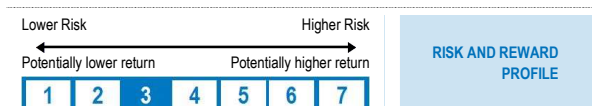


# CANDRIAM SUSTAINABLE BOND GLOBAL

REPORTING 28|02|2022

Share Class: I (EUR)



The risk level shown reflects the fund's historical volatility, completed where applicable by that of its reference framework. The volatility indicates the extent to which the value of the fund may fluctuate upwards or downwards.

- The indicated category may vary over time.
- The historical data give no indication of a future risk profile.
- The lowest category does not mean "risk-free".
- There is no guarantee or mechanism to protect the capital.



Candriam Sustainable Bond Global is in top 32 % percentile (as of 31 December 2021)

MORNINGSTAR SUSTAINABILITY RATING



(1)

SRI Label



**THINK**  
BEFORE PRINTING

**CANDRIAM**  
A NEW YORK LIFE INVESTMENTS COMPANY

PAGES 1 / 10 FOR PROFESSIONAL INVESTORS ONLY

Nota bene: Even if the subfund is awarded the label, it does not mean that the same subfund meets your sustainability objectives or that the label will be compliant with the requirements of future national or European regulations. For further information, please go to [www.fsma.be/fr/finance-durable](http://www.fsma.be/fr/finance-durable).



Gilles Lejeune  
Senior Fund Manager

Years of experience



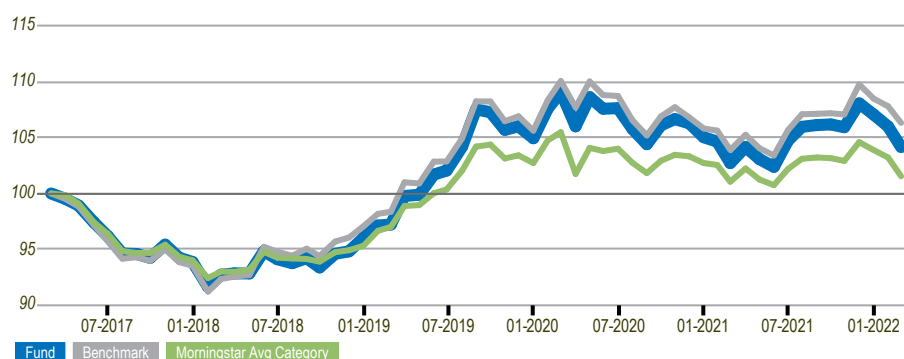
Nicolas Forest  
Global Head of Fixed Income &  
Money Market

## INVESTMENT STRATEGY

Candriam Sustainable Bond Global, a sub-fund of the Candriam Sustainable sicav, invests mainly in fixed or variable income securities, or alike, issued by private and public issuers in various currencies. All issuers in the portfolio do respect the major international norms. Only issues of companies which are, within their sector, best-in-class (top 50%) in terms of integrating social, environmental and corporate governance concerns are eligible. Regarding public issues, only those issued by best-in-class countries (i.e. top 75%) managing well their human, natural and social capital are eligible. The fund's sustainable investment objective is to reduce greenhouse gas emissions whilst also seeking to achieve a long term positive impact on social and environmental dimensions. The investment horizon is 3 years. The fund is managed actively, with reference to the index mentioned on the section "characteristics". For further information about this index and its use, please consult the fund's key investor information document (KIID).

## PERFORMANCE (1)

	1 month	3 months	YTD	1 year	3 years	5 years
<b>Fund</b>	<b>-1.7%</b>	<b>-3.6%</b>	<b>-2.7%</b>	<b>1.4%</b>	<b>7.1%</b>	<b>4.1%</b>
Benchmark	-1.4%	-3.1%	-2.0%	2.3%	8.1%	6.3%
	-0.4%	-0.5%	-0.7%	-0.9%	-1.0%	-2.2%
	2021	2020	2019	2018	3 years annualized	5 years annualized
<b>Fund</b>	<b>1.9%</b>	<b>0.1%</b>	<b>9.3%</b>	<b>2.3%</b>	<b>2.3%</b>	<b>0.8%</b>
Benchmark	2.5%	0.2%	8.8%	3.8%	2.6%	1.2%
	-0.6%	-0.1%	0.5%	-1.5%	-0.3%	-0.4%



(1) Past Performances shown on this page are not an indicator of future performances and are not constant over time. See important disclosures on performance under the section 'warning' in the 'Important Information' on page 4. NAVs are net of fees and are provided by the accounting department and the reference index by official providers.

