

Carbon Footprint & Energy Transition Portfolio Analysis

Quick Reference Guide

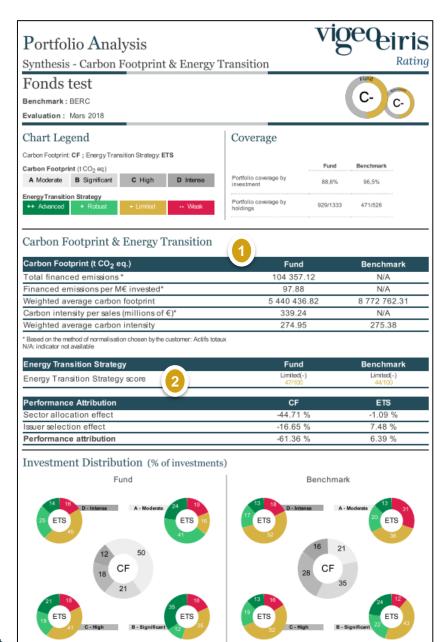


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## 1st page

### 1. Carbon Footprint (Scope 1 & 2) [CF]

- Total financed emissions
  - Emissions attributable to fund investments
  - Proportionate to fund holding in the issuer
  - Denominator: Market cap (equity) or Total assets (Equity + Debt)
- Financed emissions per M£ invested
  - > Total financed emissions, per £million invested
- Weighted average carbon footprint
  - > Average absolute carbon footprint of portfolio issuers
  - Sum of portfolio issuers' emissions, adjusted to portfolio weighting
- Weighted average carbon intensity
  - ➤ The Carbon Footprint intensity (CO2 emission per M£ of revenue) of the average emitter within the Fund
- 2. Energy Transition Score [ET]
- Energy Transition Score out of a theoretical maximum of 100
  - Calculated from specific, sector-customised ESG datapoints within the areas of Environment and Community Involvement.



### Content (2/4)

## 1st page

### 3. Performance Attribution

 Comparison of CF & ET score of the Portfolio and the Benchmark

### Sector allocation effect

Measures the impact of the choices of overweighting/underweighting a sector in the portfolio with respect to the Benchmark

### Issuer selection effect

Measures the impact of choices made in the selection of companies in the portfolio with respect to the Benchmark

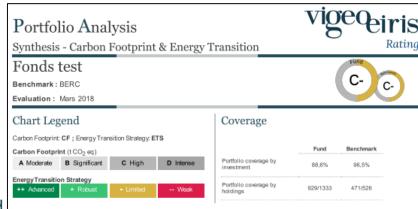
### Performance attribution

- Sum of the two preceding effects
- A negative figure for CF is a result of a lower CF for the Fund vs Benchmark (lower = better)
- A negative figure for ETS is a result of a lower ETS score for the Fund vs Benchmark (higher = better)

N.B. A Benchmark must be selected for this section to be included.

### 4. Investment distribution

 Distribution of the percentage of investments in Issuers based on Energy Transition scores and Carbon Footprint grades



### Carbon Footprint & Energy Transition

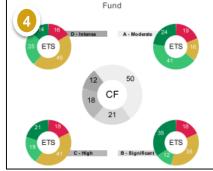
Carbon Footprint (t CO <sub>2</sub> eq.)	Fund	Benchmark
Total financed emissions *	104 357.12	N/A
Financed emissions per M€ invested*	97.88	N/A
Weighted average carbon footprint	5 440 436.82	8 772 762.31
Carbon intensity per sales (millions of €)*	339.24	N/A
Weighted average carbon intensity	274.95	275.38

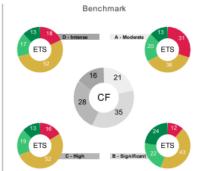
\* Based on the method of normalisation chosen by the customer: Actifs totaux N/A: indicator not available

Energy Transition Strategy	Fund	Benchmark		
Energy Transition Strategy score	Limited(-) 47/100	Limited(-) 44/100		
Danfarrana Attribution	OF.	ETC		

Performance Attribution	CF	ETS
Sector allocation effect	-44.71 %	-1.09 %
Issuer selection effect	-16.65 %	7.48 %
Performance attribution	-61.36 %	6.39 %
	·	

#### Investment Distribution (% of investments)





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### 5. Geographic and Sector Distribution

Breakdown of the percentage of investments of the Fund and Benchmark for each different level of ET score and CF grade.

