

## A sustainable solution to tackle environmental challenges .

DASHBOARD AS AT 31.01.2023

Asset Class	Benchmark	No. of Holdings	Fund Size (EUR millions)
Fixed Income	Composite Benchmark*	285	1,306
Risk Indicator	YTD Performance (1)	3-year Annualised Perf. (2)	
1 2 3 4 5 6 7	2.61 % Benchmark 2.65 %	-6.21 % Benchmark -5.92 %	

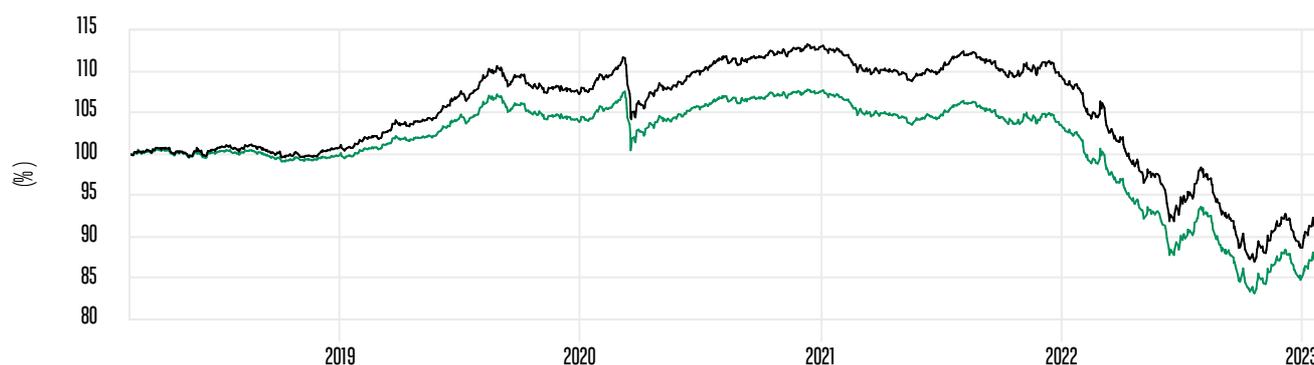
\* Bloomberg Barclays MSCI Global Green Bond Index (Hedged in EUR) (RI)

(1) All figures net of fees (in EUR).

(2) Based on 360 days

**OPPORTUNITY:** THE PERFECT FINANCIAL VEHICLE TO SUPPORT LOW-CARBON AND CLIMATE RESILIENT DEVELOPMENT

Climate change has brought about new demand for exciting and innovative ways to invest responsibly to command sustainability. The green bond market is expanding at an accelerating rate and is now sufficiently diversified to offer investors a real investment solution. Green bonds are one of the best ways to favor activities with low greenhouse gas emissions and support low-carbon and climate-resilient development.

**PERFORMANCE** (CUMULATIVE OVER 5 YEARS) (EUR) (NET)**Cumulated Performance** at 31.01.2023 (%)

	YTD	1 Month	3 Months	6 Months	1 Year	2 Years	3 Years	4 Years	5 Years
● FUND	2.61	2.61	2.52	-6.78	-14.49	-18.60	-17.74	-13.43	-13.27
● BENCHMARK	2.65	2.65	2.63	-7.10	-15.28	-18.99	-16.96	-10.51	-9.38

**Calendar Performance** at 31.01.2023 (%)

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
● FUND	-18.10	-3.74	3.53	4.10	-1.51	-	-	-	-	-
● BENCHMARK	-18.98	-3.11	5.31	6.51	-0.72	-	-	-	-	-

(1) All figures net of fees (in EUR). The value of your investments may fluctuate. Past performance is no guarantee for future results.

Source: BNP Paribas Asset Management

## HOLDINGS: % OF PORTFOLIO

Main Holdings (%)		by Country (%)		Against Benchmark
CANADA (GOVERNMENT OF) 2.25 PCT	3.56	France	16.98	+ 3.36
KFW 0.88 PCT 15-SEP-2026	2.59	Germany	13.05	- 2.13
FRANCE (REPUBLIC OF) 0.50 PCT 25-JUN-2044	2.43	Netherlands	11.56	+ 4.21
EUROPEAN INVESTMENT BANK 2.38 PCT	2.16	Supranational	10.01	+ 0.91
BELGIUM KINGDOM OF (GOVERNMENT) 1.25	1.99	Spain	9.06	+ 4.32
GERMANY (FEDERAL REPUBLIC OF) 0.00 PCT	1.90	Italy	6.02	+ 1.93
BNPP MOIS ISR I C	1.76	Canada	5.29	+ 1.46
NATWEST GROUP PLC 2.06 PCT 09-NOV-2028	1.56	United States	4.70	- 4.05
TOYOTA MOTOR CREDIT CORP 2.15 PCT	1.51	Belgium	3.76	+ 1.58
INTL BANK FOR RECONSTRUCT 2.13 PCT	1.44	Sweden	3.05	+ 0.78
<b>No. of Holdings in Portfolio</b>	<b>285</b>	Forex contracts	0.10	+ 0.10
		Other	15.55	- 13.35
		Cash	0.87	+ 0.88
		<b>Total</b>	<b>100.00</b>	

