Synthesis - Carbon Footprint & Energy Transition



Newton Absolute Return

Benchmark: N/A

Evaluation: 31/03/2020



Chart Legend

Carbon Footprint: CF; Energy Transition Strategy: ETS

Carbon	Footprint	$(t CO_2 eq)$	

Carbon Footprint (1 CO ₂ eq)				
A Moder	ate	B Significant	C High	D Intense
EnergyTransition Strategy				
++ Advar	nced	+ Robust	- Limited	Weak

Coverage

	Fund	Benchmark
Portfolio coverage by investment	79.1%	N/A
Portfolio coverage by holdings	86/108	N/A

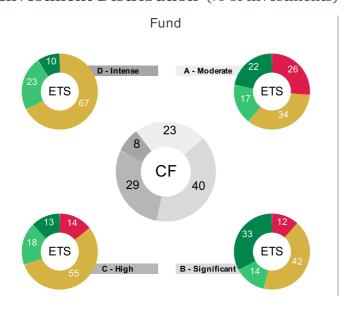
Carbon Footprint & Energy Transition

Carbon Footprint (t CO ₂ eq.)	Fund	Benchmark
Total financed emissions *	11 776.21	N/A
Financed emissions per M£ invested*	68.77	N/A
Weighted average carbon footprint	3 773 524.59	N/A
Carbon intensity per sales (millions of £)*	149.46	N/A
Weighted average carbon intensity	205.38	N/A

^{*} Based on the method of normalisation chosen by the customer: Total assets N/A: indicator not available

Energy Transition Strategy	Fund	Benchmark
Energy Transition Strategy score	Limited(-) 45/100	N/A

Investment Distribution (% of investments)



Benchmark

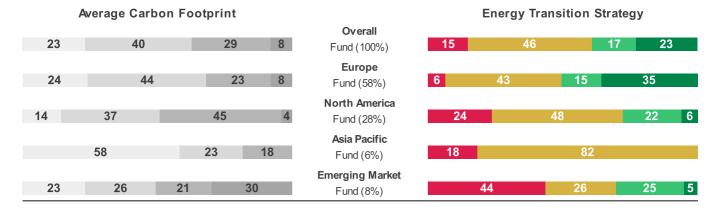
N/A

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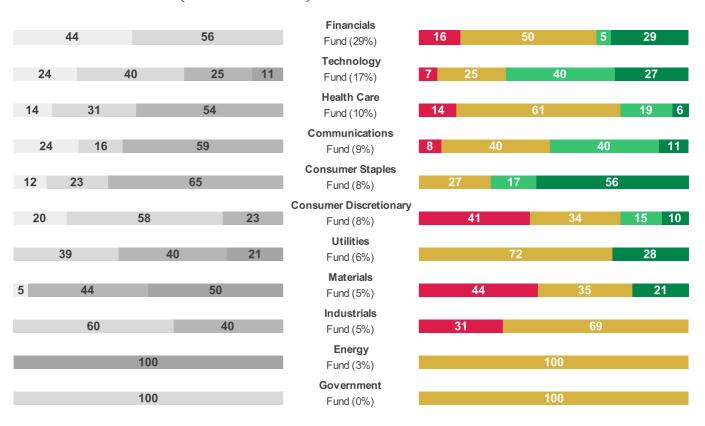




Geographic Distribution (% of investments)



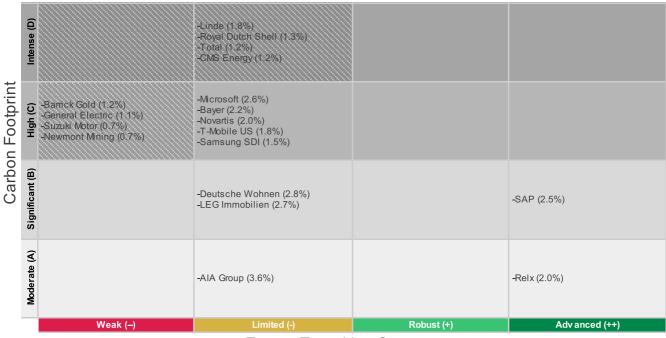
Sector Distribution (% of investments)