## FUND CHARACTERISTICS

Inception Date	14/11/2016
Fund Domicile	Luxembourg
Fund Legal Form	SICAV
Benchmark	BC Global Aggregate
Total net assets (M EUR)	407.89
NAV per share cap.(EUR) (C)	1,045.55
Fund Reference Currency	EUR
NAV Calculation	Daily
Morningstar™ Category	EAA Fund Global Bond
ISIN Code (C)	LU1434523285
ISIN Code (D)	LU1434523368
Ticker Bloomberg (C)	CSRBGIA LX Equity
Ticker Bloomberg (D)	CSRBGID LX Equity
Latest Dividend Distributed	-
Dealing Cut Off	D<12:00
Antidilution Mechanisms	Yes
Custodian Bank	CACEIS Bank, Luxembourg Branch
Management Company	Candriam Luxembourg

## STATISTICS

	Funds	Benchmark
Volatility	4.62%	4.55%
Tracking Error	0.92%	-
Sharpe Ratio	0.57	0.64
Number of Issues	328	27,295
Number of Issuers	162	4,235
Modified Duration to Worst	7.99	7.25
Yield to Worst	1.46	1.76
Average Rating	BBB	BB-
Average Spread	47.76	31.07
Credit sensitivity	3.82	3.16
Net IG exposure	85.45%	84.00%
Net HY Exposure	3.78%	0.03%

## ESG ASSESSMENT

Exclusion	Norm based	Positive selection	Integration

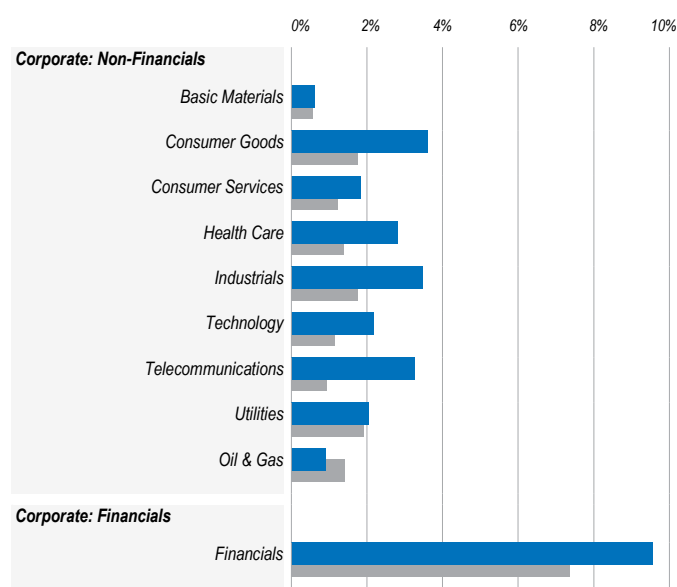
## FEES

<b>C</b>	0.30%	0.42%	-
<b>D</b>	0.30%	0.42%	-
Real Management Fee	Ongoing Charges	Performance Fees	

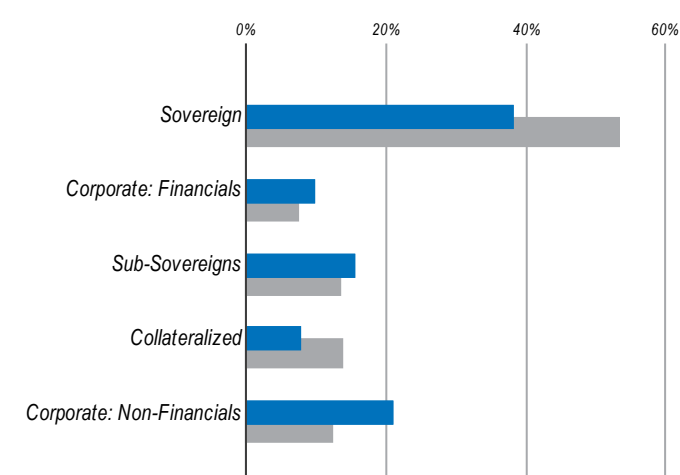
## TOP 10 ISSUERS

		% Fund	Sector	Country	% Active weight
1	UNITED STATES TREASURY NOTE/BOND	6.32	Sovereign	United States	+5.51
2	ITALY BUONI POLIENNALI DEL TESORO	4.28	Sovereign	Italy	+3.95
3	JAPAN GOVERNMENT TWENTY YEAR BOND	4.16	Sovereign	Japan	+3.80
4	EUROPEAN INVESTMENT BANK	4.09	Sovereign	European Union	+4.06
5	BUNDESREPUBLIK DEUTSCHLAND	4.04	Sovereign	Germany	+3.92
6	KREDITANSTALT FUER WIEDERAUFBAU	3.99	Sovereign	Germany	+3.96
7	UNITED KINGDOM GILT	3.66	Sovereign	United Kingdom	+3.14
8	FRENCH REPUBLIC GOVERNMENT BOND OAT	3.25	Sovereign	France	+2.83
9	COOPERATIEVE RABOBANK UA	2.06	Financials	Netherlands	+2.05
10	JAPAN GOVERNMENT THIRTY YEAR BOND	1.97	Sovereign	Japan	+1.84

