

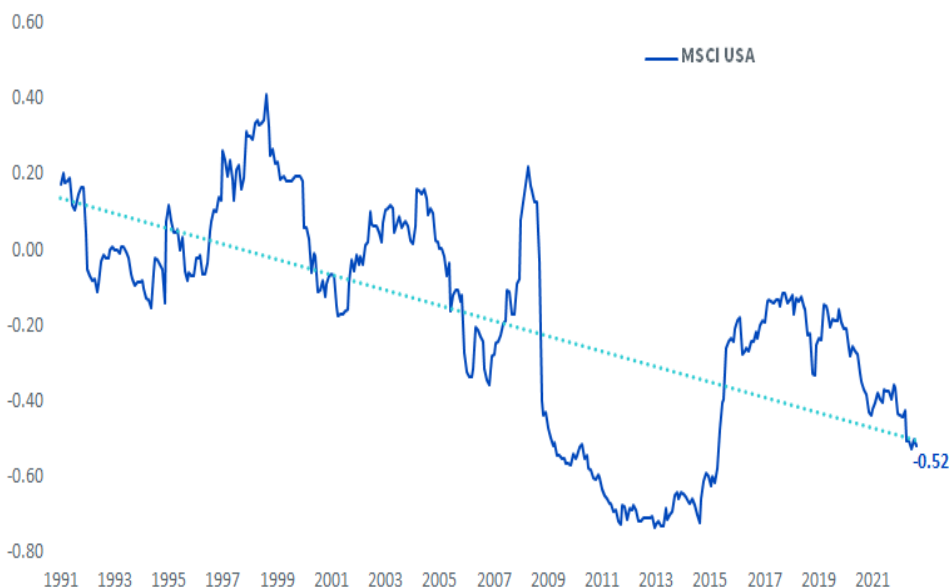
# IS YOUR PORTFOLIO PROPERLY DIVERSIFIED?

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09/16/2022

Many invest abroad under the premise that foreign allocations provide diversification from the declining purchasing power of the U.S. dollar. However, 2022 shows that double-decker exposure to international [stocks](#) and currencies can be an extra downer.

Dollar exposure has been one of the best diversifiers to declining equity and bond markets, and this is not a new trend. The greenback has become increasingly negatively correlated to U.S. stocks over the last three decades.

## Rolling 36-Month Correlation: MSCI USA Index & U.S. Dollar Returns



Sources: WisdomTree, Bloomberg as of 8/31/22. You cannot invest directly in an index.

For definitions of indexes in the chart above, please visit the [glossary](#).

I view this negative [correlation](#) as neither accidental nor spurious, but rather based on [fundamentals](#).

The latest earnings season was full of profit warnings from technology and consumer brand companies and illustrates how a strong dollar presents a powerful headwind to corporate earnings and stock prices.

A Morgan Stanley strategy team estimated the impact of 2022's dollar strength as an 8% headwind to earnings for the [S & P 500](#) this year.

If the S&P 500 and U.S. multinationals have a weak dollar bias embedded in their profit stream, why does it make sense to further pile on foreign [currency risk](#) when you invest abroad?

WisdomTree pioneered currency-hedged investing in 2009 to provide solutions for this precise challenge. A full [currency-hedged](#) strategy is positioned to be net neutral on currency movements—hedged strategies haven't historically benefited when foreign currencies rise but haven't suffered when the dollar has appreciated and foreign currencies have fallen, either. The latter scenario has characterized the first eight months of the year. After such a strong move in the dollar, it is natural to question if the move is over and you missed the 'trade.'

Strategically, I think it is important to have at least a 50% hedge ratio when allocating overseas—this will provide extra dollar diversification relative to traditional unhedged foreign investing, as we show in the chart above on correlations of the dollar to U.S. stocks.

But there are some additional currency factors you can use to tilt the odds more in your favor with a dynamic currency hedge.

Just like there are factors used to invest in equities, there are currency factors as well that include value, momentum and carry (namely, interest rate differentials).

In 2016, we launched a dynamic currency-hedged family of ETFs that raises and lowers the hedge ratios when factors are most favorable. Today the broad, large-cap strategy ([WisdomTree Dynamic Currency Hedged International Equity Fund, DDWM](#)) is about 70% hedged.

**Currency Factors**

Right now, momentum and carry very much favor the dollar, while traditional currency valuation metrics otherwise suggest the dollar looks expensive versus other currencies.

Our value signal on the dollar can get to a half-hedged location when currencies are not more than 20% below purchasing power parity (PPP) levels.

