

Nordea 1 - Emerging Stars Local Bond Fund (BP-USD)

Any investment decision in the sub-funds should be made on the basis of the current prospectus and the Key Information Document (KID). Advertising Material

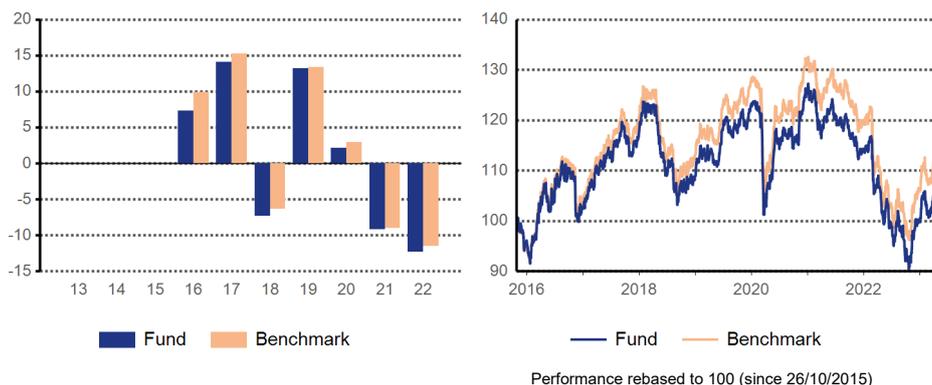
Investment strategy

The fund mainly invests in emerging market bonds denominated in local currencies. Specifically, the fund invests at least two thirds of total assets in debt securities that are denominated in local currencies. These securities are issued by public authorities or quasisovereign issuers, or by companies that are domiciled or conduct the majority of their business, in emerging markets Actively managed. Benchmark used for performance comparison only. Risk characteristics of the fund's portfolio may bear some resemblance to those of the benchmark.

Risk Profile



Discrete year performance / Historical performance



Cumulative / Annualised performance (in %)

Performance	Fund		Benchmark	
	Cumulative	Annualised	Cumulative	Annualised
Year To Date	5.69		6.06	
1 month	0.91		0.86	
3 months	1.75		1.70	
1 year	3.93	3.93	6.56	6.56
3 years	-2.77	-0.93	-0.38	-0.13
5 years	-11.35	-2.38	-7.83	-1.62
Since Launch	6.05	0.79	12.69	1.60

Monthly performance (in %)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2023	3.87	-2.91	3.86	0.91									5.69
2022	-0.28	-2.47	-2.84	-5.57	1.42	-4.74	0.29	-0.67	-5.72	-0.59	7.44	1.46	-12.26
2021	-1.41	-1.97	-3.97	3.03	1.65	-1.05	-0.46	0.12	-3.08	-0.73	-2.62	1.17	-9.14
2020	-0.80	-2.95	-11.29	3.64	5.11	-0.27	3.38	-0.59	-2.63	0.98	5.57	3.20	2.14
2019	5.36	-0.37	-1.68	-0.15	-0.32	5.66	1.31	-2.41	0.92	3.11	-2.42	3.90	13.21

Performances are in USD

The performance represented is historical; past performance is not a reliable indicator of future results and investors may not recover the full amount invested. The value of your investment can go up and down, and you could lose some or all of your invested money.

Key figures

	Fund	Benchmark
Volatility in % *	10.65	10.77
Correlation *	0.98	
Information ratio *	-0.35	
Tracking error in % *	2.28	
Alpha in % *	-0.86	
Beta *	0.97	

* Annualized 3 year data

Material changes

With effect as of 05/05/2020 the sub-fund is renamed from Nordea 1 - Emerging Market Local Debt Fund Plus to Nordea 1 - Emerging Stars Local Bond Fund.

© 2023 Morningstar, Inc. All Rights Reserved as of 28/04/2023. The Morningstar Rating is an assessment of a fund's past performance — based on both return and risk — which shows how similar investments compare with their competitors. A high rating alone is insufficient basis for an investment decision. Past performance is no guarantee of future results.