by Rating (%)		by Currency (%)		Against Benchmark
AAA	28.18	CAD	0.01	+ 0.00
AA+	4.11	EUR	99.68	- 0.33
AA	6.62	GBP	0.41	+ 0.41
AA-	7.62	AUD	0.09	+ 0.09
A	7.12	Other	-0.18	- 0.17
A-	10.36	<b>Total</b>	<b>100.00</b>	
BBB+	11.48			
BBB	12.91			
BBB-	4.78			
Other	5.84			
Forex contracts	0.10			
Cash	0.87			
<b>Total</b>	<b>100.00</b>			

Source of data: BNP Paribas Asset Management, as at 31.01.2023

Sources: Fitch, Moody's, S&P. Ratings lower than BBB- refer to high-yield or speculative-grade bonds.

The above mentioned securities are for illustrative purpose only and do not constitute any investment recommendation.

The data as shown in the factsheets are based on official accounting data and are based on trade date.



## SUSTAINABLE INDICATORS

ESG global score

**78.99**

Benchmark : 72.38

## ESG CONTRIBUTION

	Environmental contrib.	Social contrib.	Governance contrib.
Portfolio	23.03	3.82	2.28
Benchmark	18.68	2.65	1.17

## CARBON FOOTPRINT

	T/Co2 per M€ per year
Portfolio	1.34
Benchmark	42.55

## PORTFOLIO COVERAGE

	Coverage rate
ESG coverage	100.00 %
Carbon footprint coverage	92.26 %

## Total ESG score

BNPP AM's internal ESG scoring methodology determines an issuer's ESG score by evaluating performance vs. scoring peers on a narrow set of key ESG issues related to the environment (e.g. climate change), social issues (e.g. human resources management) and governance (e.g. independence and competence of directors). BNPP AM uses numerous research inputs and data sources (e.g. Sustainalytic, ISS & Trucost) to determine issuers' ESG scores. If the issuer's commitments and practices on a pillar of assessment (E,S or G) is better than scoring peers, it will receive a positive 'contribution' for this pillar. Each issuer is assigned a final score from 1 to 99 which is the result of 50 as a reference plus the sum of the contributions from each of the three pillars.

## ESG Contribution

The ESG contributions are determined by BNP Paribas Asset Management's ESG analysts on the basis of detailed criteria to systematically evaluate companies' commitments and practices in the areas of environmental, social and governance. Each of the above contributions at the portfolio level, is the weighted average of the contributions of the individual portfolio holdings. Environmental Contribution (E) takes into account, among other things, climate change, environmental risk management, and the use of natural resources. Social Contribution (S) takes into account, among other things, human capital management, the quality of social dialogue, and the respect of diversity. Governance Contribution (G) takes into account, among other things, the transparency on executive compensation, the fight against corruption, and gender equality.

## Carbon footprint

The portfolio or benchmark carbon footprint is the sum of companies' carbon emissions divided by companies' Enterprise Value multiplied by the weight of companies in the portfolio or the benchmark. Carbon emissions are the sum of Scope 1 emissions (direct emission from the company's facilities) & Scope 2 emissions (indirect emissions linked to the company's energy consumption). Carbon data provider is Trucost. The footprint is expressed in tons of CO2 equivalent per year and per million euros invested. Enterprise Value (EV) is the measure of a company's total value. It is calculated by adding the market capitalization and the financial debt of a company.

## Portfolio Coverage

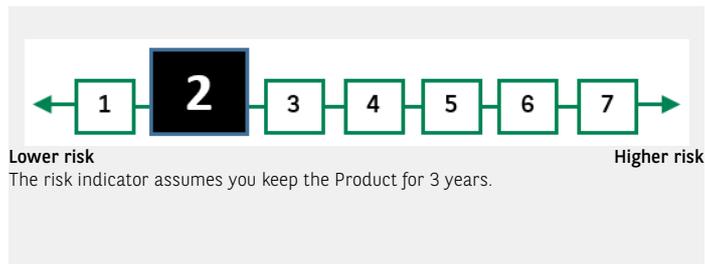
The coverage represents, within a portfolio or benchmark or ESG benchmark, the percentage of securities that have an ESG score or carbon footprint within those that are eligible to have an ESG score or carbon footprint using BNPP AM's internal methodology. Non-eligible securities include, but are not limited to cash.

