

# BITCOIN, GOLD & GLOBAL MONEY SUPPLY: Forecasting Valuations Through Monetary Expansion

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## Key Takeaways

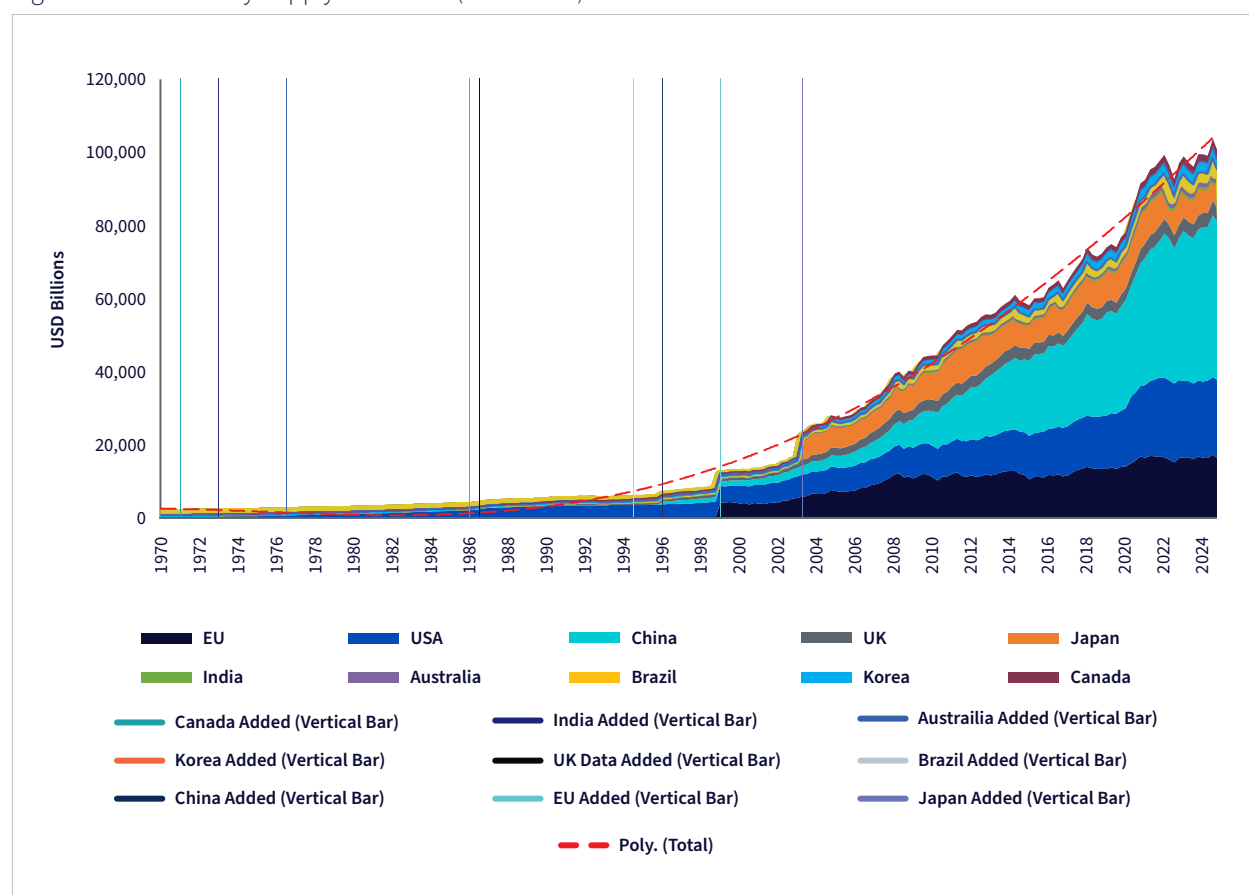
- + With inflation proving sticky and fiscal expansion persisting, investors are increasingly turning to hard assets like bitcoin and gold to preserve purchasing power.
- + As monetary trust erodes and global liquidity expands, bitcoin and gold are gaining traction as resilient alternatives to fiat-based assets.
- + Even under deflationary conditions, constrained supply and adoption trends position bitcoin and gold as durable components of a diversified hard money allocation.

