

# DNCA INVEST BEYOND ALTEROSA

FLEXIBLE ASSET SRI



## Investment objective

The Sub-Fund seeks to outperform the 30% MSCI World All Countries World Net Return + 70% Bloomberg Barclays Pan European Corporate Euro Hedged Index, calculated with dividends reinvested, over the recommended period. Investors' attention is drawn to the fact that the management style is discretionary and integrates environmental, social / societal and governance (ESG) criteria. The Sub-Fund is managed taking into consideration Responsible and Sustainable principles and has as its objective sustainable investment within the meaning of Article 9 of SFDR. The Sub-Fund is managed taking into consideration responsible and sustainable principles and aims to be target issuers with a significantly exposure of percentage or their revenues to the 17 Sustainable Development Goals of the United Nations.


To achieve its investment objective, the investment strategy is based on active discretionary management.

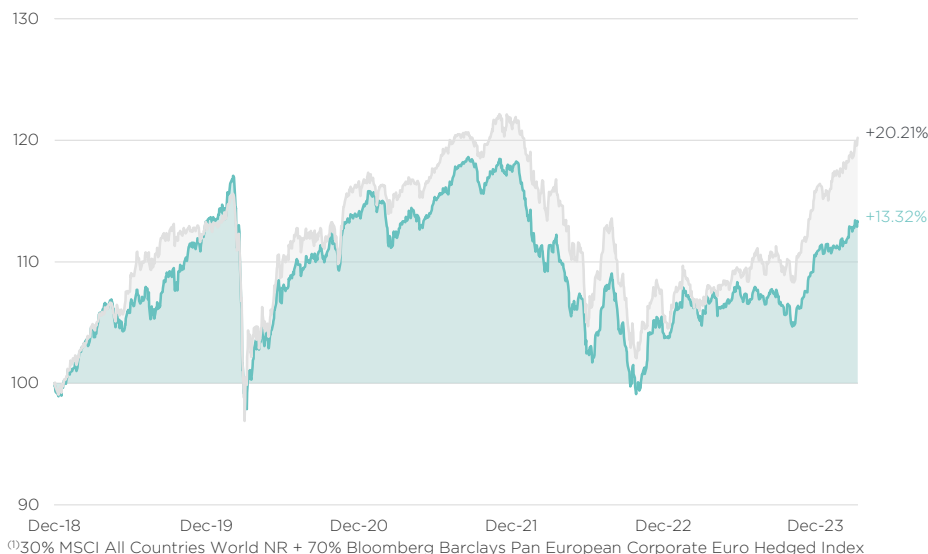
## Financial characteristics

NAV (€)	113.32
Net assets (€M)	166
Number of equities holdings	29
Price to Earning Ratio 2024 <sup>e</sup>	23.6x
Price to Book 2023	3.7x
EV/EBITDA 2024 <sup>e</sup>	14.2x
ND/EBITDA 2023	1.6x
Free Cash Flow yield 2024 <sup>e</sup>	2.60%
Dividend yield 2023 <sup>e</sup>	1.31%
Number of issuers	68
Average modified duration	2.91
Net modified duration	2.11
Average maturity (years)	3.78
Average yield	4.54%
Average rating	BB+

## Performance (from 17/12/2018 to 28/03/2024)

Past performance is not a guarantee of future performance

DNCA INVEST BEYOND ALTEROSA (N Share) Cumulative performance  Reference Index<sup>(1)</sup>



## Annualised performances and volatilities (%)

	1 year	3 years	5 years	Since inception
N Share	+5.75	+0.07	+1.64	+2.40
Reference Index	+11.70	+1.27	+2.74	+3.55
N Share - volatility	3.45	4.69	6.03	5.95
Reference Index - volatility	4.15	5.61	6.71	6.59

## Cumulative performances (%)

	1 month	3 months	YTD	1 year	3 years	5 years
N Share	+1.57	+1.81	+1.81	+5.75	+0.22	+8.47
Reference Index	+1.89	+3.36	+3.36	+11.70	+3.85	+14.48

## Calendar year performances (%)

	2023	2022	2021	2020	2019
N Share	+7.31	-12.20	+3.13	+1.17	+13.76
Reference Index	+11.21	-13.87	+4.22	+3.59	+12.89

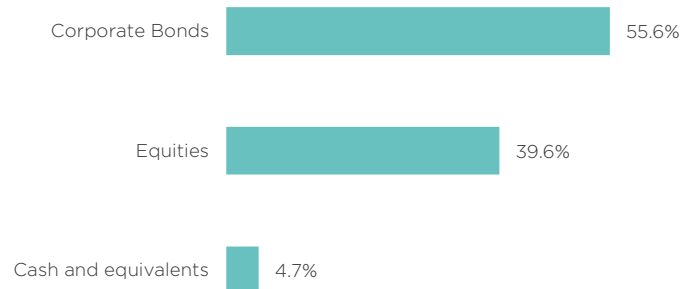
## Risk indicator



Synthetic risk indicator according to PRIIPS. 1 corresponds to the lowest level and 7 to the highest level.