SFDR classification*: Article 8

Products actively promote environmental or social characteristics

*Product categorised based on the Sustainable Finance Disclosure Regulation (SFDR)

Fund details

Manager	Nordea Emerging Markets Debt Team
AUM (Million USD)	70.38
N° of holdings	89
Launch date	26/10/2015
Structure	SICAV
Fund Domicile	Luxembourg

Benchmark* JP Morgan GBI Emerging Market Global Diversified

*Source: Datastream

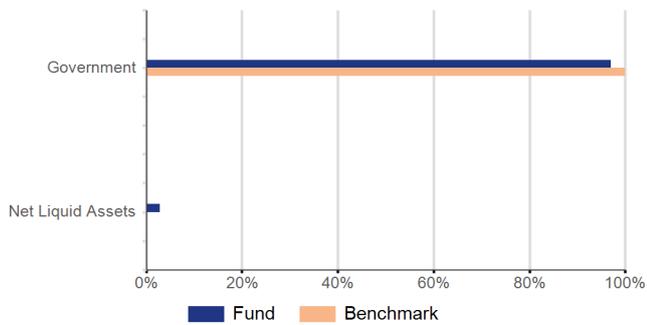
Share class details

Last NAV	106.05
Minimum investment	0 EUR
Distribution policy	Accumulating
AUM (Million USD)	0.26
Share class code	BP-USD
Launch date	26/10/2015
ISIN	LU1160612526
Sedol	BYM2W16
WKN	A142YQ
Bloomberg ticker	NOELBPU LX
Swing factor / threshold	Yes / Yes
Annual management fee	1.00%
Ongoing charges (2021)	1.36%

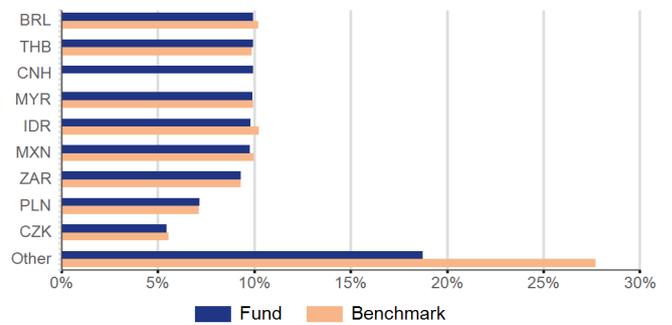
Top 15 holdings

Security Name	Weight (in %)	Sector	Country	Instrument Type	Rating
European Bank for Reconstruc 2% 21-01-2025	6.26	Government	Supranational	Bond	AAA
Thailand Government Bond 3.39% 17-06-2037	5.41	Government	Thailand	Bond	BBB
International Bank for Recon 2.25% 19-01-2029	3.80	Government	Supranational	Bond	AAA
European Investment Bank 2.7% 22-04-2024	3.08	Government	Supranational	Bond	AAA
International Bank for Recon 6.75% 09-02-2029	2.92	Government	Supranational	Bond	AAA
Asian Development Bank 2.5% 15-02-2027	2.87	Government	Supranational	Bond	AAA
International Bank for Recon 5% 22-01-2026	2.54	Government	Supranational	Bond	AAA
Colombian TES 7% 26-03-2031	2.47	Government	Colombia	Bond	BB
Asian Development Bank 2.45% 24-01-2027	2.46	Government	Supranational	Bond	AAA
Hungary Government Bond 5.5% 24-06-2025	2.12	Government	Hungary	Bond	BBB
International Bank for Recon 8.25% 21-12-2026	1.75	Government	Supranational	Bond	AAA
Malaysia Government Bond 4.181% 15-07-2024	1.73	Government	Malaysia	Bond	BBB
Republic of Poland Governmen 2.75% 25-10-2029	1.72	Government	Poland	Bond	A
Republic of Poland Governmen 2.5% 25-07-2026	1.69	Government	Poland	Bond	A
European Investment Bank 4.75% 29-10-2025	1.65	Government	Supranational	Bond	AAA

Sector breakdown (in %)



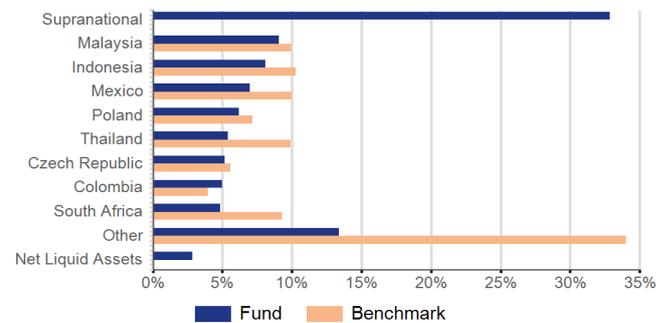
Currency exposure (post-hedge) (in %)