With inflation proving to be sticky, sovereign debt burdens escalating, and trust in institutions coming under scrutiny, investors are reassessing the role that hard assets play in protecting and preserving long-term purchasing power. Gold has historically fulfilled this role, serving as a reserve asset and inflation hedge across centuries. But now, bitcoin — a digitally native, decentralized, and provably scarce asset — is emerging as a credible alternative. This analysis presents a data-driven, scenario-based framework to explore how continued expansion of global money supply could shape the future valuation of ‘hard money’ assets like gold and bitcoin in the years ahead.

## HISTORICAL CONTEXT

The historical trajectory of global money supply reveals a pattern of exponential growth. Based on aggregates from the world's major economies — including the United States, Eurozone, China, Japan, the United Kingdom, Brazil, India, and beyond — the total money supply has expanded from approximately less than \$1 trillion in 1970 to over \$100 trillion in 2025. This growth is not linear, but exponential, closely following a power-law curve — a reflection of the world's ongoing dependence on monetary expansion to support economic growth, manage debt burdens, and fund fiscal deficits.

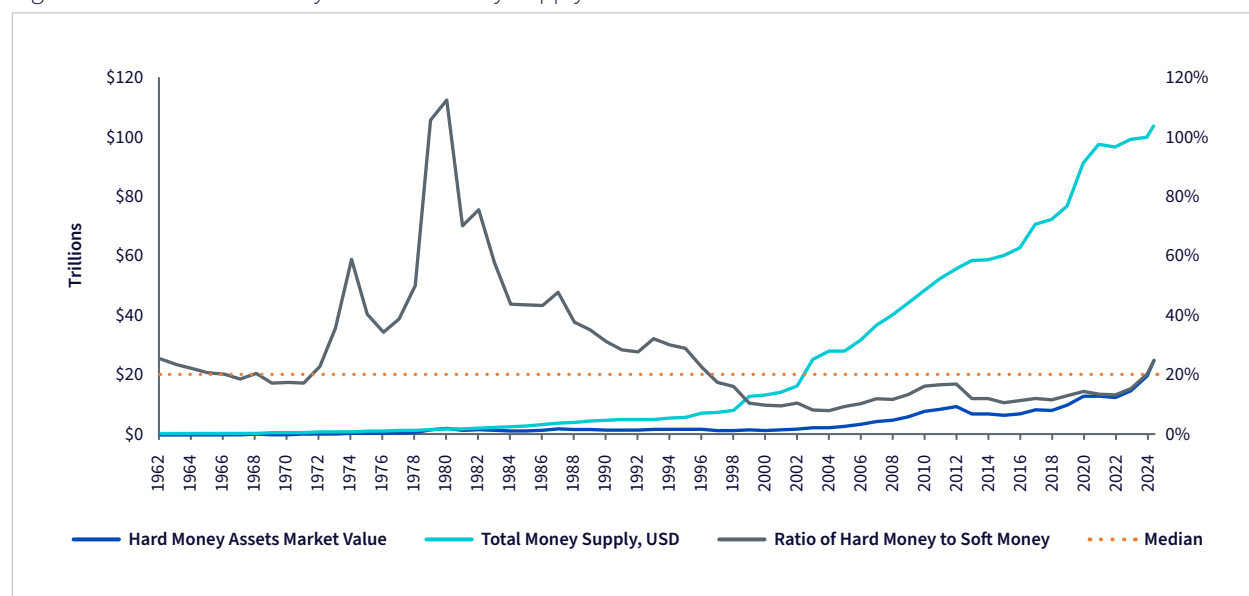
Figure 1: Global Money Supply Over Time (1970–2025)



Source: Bloomberg, WisdomTree. Data as of May 2025. Global money supply is calculated using M2 data (in USD terms) from the following economies: United States (M2 SA), Eurozone (M2 NSA), Japan (M2 NSA), United Kingdom (M2 NSA), China (M2 NSA), Brazil (M2 NSA), South Korea (M2 NSA), and Canada (M2 NSA). For India and Australia, M2 data was unavailable or incomplete; therefore, M1 was used as a proxy. While narrower than M2, M1 captures the most liquid components of the money supply and exhibits high correlation with M2 growth trends over time. We evaluated M3 as an alternative, but inconsistencies in composition and historical coverage made it unsuitable for comparison in this framework. **Historical performance is not an indication of future performance and any investments may go down in value.**

