

LINDSELL TRAIN

Task Force on Climate-related Financial Disclosures Report

Lindsell Train Global Funds plc - Lindsell Train Japanese Equity Fund

Report Benchmark: MSCI Japan

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Reporting period –
Calendar year 2023

Introduction

Lindsell Train Limited (“Lindsell Train”) has been a public supporter of the Financial Stability Boards (FSB) Taskforce on Climate related Financial Disclosures (TCFD) since 2021, believing the TCFD framework offers a practical way of explaining our approach to integrating climate-related risks and opportunities.

Lindsell Train’s approach to climate change is integrated into our firm level governance and risk management structures. Further, as Lindsell Train deploys only one investment philosophy, with one investment team, the integration of climate related risk into the investment process is consistent across all products managed at the firm. As a result, the fund’s approach to Governance, Strategy and Risk Management does not materially deviate from Lindsell Train’s firm level approach and we would therefore refer users to our entity level [TCFD Report](#).

Glossary of Terms

Total emissions: The absolute greenhouse gas emissions of a portfolio, expressed in metric tonnes of CO2 equivalent, categorised into Scope 1, Scope 2 or Scope 3.

Scope 1: Emissions that occur from sources owned or controlled by the reporting issuer, expressed in tCO2e (metric tonnes of CO2 equivalent).

Scope 2: Indirect emissions from the consumption of purchased or acquired electricity, steam, heating, or cooling consumed by the reporting company, expressed in tCO2e (metric tonnes of CO2 equivalent).

Scope 3: Indirect emissions not included in Scope 2 that occur in the value chain of the reporting company. This includes emissions from transportation of goods and services, use of sold products and services, and other upstream and downstream activities in the value chain, expressed in tCO2e (metric tonnes of CO2 equivalent).

Enterprise Value Including Cash (EVIC): Enterprise value including cash or "EVIC" means the sum of the market capitalisation of ordinary shares, the market capitalisation of preferred shares, and the book value of total debt and non-controlling interests, without the deduction of cash or cash equivalents.

Market Capitalisation: Total value of a company's outstanding shares of stock.

Total Emissions - Fund Value by Market Capitalisation:

The absolute greenhouse gas emissions attributed to the fund, expressed in metric tonnes of CO2 equivalent. Emissions are categorised into Scope 1, Scope 2 or Scope 3. Attribution to the fund is based on the proportion of the company's market capitalisation that the fund owns.

$$= \sum ((\text{current value of fund investment} / \text{market capitalisation of company}) \times \text{company emissions})$$

Total Emissions - Fund Value by EVIC:

The absolute greenhouse gas emissions attributed to the fund, expressed in metric tonnes of CO2 equivalent. Emissions are categorised into Scope 1, Scope 2 or Scope 3. Attribution to the fund is based on the proportion of the company's enterprise value including cash (EVIC) that the fund owns.

$$= \sum ((\text{current value of fund investment} / \text{EVIC of company}) \times \text{company emissions})$$

Fund Coverage: Proportion of the fund where reported emissions data is used for the calculation. Estimated data is not included in the coverage value.

Proportion of Estimated Data: Proportion of the fund where estimated emission data is used for emissions calculations.

Glossary of Terms

Total Emissions - Benchmark Value by EVIC:

The absolute greenhouse gas emissions attributed to the benchmark, expressed in metric tonnes of CO2 equivalent. Emissions are categorised into Scope 1, Scope 2 or Scope 3. Attribution to the benchmark is based on the proportion of the company's enterprise value including cash (EVIC) that the benchmark owns.

$$= \Sigma ((\text{Current value of benchmark position} / \text{EVIC of company}) \times \text{company emissions})$$

Benchmark Coverage: Proportion of the benchmark where reported emissions data is available for the calculation. Estimated data is not included within the coverage metric.

