

## Investing across the rapidly growing water value chain

DASHBOARD AS AT 30.12.2022

Asset Class	Benchmark	No. of Holdings	Fund Size (EUR millions)
Equity	MSCI World (EUR) NR	50	3,439
Risk Indicator	YTD Performance (1)	3-year Annualised Perf. (2)	
<div style="display: flex; justify-content: space-between; width: 100%;"> <span>1</span> <span>2</span> <span>3</span> <span>4</span> <span>5</span> <span style="background-color: black; color: white; padding: 2px;">6</span> <span>7</span> </div>	-18.72 % Benchmark -12.78 %	5.64 % Benchmark 6.63 %	

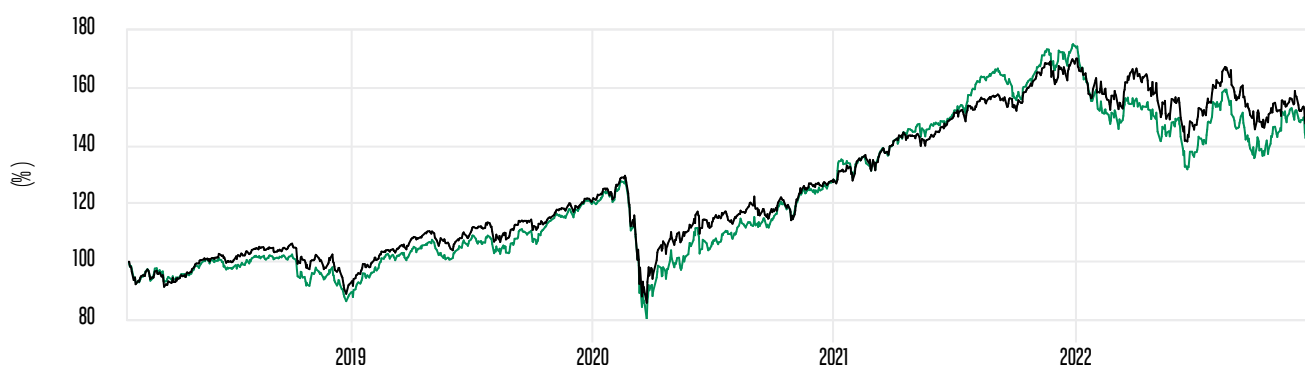
(1) All figures net of fees (in EUR).

(2) Based on 360 days

**OPPORTUNITY:** DEMAND FOR WATER IS GROWING, SUPPLY IS NOT

Population growth, urbanisation and rising living standards are leading to increased water consumption. Demand is expected to grow between 8% and 10% over the next 20 years, yet water is a scarce resource\*. We believe increased demand will drive long-term growth. This fund invests in shares issued by international businesses whose activities are related to water.

\*Source : International Water Management Institute/IWRA.

**PERFORMANCE** (CUMULATIVE OVER 5 YEARS) (EUR) (NET)**Cumulated Performance** at 30.12.2022 (%)

	YTD	1 Month	3 Months	6 Months	1 Year	2 Years	3 Years	4 Years	5 Years
● FUND	-18.72	-6.41	4.09	4.15	-18.72	10.52	18.16	58.53	42.66
● BENCHMARK	-12.78	-7.62	0.76	0.87	-12.78	14.32	21.56	58.05	51.56

**Calendar Performance** at 30.12.2022 (%)

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
● FUND	-18.72	35.97	6.91	34.17	-10.01	10.60	11.90	-	-	-
● BENCHMARK	-12.78	31.07	6.33	30.02	-4.11	7.50	10.70	-	-	-