Throughout this period, gold has remained the benchmark hard monetary asset. Its dollar value relative to global money supply has fluctuated based on macroeconomic regime. During stable or deflationary periods, gold's value tends to represent a smaller portion of the total monetary base. In contrast, during inflationary or crisis-driven episodes — such as the 1970s — the market reprices gold upward as confidence in bonds and other assets wane. Historical data shows that gold's market capitalization has ranged from 10% to over 40% of global money supply in various market regimes. The long-term median sits near 20%. As of the end of 2024, when combining gold (\$18.2T) with bitcoin (\$1.8T), the total hard asset share was approximately 20% of global money — elevated compared to the last few decades, but still within the historical range. So far in the first half of 2025, both assets have reached new all-time highs, and the ratio has increased to levels beyond the historical median.

Figure 2: Ratio of Hard Money to Global Money Supply—Historical and Current Levels

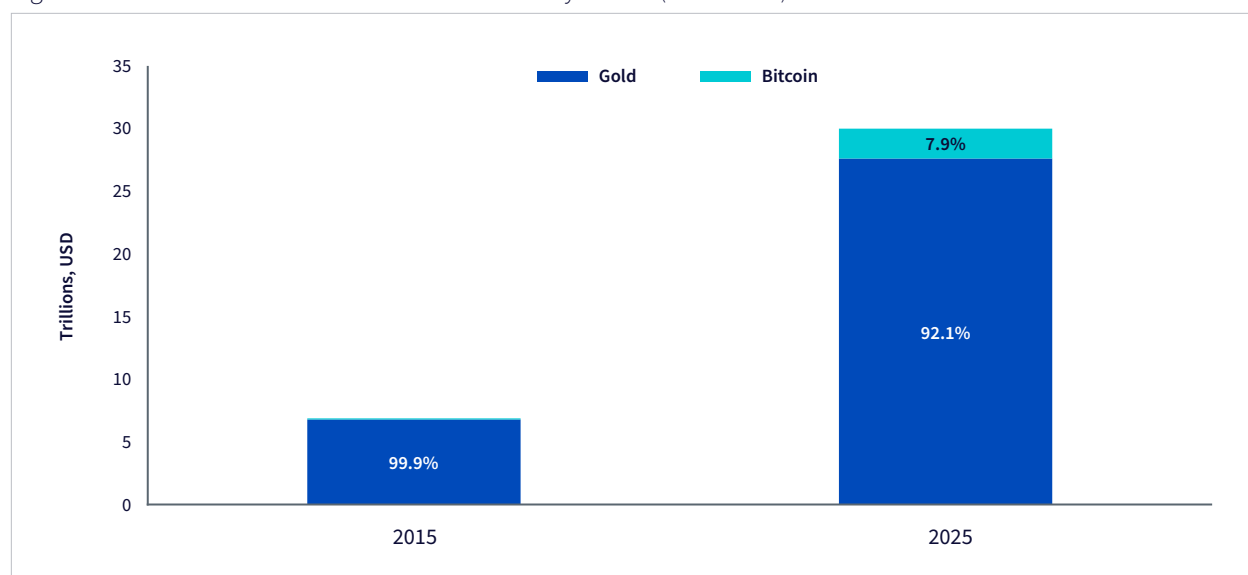


Sources: Bloomberg, CoinGecko, World Gold Council, Clio Infra, USGS, Our World in Data. As of December 31, 2024. **Historical performance is not an indication of future performance and any investments may go down in value.**

## THE RISE OF BITCOIN AS A ‘HARD MONEY’ ASSET

Bitcoin’s evolution from a fringe experiment into a macro-relevant asset class has been remarkable. In 2015, with a total market capitalization under \$5B, bitcoin constituted under 0.1% of the total ‘hard money’ basket. At the time, that basket was valued at approximately \$6.8 trillion, representing about 10% of global money supply. A decade later, Bitcoin’s market cap has grown to over \$2.3 trillion, now making up nearly 8% of a hard money basket that has expanded to over \$30 trillion in value. As a result, the overall share of hard monetary assets relative to global money supply has more than doubled, reflecting a growing investor response to structural risks in the traditional financial system.

