_{i,t} = 1 - CRW1_{i,t}$$

If $t > RE(M_t)$:

$$CRW1_{i,t} = 0$$

$$CRW2_{i,t} = 1$$

Where:

$RS(M_t)$ ROLL START DATE of the same month as of CALCULATION DAY t

$RE(M_t)$ ROLL END DATE of the same month as of CALCULATION DAY t

$BD(t_1, t_2)$ Number of CALCULATION DAYS between t_1 (inclusive) and t_2 (inclusive)

RD Total number of roll days, i.e. 10^3

In case of a market disruption, the roll would pause until the first CALCULATION DAY after the market disruption and will resume from there on with equal increments.

³ The number of roll days has been 5 prior to 30 September 2022.



4.8. LEAD AND NEXT FUTURE DETERMINATION

For each INDEX COMPONENT *i* the LEAD FUTURE and NEXT FUTURE are determined on a monthly basis. The following table shows the LEAD FUTURE for each INDEX COMPONENT *I* for each month of the year. The NEXT FUTURE for a month is the contract given in the table below for the upcoming month.

Month/Index Component <i>i</i>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Mar	Mar	May	May	Jul	Jul	Sep	Sep	Dec	Dec	Dec	Mar+
2	Mar	Mar	May	May	Jul	Jul	Sep	Sep	Nov	Nov	Jan+	Jan+
3	Mar	Mar	May	May	Jul	Jul	Sep	Sep	Nov	Nov	Jan+	Jan+
4	Mar	Mar	May	May	Jul	Jul	Sep	Sep	Nov	Nov	Jan+	Jan+
5	Mar	Mar	May	May	Jul	Jul	Sep	Sep	Dec	Dec	Dec	Mar+
6	Apr	Apr	Apr	Jul	Jul	Jul	Oct	Oct	Oct	Jan+	Jan+	Jan+
7	Mar	Mar	Jun	Jun	Jun	Sep	Sep	Sep	Dec	Dec	Dec	Mar+
8	Feb	Apr	Apr	Jun	Jun	Aug	Aug	Dec	Dec	Dec	Dec	Feb+
9	Mar	Mar	May	May	Jul	Jul	Sep	Sep	Nov	Nov	Jan+	Jan+

A "+" next to the contract month means it is the contract month of the following year.

4.9. ACCURACY

The level of the INDEX will be rounded to eight decimal places for calculation purposes and to four decimal places for publication purposes.

4.10. 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/>.

4.11. MARKET DISRUPTION

A MARKET DISRUPTION EVENT is deemed to have occurred on a CALCULATION DAY t related to an index Component i if:

- No settlement price is published by the respective exchange for such CALCULATION DAY t for the relevant futures contract(s), or
- a limit event has been imposed by the respective exchange by reason of movements exceeding limit up or limit down levels permitted by such respective exchange for such CALCULATION DAY t .

4.12. MARKET DISRUPTION DURING THE REBALANCING PERIOD

If a MARKET DISRUPTION EVENT is deemed to have occurred during the REBALANCING PERIOD, the Index will rebalance all INDEX COMPONENTS for which no MARKET DISRUPTION EVENT is deemed to have occurred and delay the rebalance for any INDEX COMPONENTS for which a MARKET DISRUPTION EVENT is deemed to have occurred until the first day after the INDEX COMPONENTS DISRUPTION PERIOD.

The units for each INDEX COMPONENTS will use the non-tradeable level of the Index and will not be recalculated.

On each CALCULATION DAY where a MARKET DISRUPTION EVENT is deemed to have occurred, a non-tradeable level of the INDEX will be published.

On the first CALCULATION DAY after the DISRUPTION PERIOD (i.e. the first CALCULATION DAY where no MARKET DISRUPTION EVENT is deemed to have occurred), an Adjusted USD Index Level (with USD Index Level as defined in Section 3.2) and consequently an Adjust Index Level (with Index Level as defined in Section 3.1) will be calculated for each CALCULATION DAY within the DISRUPTION PERIOD.

This Adjusted USD Index Level will be using the level of $Index_i$ (as defined in Section 3.3, with i being the disrupted INDEX COMPONENT) as of the first CALCULATION DAY after the DISRUPTION PERIOD.



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 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.

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 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](https://www.solactive.com/news/announcements/)", 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 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.

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 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/>.

5.5. INDEX COMMITTEE

An index committee composed of staff from SOLACTIVE and its subsidiaries (the “INDEX 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 INDEX 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".

"CALCULATION DAY" is every weekday where the EXCHANGES are scheduled to be open for trading of all INDEX COMPONENTS.

The "CONTRACT ROLL WEIGHT" shall have the meaning as defined in Section 3.6.

"DISRUPTION PERIOD" is the period of consecutive CALCULATION DAYS where a MARKET DISRUPTION EVENT is deemed to have occurred.

The "EXCHANGES" are the Chicago Mercantile Exchange and the London Metal Exchange.

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

"INDEX COMPONENT" is any of the futures defined in Section 7.1

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

"INDEX ADMINISTRATOR" shall have the meaning as defined in Section "Introduction".

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

The "LEAD FUTURE" shall have the meaning as defined in Section 3.7.

"LIVE DATE" shall have the meaning as defined in Section 1.3.

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

The "NEXT FUTURE" shall have the meaning as defined in Section 3.7.

"MARKET DISRUPTION EVENT" shall have the meaning as defined in Section 4.11

A "REBALANCE PERIOD" is the period of 5 CALCULATION DAYS starting 3 three CALCULATION DAYS after the SELECTION DAY

A "ROLL START DATE" is the fifth CALCULATION DAY of any month.

A "ROLL END DATE" is the fourteenth CALCULATION DAY of any month.

"SCIENTIFIC COMMITTEE" shall have the meaning as defined in Section 2.2.

"SELECTION DAY" is the last CALCULATION DAY of March and September.

"SELECTION PARTY" is OFI INVEST ASSET MANAGEMENT.

The "SETTLEMENT PRICE" in respect of an INDEX COMPONENT is the official settlement price published by the EXCHANGES.

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

"START DATE" shall have the meaning as defined in Section 1.3.



"TAXONOMY REGULATION" shall have the meaning as defined in Section 2.



7. APPENDIX

7.1. INDEX COMPONENTS

i	Name	Base identifier (BBG/Refinitiv)	Conversion Factor
1	Copper Futures	HG/HG	100
2	Nickel Futures	LN/MNI	1
3	Aluminum Futures	LA/MAL	1
4	Zinc Futures	LX/MZN	1
5	Silver Futures	SI/SI	1
6	Platinum Futures	PL/PL	1
7	Palladium Futures	PA/PA	1
8	Gold Futures	GC/GC	1
9	Lead Futures	LL/MPB	1

8. HISTORY OF INDEX CHANGES

Version	Date	Description
1.0	19 December 2024	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

Website: www.solactive.com

© Solactive AG