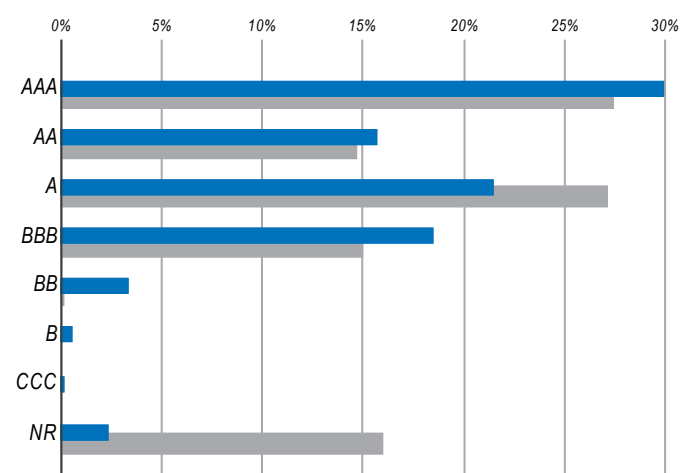
## SECTOR ALLOCATION



## PORTFOLIO COMPOSITION



## RATING ALLOCATION

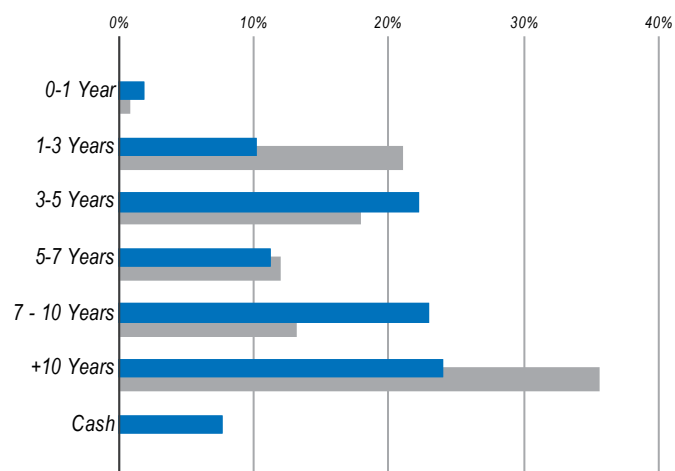


Legend

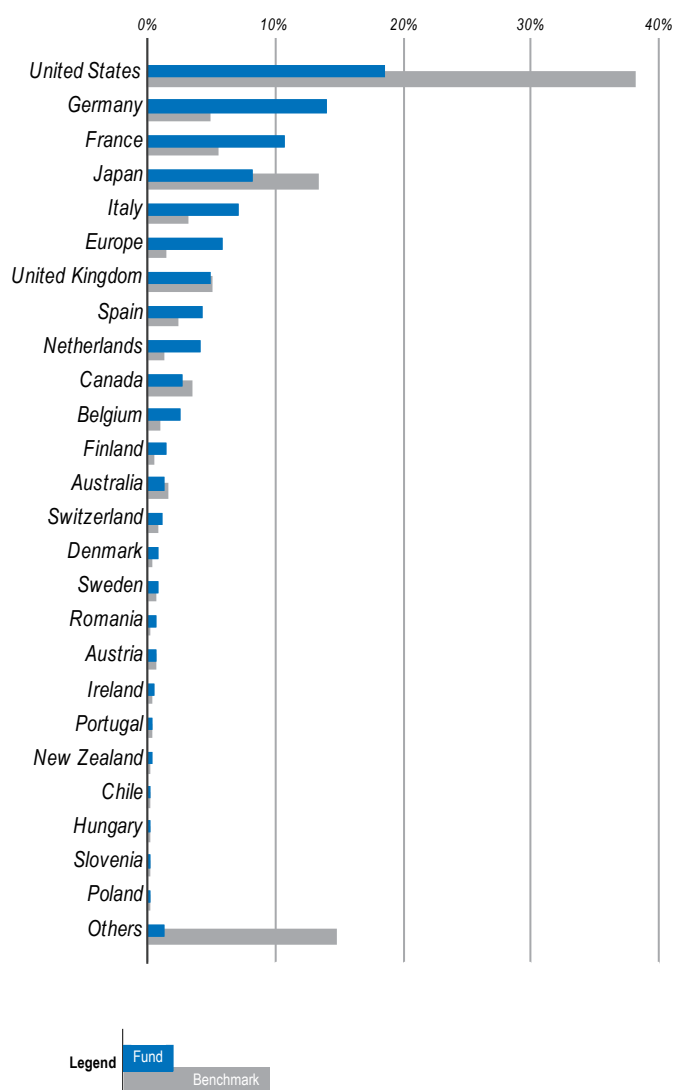
Fund

Benchmark

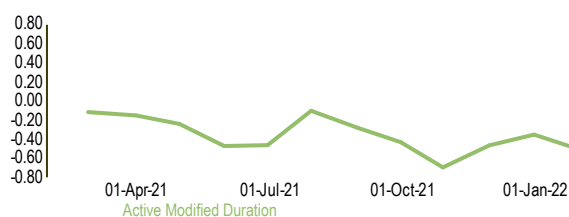
## MATURITY BREAKDOWN



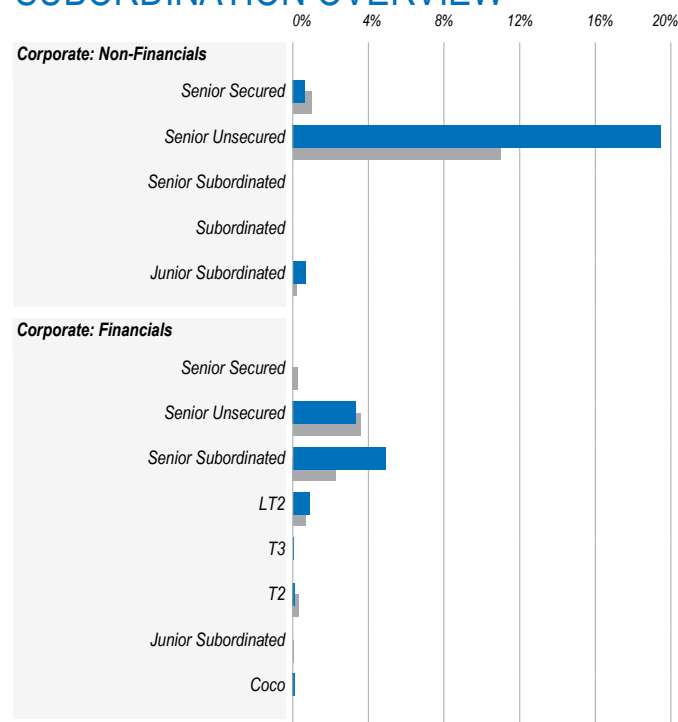
## ALLOCATION BY COUNTRY



## EVOLUTION OF ACTIVE MODIFIED DURATION



## CORPORATE SUBORDINATION OVERVIEW



## SCR

### SOLVENCY CAPITAL REQUIREMENT

-7.20%		3.54%			
SCR Int Rates UP		SCR Int Rates DOWN			
-5.83%		-19.80%		-0.63%	
SCR Spread		SCR Currency		SCR Concentration	
23.41%		22.20%		21.73%	
Duration Liability 3Y		Duration Liability 7Y		Duration Liability 10Y	
-24.71%					
Market SCR					



## GLOSSARY

### ESTER EXPOSURE

The Exposure of a fund is expressed as a percentage of total portfolio holdings, taking into account the leverage of derivative instruments. It represents the amount an investor can lose from the risks unique to a particular investment.

### NET HY EXPOSURE

The Net High Yield Exposure is the percentage difference between a fund's long and short exposures to high yield fixed income instruments, including derivatives. An instrument is considered as a high yield instrument if its credit rating is below BBB-.

### NET IG EXPOSURE

The Net Investment Grade Exposure is the percentage difference between a fund's long and short exposures to investment grade fixed income instruments, including derivatives. An instrument is considered as an investment grade instrument if its credit rating is above or equal to BBB-.

### VOLATILITY\*

The Volatility is the statistical measure of dispersion of returns for a fund around the mean. A higher volatility means that a fund's value can potentially be spread out over a larger range of values and makes the fund a riskier investment.

### RISK AND REWARD PROFILE

The Risk and Reward Profile is defined by the Synthetic Risk Reward Indicator (SRRI), a number on a scale from 1 to 7 based on the fund's volatility (regulatory measure). A rating of 1 represents the lower end of the risk scale with potentially lower rewards available while a rating of 7 reflects higher risk but potentially higher rewards.

### TRACKING ERROR\*

The Tracking Error is a statistical measure of dispersion of the excess returns of the fund around the mean, making it the volatility of the difference between the fund's return and its reference index return. A higher tracking error indicates a higher deviation from the reference index.

### SHARPE RATIO\*

The Sharpe Ratio measures the level of compensation an investment in the fund offered for the risk taken. It is calculated by subtracting the risk-free rate from the return of the fund and dividing that result by the volatility. The higher the Sharpe ratio the better, a negative ratio has no significance other than that the fund underperformed the risk-free rate.