(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
VEOLIA ENVIRON. SA	4.02	United States	49.57	- 18.15
AGILENT TECHNOLOGIES INC	3.81	United Kingdom	13.95	+ 10.14
AMERICAN WATER WORKS INC	3.78	Switzerland	6.66	+ 3.64
LINDE PLC	3.23	Japan	4.32	- 1.94
IDEX CORP	3.02	Netherlands	4.02	+ 2.52
A O SMITH CORP	2.99	France	4.02	+ 0.73
ESSENTIAL UTILITIES INC	2.91	Sweden	2.32	+ 1.44
GEORG FISCHER AG	2.91	Austria	1.95	+ 1.87
PENTAIR PLC	2.90	Denmark	1.82	+ 0.98
SEVERN TRENT PLC	2.71	Canada	1.77	- 1.60
<b>No. of Holdings in Portfolio</b>	<b>50</b>	Forex contracts	0.01	+ 0.01
		Other	7.19	- 2.04
		Cash	2.42	+ 2.42
		<b>Total</b>	<b>100.00</b>	

by Sector (%)		Against Benchmark
Industrials	51.04	+ 40.36
Utilities	20.09	+ 16.89
Materials	12.20	+ 7.71
Health care	5.44	- 9.11
Information technology	5.10	- 15.07
Consumer discretionary	3.71	- 6.28
Consumer staples	-	- 7.91
Communication services	-	- 6.37
Energy	-	- 5.66
Financials	-	- 14.32
Forex contracts	0.01	+ 0.01
Other	-	- 2.67
Cash	2.42	+ 2.42
<b>Total</b>	<b>100.00</b>	

Source of data: BNP Paribas Asset Management, as at 30.12.2022

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

**61.08**

Benchmark : 56.04

## ESG CONTRIBUTION

	Environmental contrib.	Social contrib.	Governance contrib.
Portfolio	2.44	5.05	3.58
Benchmark	3.08	2.40	0.56

## PORTFOLIO COVERAGE

	Coverage rate
ESG coverage	100.00 %

## 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

This fund possesses a more detailed impact report. Please refer to the dedicated fundpage on BNP Paribas Asset Management's website for additional information.

## 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.

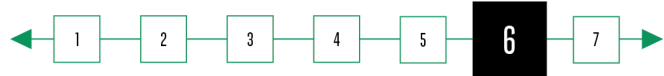
For more information on ESG indicators, please refer to BNPP AM's webpage : <https://www.bnpparibas-am.com/en/esg-scoring-framework/> & <https://www.bnpparibas-am.com/en/measuring-carbon-footprints/>



## RISK

## Risk Indicator

The risk and reward indicator for this fund is:



Lower risk typically=lower reward

Higher risk typically=higher reward

1: lowest risk ; 7: highest risk ; SRRI: Synthetic Risk and Reward Indicator. The higher the risk, the longer the investment horizon is recommended

## Risk Analysis (3 years, monthly)

	Fund
Volatility	20.82
Ex-post Tracking Error	7.12
Information Ratio	-0.14
Sharpe Ratio	0.29
Alpha	-1.05
Beta	1.08
R <sup>2</sup>	0.89

The investments in the funds are subject to market fluctuations and the risks inherent in investments in securities. The value of investments and the income they generate may go down as well as up and it is possible that investors will not recover their initial outlay, the fund described being at risk of capital loss.

Why is the Fund in this specific category?

The risk category is justified by the investment mainly in Stocks and Shares, the value of which can fluctuate considerably. These fluctuations are often amplified in the short term.

This fund may be exposed to other risks, listed below :

- **Liquidity Risk:** This risk arises from the difficulty of selling an asset at a fair market price and at a desired time due to lack of buyers.
- **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.
- **Risk related to investments in Mainland China:** Such investments are subject to additional risks that may be the result of political, economic, social, tax, market and operational factors specific to the Chinese Market.