For more information on ESG indicators, please refer to BNPP AM's webpage : <https://www.bnpparibas-am.com/en/esg-scoring-framework/> & <https://www.bnpparibas-am.com/en/measuring-carbon-footprints/>



## RISK

## Risk Indicator



## Risk Analysis (3 years, monthly)

## Fund

Volatility	6.95
Ex-post Tracking Error	0.77
Information Ratio	-0.38
Sharpe Ratio	-0.89
Modified Duration (31.01.2023)	6.39
Yield to Maturity (31.01.2023)	3.18
Average coupon	1.66

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 Product as 2 out of 7, which is a low risk class.

**Be aware of currency risk.** If the currency of your account is different from the currency of this Product, the payments you will get depend on the exchange rate between the two currencies. This risk is not considered in the indicator shown above.

Other risks materially relevant to the Product not included in the summary risk indicator:

- **Credit Risk:** This risk relates to the ability of an issuer to honour its commitments: downgrades of an issue or issuer rating may lead to a drop in the value of associated bonds.
- **Operational and Custody Risk:** Some markets are less regulated than most of the international markets; hence, the services related to custody and liquidation for the subfund on such markets could be more risky.

For additional details regarding the risks, please refer to the prospectus.

## DETAILS

Fees		Key Figures (EUR)		Codes	
Maximum Subscription Fee	3.00%	NAV	84.92	ISIN Code	LU1620156999
Maximum Redemption Fee	0.00%	12M NAV max. (02.02.22)	99.23	Bloomberg Code	PARGBCC LX
Maximum conversion Fees	1.50%	12M NAV min. (21.10.22)	81.16		
Real Ongoing Charges (02.12.21)	0.98%	Fund Size (EUR millions)	1,306.16		
Estimated ongoing charges (31.12.22)	0.98%	Initial NAV	100.00		
Maximum Management Fees	0.75%	Periodicity of NAV Calculation	Daily		

## Characteristics

Legal form	Sub-fund of SICAV BNP PARIBAS FUNDS Luxembourg domicile
Dealing Deadline	16:00 CET STP (12:00 CET NON STP)
Recommended Investment Horizon	3
Benchmark	Bloomberg Barclays MSCI Global Green Bond Index (Hedged in EUR) (RI)
Domicile	Luxembourg
First NAV date	07.09.2017
Fund Manager(s)	Arnaud-Guilhem LAMY
Management Company	BNP PARIBAS ASSET MANAGEMENT Luxembourg
Delegated Manager	BNP PARIBAS ASSET MANAGEMENT UK Limited
Delegated Manager	BNP PARIBAS ASSET MANAGEMENT France
Custodian	BNP PARIBAS, Luxembourg Branch
Base Currency	EUR
Subscription/execution type	NAV + 1
SFDR article	Article 9 - Sustainable investment objective



## GLOSSARY

### Ex-post Tracking Error

The tracking error measures the volatility of a portfolio's relative return in relation to its benchmark index.

### Information Ratio

The information ratio is a risk-adjusted return that measures the relationship between the portfolio's tracking error and its relative return compared with the benchmark index (called active return).

### Modified Duration

A measure of a bond's sensitivity to changes in interest rates. The longer the remaining term to maturity, the more bond prices react to a change in interest rates, and the higher the duration. The rule is that if the yield rises or falls by 1%, the value of the bond will fluctuate by 1% x duration.

### Sharpe Ratio

A measure for calculating risk-adjusted return. It indicates the return earned in excess of the risk-free rate per unit of risk. It is calculated by dividing the difference between the return and the risk-free rate by the standard deviation of the return on the investment. The Sharpe ratio indicates whether the excess return was obtained thanks to good investment management or by taking additional risk. The higher the ratio, the better the risk-adjusted return.

### Volatility

An asset's volatility is the standard deviation of its return. As a measure of dispersion, it evaluates the uncertainty of asset prices, which is often equated to their risk. Volatility can be calculated ex post (retrospectively) or estimated ex ante (anticipatively).

### YTM (Yield to Maturity)

A yield calculation that takes into account the relationship between a security's maturity value, time to maturity, current price, and coupon yield.

### Arithmetic Mean Rating

Weighted average of rating values from the agencies Fitch, Moody's and Morningstar present in the fund.

A glossary of financial terms appearing on this document can be found at <http://www.bnpparibas-am.com>

## DISCLAIMER

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