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Issuers' watch list



Energy Transition Score

Notential issuers to consider for engagement





Focus on major CO₂ emitters of the funds

Linde (1.8%)

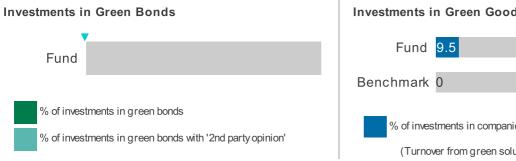
Linde displays an intense carbon footprint (D) and a limited energy transition strategy (-) with a score of 41/100. Linde's performance is penalised by a weak score on the development of green products and services, due to limited commitments and resources and to a lack of KPIs (e.g. the share of alternative or bio-based raw materials purchased or developed). The German chemicals company obtains a limited score in terms of energy consumption and CO2 emissions management. It has set quantified targets (e.g. to avoid a total of 6 million tonnes of CO2 emissions by 2020, compared to 2009) and works to optimise its production processes. In 2018, about 30% of the company's total purchased electricity was from renewable sources. Since 2012, 85% of its gas production sites in Germany have been ISO 50001 certified (energy management). However, Linde is penalised by negative KPIs. Normalised to turnover, the company's energy consumption and CO2 emissions have increased over the 2013-2017 period. The company stands out with a robust performance in managing the environmental impacts related to the transport of its products and/or raw materials. It commits to achieve a 7.5% improvement in trucking GHG intensity between 2016 and 2020, has implemented relevant measures and is showing positive results. Normalised to turnover, CO2 emissions from Linde's own transport fleet and contractors have decreased between 2013 and 2017.

Royal Dutch Shell (1.3%)

Royal Dutch Shell (Shell) has an intense carbon footprint (D) and a limited energy transition strategy (-) with a score of 34/100. While Shell has made a commitment to reduce its energy consumption and associated CO2 emissions, targets are only set for certain assets and projects. Despite the implementation of innovative energy efficiency measures, particularly in its subarctic operations in Russia, Shell's energy consumption results were mixed over the 2016-2018 period. Normalised to upstream production, the company's total energy consumption and associated GHG emissions have increased in the 2016-2018 period. However, the energy consumption in chemicals operations (along with the company's total GHG emissions), normalised to chemicals production, have decreased over the same period. Shell has joined the World Bank's "Zero Routine Flaring by 2030" initiative and has set up projects to capture and recover carbon. Its emissions associated with flaring, normalised to upstream production, decreased between 2016 and 2018 by 31%. Shell has made significant investments in renewable energy (wind, biomass and solar) and alternative fuels (agrofuels, second-generation biofuels and hydrogen). The company is involved in wind power projects and jointly owns Raizen (in partnership with the Brazilian company Cosan), which produces and sells ethanol from sugar cane. However, Shell's performance in this area is undermined by its failure to disclose quantitative targets and to report transparently on the volumes of alternative and renewable energy that it produces. The company is the subject of ongoing lawsuits, brought by the City of Honolulu among others, that relate to its alleged climatechange impact. The company is not deemed to have responded in a transparent way to these lawsuits.



Positive Impact Factors (% of investments)



Investments in Green Goods & Services % of investments in companies offering green solutions (Turnover from green solutions: >= 20%)

Negative Impact Factors (% of investments)

Fossil Fuels exposure Fund 4. Benchmark 0 % of investments exposed to fossil fuels activities (Turnover from fossil fuels: >= 20%)

Coal exposure			
Fund	0.4		
Benchmark	0		
Fund	0		
Benchmark	0		
% of investments exposed to coal mining activities			
% of investments exposed to companies burning coal for power generation			
(Turnover from coal: >= 20%)			

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Methodology

Carbon footprint

Carbon footprint is the measure of the volume of carbon dioxide (CO2 eq.) emitted by issuers.