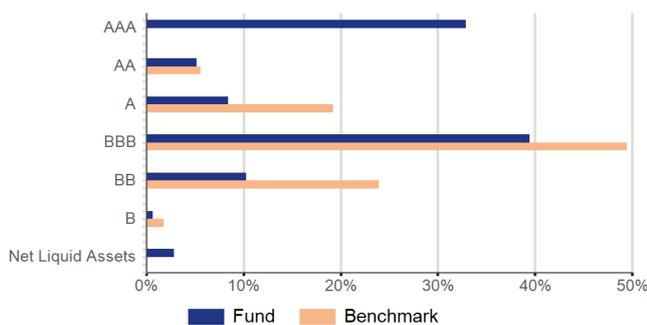
Asset allocation



Country breakdown (in %)



Rating breakdown (in %)



Bond characteristics

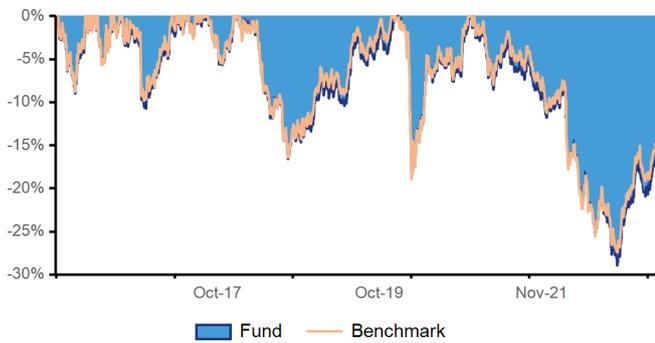
Effective Duration	4.72
Spread Duration	4.72
Effective Yield in %	6.90
Average Coupon in %	4.91
Average Rating	A
Running Yield in %	5.10
Year To Maturity	6.77
Modified Duration To Worst	4.72
Year To First Call	6.87

Risk data

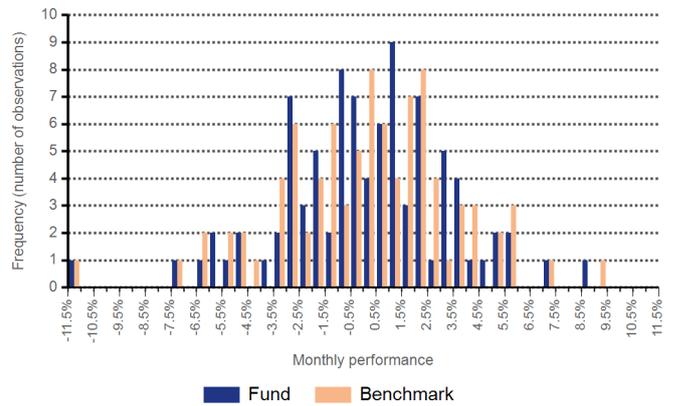
Fund VaR	3.84
Benchmark VaR	3.85

Drawdown

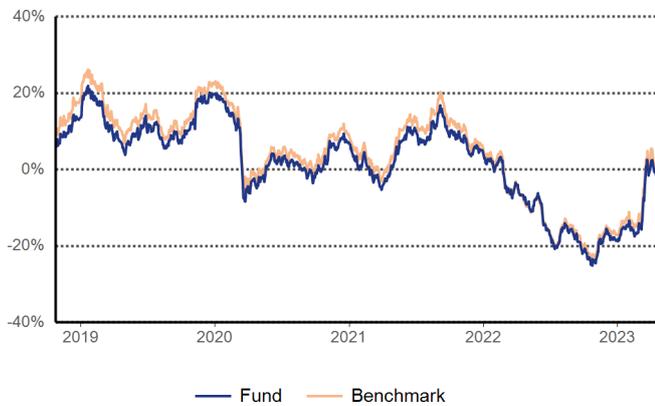
Fund maximum drawdown since inception: **-28.91%**
 Benchmark maximum drawdown: **-27.42%**



Return distribution (Since inception)



