

BNP PARIBAS MULTI ASSET DIVERSIFIED 5 INDEX

MARKETING COMMUNICATION | FOR PROFESSIONAL CLIENTS ONLY | DECEMBER 2024

ALPHA | BETA | ENHANCED BETA

A SYSTEMATIC MULTI ASSET STRATEGY

The BNP Paribas Multi Asset Diversified 5 Index allows investors to benefit from:

- A cross asset strategy with a risk reduction mechanism and daily execution;
- A systematic approach based on trend following to determine a portfolio allocation based on Modern Portfolio Theory:
- A diversified universe of underlyings, in both asset class and region;
- Target volatility: 5%

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Quantitative asset allocation

- Dynamic allocation across Equity, Commodities, Bonds and Interest Rate futures indices (see table), using the Modern Portfolio Theory, taking into account each asset's expected return and volatility.
- Leveraging possibilities in order to obtain a more efficient portfolio

Identification of trend signals with risk mitigation

Learn more

- A trend indicator compares today's spot value with all past values over a one year period. Thus large discrepancies are avoided from one day to the next
- The weight of each of the Index Components is subject to minimum and maximum limits to ensure the realised Volatility does not surpass the target Volatility for the Index

Daily Volatility Control

The Optimal Portfolio of the Index targets an annualised realized volatility of 5%. On a daily basis, if the realised volatility exceeds 5%, the Index will reduce the weight of the portfolio and rebalance it with a nonremunerable hypothetical cash position.

Currency	Type of index	Live date	Bloomberg code	Reuters code	SOC1	
USD	Excess Return	25 January 2016	BNPIMAD5 Index	. BNPIMAD5	ISAE3402	
					ATTESTED	

The evaluation was carried out in accordance with the SOC1/ISAE3402 attestation standard, as of September 30, 2016.

The BNP Paribas Multi-Asset Diversified 5 Index is based on the successful investment methodology of the BNP Paribas Multi-Asset Diversified Index, created in 2012

Investment Universe
Equities Eurozone
Equities US
Equities Japan
Government Bonds Germany
Government Bonds US
Government Bonds Japan
Commodities
Gold

PERFORMANCE ANALYSIS (SIMULATIONS UNTIL 25 JAN 2016)

ABOUT GLUBAL MARKETS

			As of December 31%, 202
		Jan 16 - Dec 24	Multi Asset Diversified 5
nance (%)	መግቢካ እር በካ	Annualised Performance	3.11%
12 Therforn		Annualised Volatility	4.94%
Xapul 1	No. We we	Sharpe Ratio	0.63
1(00 ∫ Jan-16 Jan-17 Jan-18 Jan-19 Jan-20 Jan-21 Jan-22 Jan-23 Jan-24 —BNP Paribas Multi Asset Diversified 5 Index	Max Drawdown	-8.64%

Source: Bloomberg, BNP Paribas. Performance simulations based on historical data from 31 December 2002 to 25 January 2016, historical performance thereafter.



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As of December 31st, 2024

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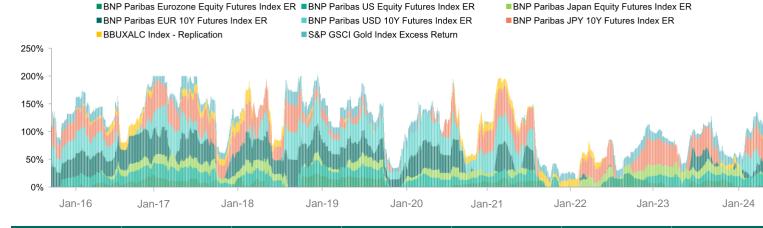
MONTHLY SIMULATED PERFORMANCES

BNP Paribas Multi-Asset Diversified 5 Index quickly adapts to new market conditions

	Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2024	0.57%	1.90%	2.09%	-1.67%	0.74%	0.30%	-0.14%	-0.91%	1.29%	-1.19%	-0.26%	-1.54%	1.09%
2023	2.27%	-0.59%	0.94%	0.59%	0.56%	2.29%	0.26%	-1.39%	-1.94%	-1.21%	2.27%	0.68%	4.73%
2022	-2.08%	0.80%	2.39%	-1.21%	-0.24%	-2.33%	0.42%	-0.74%	-2.22%	1.02%	1.15%	-2.79%	-5.82%
2021	-0.91%	1.13%	0.31%	1.17%	0.98%	0.76%	2.12%	-0.10%	-1.27%	0.52%	-1.61%	0.85%	3.96%
2020	1.48%	-3.06%	-2.54%	0.53%	0.29%	0.53%	2.52%	0.68%	-0.60%	-0.76%	3.44%	0.92%	3.28%
2019	1.58%	0.33%	1.71%	1.35%	-1.42%	4.75%	0.63%	1.84%	-0.33%	1.07%	0.21%	0.70%	13.00%
2018	1.27%	-2.82%	-0.34%	0.55%	0.02%	-0.21%	-0.86%	0.59%	0.26%	-3.02%	0.74%	-0.53%	-4.36%
2017	-0.69%	2.31%	-0.51%	0.86%	0.84%	-1.42%	0.47%	1.36%	-0.41%	2.67%	0.66%	0.26%	6.48%
2016	0.01%	3.07%	0.48%	0.25%	-0.60%	3.84%	1.24%	-1.56%	0.18%	-1.80%	-0.96%	1.79%	6.72%

Source: Bloomberg, BNP Paribas. Performance simulations based on historical data from 31 December 2002 to 25 January 2016, historical performance thereafter. Past performance or simulated performance is not an indicator of future performance.

ASSET EXPOSURE (INCLUDING DAILY VOLATILITY CONTROL MECHANISM)



	BNP Paribas EUR 10Y Futures Index ER	BNP Paribas JPY 10Y Futures Index ER	BNP Paribas Japan Equity Futures Index ER	BNP Paribas US Equity Futures Index ER	S&P GSCI Gold Index Excess Return	Net Exposure
Dec 2024	11.90%	26.84%	12.92%	20.24%	16.72%	88.62%

Source: Bloomberg, BNP Paribas. Simulations of end-of-month allocation. Exposure figures that are shown include the daily volatility control and are rounded to the second decimal place.

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