Carbon Footprint - Fund Value by Market Capitalisation:

Total carbon emissions attributed to the fund based on market capitalisation, divided by the market value of the portfolio, expressed in tonnes CO2e/£M invested. The carbon footprint measures the emissions of the fund generated for each pound invested and enables the reader to compare portfolios.

$$= \Sigma (\text{Total emissions attributed to fund by market capitalisation} / \text{current fund market value})$$

Carbon Footprint - Fund Value by EVIC:

Total carbon emissions attributed to the fund based on EVIC, divided by the market value of the portfolio, expressed in tonnes CO2e/£M invested. The carbon footprint measures the emissions of the fund generated for each pound invested and enables the reader to compare portfolios.

$$= \Sigma (\text{Total emissions attributed to fund by EVIC} / \text{current fund market value})$$

Carbon Footprint - Benchmark Value by EVIC:

Total carbon emissions attributed to the benchmark based on EVIC, divided by the market value of the benchmark portfolio, expressed in tonnes CO2e/£M invested. The carbon footprint measures the emissions of the benchmark generated for each pound invested and enables the reader to compare portfolios.

$$= \Sigma (\text{Total emissions attributed to benchmark by EVIC} / \text{current benchmark market value})$$

Weighted Average Carbon Intensity (WACI): Measures the exposure of the portfolio to carbon-intensive companies, expressed in tonnes of CO2 equivalent/£M revenue. By normalising emissions by revenues, WACI allows comparison of carbon efficiency across companies. Total emission data of each company is divided by the company's revenues, then multiplied based on the position weight in the portfolio, i.e. the current value of the investment divided by the current total market value of the fund.

$$= \Sigma [(\text{current value of investment} / \text{current fund market value}) \times (\text{company emissions} / \text{company £M revenue})]$$

Glossary of Terms

Implied Temperature Rise: The Implied Temperature Rise (ITR) metric provides an indication of how companies and investment portfolios align to global temperature goals. MSCI calculates a forward-looking metric, expressed in degrees Celsius, designed to show the temperature alignment of companies, portfolios and funds. Further detail from MSCI on the methodology and interpretation of ITR is provided below:

“Implied Temperature Rise compares the current and projected greenhouse gas emissions of nearly every publicly listed company across all emissions scopes (based on the company’s track record and stated reduction targets) with its share of the remaining global carbon budget for keeping warming this century well below 1.5°C. A company projected to emit carbon below budget can be said to “undershoot” the budget; a company projected to exceed the budget “overshoots” it.

Implied Temperature Rise converts the overshoot or undershoot to an implied rise in average global temperatures this century, expressed in degrees Celsius (°C). An implied temperature of 1.5°C, for instance, indicates that a company is projected to remain within its share of a carbon budget that would keep warming this century to 1.5°C. An implied temperature of 2.5°C or 3°C, in contrast, would show that the company’s emissions align with temperatures that keep rising, bringing greater harms. The portfolio-level Implied Temperature Rise compares the sum of projected greenhouse gas emissions against the sum of carbon budgets for the underlying constituents or holdings. The estimated carbon budget overshoot or undershoot for the portfolio in question converts to a degree of temperature rise.”