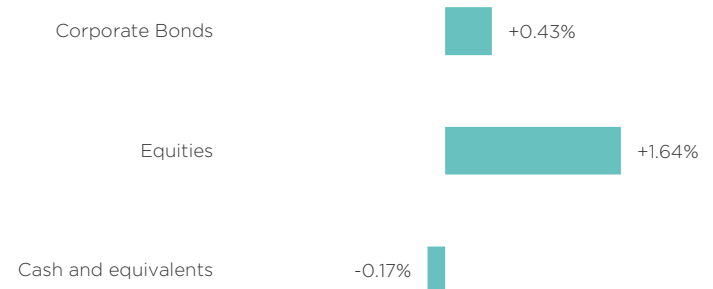
**Main risks:** interest-rate risk, credit risk, equity risk, risk related to investments in emerging markets, risk of capital loss, risk of investing in derivative instruments as well as instruments embedding derivatives, specific Risk linked to ABS and MBS, distressed securities risk, ESG risk, risk related to exchange rate, specific Risks linked to Convertible, Exchangeable and Mandatory Convertible Bonds, specific risks of investing in contingent convertible bonds (Cocos), sustainability risk, bond risk 144A

### Asset class breakdown



### Monthly performance contributions

Past performance is not a guarantee of future performance



### Sector breakdown (ICB)

	Fund	Index
Health Care	21.8%	7.2%
Industrial Goods and Services	20.2%	9.2%
Utilities	14.7%	6.7%
Banks	10.2%	22.2%
Technology	8.0%	9.5%
Chemicals	4.7%	1.7%
Construction and Materials	4.5%	1.7%
Telecommunications	2.2%	4.5%
Basic Resources	2.0%	1.0%
Automobiles and Parts	1.7%	4.2%
Media	1.5%	1.1%
Energy	1.3%	4.1%
Food, Beverage and Tobacco	1.0%	4.5%
Real Estate	0.9%	5.1%
Financial Services	0.6%	5.7%
Govies	-	0.0%
Consumer Products and Services	-	2.5%
Retail	-	1.9%
Travel and Leisure	-	1.4%
Personal Care, Drug and Grocery	-	1.6%
Insurance	-	4.0%
Cash and equivalents	4.7%	0%

### Country breakdown

	Fund	Index
France	20.1%	14.2%
USA	18.8%	31.1%
Italy	7.8%	3.5%
Spain	7.1%	3.9%
United Kingdom	7.1%	11.3%
Japan	5.4%	2.7%
Germany	4.2%	9.2%
India	3.8%	0.5%
Denmark	3.1%	1.2%
Switzerland	2.7%	3.2%
Netherlands	2.7%	5.0%
Finland	2.4%	0.7%
Taiwan	1.6%	0.5%
Belgium	1.6%	1.2%
Korea (South)	1.5%	0.4%
Ireland	1.1%	0.8%
Australia	1.0%	1.6%
Sweden	1.0%	2.5%
Portugal	1.0%	0.3%
Israel	0.9%	0.1%
Luxembourg	0.6%	0.9%
Other Countries	-	5.2%
Cash and equivalents	4.7%	0%

### Bonds portfolio composition and indicators

	Weight	Maturity (yrs)	Modified duration	Yield	Number of lines
Fixed rate bonds	42.71%	4.29	3.17	4.25%	61
Hybrid bonds	10.79%	2.17	2.12	5.12%	12
Convertible bonds	2.13%	1.76	1.65	7.30%	3
<b>Total</b>	<b>55.64%</b>	<b>3.78</b>	<b>2.91</b>	<b>4.54%</b>	<b>76</b>

### Changes to portfolio holdings\*

**In:** Arkema SA PERP (4.4), Cie Plastic Omnium SA 4.88% 2029 (6.4), Elis SA 3.75% 2030 (5.8), ProGroup AG 5.38% 2029 (4.3) and Solvay SA 3.88% 2028 (5.3)

**Out:** Banco de Sabadell SA 2026 FRN (5.5) and LKQ Dutch Bond BV 4.13% 2031

\*The figure between brackets represents the issuer's 'responsibility' score. Please refer to the Internal Extra-financial analysis page for the analysis methodology.