### AVERAGE RATING

The Average Rating is calculated using the Weighted Average Rating Factor (WARF) and is a measure to indicate the credit quality of the fund. The measure aggregates the credit ratings of the fund's holdings into a single rating.

\* based on weekly data over 3 Years (1 year if too little history)

### RISK-FREE RATE

The Risk-Free Rate is the market return on an asset that is considered to have no (or negligible) risk. It will be used for the calculation of risk adjusted returns (e.g. Sharpe Ratio) and it will always be a rate in the performance calculation currency. The most common used rates will be ESTER for EUR denominated performances and FED Fund Rate for USD denominated performances.

### MODIFIED DURATION TO WORST

The Modified Duration is a formula that expresses the measurable change in the value of a fixed income instrument in response to a change in interest rates. The Modified Duration to Worst is calculated taking into account the call date for callable bonds and the scenario that would provide the worst yield to the holders of fixed income instruments. The Modified Duration to Worst for the fund is calculated as the weighted average MDTW of all underlying fixed income instruments.

### YIELD TO WORST

The Yield To Worst (YTW) is the lowest potential yield that can be received on all fixed income instruments in a fund without the issuers actually defaulting. It represents the lowest of all yields computed at each call date for callable bonds. The YTW for the fund is calculated as the weighted average YTW of all underlying fixed income instruments.

### CREDIT SENSITIVITY

The Credit Sensitivity is a formula that expresses the measurable change in the value of a fixed income instrument in response to a change in credit spread. The credit sensitivity for the fund is calculated as the weighted average credit sensitivity of all underlying fixed income instruments.

### AVERAGE SPREAD

The Average Spread for the fund is the weighted average Option-Adjusted Spread (OAS) for all underlying fixed income instruments. The OAS refers to the difference or spread between the fixed income instrument's yield and the swap rate with the same maturity, using a dynamic pricing model that accounts for embedded options.

### RATING

A (credit) Rating is a quantified assessment of the creditworthiness of a borrower. Rating in this report refer to the 2nd best rating, a daily calculated, standardized rating. It is calculated on instrument level, using ratings from 3 worldwide renowned rating agencies. It is the 2nd best rating, unless no more than one rating from one agency exists. NR indicated that none of the rating agencies issued a rating on the instrument.