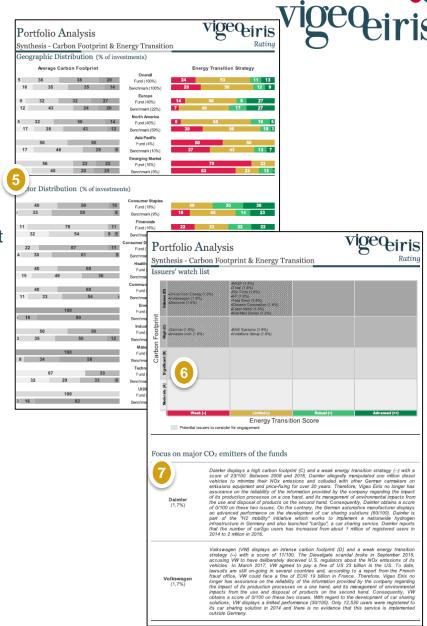
# 3<sup>rd</sup> page

### 6. Issuers' Watch List

Display of the 10 largest holdings + 10
 Issuers with which engagement could be a good option (grey hashed corner top left)

### 7. Qualitative Comments

 Issuers selected: Those with intense/high CF and a weak/limited ET score



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### Content (4/4)

## 4th page

### 8. Positive impacts factors

### Green Bonds

Percentage of the portfolio investments in green bonds & green bonds complete with a 2nd party opinion (Fixed Income only)

### Green Goods & Services

- Percentage of investments within the portfolio in Issuers offering green solutions
- Revenue threshold set to 20%

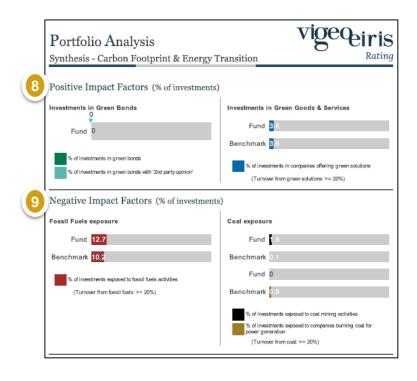
### 9. Negative impact factors

### Fossil Fuels Exposure

- Percentage of investments within the portfolio in Issuers whose turnover is, in part, derived from fossil fuels activities
- Revenues threshold set to 20%

### Coal exposure

- Percentage of investments within the portfolio in Issuers whose turnover is, in part, derived from coal mining activities or power generation from coal burning activities
- Revenues threshold set to 20%



### Carbon Indicator Definitions 1 of 5



				Use case			
Indicator	Definition	Advantages	Considerations	Impact	Risks	Contribution	Comparison?
Total Financed Emissions (Total Carbon Emissions)	by attributing the carbon emissions of the Issuer to each investor based on their ownership.  ∑(M€ invested/market cap)*CF = t CO2eq  Eg, An investor owns: - 10% of company A that emmits 100t CO2e - 5% of company B that emmits 200t CO2e	contribution to climate change; allowing to report the impact on climate  - Enables the setting of absolute reduction targets and facilitates, over time, the portfolio's contribution to reach national/international policy goals in the reduction of GHG emissions  - Enables the understanding of sector and stock allocation effects on the total	- Does not allow benchmarking and comparison with other portfolios since this indicator is sensitive to portfolio size  - By itself, does not inform the reasons of a carbon footprint evolution over time  - Sensitive to variability of market cap/enterprise value	Yes	No	Partially	No

### Carbon Indicator Definitions 2 of 5



				Use case			
Indicator	Definition	Advantages	Considerations	Impact	Risks	Contribution	Comparison?
Financed emissions per M£ invested	Eg, Following the sample above, an investor has invested a total of 100 M in companies A and B:	- Allows for comparison with other portfolios/benchmark regardless of size - Displays the carbon intensity of your money	- Sensitive to variability of market cap/enterprise value	Yes	No	Partially	Yes



# Carbon Indicator Definitions 3 of 5



# Carbon Indicator Definitions 4 of 5

				Use case			
Indicator	Definition	Advantages	Considerations	Impact	Risks	Contribution	Comparison?
Carbon intensity per sales	This metric expresses the carbon efficiency of a given portfolio by measuring the volume of emissions per GBP of sales generated by the constituents of the portfolio over a year.  Carbon efficiency is best measured using sector-specific production metrics (MWh of power generated, liters of beverage, tons of steel, etc). However, this does not allow to compare between sectors, hence in a portfolio context, the best measure of output is sales.	- Overal operating efficiency indicator at portfolio level - Measures the portfolio carbon efficiency by £ of sales of the portfolio constituents - Allows for comparison between years - Allows for comparison with other portfolios/benchmark	- Minimises the carbon footprint of issuers introducing pricing power bias  - Masks developments in the carbon footprint of the Issuer and the portfolio due to sensitivity to inflation of goods and services  - It may lead to artificially reducing the carbon footprint of companies and portfolios between years and vice versa  - Alone, does not allow for the understanding of the reasons behind evolution in the carbon footprint  - Does not allow the measurement, over time, the portfolio's contribution to international policies relating to reducing global temperatures (Eg, two degrees scenario)		Partially	No	Yes



# Carbon Indicator Definitions 5 of 5

				Use case			
Indicator	Definition	Advantages	Considerations	Impact	Risks	Contribution	Comparison?
Weighted average carbon intensity	\( \subseteq \text{weight in portfolio*(CF/revenue)} \) \[ = t \text{CO2eq/M£ revenue} \] \[ Eg, \( portfolio \) \( composed \( by: \)	- Applicable to diversified portfolios across asset classes, including fixed income  - Measures a portfolio's exposure to carbon intensive companies which can serve as proxy for portfolio's exposure to carbon risks	time, the portfolio's contribution to international policies relating to reducing global temperatures (Eg,	No	Partially	No	Yes