### Equity portfolio (39.6%)

#### Main positions<sup>+</sup>

	Weight
NOVO NORDISK A/S-B (6.3)	2.05%
ASTRAZENECA PLC (4.9)	2.02%
BUREAU VERITAS SA (6.4)	1.88%
DANAHER CORP (6.0)	1.86%
DASSAULT SYSTEMES SE (7.1)	1.71%

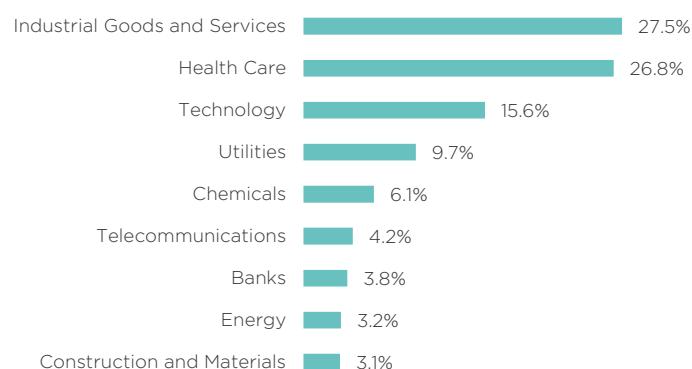
#### Monthly performance contributions

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Best	Weight	Contribution
SAMSUNG SDI CO LTD	1.48%	+0.30%
NEXTERA ENERGY INC	1.44%	+0.20%
NOVO NORDISK A/S-B	2.05%	+0.18%
TAIWAN SEMICONDUCTOR MANUFAC	1.57%	+0.17%
BHARTI AIRTEL LTD	1.68%	+0.16%

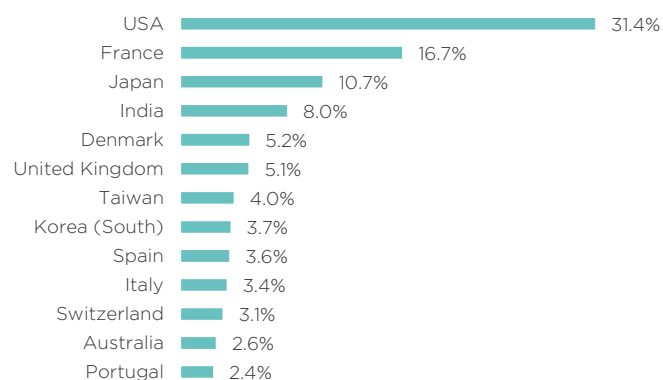
Worst	Weight	Contribution
PALO ALTO NETWORKS INC	1.44%	-0.13%
DASSAULT SYSTEMES SE	1.71%	-0.09%
FANUC CORP	1.55%	-0.07%
DAIICHI SANKYO CO LTD	1.14%	-0.05%
ENPHASE ENERGY INC	0.67%	-0.03%

### Sector breakdown (ICB)



Equity portfolio (base 100)

### Country breakdown



Equity portfolio (base 100)

### Bond portfolio (55.6%)

#### Main positions<sup>+</sup>

	Weight
Banco Bilbao Vizcaya Argentaria SA 1% 2030 (6.4)	1.87%
Iberdrola International BV PERP (6.8)	1.74%
Arkema SA PERP (4.4)	1.54%
Pearson Funding PLC 1.38% 2025 (4.9)	1.54%
Thermo Fisher Scientific Inc 2.6% 2029 (5.0)	1.25%

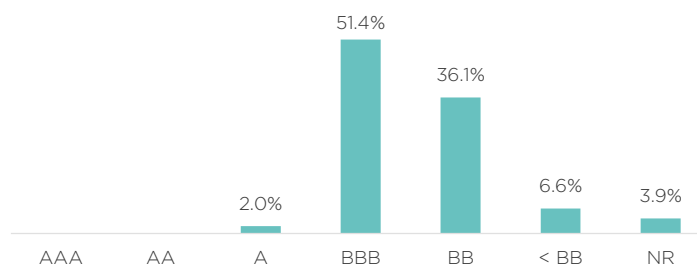
#### Monthly performance contributions

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Best	Weight	Contribution
CRELAN 5 1/4 01/23/32	0.63%	+0.02%
KIELN 9 02/15/29	0.73%	+0.02%
SRTGR 4 3/8 09/14/29	1.02%	+0.01%
WAB 1 1/4 12/03/27	0.84%	+0.01%
VRLAFP 1 5/8 05/14/28	1.24%	+0.01%