Currently, the Swiss franc (CHF) still measures as expensive versus the dollar on a PPP concept, while the euro (EUR) and yen (JPY) look undervalued. However, other developed market currencies have a mixed value signal, resulting in a half hedge ratio for that measure.

**Latest Currency Hedge Ratios\* by Signal**

Currency	Overlay Ratio			Total Hedge Ratio
	Momentum Signal Hedge Ratio	Interest Rate Hedged Ratio	Value Signal Hedge Ratio	
AUD	33.33%	33.33%	16.67%	83.33%
CHF	33.33%	33.33%	33.33%	100.00%
EUR	33.33%	33.33%	0.00%	66.67%
GBP	33.33%	33.33%	16.67%	83.33%
JPY	33.33%	33.33%	0.00%	66.67%
NOK	33.33%	33.33%	16.67%	83.33%
NZD	33.33%	0.00%	16.67%	50.00%
SEK	33.33%	33.33%	16.67%	83.33%

- + Momentum Signal: When the 10-day moving average of a currency's spot price versus U.S. dollar is weaker than the 240-day moving average (a currency is depreciating), a hedge ratio of 33.3% is applied to the index
- + Interest Rates Signal: If the implied interest rate in the U.S. is > that of a targeted currency using one month FX forward rates, a hedge ratio of 33.3% is applied to the Index
- + Value Signal: A) If a currency is > 20% overvalued against PPP level and until it crosses PPP, the hedge ratio of 33.3% is applied to the Index. B) When a currency is between 20% undervalued and until it crosses one of these levels, the hedge ratio is set to 16.667% (or 1/2 of the signal total hedge ratio) for the Index. C) When an individual currency is >20% undervalued against PPP and until it crosses PPP, the hedge ratio is set to zero to the Index

Sources: WisdomTree, Record Currency Management as of 6/28/22. PPP: Purchasing power parity. \*Hedge ratios rebalance monthly.

This dynamic hedging algorithm has worked out quite well over the last six years. While the [MSCI EAFE](#) currency impact shows a decline of 9.5% since inception of our Index family, the WT Dynamic FX returns are +15.7%.

**Cumulative FX Performance, 10/31/15–6/30/22**



WT Dynamic FX Returns computed by comparing returns of the WisdomTree Dynamic Currency Hedged International Equity Index and the WisdomTree International Equity Index. MSCI EAFE FX Returns computed by comparing returns of the MSCI EAFE Index (USD) and the MSCI EAFE Index (Local). Past performance is not indicative of future results. You cannot invest directly in an index. Index performance does not represent actual fund or portfolio performance. A fund or portfolio may differ significantly from the securities included in the index. Index performance assumes reinvestment of dividends but does not reflect any management fees, transaction costs, brokerage commissions on transactions. Such fees, expense and commissions would reduce returns.

We have a broad international value strategy ([DDWM](#)) and international small-cap ([WisdomTree Dynamic Currency Hedged International SmallCap Equity Fund, DDLS](#)) strategy with this dynamic hedge feature. Both strategies on an unhedged basis have 16-year histories that were part of the original 20 dividend ETFs WisdomTree launched in 2006.

Both Funds have received five-star ratings from Morningstar as of August, based on risk-adjusted returns in the Foreign Large Value and Foreign Small/Mid Value categories, respectively. See our [Morningstar ratings page](#) for more info<sup>1</sup>.

The stars are a quick way of summarizing these strategies as having delivered strong risk-adjusted returns, and there is a good emphasis on the risk-reduction properties that come with the dynamic currency hedge.

The dynamic currency hedge contained in [DDWM](#)—when compared to the same basket of equities without the currency hedge (available via [DWM](#))—added about 250 [basis points](#) per year over the last six years.

The currency hedge value-add to returns was high over this period, but the risk reduction is what we would expect on a longer-run basis.

	DDWM	DWM	MSCI EAFE Index	MSCI EAFE Value Index
Annualized NAV Total Return Since DDWM Inception (1/7/16)	6.24%	3.70%	4.68%	3.44%
Standard Deviation	12.60%	14.30%	14.70%	16.40%
Beta	0.83	0.89	1.00	1.04

Sources: WisdomTree, FactSet, Bloomberg, as of 8/31/22. You cannot invest directly in an index. **Performance is historical and does not guarantee future results. Current performance may be lower or higher than quoted. Investment returns and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than their original cost.** WisdomTree shares are bought and sold at market price (not NAV) and are not individually redeemed from the Fund. Total returns are calculated using the daily 4:00 p.m. EST net asset value (NAV). Market price returns reflect the midpoint of the bid/ask spread as of the close of trading on the exchange where Fund shares are listed. Market price returns do not represent the returns you would receive if you traded shares at other times.