3 years rolling performances



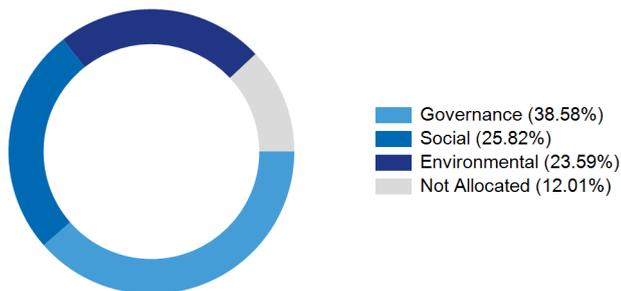
Environmental and Social characteristics

- ✓ Enhanced exclusion filters and other limits
- ✓ ESG STARS strategy
- ✓ Exclusion list
- ✓ Norms-based Screening
- ✓ Paris Aligned Fossil Fuel Policy (PAFF)
- ✓ Principal Adverse Impact (PAI) integration

ESG integration summary

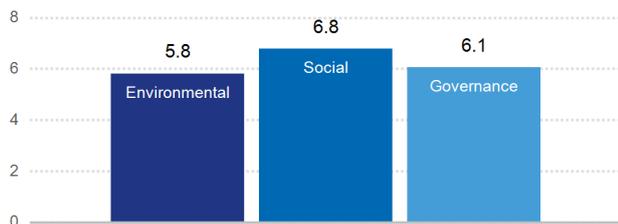
This fund does not invest in companies involved in the production of illegal or nuclear weapons or exhibiting more than 5% of their revenues from oil sand. We also exclude companies with large and sustained exposure to coal mining, with a 5% revenue threshold on thermal coal and a 30% revenue threshold on total coal (including metallurgical coal). Beyond these corporate exclusions (1), we have developed a specific range of cutting-edge products focusing on Responsible Investment: the STARS funds. Our dedicated Responsible Investment team conducts a thorough ESG analysis on each holding resulting in an internal score. Our proprietary ESG scoring model includes a business model dimension in addition to environmental, social and governance aspects. We assess how sustainability trends can positively or negatively impact the company's business model, its value chain, products and services. We also seek to understand the company's contribution to these themes. Please note that the MSCI ESG rating is mainly backward looking, relying mainly on publicly available information and can differ from Nordea's internal scoring which is based on a forward-looking approach. (1) Nordea Asset Management corporate exclusion list is available on the following link: <https://www.nordea.com/en/sustainability/sustainable-business/investments/exclusion-list/>

Portfolio exposure by ESG pillar



Source: All data is from MSCI ESG Fund Ratings as of 28/04/2023, based on holdings as of 28/02/2023.

ESG Scores per pillar



Source: All data is from MSCI ESG Fund Ratings as of 28/04/2023, based on holdings as of 28/02/2023. The overall portfolio rating is calculated on an industry relative basis while the underlying individual E, S and G ratings are absolute. Hence, the overall rating cannot be seen as an average of the individual E, S and G ratings. Rated on a scale of 0 to 10, where 0 is very poor and 10 is very good.

SFDR classification*

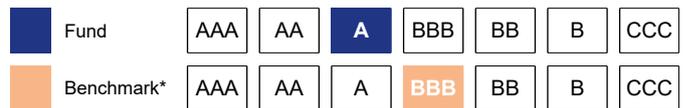
Article 8

Products actively promote environmental or social characteristics

*Product categorised based on the Sustainable Finance Disclosure Regulation (SFDR)

ESG rating (vs. benchmark)

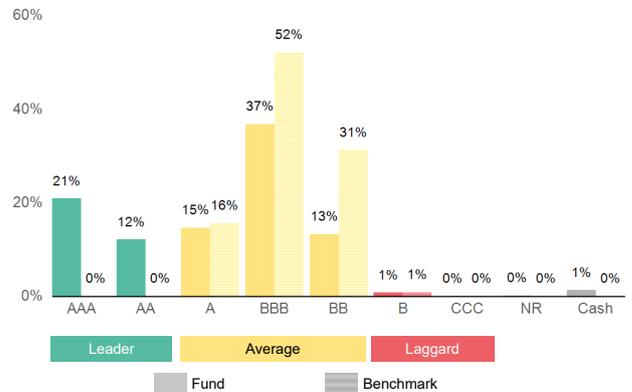
Coverage Rate Fund: 100% Benchmark: 100%



