The case for currency management in managed account portfolios

IMAP | February 2019 Jonathan Shead, Head of Retirement Solutions, Australia

Introducing Currency

Risk

All the information contained in this presentation is as of date Indicated unless otherwise noted

Why invest globally?

Diversification 1: \rightarrow Economies

Diversification 2: \rightarrow Industries

Diversification 3: \rightarrow Companies

Source: SSGA. For illustration purposes only Diversification does not ensure a profit or guarantee against loss.

Remember these drawdowns?



Source SSGA, MSCI. Past performance is not a reliable guide to future performance. Sharemarket returns are calculated from MSCI Australia Gross, MSCI UK Net, MSCI USA Net, MSCI Japan Net, MSCI Italy Net. Hedge returns are estimated by SSGA using spot rates and short term interest rates.

A Practical Example

A hypothetical holding: Pfizer Inc. (American Healthcare Company)

29 December 2017

- Share price US\$ 36.22
- Buy 10,000 shares
- Cost US\$ 362,200
- Exchange Rate 78.21c
- Sell AU\$463,112 and buy US\$362,200 to pay for shares

2 31 December 2018

- Share price US\$ 43.65
- Sell 10,000 shares
- Proceeds US\$ 436,500
- Exchange Rate 70.40c
- Sell US\$436,500 and receive AU\$620,028

3 Your return (ignoring dividends)

- Share Price: +20.5%
 US\$36.22 to 43.65
- Exchange Rate: +11.1%
 78.21c to 70.40c
- Total Return: +33.9%
 - AU\$463,112 to 620,028

Source: SSGA

The information contained above is for illustrative purposes only.

Recent market history

Period	Global Sharemarket Performance (% Total return)	Impact of Foreign Currency (% Total Return)	Combined Return for Australian Investors (% Total Return)
28 February 2009 to 30 April 2013	123.3	-92.2	31.2
30 April 2013 to 31 October 2015	37.4	+41.7	79.1
31 October 2015 to 31 December 2018	32.1	-8.4	23.7

Source: MSCI, S&P, SSGA. Indices used: MSCI World ex Australia for Global Equities. AUD Hedged return has been estimated by SSGA. Foreign currency is the "in AUD" return less the "100% AUD Hedged" return. Past performance is not a reliable guide to future performance. Index returns reflect capital gains and losses, income, and the reinvestment of dividends. Index returns are unmanaged and do not reflect the deduction of any fees or expenses.

Currency Risk

Movements in exchange rates can change a profitable share investment into a loss making one (or a loss making investment into a profitable one)

Total return on global equity investment = Share price movement + Dividends + Movements in exchange rate

Source: SSGA

Managing Currency Risk

- When the AUD weakens, exposure to foreign currencies adds to your returns
- When the AUD strengthens, exposure to foreign currencies detracts from your returns
- "Currency Hedge": A strategy to remove the impact of exchange rates from returns

A Balanced Portfolio View on Currency Risk

"I have some foreign currency exposure. Should I hedge it or not?"

Source: SSGA. For illustration purposes only

"Do I want any foreign currency exposure in my portfolio? If so, which ones and how much?"

Source: SSGA. For illustration purposes only

Foreign Currency as an Asset Class

✓ Risks

Correlation / Diversification

✓ Returns

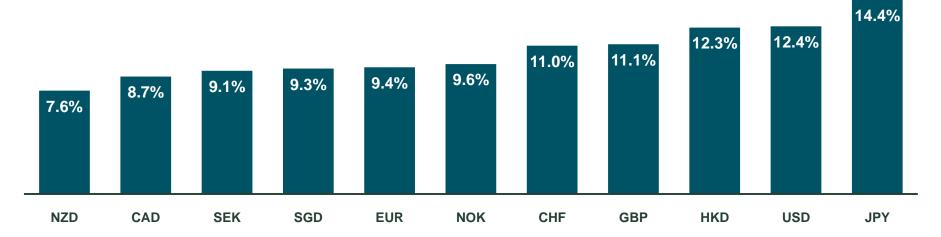
= Allocation

Source: SSGA. For illustration purposes only. Diversification does not ensure a profit or guarantee against loss.

