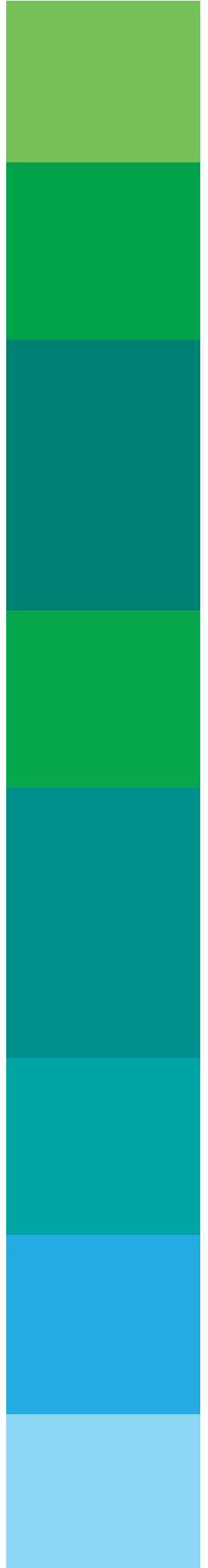


Benchmark Statement

Index Family: LeverageShort indices

Administrator: Euronext Paris



Version notes

latest version September 2022

Dates	Version notes
April-19	First publication
July-19	Updated of website links after euronext.com migration
February-20	Updated text and links to current documents ; addition of "changes to or cessation of indices" and specification of ESG factor application
April-20	Updated link rulebook for relaunched indices
April-20	Updated version with Climate Disclosures
March-22	PSI 20 renamed to PSI
April-22	Update of paragraph 2.3, 2.6 and 3.5
September-22	Addition of chapter 7, update of chapter 3

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1. INTRODUCTION

This Benchmark Statement covers significant and non-significant benchmarks registered via Euronext Paris as a EU Benchmark Administrator ("Administrator").

Euronext NV operates via its wholly owned subsidiaries Euronext Amsterdam N.V.(Euronext Amsterdam), Euronext Brussels S.A/N.V (Euronext Brussels), Euronext Lisbon – SGMR, SA (Euronext Lisbon), Euronext Paris S.A (Euronext Paris), The Irish Stock Exchange plc (Euronext Dublin) and Oslo Børs ASA (Oslo Børs) (collectively the "Benchmark Administrators" and individually the "Administrator") a leading benchmark and strategy index franchise that measures different segments of the Euronext and other global markets, including AEX®, BEL 20®, CAC 40®, ISEQ® and PSI®. Euronext has a long standing major interest in the management of benchmarks and indexes.

2. INDEX CHARACTERISTICS

2.1 Input Data

The indices part of this Benchmark Statement are calculated based on publicly available data that originate from regulated markets or data providers where possible. All markets that are used are subject to applicable pre and post-trade transparency regimes. These markets are also subject to comprehensive EU and national regulatory and supervisory frameworks governing market integrity, orderly and transparent price formation as well as their overall operation.

2.2 Qualification/Classification

This Benchmark Statement concerns the following type of indices as defined by Regulation (EU) 2016/1011 of the European Parliament and of the Council of 8 June 2016 on indexes used as benchmarks:

- Non Regulated data benchmarks
- The indices within the index family are classified as non-significant benchmarks; see Chapter 5
- The indices within the LeverageShort indices index family do not apply ESG factors in its selection and weighting policy.
- The rules of the index family are published here:
[Indices documents by index family](#)

The complete list of ISIN codes that are part of this Benchmark family is included in chapter 5 and can be found in the public document 'List of Indices per Benchmark family' which provides all reference information.

2.3 Index Universe and Economic Reality

The Index Family is designed to reflect the price level trends in the trading of shares listed in Europe. More detailed information on the eligible companies per index can be found in the Rulebook of the specific index.

2.4 Changes to or Cessation of Indices

Factors, including external factors beyond the control of the administrator, may necessitate changes to, or the cessation of, the indices part of this Benchmark Statement.