Benchmark: JP Morgan GBI Emerging Market Global Diversified

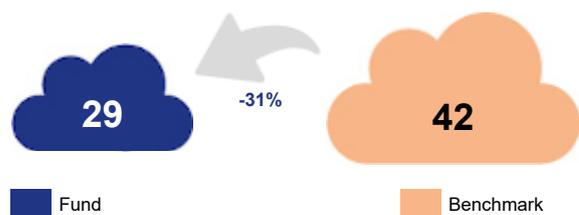
The ESG Rating assesses the resilience of a fund's aggregate holdings to long term ESG risks. Highly rated funds consist of issuers with leading or improving management of key ESG risks. ©2023 MSCI ESG Research LLC. Reproduced by permission.

ESG Rating Breakdown



Source: © 2023 MSCI ESG Research LLC. Reproduced by permission.

Weighted average carbon intensity



(In Tons of CO2 equivalent per dollar millions of sales). Source: Data sourced from MSCI Inc. for equities and ISS Ethix for fixed Income. For sovereigns (countries) turnovers is replaced by GDP. Please note that only scope 1 & 2 are taken into consideration, excluding scope 3. The carbon intensity of our fund might therefore appear higher than the benchmark.

ESG legend

Scope 1 refers to direct GHG emissions, Scope 2 refers to indirect GHG emissions from the consumption of purchased electricity and Scope 3 refers to other indirect emissions that occur from sources not owned or controlled by the company.

The metrics are used for illustrative purposes only and solely rely on MSCI ESG Research views © 2023 MSCI ESG Research LLC. Reproduced by permission. Although Nordea Investment Management AB's information providers, including without limitation, MSCI ESG Research LLC and its affiliates (the "ESG Parties"), obtain information from sources they consider reliable, none of the ESG Parties warrants or guarantees the originality, accuracy and/or completeness of any data herein. None of the ESG Parties makes any express or implied warranties of any kind, and the ESG Parties hereby expressly disclaim all warranties of merchantability and fitness for a particular purpose, with respect to any data herein. None of the ESG Parties shall have any liability for any errors or omissions in connection with any data herein. Further, without limiting any of the foregoing, in no event shall any of the ESG Parties have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.

For more information on sustainability-related aspects of the fund, please visit nordea.lu/SustainabilityRelatedDisclosures.

Risk & Reward Profile (RRP)

The risk indicator assumes you keep the product for 5 years. The summary risk indicator is a guide to the level of risk of this product compared to other products. It shows how likely it is that the product will lose money because of movements in the markets or because we are not able to pay you. We have classified this Fund as 3 out of 7, which is a medium-low risk class. This rates the potential losses from future performance at a medium-low level, and poor market conditions are unlikely to impact the Fund's capacity to pay you. Be aware of currency risk. In some circumstances you will receive payments in a different currency, so the final return you will get depend on the exchange rate between the two currencies. This risk is not considered in the indicator shown above. For more information on risks the fund is exposed to, please refer to the section "Risk Descriptions" of the prospectus. Other risks materially relevant to the PRIIP not included in the summary risk indicator:

ABS/MBS risk: Mortgage-backed and asset-backed securities (MBSs and ABSs) typically carry prepayment and extension risk and can carry above-average liquidity risk.

Country risk — China: The legal rights of investors in China are uncertain, government intervention is common and unpredictable, and some of the major trading and custody systems are unproven.

Credit risk: A bond or money market security, whether from a public or private issuer, could lose value if the issuer's financial health deteriorates.

Derivatives risk: Small movements in the value of an underlying asset can create large changes in the value of a derivative, making derivatives highly volatile in general, and exposing the fund to potential losses significantly greater than the cost of the derivative.

Emerging and frontier markets risk: Emerging and frontier markets are less established, and more volatile, than developed markets. They involve higher risks, particularly market, credit, legal and currency risks, and are more likely to experience risks that, in developed markets, are associated with unusual market conditions, such as liquidity and counterparty risks.

Prepayment and extension risk: Any unexpected behaviour in interest rates could hurt the performance of callable debt securities (securities whose issuers have the right to pay off the security's principal before the maturity date).

Securities handling risk: Some countries may restrict securities ownership by outsiders or may have less regulated custody practices.

Taxation risk: A country could change its tax laws or treaties in ways that affect the fund or shareholders.