## DETAILS

Fees		Key Figures (EUR)		Codes	
Maximum Subscription Fee	0.00%	NAV	174.15	ISIN Code	LU1165135796
Maximum Redemption Fee	3.00%	12M NAV max. (04.01.22)	213.96	Bloomberg Code	PAAQUAN LX
Maximum conversion Fees	1.50%	12M NAV min. (20.06.22)	161.99		
Real Ongoing Charges (31.10.21)	2.98%	Fund Size (EUR millions)	3,438.76		
Maximum Management Fees	1.75%	Initial NAV	100.00		
		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	5
Benchmark	MSCI World (EUR) NR
Domicile	Luxembourg
First NAV date	16.07.2015
Fund Manager(s)	Hubert AARTS, Justin Winter
Management Company	BNP PARIBAS ASSET MANAGEMENT Luxembourg
Delegated Manager	IMPAX ASSET MANAGEMENT LTD
Delegated Manager	BNP PARIBAS ASSET MANAGEMENT UK Limited
Custodian	BNP PARIBAS, Luxembourg Branch
Base Currency	EUR
Subscription/execution type	NAV + 1
SFDR article	Article 9 - Sustainable investment objective



## GLOSSARY

### Alpha

Alpha is an indicator used to measure the value added by an active portfolio manager relative to a passive exposure to a benchmark. A positive alpha expresses an outperformance whereas a negative alpha indicates an underperformance. A simple way to calculate alpha is to subtract a portfolio's expected return (based on the benchmark's performance adjusted with the beta of the portfolio, see Beta definition for further details). For instance, an alpha of 0.50 means that the portfolio outperformed the market-based return (benchmark's performance adjusted from the Beta exposure of the portfolio) by 0.50%.

### Beta

Beta is a measure of portfolio market risk, the market being represented by financial indices (such as MSCI World) that are consistent with the portfolio's guidelines. It measures the sensitivity of portfolio performance to the performance of the market. For example a beta of 1.5 means the portfolio will move by 1.5% for a market performance of 1%. Mathematically, it is the correlation between the portfolio and the market multiplied by their ratio of volatilities.

### 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).

### R<sup>2</sup>

The Correlation Coefficient indicates the strength and direction of a linear relationship between fund performance and benchmark. The coefficient is an element of [-1,1], where 1 equals a perfectly correlated increasing linear relationship, -1 equals a perfectly correlated decreasing linear relationship, and 0 means that there is no linear correlation.

### 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.

### Tracking Error

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

### 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).

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

## DISCLAIMER

BNP Paribas Asset Management Luxembourg SA, a management company governed by chapter 15 of the law of 17 December 2010 and an alternative investment fund manager governed by the law of 12 July 2013 supervised by the Commission de Surveillance du Secteur Financier (CSSF) under number S00000608 and A00000763 respectively, incorporated under the form of a société anonyme, with its registered office at 10, rue Edward Steichen, L-2540 Luxembourg, Grand-Duchy of Luxembourg, RCS Luxembourg B27605, and its Website: [www.bnpparibas-am.com](http://www.bnpparibas-am.com) (hereafter the "Company").

This material is issued and has been prepared by the management company. It contains opinions and statistical data that are considered lawful and correct on the day of their publication according to the economic and financial environment at the time. This document does not constitute investment advice or form part of an offer or invitation to subscribe for or to purchase any financial instrument(s) nor shall it or any part of it form the basis of any contract or commitment whatsoever.

This document is provided without knowledge of an investors' situation. Prior to any subscription, investors should verify in which countries the financial instruments referred to in this document refers are registered and authorised for public sale. In particular financial instruments cannot be offered or sold publicly in the United States. Investors considering subscriptions should read carefully the most recent prospectus and Key Investor Information Document (KIID) agreed by the regulatory authority, available on the website. Investors are invited to consult the most recent financial reports, which are also available on the website. Investors should consult their own legal and tax advisors prior to investing. Given the economic and market risks, there can be no assurance that the financial instrument(s) will achieve its investment objectives. Their value can decrease as well as increase. In particular, changes in currency exchange rates may affect the value of an investment. Performance is shown net of management fees and is calculated using global returns with time factored in, with net dividends and reinvested interest, and does not include inscription redemption fees, exchange rate fees or tax. Past performance is not a guarantee of future results.

All information referred to in the present document is available on [www.bnpparibas-am.com](http://www.bnpparibas-am.com)