Worst	Weight	Contribution
NEXIIM 0 02/24/28	0.62%	-0.01%
GRFSM 2 1/4 11/15/27	0.27%	-0.01%
SYABGR 7 7/8 01/31/31	0.65%	-0.01%
CTLT 2 3/8 03/01/28	0.57%	-0.01%
POMFP 4 7/8 03/13/29	0.72%	+0.00%

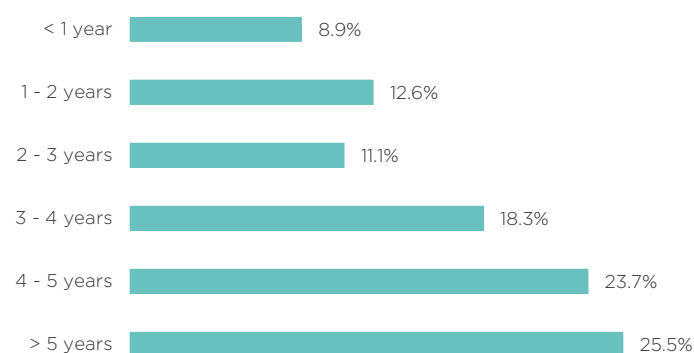
### Rating breakdown



Bonds portfolio (base 100)

These data are provided for guidance purposes only. The management company does not systematically and automatically use ratings issued by credit rating agencies and carry out its own credit analysis.

### Maturity breakdown



Bonds portfolio (base 100)

\*The figure between brackets represents the issuer's 'responsibility' score. Please refer to the Internal Extra-financial analysis page for the analysis methodology.

## Portfolio managers comments

### Macro/markets

The month of March was marked by a relative calm in terms of the statistics published, developments in geopolitical conflicts and corporate communications. The upward trend that began in October was only interrupted by a few rare instances of profit-taking in early January: the Stoxx 600 gained 6.9% over the quarter and 17.1% since the end of October. In March alone, it is still up 3.6%. This performance was made possible by a rebound in the value sectors, led by retail, banks, property, energy and basic resources. Conversely, Travel & Leisure and Technology are at the bottom of the league table. We believe that at these price levels, there is no room for disappointment if companies fail to deliver solid Q1 earnings, whereas the FY23 earnings season was an "average" year with (only) 71% of US companies beating earnings per share expectations. This figure falls to 50% in Europe, where earnings per share growth for this year was revised down by 40bp in March, from 4.5% to 4.1%. With regard to monetary policies, which have a major influence on portfolio performance, the main central banks (Fed, ECB, BoE) kept their key rates unchanged in March, but are preparing the ground for possible rate cuts in the months ahead. This catalyst remains a necessary condition for the rebound of a large proportion of the sectors invested in the portfolio. The main exception was Japan, where the BoE ended its negative interest rate policy (NIRP) in place since 2016 by raising its base rate from -0.1% to 0%.

The credit market also performed well in March, supported once again by technical factors. It returned 1.1% on investment grade in both Europe and the United States, +1.1% on US high yield and +0.6% on euro high yield, which was slightly down. The market is seeing substantial inflows on credit as a whole. The primary market is large in absolute terms (€58bn for euro investment grade, €17bn for high yield), but mainly dedicated to refinancing, with very low premiums, reflecting buyers' need to invest. However, a few restructuring announcements have troubled the weakest ratings in Europe. The most resounding was that of SFR, but Intrum and Ardagh are also taking advice on how to manage their forthcoming debt maturities. The CCC euro index lost almost 4% over the month.

### Allocation

Alterosa's performance was 1.57% in March, compared with 1.89% for its benchmark index.

At the end of the month, the equity exposure was around 39.5%. It comprises 28 stocks, the top three of which are : Novo Nordisk (2.3%), Astrazeneca (1.9%) and Danaher (1.9%).

Eurostoxx future hedging was maintained at 8.5%. Net equity exposure remained close to 31% at the end of March.

At the end of the month, bonds represented 55.7% of the portfolio, with 30% investment grade and 20% BB. We remain confident in the credit market, which offers an attractive yield. If rates continue to fall, this could support the performance of investment grade and BB ratings. Favourable technical factors should also continue over the coming months. At the end of March, the portfolio yielded 4.5% for a duration of 2 years.