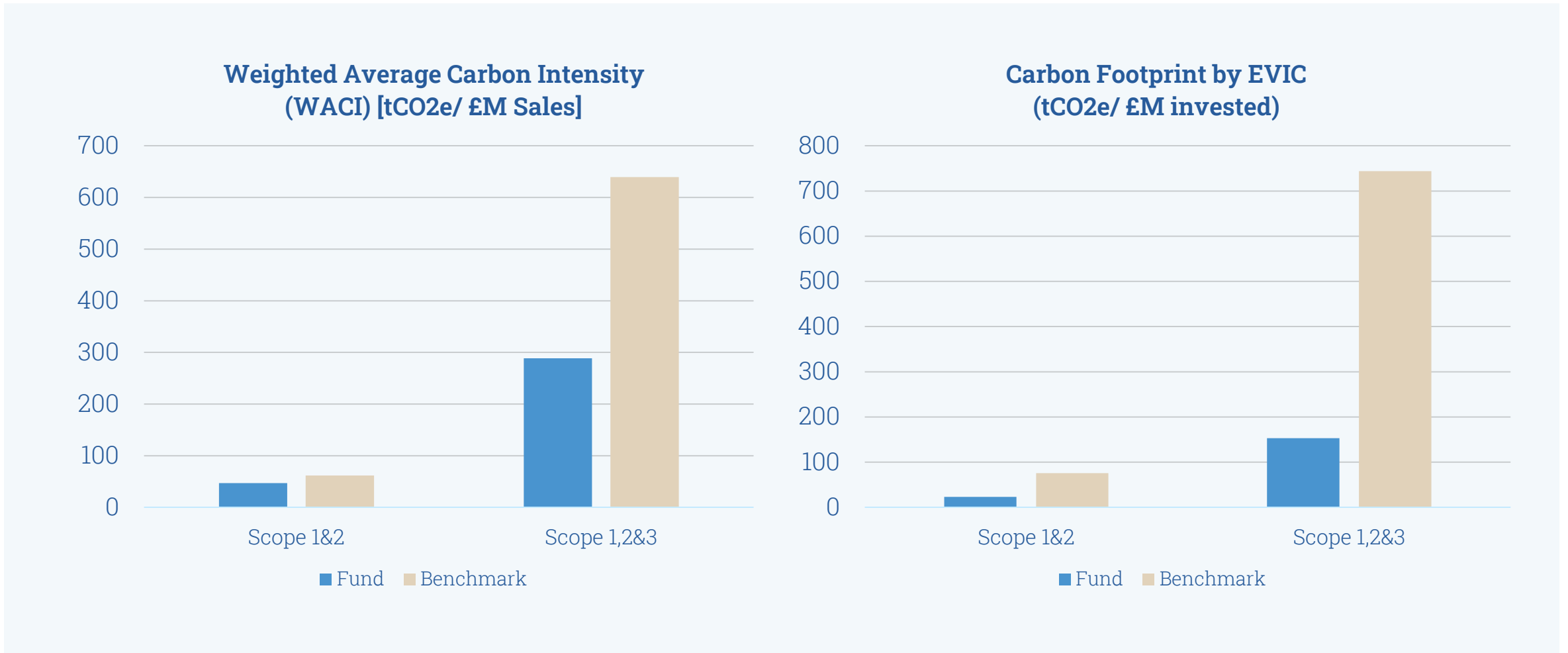
Lindsell Train Japanese Equity Fund

Metric type	Fund Value by Market Capitalisation	Fund Value by EVIC	Fund Coverage	Proportion of Estimated Data	Benchmark Value by EVIC	Benchmark Coverage
Total emissions (tCO2e) – Scope 1&2	3,143	2,755	77.7%	22.3%	195,878,655	91.3%
Total emissions (tCO2e) – Scope 3	18,378	15,439	69.2%	0.0%	1,733,625,821	91.3%
Total emissions (tCO2e) – Scope 1,2&3	21,520	18,194	69.2%	22.3%	1,929,504,475	91.3%
Carbon Footprint (tCO2e/ £M invested) – Scope 1&2	26	23	77.7%	22.3%	76	91.3%
Carbon Footprint (tCO2e/ £M invested) – Scope 1,2&3	181	153	69.2%	22.3%	744	91.3%

Metric type	Fund Value	Fund Coverage	Proportion of Estimated Data	Benchmark Value	Benchmark Coverage
Weighted Average Carbon Intensity (WACI) [tCO2e/ £M Sales] – Scope 1&2	47	77.7%	22.3%	62	99.8%
Weighted Average Carbon Intensity (WACI) [tCO2e/ £M Sales] – Scope 1,2&3	288	69.2%	22.3%	639	99.8%
Implied temperature rise (°C)	1.8	-	-	-	-