### NUMBER OF ISSUERS

The Number of Issuers represents the total number of companies in position.

### NUMBER OF ISSUES

The Number of Issues represents the total number of instruments in position.

### REAL MANAGEMENT FEES

The Real Management Fee is the actual percentage charge deducted from the fund's average net assets.

### OCF

The Ongoing Charges Figure (OCF) informs the investor on the total annual cost of investing within the fund and is comprised of all annual charges & other payments.

### PERFORMANCE FEE

The Performance Fee refers to a charge on any returns that the Fund achieves above the reference index. Please refer to the Prospectus for further information.

### ESG ASSESSMENT – EXCLUSION

The Exclusion filter refers to the exclusion of companies involved in harmful or controversial activities. Involvement is assessed using activity-specific revenue-based threshold levels.

### ESG ASSESSMENT – NORMS-BASED

The Norms-Based analysis excludes companies which are in violation of the 10 principles of the United Nations Global Compact (UNGC). These principles cover 4 main categories: Human Rights, Labour Rights, Environment and Anti-Corruption.

### ESG ASSESSMENT – POSITIVE SELECTION

The Positive selection analysis is inclusive, not exclusive. It includes only the companies with the best ESG score, obtained by evaluating their ability to manage the sustainable development issues based on a combination of specific factors material to each sector.

### ESG ASSESSMENT – INTEGRATION

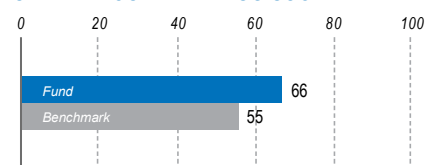
The Integration of ESG factors into investment decisions consists of integrating specific extra-financial factors into the financial valuation or credit assessment of securities. The factors used are selected based on their materiality in the given asset class.

## EXTRA-FINANCIAL REPORTING

Hereinafter Candriam presents a series of sustainability indicators related to the fund and benchmark holdings in companies (equity holdings and/or corporate bond holdings).

## OVERALL SUSTAINABILITY SCORE

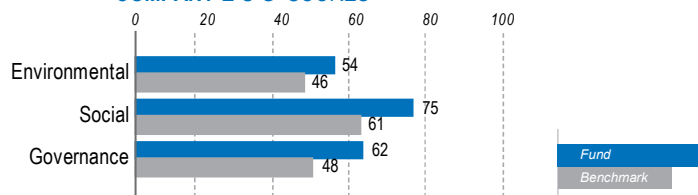
### OVERALL COMPANY ESG SCORE



Score goes from 0 (worst) to 100 (best).

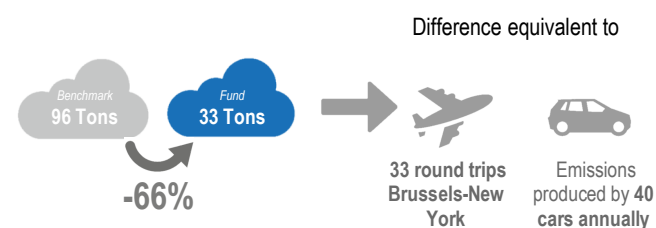
Coverage Rate (Fund/Benchmark): 99.7% / 55.0%

### COMPANY E-S-G SCORES



## COMPANY IMPACT INDICATORS

### CARBON FOOTPRINT

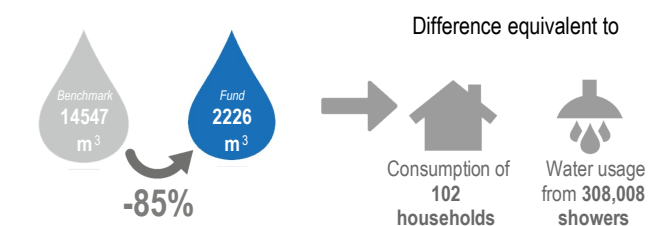


(Tons CO2eq per million € invested in fund/benchmark)

Source: Candriam, Trucost

Coverage Rate (Fund/Benchmark): 97.2% / 53.7%

### WATER CONSUMPTION



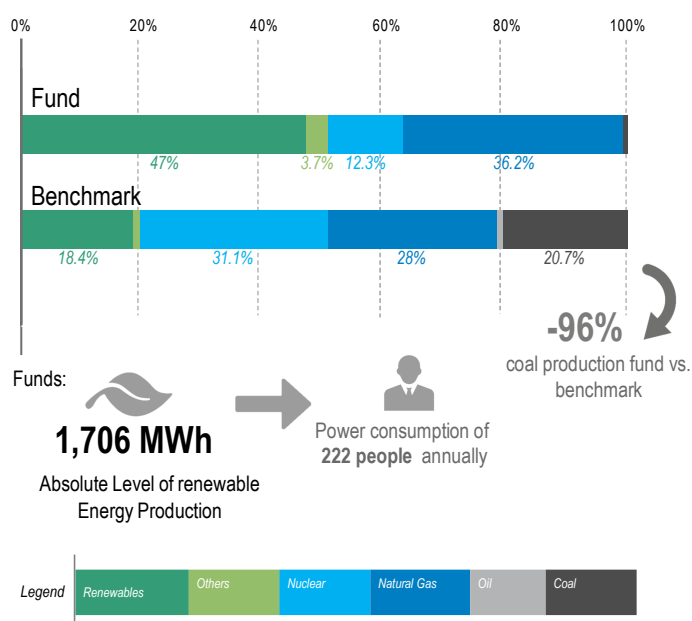
(cubic meter of water per million € invested in fund/benchmark)