### Equity portfolio

Over the month, the main relative outperformers (versus MSCI AC World) for the stocks in the portfolios were : Samsung SDI (Ecological Transition, +24bps, asset weight 1.3%), Nextera (Ecological Transition, +14bps, asset weight 1.1%) and IFF (Medical Transition, +10bps, asset weight +1.0%). Conversely, the worst relative performers were : Palo Alto (Lifestyle Transition, -17bps, active weight +1.3%) Dassault Systèmes (Lifestyle and Medical Transition, -15bps, active weight +1.7%) and Fanuc (Economic Transition, -13bps, active weight +1.6%). Among the main movements, we reduced our exposure to TSMC and Bharti Airtel.

### Bond portfolio

Against this backdrop, Alterosa's bond portfolio recorded a positive performance. The ratings that contributed most were BBB, followed by BB. There was also a good contribution from investments in GBP, hybrids and AT1.

At sector level, the sectors that contribute most to performance are banking, capital goods, utilities, healthcare and basic industries. Those that contribute least are financial services, real estate, transport, telecommunications and consumer goods.

The issuers contributing most to performance are Intesa Sanpaolo (banking, economic transition), Crelan (banking, economic transition) and Stora Enzo (basic industries, ecological, economic and lifestyle transition). Those who contribute least are Grifols (healthcare, medical transition), Nexi (financial services, economic transition) and Synlab (healthcare, medical transition).

During March, we participated in a number of primary issues, such as Plastic Omnium (automotive, ecological transition), Arkema (basic industries, lifestyle transition), Solvay (basic industries, ecological and lifestyle transition), Progroup (capital goods, lifestyle transition) and Elis (services, lifestyle transition). Other issuers that have been lightened include Volvo Car (automotive, ecological transition), LKQ (automotive, lifestyle transition), Rexel (capital goods, ecological transition), EDP (utilities, ecological transition), Banco de Sabadell (banking, economic transition) and Veolia Environnement (services, ecological transition). We also reduced our interest-rate hedging, particularly on US rates.

Text completed on 08/04/2024.



Léa  
Dunand-Chatellet



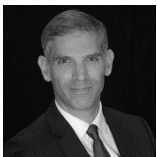
David  
Tissandier



Nolwenn  
Le Roux, CFA



Romain  
Avice



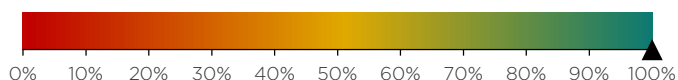
Matthieu  
Belondrade, CFA



Romain  
Grandis, CFA

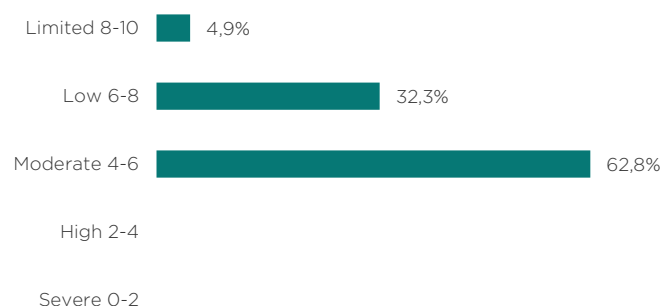
## Internal extra-financial analysis

### ABA coverage rate<sup>+</sup> (100%)



Average Responsibility Score: 5.7/10

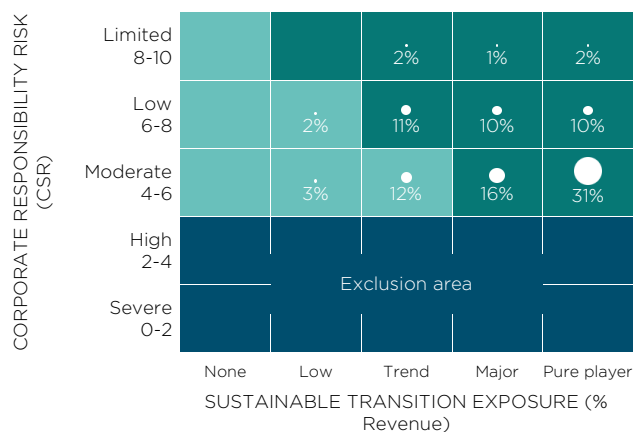
### Responsibility risk breakdown<sup>(1)</sup>