Emissions

Scope 1 covers direct GHG emissions from sources that are owned or controlled by the issuer.

Scope 2 covers indirect GHG emissions caused by the organisation's consumption of electricity, heat, cooling or steam purchased or brought into its reporting boundary.

Scope 3 covers other indirect emissions (not included in scope 2) that occur in the value chain of the reporting company, including both upstream and downstream emissions.

Data

The carbon data is provided by the CDP and completed with other company sources collected by Vigeo Eiris.

When no data is available from any source, Vigeo Eiris' analysts build a carbon footprint estimation relying on the size of the issuer and the nature of its activities through three different methods: regression models, sector-specific physical factors and sector averages.

An issuer's Carbon Footprint (scope1+2) is then defined from A (Moderate) to D (Intense) according to the scale presented in the table below. Emissions at portfolio's level may be measured as follows:

- Total financed emissions: sum of the carbon emissions of the issuers in the portfolio based on the ownership of the investor.
- Financed emissions per millions invested: total financed emissions normalised by portfolio value.
- Weighted average carbon footprint: sum of the portfolio's companies emissions weighted by their weight in the portfolio.
- Carbon intensity per sales: volume of emissions per million of sales generated by the constituents of the portfolio over a year.
- Weighted average carbon intensity, sum of the volume of emissions per million of sales generated by the constituents of the portfolio weighted by their weight in the portfolio.

Energy Transition Strategy

Energy transition Strategy is defined as the shift from a carbon based economic model to a green and sustainable one. Vigeo Eiris' scoring of issuers' energy transition strategy is based on specific criteria tied to climate change in ESG Research. The universe of reference is based on Vigeo Eiris' Equitics Research.

Scale	Emissions (t CO2 eq)	Categories
Α	<100 000	Moderate
В	>=100 000 & <1 000 000	Significant
С	>=1 000 000 & <10 000 000	High
D	>=10 000 000	Intense

Scale	Energy Fransition Score	Categories
++	60-100	Advanced
+	50-59	Robust
-	30-49	Limited
	0-29	Weak

Performance Attribution

This measure provides an explanation on the difference of performance between a fund and its benchmark. This gap derives from the sum of two factors:

- Sector allocation effect: measures the impact of the choices of overweighting/underweighting a sector in the fund with respect to the benchmark
- Company selection effect: measures the impact of choices made in the selection of companies in the fund with respect to the benchmark

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Positive impact factors

1. Green goods and services

This research provides a positive screening on issuers having developed a business opportunity to contribute to sustainable development, with a focus on issuers answering environmental challenges.

The involvement of issuers is based on % of activity. The universe of reference is based on Vigeo Eiris' Sustainable Good and Services Research.

2. Green Bonds

Green Bonds include bonds financing sustainability related projects, with environmental and/or social benefits, responsibly managed, with an ESG risk-management approach. Vigeo Eiris calculates the share of investments realised on Green Bond issuances (defined as such by the market) and informs on the share of green bonds having received a second party opinion and the share that did not receive any. Data on Green Bonds are based on an up-to-date security list compiled by Vigeo Eiris from trustworthy sources (CBI, Bloomberg).

Negative impact factors

1. Fossil Fuels

Fossil fuels include coal, oil, natural gas (including natural gas liquids), and peat. Natural gas liquids (NGL) are classified as hydrocarbons, some of which are used as or blended into fuels, e.g. propane, butane.

The involvement of companies is based on % of turnover. The universe of reference is based on Vigeo Eiris' Controversial Activities Research. The operations covered are those of the upstream sector (exploration and production, including services during the extraction phase), midstream (transportation and storage services), refining activities and generation (electricity generation from coal, peat, oil shale, oil & gas)

Coa.

Coal includes different categories of coals, including thermal coal – used for electricity generation – and metallurgical coal – mainly used in the iron and steel industries. The extractive industry and utilities sector are analysed separately. The involvement of companies is based on % of turnover. The universe of reference is based on Vigeo Eiris Controversial Activities Research.

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