For the most recent standardized performance, 30-day SEC yield and month-end performance click the respective ticker: [DDWM](#), [DDLS](#), [DWM](#).

### Implementing a Rules-Based Approach

This year's currency moves have caught most investors by surprise. But our dynamic hedging family has maintained hedge ratios above 60% all year long. These strategies incorporate a rules-based process to adjust

currency exposure, rather than remaining completely exposed.

If going to currency-neutral using a fully hedged approach is a step too far from your status quo, I'd encourage you to evaluate our dynamically hedged family to incorporate an element of risk management and added diversification.

<sup>1</sup> The Foreign Large Value category contains 317 funds. The Small/Mid Value category contains 56 funds. Ratings are continuously monitored and reevaluated at least every 14 months.

#### Important Risks Related to this Article

There are risks associated with investing, including the possible loss of principal. Foreign investing involves special risks, such as risk of loss from currency fluctuation or political or economic uncertainty. The Funds invest in derivatives in seeking to obtain a dynamic currency hedge exposure. Derivative investments can be volatile, and these investments may be less liquid than other securities, and more sensitive to the effects of varied economic conditions. Derivatives used by the Funds may not perform as intended. A Fund that has exposure to one or more sectors may be more vulnerable to any single economic or regulatory development. This may result in greater share price volatility. The composition of the Index underlying the Funds is heavily dependent on quantitative models and data from one or more third parties, and the Index may not perform as intended. The Funds invest in the securities included in, or representative of, their Index regardless of their investment merit, and the Funds do not attempt to outperform their Index or take defensive positions in declining markets. Please read the Funds' prospectus for specific details regarding the Funds' risk profiles.

#### **No amount of diversification or non-correlation can ensure profits of prevent loss.**

For the top 10 holdings of DDWM please visit the Fund's fund detail page at <https://www.wisdomtree.com/investments/etfs/equity/ddwm>

For the top 10 holdings of DDLS please visit the Fund's fund detail page at <https://www.wisdomtree.com/investments/etfs/equity/ddls>

For standardized performance and the most recent month-end performance click [here](#) NOTE, this material is intended for electronic use only. Individuals who intend to print and physically deliver to an investor must print the monthly performance report to accompany this blog.

#### Related Funds

- + [WisdomTree Dynamic Currency Hedged International SmallCap Equity Fund](#)
- + [WisdomTree Dynamic Currency Hedged International Equity Fund](#)
- + [WisdomTree International Equity Fund](#)

View the online version of this article [here](#).

## **IMPORTANT INFORMATION**

**U.S. investors only: Click [here](#) to obtain a WisdomTree ETF prospectus which contains investment objectives, risks, charges, expenses, and other information; read and consider carefully before investing.**

There are risks involved with investing, including possible loss of principal. Foreign investing involves currency, political and economic risk. Funds focusing on a single country, sector and/or funds that emphasize investments in smaller companies may experience greater price volatility. Investments in emerging markets, currency, fixed income and alternative investments include additional risks. Please see prospectus for discussion of risks.

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You cannot invest directly in an index.

## DEFINITIONS

**Stock** : A stock (also known as equity) is a security that represents the ownership of a fraction of a corporation. This entitles the owner of the stock to a proportion of the corporation's assets and profits equal to how much stock they own. Units of stock are called "shares."

**Correlation** : Statistical measure of how two sets of returns move in relation to each other. Correlation coefficients range from -1 to 1. A correlation of 1 means the two subjects of analysis move in lockstep with each other. A correlation of -1 means the two subjects of analysis have moved in exactly the opposite direction.

**Fundamentals** : Attributes related to a company's actual operations and production as opposed to changes in share price.

**S&P 500 Index** : Market capitalization-weighted benchmark of 500 stocks selected by the Standard and Poor's Index Committee designed to represent the performance of the leading industries in the United States economy.

**Currency risk** : the risk that an investment will decline in value due to a change in foreign exchange rates.

**Currency hedging** : Strategies designed to mitigate the impact of currency performance on investment returns.

**MSCI EAFE Index** : is a market cap-weighted index composed of companies representative of the developed market structure of developed countries in Europe, Australasia and Japan.

**Basis point** : 1/100th of 1 percent.