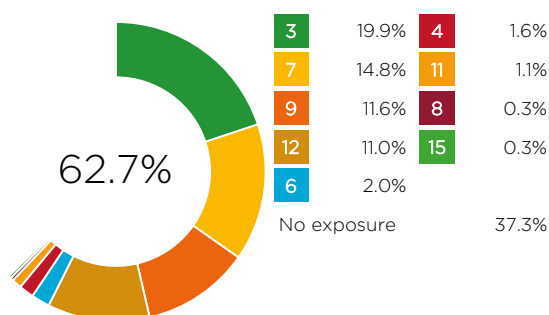
### Selectivity universe exclusion rate



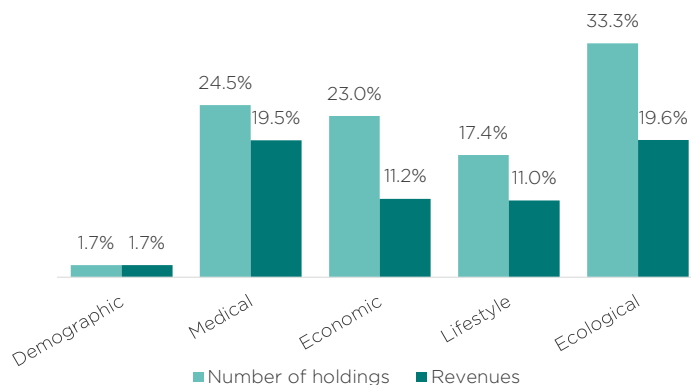
### Transition/CSR exposure<sup>(2)</sup>



### SDG's exposure<sup>(3)</sup> (% of revenues)



### Sustainable transitions exposure<sup>(4)</sup>



## Analysis methodology

We develop proprietary models based on our expertise and conviction to add tangible value in the selection of portfolio securities. DNCA's ESG analysis model, Above & Beyond Analysis (ABA), respects this principle and offers a rating that we control the entire construction. Information from companies is the main input to our rating. The methodologies for calculating ESG indicators and our responsible investor and engagement policy are available on our website [by clicking here](#).

<sup>(1)</sup> The rating out of 10 integrates 4 risks of responsibility: shareholder, environmental, social and societal. Whatever their sector of activity, 24 indicators are evaluated, such as social climate, accounting risks, suppliers, business ethics, energy policy, quality of management.

<sup>(2)</sup> The ABA Matrix combines the Responsibility Risk and the Sustainable Transition exposure of the portfolio. It allows us to map companies to be mapped using a risk/opportunity approach.

<sup>(3)</sup> 1 No poverty. 2 Zero hunger. 3 Good health and well-being. 4 Quality education. 5 Gender equality. 6 Clean water and sanitation. 7 Clean and affordable energy. 8 Decent work and economic growth. 9 Industry, innovation and infrastructure. 10 Reduced inequalities. 11 Sustainable cities and communities. 12 Sustainable consumption and production. 13 Tackling climate change. 14 Aquatic life. 15 Terrestrial life. 16 Peace, justice and effective institutions. 17 Partnerships to achieve the goals.

<sup>(4)</sup> 5 transitions based on a long-term perspective of the financing of the economy allow the identification of activities with a positive contribution to sustainable development and to measure the exposure of companies in terms of turnover as well as exposure to the UN Sustainable Development Goals.

\*The coverage rate measures the proportion of issuers (equities and corporate bonds) taken into account in the calculation of the extra-financial indicators. This measure is calculated as a % of the fund's net assets adjusted for cash, money market instruments, derivatives and any vehicle outside the scope of "listed equities and corporate bonds".

## Principal Adverse Impacts

PAI	Unit	Fund		Ref. Index	
		Coverage	Value	Coverage	Value
PAI Corpo 1_1 - Tier 1 GHG emissions	T CO <sub>2</sub>	89%	7,678	89%	63,303
PAI Corpo 1_2 - Tier 2 GHG emissions	T CO <sub>2</sub>	89%	2,680	89%	12,513
PAI Corpo 1_3 - Tier 3 GHG emissions	T CO <sub>2</sub>	89%	46,338	89%	469,845
PAI Corpo 1T - Total GHG emissions	T CO <sub>2</sub>	89%	56,389	89%	544,852
PAI Corpo 2 - Carbon footprint	T CO <sub>2</sub> /EUR million invested	89%	338	89%	418
PAI Corpo 3 - GHG intensity	T CO <sub>2</sub> /EUR million sales	93%	762	98%	843
PAI Corpo 4 - Share of investments in companies active in the fossil fuel sector		8%	7%	10%	10%
PAI Corpo 5 - Share of non-renewable energy consumption and production		90%	74%	92%	67%
PAI Corpo 6_TOTAL - Energy consumption intensity by sector with high climate impact NACE	GWh / EUR million sales	91%	0.7	93%	0.3
PAI Corpo 7 - Activities with a negative impact on biodiversity-sensitive areas		0%	0%	0%	0%
PAI Corpo 8 - Water discharges	T Water Emissions	2%	1,282	2%	84,652
PAI Corpo 9 - Hazardous or radioactive waste ratio	T Hazardous Waste	54%	895,645	40%	2,476,734
PAI Corpo 10 - Violations of UNGC and OECD principles		91%	0%	98%	0%
PAI Corpo 11 - Lack of UNGC and OECD compliance processes and mechanisms		91%	26%	97%	32%
PAI Corpo 12 - Unadjusted gender pay gap		27%	8%	37%	15%
PAI Corpo 13 - Gender diversity in governance bodies		91%	38%	97%	37%
PAI Corpo 14 - Exposure to controversial weapons		91%	0%	98%	0%
PAI Corpo OPT_1 - Water use	m <sup>3</sup> /EUR mln sales	8%	1	7%	3
PAI Corpo OPT_2 - Water recycling		8%	0%	7%	0%
PAI Corpo OPT_3 - Number of days lost due to injury, accident, death or illness		34%	78	19%	71
PAI Corpo 3_SC12 - PAI_CORPO_3_SC12	T CO <sub>2</sub> /EUR million sales				