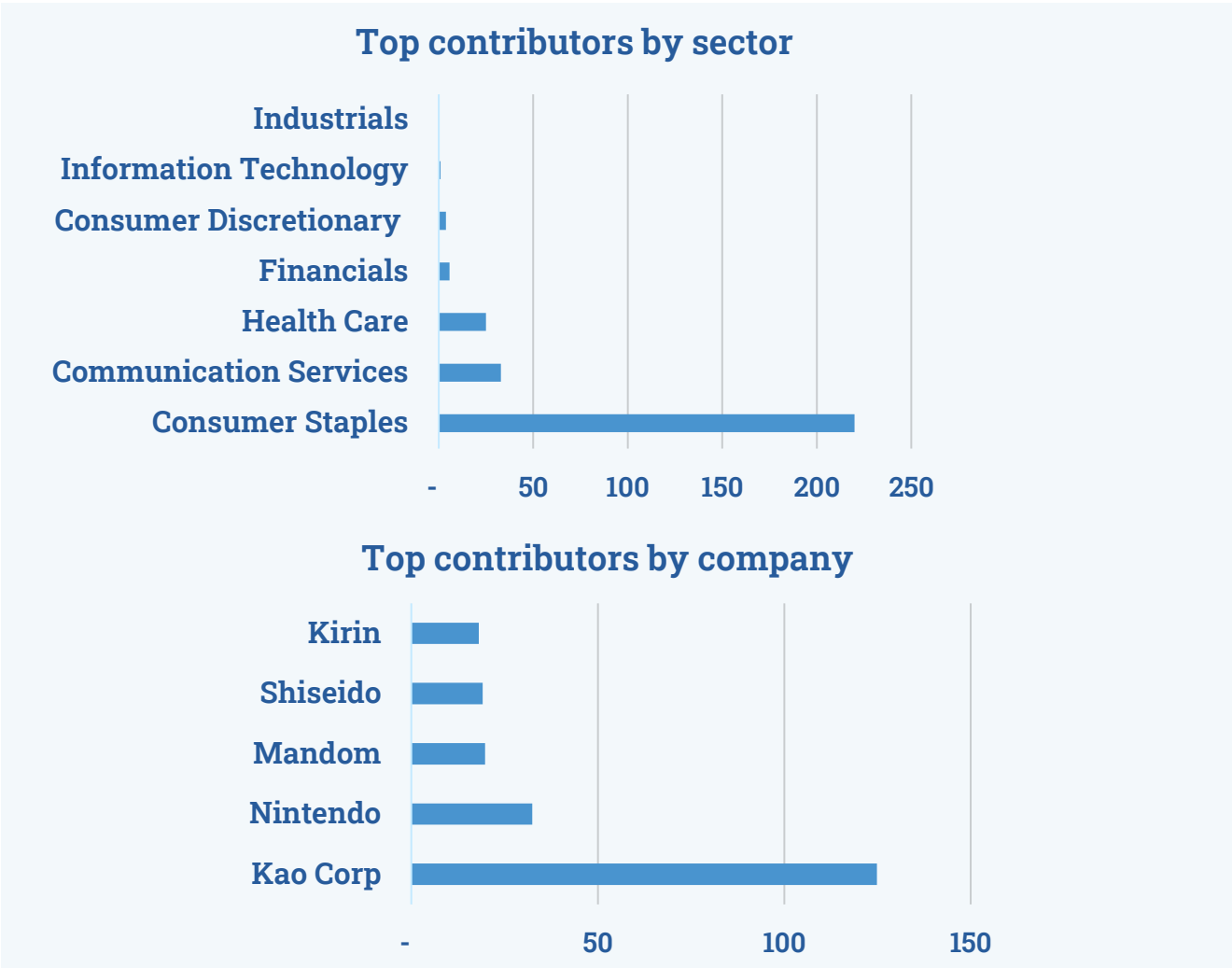
Source: Company Reports and Bloomberg for Fund data, Morningstar Direct for Benchmark data.