Users are advised that changes to, or the cessation of, the benchmark may have an impact upon the financial contracts and financial instruments that reference the benchmark or the measurement of the performance of investment funds.

2.5 Rationale for adopting the benchmark methodology

LeverageShort indices Index Family methodology is designed so that it can appropriately measure the economic reality described in paragraph 2.3.

2.6 Procedures for review and approval of the methodology:

The new index approval process is managed by Index Design of any non-Significant benchmark. The launch of any Significant benchmark will first be approved by the associated local Management Body. Index Design assess the ongoing suitability of the index or family of indices on at least an annual basis. The Oversight Committee oversee any changes to the benchmark methodology and is able to request the Benchmark Administrator to consult on such changes.

Where an index or family of indices have an Independent Supervisor, the Independent Supervisor assess the ongoing suitability of the index or family of indices on at least an annual basis.

More details can be found at :

[Index Rules](#)

[Index Governance](#)

3. POLICIES

3.1 Correction policy

The Correction Policy describes the procedures in case of index outages and other situations in which the normal provision of indices is interrupted or if it appears that elements of the calculation are or seem to be erroneous. The Correction Policy seeks to provide further guidance on the process to be followed in various situations.

The chapter 'Exceptional Market Conditions' which is included in the Correction Policy document gives a description of the circumstances in which the administrator would lack sufficient input data to determine the benchmark in accordance with the methodology and the instances when the accuracy and reliability of the methodology used for determining the benchmark can no longer be ensured.

The Corporate Actions Guide provide further guidance on suspensions, company distress and delistings. The Correction Policy and the Coporate Actions Guide are described in more detail here:

[Correction Policy](#)

[Corporate Actions Guide](#)

3.2 Exceptional Market Conditions

Exceptional Market Conditions means, but is not limited to, a period of extreme volatility, disorderly trading condiotns, war, industrial action, civil unrest, cyber sabotage, technological and risk management issues, or inability to hedge positions due to short selling ban.

3.3 Stressed Market Conditions

Stressed Market Conditions means, but is not limited to, a period of significant short-term change in the price or volume of Orders, Quotes or Trades in a Listed Product, as particularly declared by the Exchange.

3.3 Expert Judgment

The indices administered by the Administrator are derived from data sourced from regulated markets or exchanges with mandatory post-trade transparency requirements. No expert judgement is exercised apart from the normal quality assurance procedures regarding incoming data. Expert Judgment specifically and exclusively refers to exercise of discretion with respect to its use of data in determining an index in the following context:

- Expert Judgment includes extrapolating data from prior or related transactions, adjusting data for factors that might influence the quality of data such as market events or impairment of a buyer or seller's credit quality, or weighing firm bids or offers greater than a particular concluded transaction.
- Other areas of discretion, such as methodology changes, are not, for the purposes of this document, considered Expert Judgment.

3.4 Discretion

The Administrator may apply discretion to make decisions that differ from the index methodology in certain circumstances, including to avoid unnecessary turnover, excessive index changes or adjustments, or possible market disruption. If a situation occurs that is not covered by the rules or where the application of the rules could have a disruptive impact on the market, Index Design may propose a specific decision to the Independent Supervisor of the index if one exists. If no Independent Supervisor exists, the Index Panel will be consulted.

3.5 Procedures for public consultations:

Euronext Indices is committed to provide indices that respond to the best of its ability to the needs of all stakeholders of its indices. In order to achieve this and in response to developments on the markets frequent feedback is sought among the known users of the indices. For major changes Euronext Indices will launch consultations. Each consultation will be open for at least 3 weeks. A summary of the comments received will be published within 3 weeks after the consultation is closed. Taking into account the feedback received in the consultation, the Administrator will formulate a proposal for a rule change to the appropriate oversight committee for approval. As a rule such decision will be taken within 3 months after the decision.