Source : MSCI

## Administrative information

**Name:** DNCA INVEST Beyond Alterosa  
**ISIN code (Share N):** LU1907594821  
**SFDR classification:** Art.9  
**Inception date:** 17/12/2018  
**Investment horizon:** Minimum 3 years  
**Currency:** Euro  
**Country of domicile:** Luxembourg  
**Legal form:** SICAV  
**Reference Index:** 30% MSCI All Countries World NR + 70% Bloomberg Barclays Pan European Corporate Euro Hedged Index  
**Valuation frequency:** Daily  
**Management company:** DNCA Finance

**Portfolio Managers:**  
Léa DUNAND-CHATELLET  
David TISSANDIER  
Nolwenn LE ROUX, CFA  
Romain AVICE  
Matthieu BELONDRAGE, CFA  
Romain GRANDIS, CFA

**Minimum investment:** None  
**Subscription fees:** 1% max  
**Redemption fees:** -  
**Management fees:** 0.90%  
**Ongoing charges as of 30/12/2022:** 1.05%  
**Performance fees:** 20% of the positive performance net of any fees above the index: 30% MSCI All Countries World NR + 70% Bloomberg Barclays Pan European Corporate Euro Hedged Index

**Custodian:** BNP Paribas - Luxembourg Branch

**Settlement:** T+2

**Cut off:** 12:00 Luxembourg time

## Legal information

**This is an advertising communication. Please refer to the Fund's Prospectus and Key Information Document before making any final investment decision.** This document is a promotional document for use by non-professional clients within the meaning of the MIFID II Directive. This document is a simplified presentation tool and does not constitute an offer to subscribe or investment advice. The information presented in this document is the property of DNCA Finance. It may not be distributed to third parties without the prior consent of DNCA Finance. The tax treatment depends on the situation of each, is the responsibility of the investor and remains at his expense. The Document d'Informations Clés and the Prospectus must be given to the investor, who must read them prior to any subscription. All the regulatory documents of the sub-fund are available free of charge on the website of the management company [www.dnca-investments.com](http://www.dnca-investments.com) or on written request to [dnca@dnca-investments.com](mailto:dnca@dnca-investments.com) or directly to the registered office of the company 19, Place Vendôme - 75001 Paris. Investments in the sub-fund entail risks, in particular the risk of loss of capital resulting in the loss of all or part of the amount initially invested. DNCA Finance may receive or pay a fee or retrocession in relation to the sub-fund(s) presented. DNCA Finance shall in no event be liable to any person for any direct, indirect or consequential loss or damage of any kind whatsoever resulting from any decision made on the basis of information contained in this document. This information is provided for information purposes only, in a simplified manner and may change over time or be modified at any time without notice.

Past performance is not a reliable indicator of future performance.

The award of this label to a compartment does not mean that it meets your own sustainability objectives or that the label corresponds to the requirements of future national or European regulations. For more information on this subject, please visit : [www.llelabelisr.fr](http://www.llelabelisr.fr) and [www.llelabelisr.fr/comment-investir/fonds-labelises](http://www.llelabelisr.fr/comment-investir/fonds-labelises)

Sub-fund of DNCA INVEST Investment company with variable capital (SICAV) under Luxembourg law in the form of a Société Anonyme - domiciled at 60 Av. J.F. Kennedy - L-1855 Luxembourg. It is authorised by the Commission de Surveillance du Secteur Financier (CSSF) and subject to the provisions of Chapter 15 of the Law of 17 December 2010.