Source: Candriam, Trucost

Coverage Rate (Fund/Benchmark): 88.7% / 52.9%

### ENERGY MIX

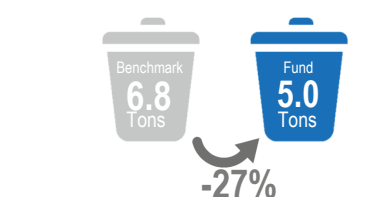
The Energy Mix of a portfolio refers to the mix (percentage-wise) of underlying energy sources used to generate electrical power by the underlying power generation companies within a portfolio.



Source: Candriam, Trucost

Coverage Rate (Fund/Benchmark): 4.0% / 4.3%

### WASTE GENERATION

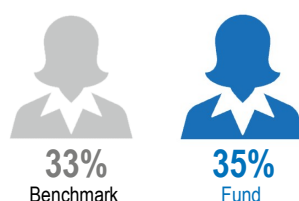


(Tons of waste per million € invested in fund/benchmark)

Source: Candriam, Trucost

Coverage Rate (Fund/Benchmark): 88.7% / 52.9%

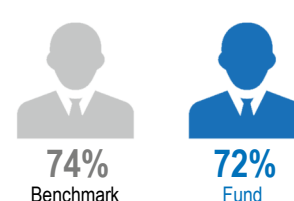
### PERCENTAGE OF WOMEN ON THE BOARD



Source: Candriam, MSCI

Coverage Rate (Fund/Benchmark): 89.9% / 51.3%

### PERCENTAGE OF INDEPENDENT BOARD MEMBERS



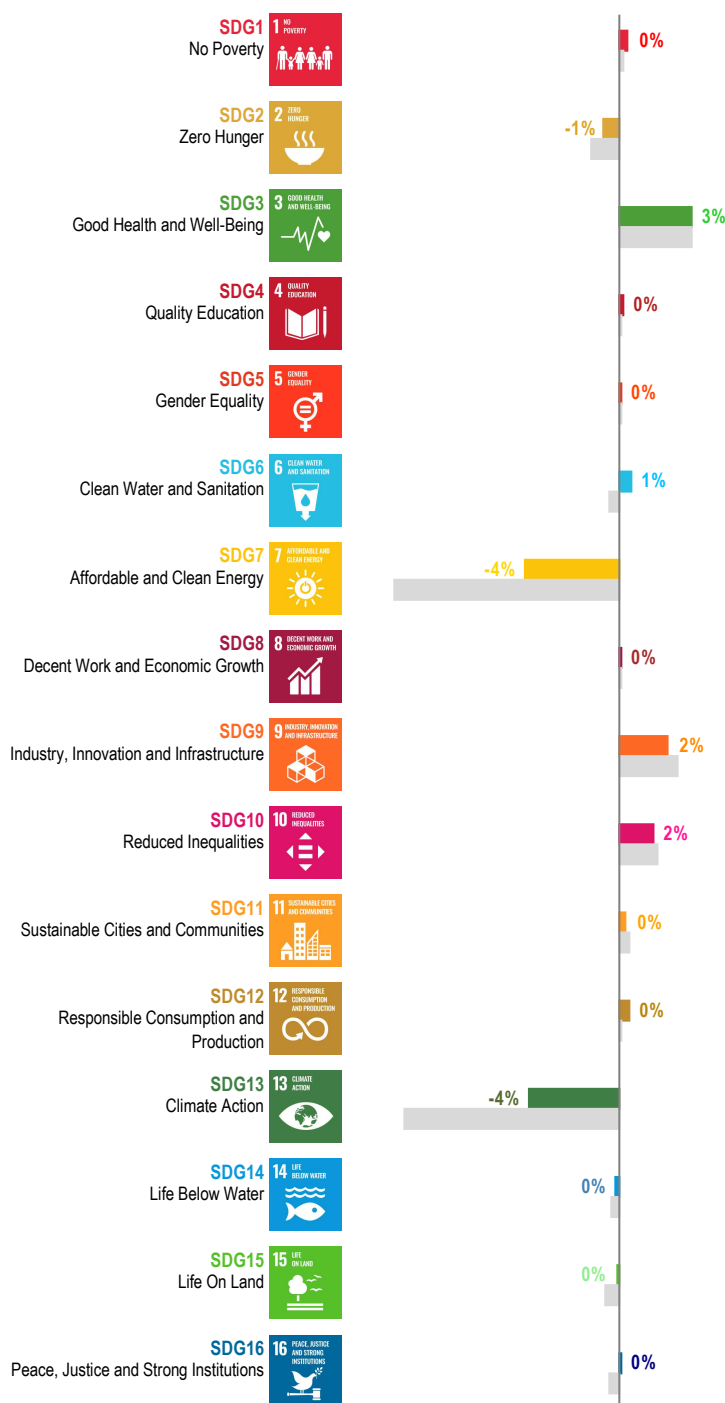
Source: Candriam, ISS-Oekom

Coverage Rate (Fund/Benchmark): 89.9% / 51.2%

## COMPANY CONTRIBUTIONS TO SUSTAINABLE DEVELOPMENT GOALS

The Sustainable Development Goals (SDGs) are a collection of 17 global goals set by the United Nations General Assembly in 2015, to be achieved by year 2030. Through their activities, companies can directly contribute to the achievement of a number of these goals; by means of their employment policies, products and services, governance and by the way they integrate environmental and social goals into their operations. SDG 17 is not included in this table. The purpose of SDG 17 is to support and create partnerships around the first 16 SDGs. Companies are therefore best able to support SDG 17 by contributing to the first 16 SDGs directly.