More details can be found at :

[Index Consultation Procedure](#)

4. BENCHMARK STATEMENT REVIEW AND UPDATE

This Benchmark Statement will be updated whenever the information it provides is no longer correct or sufficiently precise and at least where:

- (a) there is a change in the type of the benchmark;
- (b) there is a material change in the methodology for determining the benchmark or, where the benchmark statement refers to a family of benchmarks, in the methodology for determining any benchmark within the family of benchmarks.

This Benchmark Statement will be reviewed at least once a year.

5. LIST OF INDICES

Index name	Mnemo	ISIN Code	Classification	Publication since
AEX Leverage	AEXLV	QS0011095898	Non-significant benchmark	21-12-07
AEX Leverage GR	AEXTL	QS0011179239	Non-significant benchmark	22-03-11
AEX Leverage NR	AEXNL	QS0011216205	Non-significant benchmark	09-10-09
AEX Short GR	AEXSH	QS0011095914	Non-significant benchmark	-
AEX X10 Leverage NR	ALE10	FR0013504768	Non-significant benchmark	-
AEX X10 Short GR	AE10S	NL0011515390	Non-significant benchmark	09-11-15
AEX X12 Leverage NR	A12LE	NL0011936141	Non-significant benchmark	-
AEX X12 Short GR	AE12S	NL0011515408	Non-significant benchmark	09-11-15
AEX X15 Leverage NR	ALE15	FR0013504743	Non-significant benchmark	-
AEX X15 Short GR	AE15S	NL0011515416	Non-significant benchmark	09-11-15
AEX X2 Short GR	AEX2S	QS0011146899	Non-significant benchmark	04-02-09
AEX X3 Leverage NR	AEX3L	QS0011230115	Non-significant benchmark	13-02-12
AEX X3 Short GR	AEX3S	QS0011230198	Non-significant benchmark	13-02-12
AEX X4 Leverage NR	AEX4L	QS0011230156	Non-significant benchmark	13-02-12
AEX X4 Short GR	AEX4S	QS0011230206	Non-significant benchmark	13-02-12
AEX X5 Leverage NR	AEX5L	QS0011230164	Non-significant benchmark	13-02-12
AEX X5 Short GR	AEX5S	QS0011230214	Non-significant benchmark	13-02-12
AEX X6 Leverage NR	AEX6L	QS0011230172	Non-significant benchmark	13-02-12
AEX X6 Short GR	AEX6S	QS0011230222	Non-significant benchmark	13-02-12

AEX X7 Leverage NR	AEX7L	QS0011230180	Non-significant benchmark	13-02-12
AEX X7 Short GR	AEX7S	FR0013362985	Non-significant benchmark	13-02-12
AEX Xbear GR	AEXXB	QS0011100854	Non-significant benchmark	-
BEL 20 Leverage	BELLV	QS0011095864	Non-significant benchmark	21-12-07
BEL 20 Leverage GR	BELTL	QS0011179247	Non-significant benchmark	09-10-09
BEL 20 Short GR	BELSH	QS0011095880	Non-significant benchmark	21-12-07
BEL 20 Triple Leverage	BEL3L	QS0011146915	Non-significant benchmark	04-02-09
BEL 20 X2 Short GR	BEL2S	QS0011146923	Non-significant benchmark	04-02-09
BEL 20 X3 Leverage NR	BE3LN	BE0389916736	Non-significant benchmark	05-02-14
BEL 20 X3 Short GR	BEL3S	QS0011146931	Non-significant benchmark	04-02-09
BEL 20 X5 Leverage NR	BEL5L	BE0389914715	Non-significant benchmark	03-12-14
BEL 20 X5 Short GR	BEL5S	BE0389915720	Non-significant benchmark	03-12-14
BEL 20 Xbear GR	BELXB	QS0011100847	Non-significant benchmark	21-12-07
CAC 40 Leverage	CACLV	QS0011095815	Non-significant benchmark	21-12-07
CAC 40 Leverage GR	CACGL	QS0011216213	Non-significant benchmark	22-03-11
CAC 40 Leverage NR	CACTL	QS0011179221	Non-significant benchmark	09-10-09
CAC 40 Short GR	CACSH	QS0011095831	Non-significant benchmark	21-12-07
CAC 40 X10 Leverage NR	CA10L	FR0013362993	Non-significant benchmark	20-02-12
CAC 40 X10 Short GR	CA10S	FR0013361573	Non-significant benchmark	20-02-12
CAC 40 X12 Leverage NR	C12LE	FR0013186939	Non-significant benchmark	04-07-16
CAC 40 X12 Short GR	CA12S	FR0013361649	Non-significant benchmark	28-01-13