This product does not include any protection from future market performance so you could lose some or all of your investment.

Glossary / Definition of Terms

Alpha

The risk-adjusted excess return relative to the benchmark, resulting from portfolio active management. It reflects the portion of the excess return that is not explained by systemic risk.

Average Coupon

Defined as the average interest payment of portfolio's fixed income positions relative to their principal value.

Average Rating

The average credit rating of all fixed income securities in the portfolio.

Beta

A measurement of the volatility of returns relative to the overall market beta equal to one. A security with beta higher (lower) than one has greater (lower) risk relative to the broad market.

Commitment

Represented by the sum of notional, or the sum of the commitments of individual derivatives after netting and hedging.

Correlation

The degree to which two variables move together. The metric assumes values between -1 and 1. A positive (negative) correlation means that variables move in the same (opposite) direction(s). If there is no relationship between each other, the correlation will be close to zero.

Effective Duration

The relative sensitivity to an absolute change in the interest rates. More specifically, it gives the percentage change in instrument value if all interest rates are increased by an absolute of 1%.

Effective Yield

The weighted average of yields of the fund's investments, taking derivatives and dividend yield on equity securities into account. Each instrument's yield is calculated in its currency denomination. It is not a return expectation, but a snapshot of the rate of return of the fund's investments at current prices, yields and FX levels.

Fund VaR

The probability-based estimate of the minimum loss over a period of time (horizon), given a certain confidence level, presented as percentage of the assets under management of the fund.

Information ratio

A measure of risk-adjusted return that is defined as the excess annual return of the portfolio over its benchmark (active return) relative to the variability of that excess return (tracking error). It is used to assess the added value of the active management.

Maximum Drawdown

The largest loss measured from peak to trough until a new peak is attained.

Modified Duration To Worst

A measure of sensitivity of price to changes in the value of a bond in response to a change in interest rates, taking into account all call features.

Ongoing charges

It is an estimate of the charges that excludes performance related fees and transaction costs including third party brokerage fees and bank charges on securities transactions.

Running Yield

Annualised rate of return calculated as the annual income (coupons) of an investment divided by its current market value.

Spread Duration

A measure of the sensitivity of the security price to changes in its credit spread. Credit spread is defined as the difference between the security yield and risk free benchmark yield.

Tracking error

The volatility of the fund's excess returns over its benchmark returns. It quantifies how closely a manager's return pattern follows that of the benchmark.

Volatility

A statistical measure of the distribution of returns for a specific time period with a certain confidence interval. It gives an insight on the amount of risk and uncertainty of a security or portfolio. Commonly, the higher the volatility, the riskier the security or portfolio.

Year To First Call

The number of years until the next call date, in bond with embedded options.

Year To Maturity

Amount of time, in years, until a bond reaches maturity and repays its principal.