Weighted Percentage of company revenues contributed to UN SDG on a net basis.



Color

Funds

Benchmark

Source: Candriam, ISS-Oekom  
Coverage Rate (Fund/Benchmark): 88.4% / 52.0%

## TOP 10 SDG CONTRIBUTORS

Company name	Percentage revenue contribution to top SDG	Other important contributions
MEDTRONIC GLOBAL HOLDINGS SCA	100%	3 GOOD HEALTH AND WELL-BEING
TAKEDA PHARMACEUTICAL CO LTD	100%	3 GOOD HEALTH AND WELL-BEING
ASTRAZENECA PLC	100%	3 GOOD HEALTH AND WELL-BEING
AMGEN INC	100%	3 GOOD HEALTH AND WELL-BEING
SHIRE ACQUISITIONS INVESTMENTS IRELAND DAC	100%	3 GOOD HEALTH AND WELL-BEING
DAVITA INC	100%	3 GOOD HEALTH AND WELL-BEING
ELI LILLY & CO	100%	3 GOOD HEALTH AND WELL-BEING
HOLOGIC INC	100%	3 GOOD HEALTH AND WELL-BEING
REGENERON PHARMACEUTICALS INC	100%	3 GOOD HEALTH AND WELL-BEING
CHS/COMMUNITY HEALTH SYSTEMS INC	100%	3 GOOD HEALTH AND WELL-BEING

## SUMMARY COMPANY ESG DATA

Indicator	Metric	Source	Fund	Benchmark
Carbon Footprint	Tons CO2eq/million € invested	Candriam, Trucost	33	96
Carbon Intensity	Tons CO2eq/million € revenues	Candriam, Trucost	82	211
Weighted Average Carbon Intensity	Tons CO2eq/million € revenues	Candriam, Trucost	79	236
Renewable energy production	Total Mwh/h	Candriam, Trucost	1706	1482
Water Consumption	M3 water/million € invested	Candriam, Trucost	2226.22	14546.53
Water intensity	M3 water/million € revenues	Candriam, Trucost	5274	31601
Board gender diversity	Board Gender Diversity	Candriam, MSCI	57%	51%
Board Independence	Percentage independent Board members	Candriam, ISS-Oekom	72%	74%
Biodiversity programmes	Score from 0 to 100 (100 is best)	Candriam, Sustainalytics	90.00	64.00
Employee fatality rate	Score from 0 to 100 (100 is best)	Candriam, Sustainalytics	63.45	60.74
Collective bargaining agreements	Score from 0 to 100 (100 is best)	Candriam, Sustainalytics	59.43	38.84
Bribery & corruption policy	Score from 0 to 100 (100 is best)	Candriam, Sustainalytics	75.87	70.24
Money laundering policy	Score from 0 to 100 (100 is best)	Candriam, Sustainalytics	81.89	70.25

CONTROVERSIAL ACTIVITIES  
NORMS-BASED ANALYSIS

11.1% of companies within the Benchmark are excluded due to Norms-Based analysis and/or controversial activities

**Candriam's Norms-Based Analysis** excludes companies which are in violation of the ten principles of the United Nations Global Compact.

Human Rights	Labour Rights	Environment	Anti-Corruption
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**Candriam controversial activities analysis** excludes companies involved in harmful or controversial activities. The details of Candriam's controversial activity are available on the Management Company's website via the link:  
<https://www.candriam.com/en/professional/market-insights/sri-publications>



## GLOSSARY

### COMPANY CARBONFOOTPRINT METRICS

Carbon Footprint Metrics of an investment portfolio refers to measurement of greenhouse gas (GHG) emissions by summing the proportional GHG emissions of the underlying holdings, proportional to the share of ownership.

tCO<sub>2</sub>-eq: Carbon dioxide (CO<sub>2</sub>) is the most common GHG emitted by human activities, in terms of the quantity released and the total impact on global warming. As a result the term "CO<sub>2</sub>" is sometimes used as a shorthand expression for all greenhouse gases. A portfolio's carbon footprint is measured in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>-eq) which allows to bundle the various greenhouse gas emissions in a single number. For any quantity and type of greenhouse gas, CO<sub>2</sub>-eq signifies the amount of CO<sub>2</sub> which would have the equivalent global warming impact.