CAC 40 X15 Leverage NR	CLE15	FR0013504735	Non-significant benchmark	-
CAC 40 X15 Short GR	CSH15	FR0013504776	Non-significant benchmark	-
CAC 40 X2 Short GR	CAC2S	QS0011146865	Non-significant benchmark	04-02-09
CAC 40 X3 Leverage NR	CAC3L	FR0013362662	Non-significant benchmark	22-09-10
CAC 40 X3 Short GR	CAC3S	FR0013362688	Non-significant benchmark	22-11-10
CAC 40 X4 Leverage NR	CAC4L	FR0013362811	Non-significant benchmark	22-09-10
CAC 40 X4 Short GR	CAC4S	FR0013362837	Non-significant benchmark	22-11-10
CAC 40 X5 Leverage NR	CAC5L	FR0013361359	Non-significant benchmark	22-09-10
CAC 40 X5 Short GR	CAC5S	FR0013360666	Non-significant benchmark	22-11-10
CAC 40 X6 Leverage NR	CAC6L	FR0013362852	Non-significant benchmark	05-09-11
CAC 40 X6 Short GR	CAC6S	FR0013362878	Non-significant benchmark	26-09-11
CAC 40 X7 Leverage NR	CAC7L	FR0013362860	Non-significant benchmark	05-09-11
CAC 40 X7 Short GR	CAC7S	FR0013364395	Non-significant benchmark	26-09-11
CAC 40 Xbear GR	CACXB	QS0011095856	Non-significant benchmark	21-12-07
ISEQ 20 Leverage	ISELV	IE00B2QF4Y48	Non-significant benchmark	-
PSI Leverage	PSILV	QS0011095922	Non-significant benchmark	21-12-07
PSI Leverage GR	PSITL	QS0011179254	Non-significant benchmark	09-10-09
PSI Short GR	PSISH	QS0011095948	Non-significant benchmark	21-12-07
PSI Triple Leverage	PSI3L	QS0011146949	Non-significant benchmark	04-02-09
PSI X2 Short GR	PSI2S	QS0011146956	Non-significant benchmark	04-02-09
PSI X3 Leverage NR	PS3LN	PTINO0220004	Non-significant benchmark	05-02-14

PSI X3 Short GR	PSI3S	QS0011146964	Non-significant benchmark	04-02-09
PSI Xbear GR	PSIXB	QS0011100862	Non-significant benchmark	21-12-07