Fund WACI & Carbon Footprint Relative to Benchmark



Source: Company Reports and Bloomberg for Fund data, Morningstar Direct for Benchmark data.

Scope 1, 2 & 3 WACI – Top Contributors



Source: Company Reports and Bloomberg.

Additional Insights – Net Zero Alignment

Lindsell Train assessment of holdings' net zero alignment*	% Portfolio AUM
Net zero	0%
Aligned	14%
Aligning	29%
Committed to Aligning	18%
Not Aligned	39%

* Lindsell Train undertakes an assessment each year of the alignment of its portfolio companies to a Net Zero pathway. This uses specific and comprehensive criteria to categorise the portfolio company into one of the categories listed within the table. A full description of the categories and criteria used to make the assessment can be found within the appendix of the Lindsell Train entity level [TCFD Report](#).

Science-Based Targets alignment of holdings	Portfolio
% of total fund invested in companies who have committed to set targets approved by the Science-Based Targets Initiative	31.8%
% of total fund invested in companies who have approved targets by the Science-Based Targets Initiative	31.8%

Climate Change Scenario Assessment

As the fund does not have concentrated exposures or high exposures to carbon intensive sectors, we have provided a qualitative assessment of how different scenarios may impact the underlying assets within the fund.

Physical Risks: Physical risks resulting from climate change can be acute (driven by an event such as a flood or storm) or chronic (arising from longer-term shifts in climate patterns), presenting increasing financial risks including damage to assets, interruption of operations, and disruption to supply chains.

Transition Risks: Transition risks are the risks associated with the transition to a lower-carbon economy. These are divided into four categories: policy and legal risk, technology risk, market risk and reputation risk.

It should also be noted that Lindsell Train focuses on companies listed in developed market exchanges including the UK, US, Japan, the Netherlands, France and Hong Kong. All of these geographies have made climate commitments in the form of 2050 net zero goals and hence our investee companies should achieve an orderly transition, guided by policy and regulation. However, should adequate progress not be achieved, policy responses may need to intensify nearer 2050 and hence the risks associated with a disorderly transition may escalate in the long-term.

1. Orderly Transition

Orderly transition scenarios assume climate policies are introduced early and become gradually more stringent, reaching global net zero CO2 emissions around 2050 and likely limiting global warming to below 2 degrees Celsius on pre-industrial averages. In such a scenario, transition risks and physical risks are relatively low.

2. Disorderly Transition

Disorderly transition scenarios assume climate policies are delayed or divergent, requiring sharper emissions reductions achieved at a higher cost and with increased physical risks in order to limit temperature rise to below 2 degrees Celsius on pre-industrial averages. In such a scenario, transition risks are at their highest, whilst physical risk remains moderate.

3. Hothouse World

Hothouse world scenarios assume only currently implemented policies are preserved, current commitments are not met and emissions continue to rise, with high physical risks alongside severe social and economic disruption and, ultimately, failure to limit temperature rise. Here projected temperature rises are expected to exceed 3 degrees Celsius by 2100 and as a consequence physical risk is at its highest, whilst transitional risk is lowered.

Climate Change Scenario Assessment

Fund Summary

Transition Risks

Our exposure to high-impact sectors, i.e., those with a higher carbon footprint, is limited on account of our bias towards capital-light and non-cyclical businesses, which naturally excludes a large proportion of higher emitting sectors. This gives us a “head start” in terms of managing our exposure to transition risk. That said, we are alert to the reputational, legal and technological risks facing our companies.

We have identified costs associated with navigating and responding to climate change regulation and although in the short term we would expect fines and litigation costs to be minimal for our companies, the likelihood of increased carbon taxes, plus the cost of carbon offsets, will likely be a more material financial risk in the lead-up to net zero target date. We believe that companies paying attention to, and investing resources into, their readiness for these shifts are likely to be better positioned for the future, and so we scrutinize our portfolio companies for evidence that this is happening. As regulation and taxes bed in, we expect greater costs associated with R&D, technological advancement and costs of fines and litigation. We are also acutely aware of the reputational risks associated with the demands of an increasingly educated and discerning consumer – and the growing emphasis placed on environmental concerns when selecting brands and products.