Figure 3: Growth in Bitcoin’s Share of the Hard Money Basket (2015–2025)



Sources: Bloomberg, CoinGecko, World Gold Council. As of October 10, 2025. **Historical performance is not an indication of future performance and any investments may go down in value.**

This shift has been driven by both structural and cyclical forces. The emergence of institutional-grade infrastructure—custodians, prime brokers, and regulated financial products such as ETFs<sup>1</sup>—has improved access and credibility. At the same time, dwindling trust in institutions and a changing macro landscape have supported bitcoin’s role as an emerging store of value and strengthened its perception as ‘digital gold’. Its relative strength during recent episodes of macro stress—including tariff-driven trade tensions<sup>2</sup>, fiscal expansion<sup>3</sup>, and bond market volatility<sup>4</sup>—has only accelerated this shift.

In particular, bitcoin’s decoupling from traditional risk assets such as tech equities was evident in early April, when perceived threats to central bank independence sent prices upward<sup>5</sup>. Between March 31 and April 21, bitcoin rose 6.0%, gold climbed 9.6%, and the Nasdaq fell 7.6%<sup>6</sup>. These dynamics have acted as a litmus test for bitcoin’s investment thesis, highlighting its potential in periods of policy uncertainty. Recent price action and its rising share of hard money signals a broader trend toward its emergence as a credible, asymmetric complement to gold in a world increasingly hedging against currency debasement.

<sup>1</sup> Exchange-Traded Funds.

<sup>2</sup> “Trump Tariffs on China Actually 145%, Says White House,” Wall Street Journal, April 10, 2025.

<sup>3</sup> “The Stark Math on the GOP Tax Plan: It Doesn’t Cut the Deficit,” Wall Street Journal, May 19, 2025.

<sup>4</sup> “Bond Vigilantes,” Bloomberg Explainers, May 20, 2025.

<sup>5</sup> “Why Bitcoin ‘decoupling’ from stocks is a big deal in crypto,” DL News, April 22, 2025.

<sup>6</sup> Bloomberg, measured using XBTUSD for bitcoin return in USD, XAUUSD for gold return in USD, and NDX Index for USD return of the Nasdaq Index.

## FORECASTING: WHAT CAN WE EXPECT FOR GOLD AND BITCOIN IN THE NEXT 5 YEARS? IN 25 YEARS?

To anticipate potential valuations for bitcoin and gold, we must first understand where the global macro backdrop is likely headed. The re-election of Donald Trump and appointment of his cabinet have reintroduced aggressive fiscal and industrial policy objectives. However, early assessments of the proposed programs suggest that deglobalization is underway, and reducing the deficit may be out of reach.

The path of least resistance in policy continues to favor stimulus over austerity. With political incentives making spending cuts unpalatable, the go-to strategies to grow or 'inflate your way out of the debt' seems inevitable. This dynamic strongly suggests continued expansion of the monetary base.

### The Framework

Our model estimates future market capitalizations and subsequent prices for gold and bitcoin based on the following key inputs:

1. Forecasted global money supply (in a deflationary, base, and inflationary case).
2. The total share of global money supply allocated to 'hard money' assets.
3. Bitcoin's share of that 'hard money' asset pool.
4. Projected supply of gold and bitcoin over time.

A simple formula captures the logic:

$$\text{Price}_{\text{Bitcoin}} = M \times H \times B / S_{\text{Bitcoin}}$$

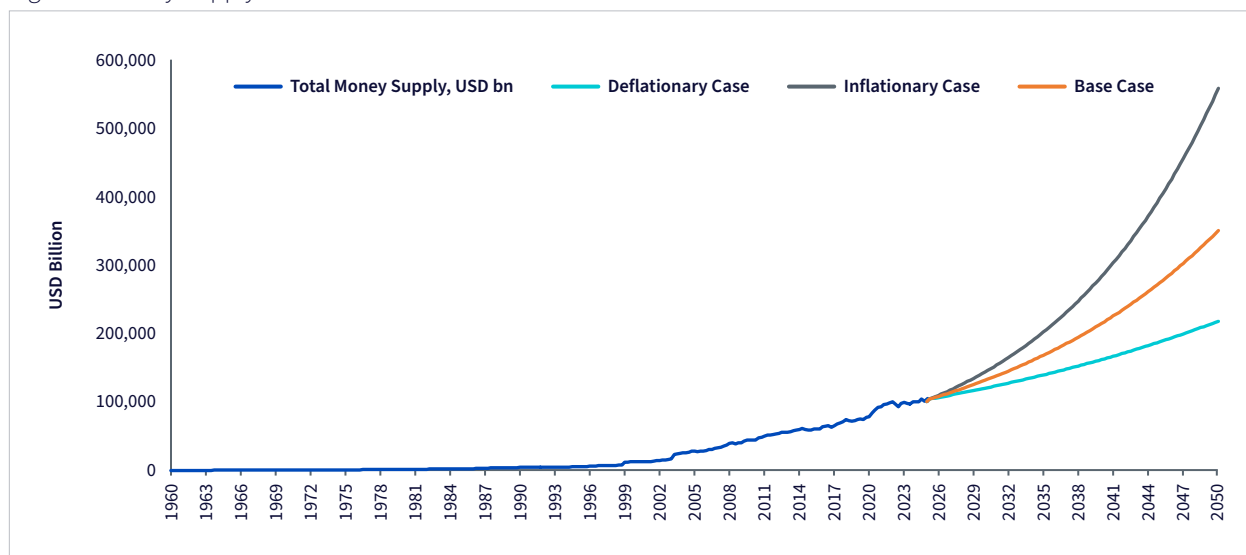
Where  $H$  is the hard-asset share of money supply  $M$ ,  $B$  is bitcoin's share of the hard-asset basket, and  $S$  is supply. For gold price, just replace  $B$  and  $S_{\text{Bitcoin}}$  with  $1-B$  and  $S_{\text{Gold}}$ , respectively. For  $S$ , supply schedules are transparent for bitcoin and can be estimated for gold with relatively low uncertainty, given the small amount of newly mined gold per year. For  $M$ ,  $H$ , and  $B$ , we can use history as a reference to frame out scenarios in alignment with what has occurred in past market regimes.

As of early 2025, the estimated global money supply across major economies stands just beyond \$103 trillion. Combined hard monetary assets, gold and bitcoin, are valued at approximately \$30 trillion, equal to about 29% of global money. Of this, bitcoin alone comprises \$2.3 trillion, or ~8% of the hard-asset pool<sup>7</sup>. These values anchor our assumptions across each scenario in our model projections.

<sup>7</sup> As of October 2025.

Since 1970, global money supply growth has varied significantly across macroeconomic regimes, with annual rates exceeding 10% during inflationary periods and falling to just above 2% in environments such as the early 1990s. These historical ranges form the basis for our forward-looking assumptions. We model three distinct growth trajectories: the **Deflationary** case, the **Base** case, and the **Inflationary** case. Each reflects a plausible macroeconomic path, with corresponding inputs anchored in historical precedent and supported by coherent narratives around inflation, fiscal policy, and investor behavior.

Figure 4: Money Supply Forecasts for Each Case



Source: Bloomberg, WisdomTree. **Forecasts are not an indicator of future performance and any investments are subject to risks and uncertainties.**

### Deflationary Case (3% Money Supply Compound Annual Growth Rate (CAGR))

In this scenario, governments and central banks return to a path of fiscal discipline and tighter monetary conditions. Inflation moderates, real interest rates rise, and nominal money growth slows materially. While this path echoes the disinflationary backdrop of the 1990s and early 2000s, we view it as the least probable outcome given the current fiscal starting point.

- Global money supply compounds at 3%, reaching ~\$120 trillion by end of 2030
- The value of hard money assets declines moderately from current levels to approximately 25% of money supply, slightly above the historical median, resulting in a combined market capitalization of bitcoin and gold of ~\$30 trillion
- Bitcoin's share of the hard-asset pool grows from 2025's 8% level to 10%, a modest continuation of adoption trends
- Bitcoin follows its forecasted supply schedule and remains capped, while gold continues to be mined growing supply at 1.5% annually with a decay factor 0.95<sup>8</sup> (this holds for each scenario)

<sup>8</sup> Each year, the mining growth rate is multiplied by 0.95, and therefore the growth rate decays by 5%. Historically, gold has been mined at a rate between 0.5% and 1.5% of supply. Current levels are closer to the latter rate, but World Gold Council estimates depleting below ground supply that aligns with reduced mining production in the years to come.

In the deflationary case, we estimate a 2030 year end bitcoin price of ~\$150,000, reflecting a ~6.4% compound annual growth rate from the current 2025 price levels of ~\$110,000. Gold is projected to fall to \$3,750 per ounce, retreating from most recent price levels of ~\$4,300 as investor appetite wanes and prices suffer temporarily. By 2050, bitcoin rises to approximately \$266,000 (a 3.6% CAGR), while gold increases to \$5,900 per ounce (a 1.3% CAGR).