6. CLIMATE-RELATED DISCLOSURES

SECTION 1 – CONSIDERATION OF ESG FACTOR

Item 1. Name of the benchmark administrator	Euronext Paris
Item 2. Type of benchmark or family of benchmarks <i>Choose the relevant underlying asset from the list provided in Annex II.</i>	Equity Benchmark
Item 3. Name of the benchmark or family of benchmarks.	LeverageShort indices Index family
Item 4. Are there in the portfolio of the benchmark administrator any EU Climate Transition Benchmarks, EU Paris-aligned Benchmarks, benchmarks that pursue ESG objectives or benchmarks that take into account ESG factors?	Yes
Item 5. Does the benchmark or family of benchmarks pursue ESG objectives?	No
Item 6. Where the response to Item 5 is positive, provide below the details (score) in relation to the ESG factors listed in Annex II for each family of benchmarks at aggregated level. The ESG factors shall be disclosed at an aggregated weighted average value at the level of the family of benchmarks.	
a) List of combined ESG factors:	Not applicable
b) List of environmental factors:	Not applicable
c) List of social factors	Not applicable
d) List of governance factors	Not applicable
Item 7. Where the response to Item 5 is positive, provide below the details (score) for each benchmark, in relation to the ESG factors listed in Annex II, depending on the relevant underlying asset concerned. Alternatively, all of this information may be provided in the form of a hyperlink to a website of the benchmark administrator included in the benchmark statement. The information on the website shall be easily available and accessible. Benchmark administrators shall ensure that information published on their website remains available for five years. The score of the ESG factors shall not be disclosed for each constituent of the benchmark, but shall be disclosed at an aggregated weighted average value of the benchmark.	
a) List of combined ESG factors:	Not applicable
b) List of environmental factors:	Not applicable
c) List of social factors	Not applicable
d) List of governance factors	Not applicable
Hyperlink to the information on ESG factors for each benchmark:	Index Rules
Item 8. Data and standards used.	

a) Description of data sources used to provide information on the ESG factors in the benchmark statement.	Not applicable
b) Reference standards	Not applicable

SECTION 2 – ADDITIONAL DISCLOSURE REQUIREMENTS FOR EU CLIMATE TRANSITION AND EU PARIS-ALIGNED BENCHMARKS

Item 9. Where a benchmark is labelled as 'EU Climate Transition Benchmark' or 'EU Paris-aligned Benchmark', benchmark administrators shall also disclose the following information:

a) forward-looking year-on-year decarbonisation trajectory;	Not applicable
b) degree to which the IPCC decarbonisation trajectory (1,5°C with no or limited overshoot) has been achieved on average per year since creation;	Not applicable
c) overlap between those benchmarks and their investable universe, as defined in Article 1, point (e), of Commission Delegated Regulation (EU) 2020/1818 (1), using the active share at asset level.	Not applicable

SECTION 3 – DISCLOSURE OF THE ALIGNMENT WITH THE OBJECTIVES OF THE PARIS AGREEMENT

Item 10. By the date of application of this Regulation, for significant equity and bond benchmarks, EU Climate Transition Benchmarks and EU Paris-aligned Benchmarks, benchmark administrators shall also disclose the following information.

By 31 December 2021, benchmark administrators shall, for each benchmark or, where applicable, each family of benchmarks, disclose the following information:

a) Does the benchmark align with the target of reducing carbon emissions or the attainment of the objectives of the Paris Agreement;	No
b) the temperature scenario, in accordance with international standards, used for the alignment with the target of reducing GHG emissions or attaining of the objectives of the Paris Agreement;	Not applicable
c) the name of the provider of the temperature scenario used for the alignment with the target of reducing GHG emissions or the attainment of the objectives of the Paris Agreement;	Not applicable
d) the methodology used for the measurement of the alignment with the temperature scenario;	Not applicable
e) the hyperlink to the website of the temperature scenario used.	Not applicable
Date on which information has last been updated and reason for the update:	September 2022 : Addition of chapter 7, update of chapter 3