Source (unless otherwise stated): Nordea Investment Funds S.A. Period under consideration (unless otherwise stated): 31/03/2023 - 28/04/2023. Performance calculated NAV to NAV (net of fees and Luxembourg taxes) in the currency of the respective share class, gross income and dividends reinvested, excluding initial and exit charges as per 28/04/2023. Initial and exit charges could affect the value of the performance. **The performance represented is historical; past performance is not a reliable indicator of future results and investors may not recover the full amount invested. The value of your investment can go up and down, and you could lose some or all of your invested money.** If the currency of the respective share class differs from the currency of the country where the investor resides the represented performance might vary due to currency fluctuations. The sub-funds mentioned are part of Nordea 1, SICAV, an open-ended Luxembourg-based investment company (Société d'Investissement à Capital Variable), validly formed and existing in accordance with the laws of Luxembourg and with European Council Directive 2009/65/EC of 13 July 2009. **This document is advertising material and does not disclose all relevant information concerning the presented sub-funds.** Any investment decision in the sub-funds should be made on the basis of the current prospectus and the Key Information Document (KID), which are available, along with the current annual and semi-annual reports, electronically in English and in the local language of the market where the mentioned SICAV is authorised for distribution, without charge upon request from Nordea Investment Funds S.A., 562, rue de Neudorf, P.O. Box 782, L-2017 Luxembourg, from the local representatives or information agents, or from our distributors as well as on www.nordea.lu. Investments in derivative and foreign exchange transactions may be subject to significant fluctuations which may affect the value of an investment. **Investments in Emerging Markets involve a higher element of risk. The value of your investment can go up and down, and you could lose some or all of your invested money. Investments in equity and debt instruments issued by banks could bear the risk of being subject to the bail-in mechanism (meaning that equity and debt instruments could be written down in order to ensure that most unsecured creditors of an institution bear appropriate losses) as foreseen in EU Directive 2014/59/EU. For further details of investment risks associated with these sub-funds, please refer to the relevant Key Information Document (KID), available as described above.** The investment promoted concerns the acquisition of units or shares in a sub-fund, not in any given underlying asset such as shares of a company, as these are only the underlying assets owned by the fund. Nordea Investment Funds S.A. has decided to bear the cost for research, i.e. such cost is covered by existing fee arrangements (Management-/Administration-Fee). Nordea Investment Funds S.A. only publishes product-related information and does not make any investment recommendations. A summary of investor rights is available in English through the following link: https://www.nordea.lu/documents/summary-of-investors-rights/SOIR_eng_INT.pdf. Nordea Investment Funds S.A. may decide to terminate the arrangements made for the marketing of its sub-funds in any respective EU-country of distribution in accordance with Article 93a of Directive 2009/65/EC. Published by Nordea Investment Funds S.A., 562, rue de Neudorf, P.O. Box 782, L-2017 Luxembourg, which is authorized by the Commission de Surveillance du Secteur Financier in Luxembourg. Further information can be obtained from your financial advisor. He/she can advise you independently of Nordea Investment Funds S.A. **Please note that all sub funds and share classes might not be available in your country of jurisdiction. Additional information for investors in Switzerland:** The Swiss Representative and Paying Agent is BNP Paribas, Paris, Zurich branch, Selnastrasse 16, 8002 Zurich, Switzerland. **Additional information for investors in Germany:** The Nordea 1, SICAV is registered in Germany. A hard copy of the above-mentioned fund documentation is also available at Nordea Investment Funds S.A. **Additional information for investors in Austria:** The Facility Agent in Austria is Erste Bank der österreichischen Sparkassen AG, Am Belvedere 1, 1100 Vienna, Austria. **Additional information for investors in the Netherlands:** Nordea 1, SICAV is a Luxembourg Undertaking for Collective Investment in Transferable Securities (UCITS) registered in the Netherlands in the register kept by the AFM, and as such is allowed to offer its shares in the Netherlands. The AFM register can be consulted via www.afm.nl/register. **Additional information for investors in France:** With the authorisation of the AMF the shares of the sub-funds of Nordea 1, SICAV may be distributed in France. Centralising Correspondent in France is CACEIS Bank, located at 89-91 rue Gabriel Peri, 92120 Montrouge, France. **Investors are advised to conduct thorough research before making any investment decision. Additional information for investors in Belgium:** The Nordea 1, SICAV is registered in Belgium. Financial Service Agent responsibilities have been assumed by Nordea Investment Funds S.A. A hard copy of the above-mentioned fund documentation is available upon demand free of charge from the management company Nordea Investment Funds S.A. (562, rue de Neudorf, L-2017 Luxembourg, Grand Duchy of Luxembourg) or on the website: www.nordea.be. **Additional information for investors in Spain:** Nordea 1, SICAV is duly registered in the CNMV official registry of foreign collective investment institutions (entry no. 340) as authorised to be marketed to the public in Spain. The Depository of the SICAV's assets is, J.P. Morgan Bank Luxembourg S.A. In Spain, any investment must be made through the