This scenario serves as a useful lower-bound anchor for valuation. Even in an environment of monetary restraint and reduced inflation, bitcoin and gold's stable supply still supports long-term value preservation. In this scenario, bitcoin's positive price return is primarily tied to a modest increase in adoption, while gold's pullback is tied to investor's shifting demand for yield-bearing assets as they move out further on the risk curve.

### **Base Case (5% Money Supply CAGR)**

Our central scenario assumes a continuation of prevailing dynamics: mild but persistent inflation around central bank targets, moderate real GDP growth, and a steady expansion of global liquidity. This path closely tracks the historical average global money supply growth of the past 50 years.

- Global money supply reaches ~\$134 trillion by end of 2030.
- The relative value of hard money assets to money supply rises to 35%, a modest increase from current levels, expanding combined market capitalization of gold and bitcoin to ~\$47 trillion.
- Bitcoin's share of the 'hard money' basket rises to 12%, as adoption continues to accelerate on the back of institutionalization of the asset class.
- Supply remains constrained on both assets as described in the deflationary case.

Under these assumptions, bitcoin is projected to reach \$275,000 by year end 2030, delivering a 20% annualized return from current price levels. Gold rises to approximately \$5,500 per ounce, equating to a 5% CAGR over the same period. By 2050, bitcoin advances to over \$700,000 (a 7.7% CAGR), while gold reaches nearly \$13,000 per ounce, appreciating 4.5% annually.

This scenario reflects a continuation of current macro conditions: moderate inflation, modest real growth, and persistent monetary expansion. As liquidity increases, investors gradually reallocate to scarce monetary alternatives. Bitcoin continues to gain share alongside gold, which remains an anchor asset without being displaced.

<sup>9</sup> GDP = gross domestic product.

### Inflationary Case (7% Money Supply CAGR)

The high-end scenario reflects accelerating monetary expansion amid unresolved fiscal stress, rising debt burdens, and the political appeal of inflation as a hidden tax on debt. In this regime, investor demand for non-sovereign stores of value rises as investor confidence erodes.

- Global money supply expands to \$150 trillion by 2030 year end.
- The relative value of hard money assets to money supply climbs to nearly 45%, elevated but still well below historical peaks seen during the 1970s inflation shock.
- Combined market value for hard money assets gold and bitcoin reaches over \$65 trillion.
- Bitcoin captures 15% of this value—reflecting the momentum of institutional adoption and its alignment with the zeitgeist of increasing skepticism of traditional, centralized monetary system.
- Supply remains constrained on both assets as described in the deflationary case.

In this scenario, where inflation reaccelerates and trust deteriorates, bitcoin is forecast to reach \$475,000 by 2030, delivering a 34% CAGR. Gold also sees meaningful appreciation, rising to over \$7,000 per ounce, reaching an 11% annualised return from current levels. Holding our assumptions out to 2050, bitcoin and gold approach nearly \$2 million per coin and \$25,000 per ounce, respectively.

These outcomes are consistent with investor behavior during periods of monetary debasement. With bitcoin's supply hard-capped, even modest increases in allocation during inflationary stress can produce disproportionate price impacts. Gold, meanwhile, reasserts its role as a central reserve asset amid rising demand for inflation protection.

Figure 5: Summary of Results

Scenario	Asset	2030 Price	2030 CAGR	2050 Price	2050 CAGR
Deflationary Case	Bitcoin	\$150K	6.4%	\$266K	3.6%
	Gold	\$3.7K	-2.7%	\$5.9K	1.3%
Base Case	Bitcoin	\$275K	20%	\$710K	7.7%
	Gold	\$5.5K	5.1%	\$12.8K	4.5%
Inflationary Case	Bitcoin	\$475K	34%	\$1.8M	12%
	Gold	\$7.4K	11%	\$25K	7.3%

Source: WisdomTree, October 2025. Cumulative average growth rate calculated using prevailing prices at time of writing, Bitcoin \$110,000 and gold \$4,300 per oz. **Forecasts are not an indicator of future performance and any investments are subject to risks and uncertainties.**