7. DEFINITIONS OF THE BENCHMARK KEY TERMS

Term	Definition
Administrator	An administrator is the natural or legal person that has control over the provision of a benchmark and in particular administers the arrangements for determining the benchmark, collects and analyses the input data, determines the benchmark and publishes it.
Benchmark	Benchmark means any index by reference to which the amount payable under a financial instrument or a financial contract, or the value of a financial instrument, is determined, or an index that is used to measure the performance of an investment fund with the purpose of tracking the return of such index or of defining the asset allocation of a portfolio or of computing the performance fees.
Benchmark Statement	The Benchmark Statement identifies the primary features of an Index family or families of indices in the context of the EU Benchmark regulation. For ESG based indices it also contains disclosure of ESG factors and reporting of scores.
Contributed input data	Contributed input data means any input data not readily available to an administrator, that is required in connection with the determination of a benchmark, and is provided for that purpose.
Discretion	Discretion is the freedom to decide what should be done in a particular situation.
Expert judgement	Expert judgement means the exercise of discretion by an administrator or a contributor with respect to the use of data in determining a benchmark, including extrapolating values from prior or related transactions, adjusting values for factors that might influence the quality of data such as market events or impairment of a buyer or seller's credit quality, and weighting firm bids or offers greater than a particular concluded transaction.
Family of Benchmarks	A Family of Benchmarks means a group of Benchmarks provided by the same administrator and determined from input data of the same nature which provides specific measures of the same or similar market or economic reality.
Financial instrument	Financial instruments are assets that can be traded, or they can also be seen as packages of capital that may be traded. Most types of financial instruments provide efficient flow and transfer of capital all throughout the world's investors.
Independent Supervisor	For critical benchmarks, an administrator shall appoint an independent external auditor to review and report on the administrator's compliance with the benchmark methodology and this Regulation, at least annually.
Index	Index means any figure that is published or made available to the public; that is regularly determined entirely or partially by the application of a formula or any other method of calculation, or by an assessment; and on the basis of the value of one or more underlying assets or prices, including estimated prices, actual or estimated interest rates, quotes and committed quotes, or other values or survey.
Index Design	The Euronext team in charge of the indices.
Index universe	The index universe specifies the markets or regions that form the starting point of the index composition.
Input data	Input data means the data in respect of the value of one or more underlying assets, or prices, including estimated prices, quotes, committed quotes or other values, used by an administrator to determine a benchmark.
Management Body	Management body means the body or bodies of an administrator or an another supervised entity which are appointed with national law, which are empowered to set the strategy, objectives and overall direction of the administrator or other supervised entity, and which oversee and monitor management decision-making and include persons who effectively direct the business of the administrator or other supervised entity.
Market disruption	A market disruption is a situation wherein markets cease to function in a regular manner, typically characterized by rapid and large market decline.
Market event	Market Event means any event, occurrence, fact, condition, development or effect that results from any changes in economic, banking, currency, capital markets, financial services, commodities or other market conditions, or prevailing interest rates.

Non-significant benchmark	Non-significant benchmarks are benchmarks used for financial instruments or financial contracts or to measure the performance of investment funds and that do not fulfil the requirements of being a critical benchmark or a significant benchmark and that is not a commodity benchmark or an interest rate benchmark.
Oversight committee	An oversight committee is an independent committee that ensure oversight of all aspects of the provision of Euronext's benchmarks.
Public consultation	Public consultation is a process that involves the public in providing their views and feedback on a proposal to consider in the decision-making.
Regulated data-benchmark	Regulated data-benchmark means a benchmark determined by the application of a formula from: <ul style="list-style-type: none"> -Input data contributed entirely and directly from a trading venue, an approved publication arrangement, an approved reporting mechanism, an electricity exchange, a natural gas exchange, an auction platform, a service provider to which the benchmark administrator has outsourced the data collection -Net asset values of investment funds.
Significant benchmark	A significant benchmark is a benchmark used directly or indirectly within a combination of benchmarks as a reference for financial instruments or financial contracts or for measuring the performance of investments funds having a total average of at least EUR 50 billion on the basis of all the range of maturities or tenors of the benchmark, where applicable, over a period of six months and that has no or very few appropriate market-led substitutes and, in the event that the benchmark ceases to be provided or is provided on the basis of input data no longer representative of the underlying market or economic reality or unreliable input data, there would be a significant and adverse impact on market integrity, financial stability, consumers, the real economy or the financing of households or businesses in one or more Member States.
Turnover	For Euronext listings Turnover consists of the value of Electronic order book transactions, exercise and assignments, Regulated reported trades reported via TCS as well as OBOE (off book on exchange) transactions. For listings of a Company on other markets than Euronext the Turnover consists of the value of transactions of the specific listing of the Company.