DNCA Finance is a limited partnership (Société en Commandite Simple) approved by the Autorité des Marchés Financiers (AMF) as a portfolio management company under number GP00-030 and governed by the AMF's General Regulations, its doctrine and the Monetary and Financial Code. DNCA Finance is also a Non-Independent Investment Advisor within the meaning of the MIFID II Directive. DNCA Finance - 19 Place Vendôme-75001 Paris - e-mail: [dnca@dnca-investments.com](mailto:dnca@dnca-investments.com) - tel: +33 (0)1 58 62 55 00 - website: [www.dnca-investments.com](http://www.dnca-investments.com)

Any complaint may be addressed, free of charge, either to your usual contact (within DNCA Finance or within a delegate of DNCA Finance), or directly to the Head of Compliance and Internal Control (RCCI) of DNCA Finance by writing to the company's head office (19 Place Vendôme, 75001 Paris, France). In the event of persistent disagreement, you may have access to mediation. The list of out-of-court dispute resolution bodies and their contact details according to your country and/or that of the service provider concerned can be freely consulted by following the link [https://finance.ec.europa.eu/consumer-finance-and-payments/retail-financial-services/financial-dispute-resolution-network-fin-net/members-fin-net-country\\_fr](https://finance.ec.europa.eu/consumer-finance-and-payments/retail-financial-services/financial-dispute-resolution-network-fin-net/members-fin-net-country_fr).

A summary of investors' rights is available in English at the following link: <https://www.dnca-investments.com/en/regulatory-information>

The Sub-Fund has as its objective sustainable investment within the meaning of Article 9 of SFDR. The Sub-Fund is managed taking into consideration responsible and sustainable principles and aims to be target issuers with a significantly exposure of percentage or their revenues to the 17 Sustainable Development Goals of the United Nations.

This product is subject to sustainability risks as defined in the Regulation 2019/2088 (article 2(22)) by environmental, social or governance event or condition that, if it occurs, could cause an actual or a potential material negative impact on the value of the investment.

If the portfolio investment process can incorporate ESG approach, the portfolio's investment objective is not primarily to mitigate this risk. The sustainability risk management policy is available on the website of the Management Company.

The reference benchmark as defined in the Regulation 2019/2088 (article 2(22)) does not intend to be consistent with the environmental or social characteristics promoted by the fund.



## Glossary

**Beta.** Measures the average extent to which a fund moves relative to the broader market. The beta of a market is 1. A fund with a beta of more than 1 moves on average to a greater extent than the market. A fund with a beta of less than 1 moves on average to a lesser extent. If beta is a minus number, it is likely that the stock and the market move in opposite directions.

**Convertible Bond.** Hybrid securities that have both bond and equity characteristics. Convertible bonds make periodic interest payments like a bond, but bondholders also get an option to exchange their bonds for a specified number of shares of common stock. Convertible bonds typically carry lower coupon rates, thus reducing the corporation's cost of borrowing.

**Correlation coefficient.** The correlation coefficient is a measure of correlation. It is used to determine the relationship between two assets over a given period. A positive coefficient means that the two assets move in the same direction. Conversely, a negative coefficient means that the assets move in the opposite direction. The correlation or decorrelation can be more or less strong and varies between -1 and 1.

**Delta.** The delta of a position expresses the change in the price of an option when its underlying asset price varies. It corresponds to the derivative of the theoretical value of the option relating to the price of the underlying asset.

**Maturity.** The time when a bond or other debt instrument is due to for redemption (is due to mature); or the length of time between the issue of such an instrument and the date it is due for redemption (the maturity date).

**Sensitivity.** The sensitivity of a bond measures the change in its percentage value induced by a given change in interest rates.

**Sharpe Ratio.** A way of measuring the historical risk-adjusted return on an investment. It is the average previous return minus the risk-free return, divided by the standard deviation (a measure of risk that looks at the diversion of actual returns from expected returns).

**Sharpe Ratio.** The Sharpe ratio measures the excess return over the risk-free money rate of an asset portfolio divided by the standard deviation of that return. It is therefore a measure of the marginal return per unit of risk. It is used to measure the performance of managers with different risk policies.

**Tracking error.** Tracking Error is a measure of how closely an investment portfolio follows the index against which it is benchmarked. It is the difference in the return earned by a portfolio and the return earned by the benchmark against which the portfolio is constructed. For example, if a bond portfolio earns a return of 5.15% during a period when the portfolio's benchmark (say, for example, the Lehman Brothers Index) produces a return of 5.06%, the tracking error is .09%, or 9 basis points.

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