Physical Risks

The capital-light nature, and geographic domicile, of the majority of our investments means that the risks posed by physical risks (e.g., severe weather conditions or rising sea levels) are generally low. However, as we consider risk on a company-by-company basis we do capture in our proprietary database, Sentinel, instances of highly specific physical risk e.g. the luxury and consumer goods companies in our portfolios typically have long global supply chains and therefore have some exposure to physical risk in certain manufacturing or operational locations. We have also identified a small number of companies that could be exposed to damage by extreme weather events, for example where data centres may theoretically be vulnerable to overheating, where shifts in weather patterns could interfere with crop (for example cocoa or barley) production or present supply chain interruptions, or where a company could be exposed to rising sea levels.

Methodological and Data Assumptions

Data accuracy and consistency

Whilst we make every effort to source complete and accurate data, there are instances where we are required to rely on estimated data. Additionally, it should be noted that issuers' carbon emissions data can be inconsistent across sectors and regions. Most greenhouse gas disclosures are voluntary, relative to financial data, and are subject to less rigorous auditing. Issuers can disclose emissions with different levels of transparency, coverage and methodologies, making disclosures less comparable. When issuers do not report emissions, data providers' estimation methodologies that allow for further coverage make emission data less reliable. Methodologies to estimate emissions can be based on a company's production data, historical companies' emissions reports or by using the subindustry segment intensity average.

The comparability and timeliness of companies' disclosures is limited by the fact that we collect data annually, currently in August, in line with our initial disclosures and ongoing reporting cycle for NZAM. The timing of disclosures varies across our companies, with announcements on climate strategy or emissions targets not necessarily following the same schedule. The result is that carbon data can be up to 12 months out of date.

Data Sources

Fund financial data: Portfolio holdings data is sourced from Lindsell Train records as at the end of December 2023. Revenues, market capitalisation and enterprise value including cash (EVIC) data for the fund holdings are sourced from Bloomberg or company financial statements.

Emissions data: Emissions data is sourced from company reports for the underlying fund holdings. Where emissions data is missing, we may use estimated data from Bloomberg, if available. No data is estimated by Lindsell Train and the percentage of estimated data is disclosed. Benchmark emissions data is sourced from Morningstar Direct.

Other data: Implied Temperature Rise data is provided by MSCI. SBTi alignment is calculated by Lindsell Train using data sourced directly from the companies and verified via the SBTi website. Net zero alignment is an internal (Lindsell Train) assessment using a prescribed methodology.

Aggregating fund data: When calculating fund level emission metrics, any cash holdings are excluded from the portfolio with the remaining holdings positions rebalanced to 100%.

Disclaimers

Important Information

All data contained in this report is as at 31/12/2023 and is sourced from Lindsell Train Limited unless otherwise stated. The accuracy, completeness and relevance of the data shown is reliant on the accuracy and completeness of the data available to Lindsell Train Limited. The data presented therefore is done so on a best-efforts basis and we provide no warranties or representations express or implied regarding the completeness, accuracy, or suitability of this data.

This Task Force on Climate-related Financial Disclosures (TCFD) product report has been produced in accordance with the Financial Conduct Authority's (FCA) rules and guidance. The information provided is intended to help meet the information needs of investors as regards the climate-related impact and risks associated with the Lindsell Train Global Funds plc – Japanese Equity Fund ("the Fund").

The Fund is a UCITS open ended investment company authorised in Ireland by the Central Bank of Ireland and is a scheme recognised by the UK Financial Conduct Authority (FCA). This Fund is not registered under the Securities Act 1933 or the Investment Company Act 1940 of the United States of America ("USA") and is therefore not for distribution to any US persons or to any other person in the USA. This Fund is not registered with the Securities & Futures Commission in Hong Kong and accordingly the distribution of this document is restricted.

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