## CONCLUSION

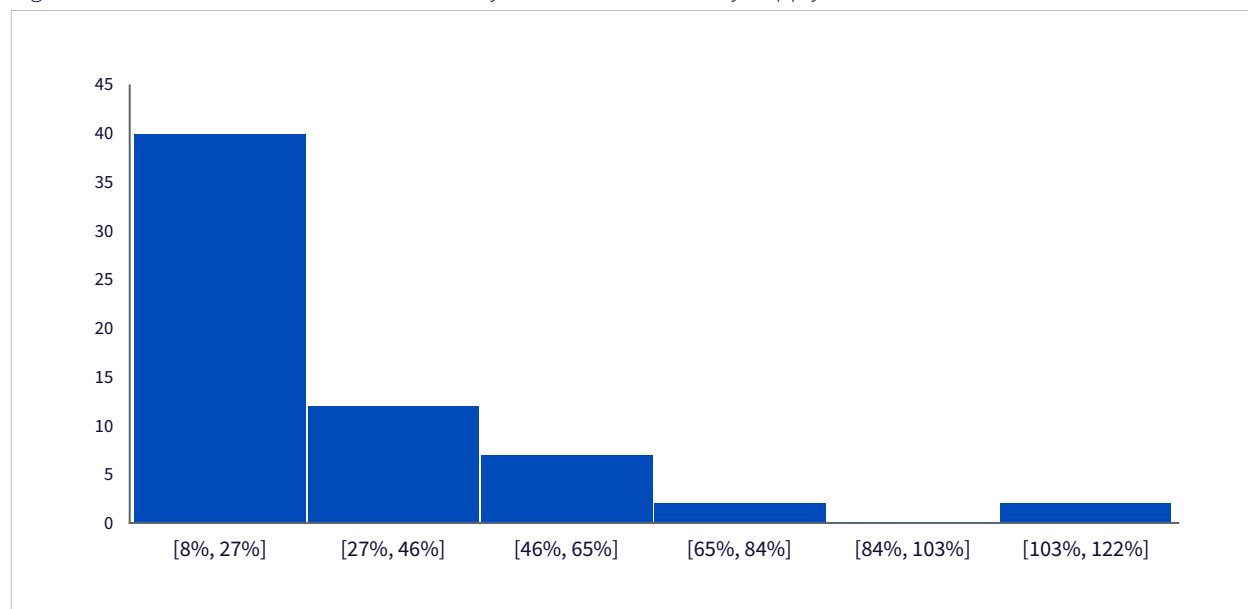
This analysis frames bitcoin and gold as complementary hard monetary assets positioned to benefit from continued monetary expansion. If money supply grows in line with historical trends and investors reallocate toward scarce stores of value, both assets are poised for meaningful upside. In our base case, bitcoin reaches \$275K and gold rises to \$5,500 within the next 5 years. Under more inflationary conditions, valuations could exceed \$475K for bitcoin and \$7K per ounce for gold. With tightly constrained supply and increasing demand for monetary resilience, both assets offer differentiated roles in a diversified hard monetary asset allocation. In a structurally inflationary world, astute investors own both.

## APPENDIX

*All monetary data are drawn from Bloomberg economics indices. Every national M2 figure is converted into nominal U.S. dollars. The seven blocs we track—the United States, the Euro Area, China, Japan, the United Kingdom, India, and Brazil—account for more than 85% of the world’s recorded M2 Money Supply. Including the remainder of the world would enlarge the level data by less than 5% and would not change the exponential growth profile.*

*Although each country defines M2 Money Supply differently, and in the case of India and Australia we actually use M1 due to data limitations, definitional quirks do not alter the long-run log-growth trend, which is the relevant measure for this framework.*

Figure 6: Historical Distribution of Hard Money Ratio to Global Money Supply



Source: Bloomberg, World Gold Council, Coingecko, WisdomTree.

**IMPORTANT INFORMATION**

There are risks associated with investing, including the possible loss of principal. Past performance is not indicative of future results.

**Bitcoin is highly speculative and involves a high degree of risk, including the potential for loss of the entire investment. An investment in bitcoin involves significant risks (including the potential for quick, large losses) and may not be suitable for all investors.**

**The price of gold does not fluctuate and may be affected by numerous factors including supply and demand, the global financial markets and other political, financial, or economic events, which may negatively impact gold prices.**

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