Scope 1, 2 and 3: The international GHG Protocol classifies a company's GHG emissions into three 'scopes':

- Scope 1 emissions are direct emissions from owned or controlled sources
- Scope 2 emissions are indirect emissions from the generation of purchased energy
- Scope 3 emissions are all indirect emissions (not included in scope 2) that occur in the value chain of the reporting company, including both upstream and downstream emissions

All Carbon Footprint Metrics analysed in this report are based on both Scope 1 and Scope 2 data sourced from the specialist data-provider "Trucost". Good quality Scope 3 data currently does not exist because of the complexity to measure and control upstream and downstream value chain data. That also entails that so-called 'avoided emissions' are excluded from the Carbon Footprinting analytics.

Carbon Footprint Metrics: One can distinguish between four Carbon Footprint Metrics:

- (1) Total Carbon Emissions
- (2) (Normalized) Carbon Emissions
- (3) (Normalized) Carbon Intensity
- (4) Weighted Average Carbon Intensity (WACI)

(1) Total Carbon Emissions: measures the total GHG emissions of a portfolio in the most literal sense by summing all the GHG emissions of the underlying holdings, proportional to the share of ownership. The dependence of this measure to a portfolio's specific size makes this metric of limited usefulness for benchmarking and comparison purposes.

(2) (Normalized) Carbon Emissions: measures the asset weighted carbon emissions of a portfolio normalized per million \$ invested (expressed in tCO<sub>2</sub>-eq / million \$ invested).

(3) (Normalized) Carbon Intensity: measures the asset weighted carbon emissions of a portfolio normalized per million \$ of revenue (expressed in tCO<sub>2</sub>-eq / million \$ revenues). This metric provides an indication of the amount of GHG emitted by the holdings in a portfolio to generate 1 million \$ of revenue.

(4) The Weighted Average Carbon Intensity (WACI) is the sum product of the portfolio's holdings weights and Carbon Intensities, where holdings' Carbon Intensities are calculated as the company's total carbon emissions divided by the company's total revenues.

### CARBON EMISSIONS SAVINGS

The "difference equivalent to" compares to the equivalent emissions from both commercial flights and family cars. For commercial flights, it is expressed in the number of return-flights from Brussels to New York in economy class. For family cars, it is expressed in the number of cars based on 13 000 km per year by cars emitting 120g CO<sub>2</sub> per km on average (Source: Eurostat).

### WATER CONSUMPTION

Measures the asset weighted water consumption of a portfolio normalized per million \$ invested (expressed in cubic meters water / million \$ invested). Data sourced from "Trucost", does not include the supply of drinkable water and the wastewater that enters in the company's facility to be treated.

The "difference equivalent to" compares to the equivalent consumption from both the average household and number of showers. For households, it assumes an average daily consumption of 144 litres per person with 2.3 person per household. For showers, it assumes an average consumption of 40 litres per shower.

### WATER INTENSITY (M3/MIO USD REVENUES)

Measures the asset weighted water consumption of a portfolio normalized per million \$ of revenue (expressed in cubic meters water / million \$ revenues). This metric provides an indication of the amount of water consumed by the companies in a portfolio to generate 1 million \$ of revenue. Data sourced from "Trucost", does not include the supply of drinkable water and the wastewater that enter in the company's facility to be treated.

### WASTE GENERATION

Measures the asset weighted waste production of a portfolio normalized per million \$ invested (expressed in tons of waste / million \$ invested). Data sourced from "Trucost", waste production data includes landfill waste, incinerated waste and nuclear waste.

### ABSOLUTE LEVEL OF RENEWABLE ENERGY PRODUCTION

Measures the absolute level (i.e. not asset-weighted) of Renewable Energy Production within the Fund, expressed in MWh.

### TOP 10 SDG CONTRIBUTORS

Top 10 companies held in the Fund with the highest net contribution to a single SDG, independent from the size of the position in the Fund.

### BIODIVERSITY PROGRAMS

This indicator provides an assessment of the quality of biodiversity protection programmes within the underlying companies of a portfolio.

### MONEY LAUNDERING POLICY

This indicator provides an assessment of the quality of anti-money laundering policies within the underlying companies of a portfolio.

### BRIBERY CORRUPTION POLICY

This indicator provides an assessment of the quality of anti-bribery and -corruption policies within the underlying companies of a portfolio.

### COLLECTIVE BARGAINING AGREEMENTS

This indicator provides an assessment of the extent that company's employees are covered by collective bargaining agreements within the underlying companies of a portfolio.

### PERCENTAGE OF WOMEN ON THE BOARD

Asset weighted Percentage of Female Board Members at the companies held in portfolio.

### BOARD INDEPENDENCE

Asset weighted Percentage of Independent Board Members at the companies held in portfolio.

### EMPLOYEE FATALITY RATE

This indicator provides an assessment of the company's fatality rate in the last three years within the underlying companies of a portfolio.

### NORMS-BASED ANALYSIS

Candriam's Norms-Based Analysis excludes companies which are violation of the ten principals of the United Nations Global Compact.

### CONTROVERSIAL ACTIVITIES

Candriam's Controversial Activities Analysis excludes companies involved in harmful or controversial activities. Involvement is assessed using activity-specific revenue-based threshold levels.

### COVERAGE RATE (FUND/INDEX)

The coverage rate indicates the percentage of holdings within the Fund or within the Reference Index for which the relevant ESG data is available and analysed.

## IMPORTANT DISCLOSURES

This reporting is issued by the relevant Management Company of the group Candriam explicitly mentioned above.

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