authorised distributors and on the basis of the information contained in the mandatory documentation that must be received from the SICAV's authorised distributor prior to any subscription. The Representative Agent is Allfunds Bank S.A.U., C/ de los Padres Dominicos, 7, 28050 Madrid, Spain. A complete list of the authorised distributors is available in the CNMV's webpage (www.cnmv.es). **Additional information for investors in Portugal:** The Management Company of the SICAV, Nordea Investment Funds, S.A., and the Depository of the SICAV's assets, J.P. Morgan Bank Luxembourg S.A., are validly formed and existing in accordance with the laws of Luxembourg and authorized by the Commission de Surveillance du Secteur Financier in Luxembourg. The Paying Agent in Portugal is BEST - Banco Electrónico de Serviço Total, S.A., duly incorporated under the laws of Portugal and registered with the CMVM as a financial intermediary. **Additional information for investors in Italy:** Fund documentation as listed above is also available in Italy from the distributors and on the website www.nordea.it. The updated list of distribution agents in Italy, grouped by homogenous category, is available from the distributors themselves or from the Paying Agents: State Street Bank International GmbH – Succursale Italia, Allfunds Bank S.A.U. – Succursale di Milano, Société Générale Securities Services S.p.A., Banca Sella Holding S.p.A, Banca Monte dei Paschi di Siena S.p.A., CACEIS Bank S.A., Italian Branch and on the website www.nordea.it. Any requests for additional information should be sent to the distributors. **Before investing, please read the prospectus and the KID carefully.** We recommend that you read the most recent annual financial statement in order to be better informed about the fund's investment policy. **The prospectus and KID for the sub-funds have been published with Consob.** For the risk profile of the mentioned sub-funds, please refer to the fund prospectus. **Additional information for investors in Ireland:** The Facilities Agent is Maples Fund Services (Ireland) Limited, 32 Molesworth Street, D02 Y512 Dublin 2, Ireland. **Additional information for investors in Sweden:** The Paying Agent is Nordea Bank Abp, Swedish Branch, Smålandsgatan 17, 105 71 Stockholm, Sweden. **Additional information for investors in Denmark:** The Representative Agent is Nordea Danmark, Filial af Nordea Bank Abp, Finland, Grønordsvej 10, Postbox 850 0900 Copenhagen C, Denmark. A hard copy of the above-mentioned fund documentation is available here. **Additional information for investors in Norway:** The Nordea 1, SICAV is registered in Norway. **Additional information for investors in Finland:** The Nordea 1, SICAV is registered in Finland. **Additional information for investors in Latvia:** The Representative Agent is Luminor Bank AS, 62 Skanstes iela 12, 1013 Riga, Latvia. **Additional information for investors in Estonia:** The Representative Agent in Estonia is Luminor Bank AS, Liivalaia 45, 10145 Tallinn, Estonia. **Additional information for investors in Lithuania:** The Representative Agent in Lithuania is Luminor Bank AB, Konstitucijos pr. 21A, 03601 Vilnius, Lithuania. Shareholders must evaluate possible investment risks and take this into consideration when making investment decisions. **Additional information for investors in Brazil:** This is a strictly privileged and confidential document for the purposes of a potential investment in foreign securities on a one-on-one basis with potential investors with a pre-existing relationship with Nordea Investment Funds S.A. This document contains information addressed only to a specific individual and is not intended for distribution to, or use by, any other person. This document (i) is provided for informational purposes only, (ii) should not be construed in any manner as any solicitation or offer to buy or sell any securities or any related financial instruments, (iii) should not be construed in any manner as a public offer of any securities or any related financial instruments, and (iv) will be addressed to a potential investor with restrict access of information. Neither Nordea Investment Funds S.A nor Nordea 1, SICAV have been, and will not be, registered with the Brazilian Securities Commission (Comissão de Valores Mobiliários - CVM). Nordea 1, SICAV must not be offered or sold in Brazil except in circumstances which do not constitute a public offering or distribution under Brazilian laws and regulations. Any public offering, placement or distribution, as defined under Brazilian laws and regulations, of securities in Brazil, is not legal without prior registration under Law No. 6.385 of December 7, 1976, as amended. Documents relating to the offering of the Nordea 1, SICAV, as well as information contained therein, must not be supplied to the general public in Brazil (as the offering of the Nordea 1, SICAV is not a public offering of securities in Brazil) or used in connection with any offer for subscription or sale of the Nordea 1, SICAV to the general public in Brazil. Investors within Brazil should consult with their own counsel as to the applicability of these laws and regulations or any exemption there from. **Additional information for investors in Canada:** For further information please refer to the Canadian Information Statement, Canadian Marketing Legend and Notification to Canadian Clients. Source (unless otherwise stated): Nordea Investment Funds S.A. Unless otherwise stated, all views expressed are those of Nordea Investment Funds S.A. This document may not be reproduced or circulated without prior permission. **Reference to companies or other investments mentioned within this document should not be construed as a recommendation to the investor to buy or sell the same but is included for the purpose of illustration.** The level of tax benefits and liabilities will depend on individual circumstances and may be subject to change in the future.