

# BNP PARIBAS MULTI-ASSET GLOBAL DIVERSIFIED INDEX

MARKETING COMMUNICATION | FOR PROFESSIONAL CLIENTS ONLY | SEPTEMBER 2024

## A SYSTEMATIC AND GLOBAL MULTI-ASSET STRATEGY

The BNP Paribas Multi-Asset Global Diversified Index allows investors to benefit from higher returns with lower volatility due to:

- A **diversified universe of underlyings, in both asset class and region;**
- A **daily and dynamic asset allocation;**
- A **proprietary rule-based methodology** using trend following;
- A **daily volatility control mechanism** with a 5% volatility target.

Currency	Type of index	Live date	Bloomberg code	Reuters code
USD	Excess Return	26 Sep. 2022	BNPIMCD5 Index	BNPIMCD5



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



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

## BNP PARIBAS MULTI-ASSET GLOBAL DIVERSIFIED INDEX

### Diverse Components

- The Index sources its performance from ten index components, which have been **selected based on the following principles:**
  - Diversity in geographic zones covered (Europe, US, Japan and China);
  - The use of market benchmarks;
  - Components representing multiple asset classes

### Daily Dynamic Allocation

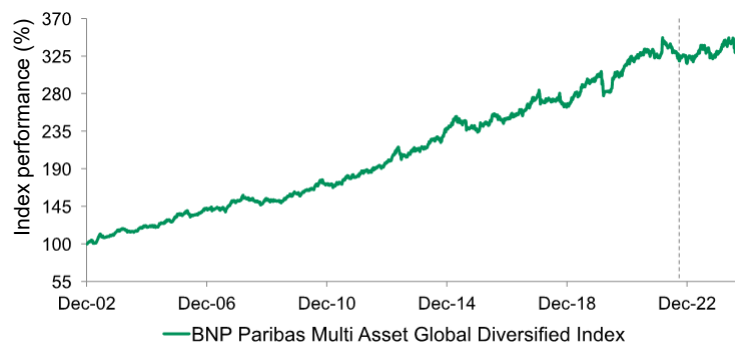
- The Index dynamically rebalances the weightings of the components according to a proprietary rule-based methodology using trend following. **This process follows three steps:**
  - 1<sup>st</sup> Step:** the Index creates a universe of potential **Hypothetical Portfolios**, with components differently weighted across the board;
  - 2<sup>nd</sup> Step:** the Index then tests the different portfolio combinations in the universe, considering only those with a long term realized volatility below a certain level;
  - 3<sup>rd</sup> Step:** the final **Hypothetical Portfolio** is chosen based on a **proprietary rule-based methodology that uses trend following principles**, meaning that it allocates more weight to recent outperformers and less to recent underperformers.

### Daily Volatility Control

- The Hypothetical 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 non-remunerable hypothetical cash position.

Investment Universe	
Underlying	Region
BNP Paribas Eurozone Equity Futures	Europe
BNP Paribas EUR 10Y Futures	Europe
BNP Paribas Japan Equity Futures	Japan
BNP Paribas JPY 10Y Futures	Japan
BNP Paribas US Equity Futures	US
BNP Paribas USD 10Y Futures	US
BNP Paribas China A Connect Equity Futures	China
S&P GSCI Industrial Metals ER	Global
S&P GSCI Energy ER	Global
S&P GSCI Gold Index ER	Global

## PERFORMANCE ANALYSIS (SIMULATIONS UNTIL 26 SEPTMEBER 2022)

 As of September 30<sup>th</sup>, 2024


Dec 02 - Sep 24	Multi Asset Global Diversified
Annualised Performance	5.78%
Annualised Volatility	4.92%
Annualised Sharpe Ratio	1.17
Max Drawdown	-9.55%

Source: Bloomberg, BNP Paribas. Performance simulations based on historical data from 31 December 2002 to 26 September 2022, historical performance thereafter.



## MONTHLY SIMULATED PERFORMANCES

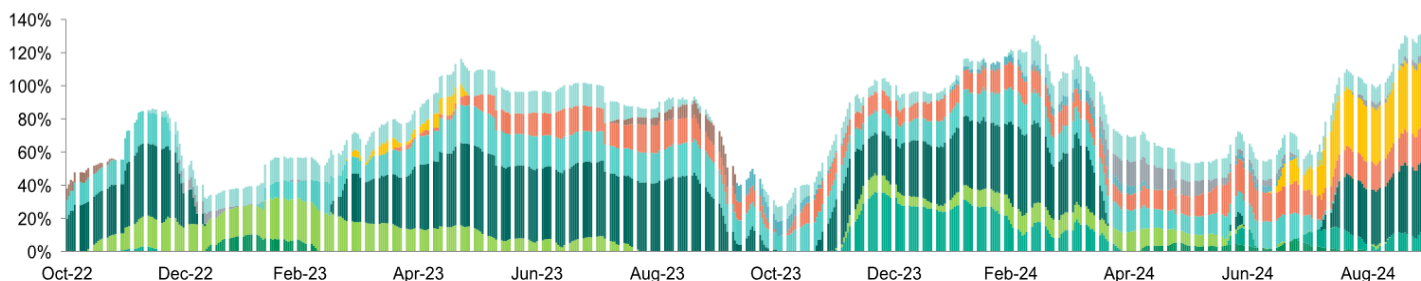
As of September 30<sup>th</sup>, 2024

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
2024	0.57%	1.77%	2.17%	-1.61%	0.74%	-0.03%	-0.54%	-1.03%	1.27%				3.28%
2023	2.66%	-0.86%	0.84%	0.54%	0.75%	2.55%	0.27%	-1.36%	-1.25%	-1.93%	1.15%	0.76%	4.07%
2022	-1.07%	2.33%	3.40%	-1.14%	-0.04%	-1.26%	-0.60%	-1.51%	-2.23%	1.69%	0.22%	-2.79%	-3.14%
2021	-0.32%	1.71%	-0.46%	1.33%	0.99%	0.21%	1.78%	-0.33%	-1.66%	0.92%	-2.14%	1.12%	3.10%
2020	0.60%	-3.35%	-3.26%	0.46%	-0.07%	1.61%	5.12%	0.81%	-0.78%	-0.16%	3.84%	1.10%	5.74%
2019	1.32%	1.47%	2.13%	1.26%	-1.42%	3.53%	0.58%	1.97%	-0.34%	0.86%	0.08%	0.78%	12.81%
2018	1.33%	-3.01%	-0.37%	0.69%	0.26%	0.04%	-0.26%	1.12%	1.33%	-3.48%	-0.58%	-0.67%	-3.66%
2017	-0.01%	2.32%	-0.52%	0.53%	1.00%	-1.07%	1.37%	2.60%	-1.11%	3.40%	0.62%	0.69%	10.17%
2016	-0.08%	2.82%	0.52%	0.09%	-0.61%	3.56%	1.53%	-1.57%	0.14%	-1.89%	0.39%	0.60%	5.49%
2015	1.29%	1.61%	1.37%	0.35%	-0.00%	-1.88%	1.18%	-3.34%	-0.45%	0.84%	0.18%	-1.46%	-0.43%
2014	-0.57%	1.55%	-0.35%	0.36%	2.81%	1.33%	-0.71%	1.98%	-0.59%	0.30%	2.77%	1.90%	11.23%
2013	1.00%	1.46%	2.38%	2.74%	-1.38%	-3.32%	1.05%	-0.66%	1.91%	2.06%	1.48%	-0.68%	8.15%
2012	1.94%	1.33%	0.32%	0.84%	-0.63%	0.14%	1.63%	0.64%	0.62%	-0.55%	1.45%	1.41%	9.48%
2011	-0.64%	0.66%	-1.22%	2.10%	0.29%	-1.40%	3.40%	1.51%	-0.67%	0.63%	-0.13%	0.53%	5.06%
2010	-0.92%	1.32%	1.50%	1.38%	-0.29%	1.27%	-0.01%	3.27%	1.07%	0.28%	-1.11%	-0.18%	7.77%
2009	-1.86%	0.28%	0.45%	-0.86%	0.21%	-0.08%	2.17%	0.72%	1.34%	-0.54%	2.97%	-1.13%	3.61%
2008	0.55%	2.44%	0.00%	-1.19%	-0.56%	0.55%	-1.03%	-0.57%	-0.70%	-1.55%	2.47%	1.78%	2.11%
2007	-0.39%	0.43%	-0.75%	1.02%	0.00%	-0.51%	-0.08%	0.70%	2.58%	3.40%	-0.47%	0.13%	6.14%
2006	2.73%	-0.56%	0.78%	1.38%	-1.80%	-0.92%	0.13%	0.79%	0.90%	1.20%	1.99%	0.61%	7.39%
2005	0.14%	0.24%	0.22%	-1.09%	1.96%	2.02%	0.60%	1.76%	0.65%	-1.87%	2.46%	2.22%	9.60%
2004	0.49%	1.98%	0.31%	-2.07%	-0.51%	-0.05%	0.13%	0.31%	2.67%	0.98%	1.11%	-0.08%	5.31%
2003	2.43%	2.03%	-2.87%	1.17%	6.46%	-0.69%	-1.03%	0.97%	0.29%	1.65%	0.02%	3.65%	14.67%

Source: Bloomberg, BNP Paribas. Performance simulations based on historical data from 31 December 2002 to 26 September 2022, historical performance thereafter. Past performance or simulated performance is not an indicator of future performance.

## ASSET EXPOSURE (INCLUDING DAILY VOLATILITY CONTROL MECHANISM)

- BNP Paribas China A Connect Equity Futures Index ER
- BNP Paribas EUR 10Y Futures Index ER
- BNP Paribas Eurozone Equity Futures Index ER
- BNP Paribas JPY 10Y Futures Index ER
- BNP Paribas Japan Equity Futures Index ER
- BNP Paribas US Equity Futures Index ER
- BNP Paribas USD 10Y Futures Index ER
- GOLDMAN SACHS US ENERGY ER
- GOLDMAN SACHS US INDUSTRIAL METAL ER
- S&P GSCI Energy ER
- S&P GSCI Gold Index Excess Return



	BNP Paribas EUR 10Y Futures Index ER	BNP Paribas JPY 10Y Futures Index ER	BNP Paribas China A Connect Equity Futures Index ER	BNP Paribas USD 10Y Futures Index ER	BNP Paribas US Equity Futures Index ER	S&P GSCI Gold Index Excess Return	GOLDMAN SACHS US INDUSTRIAL METAL ER	Net Exposure
Sep 2024	10.76%	42.53%	4.35%	37.80%	21.05%	12.62%	4.21%	133.31%

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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