Different Risks by Currency

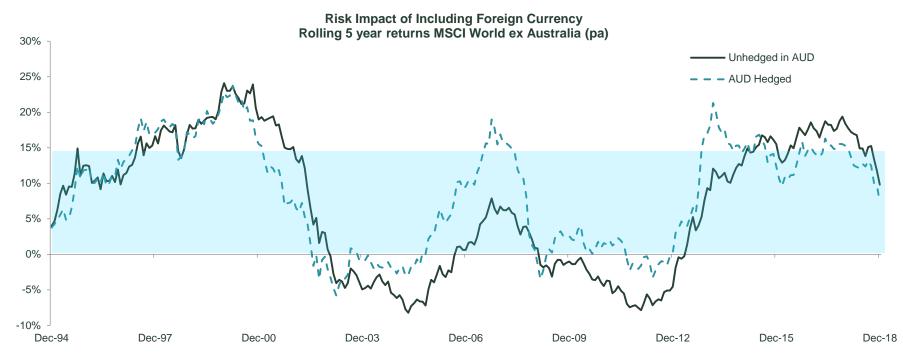
Volatility of monthly AUD spot rates (pa)

20 years to 31 December 2018



Source: SSGA. Past performance is not a reliable guide to future performance.

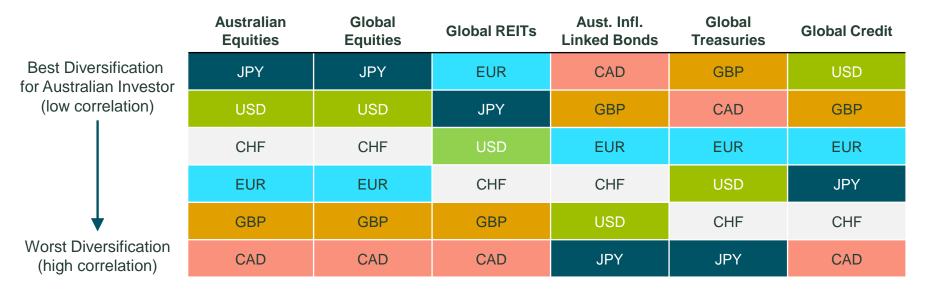
Long Term Risk for Equities & Currency



Source: SSGA, MSCI. Past performance is not a reliable guide to future performance. Index returns reflect capital gains and losses, income, and the reinvestment of dividends. Hedged returns have been estimated by SSGA to 31 December 2018.

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Different Diversification



Source: MSCI, S&P, SSGA. Indices used: S&P ASX 200 for Australian Equities, MSCI World ex Australia Hedged to AUD for Global Equities where hedged returns have been estimated by SSGA, FTSE EPRA/NAREIT Developed Liquid Index in Local Currency for Global REITs, FTSE Non-AUD World Government Bond Index Hedged to AUD for Global Treasuries. Past performance is not a reliable guide to future performance. Index returns reflect capital gains and losses, income, and the reinvestment of dividends

Do you assess equity return potential?

Global Equity Market Price to Book Ratios (P/B)

15 years to 30 June 2018



Currency Valuations

Currencies can also move from "cheap" to "expensive"



Source: SSGA, Factset As at 31 Jan 2019

Currency Valuations

Very long term economic value considerations include:

- Inflation (How much does a hamburger cost?)
- Terms of Trade (Prices of exports vs prices of imports)
- Productivity

Other considerations include

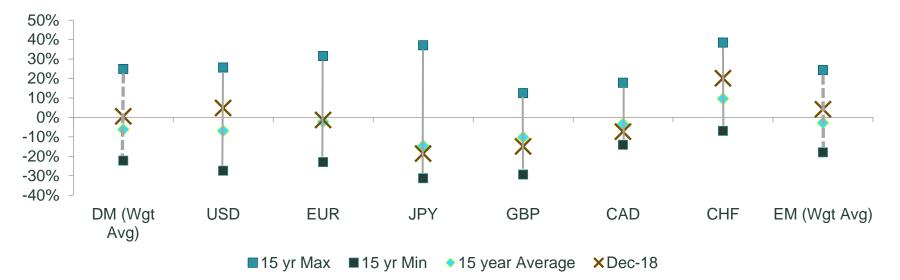
- Interest Rate
- Every currency is different
 - US dollar might be "expensive" while Japanese yen is "cheap" compared to Australian dollar
- Avoiding large transaction costs

Source: SSGA

Assessing currency return potential

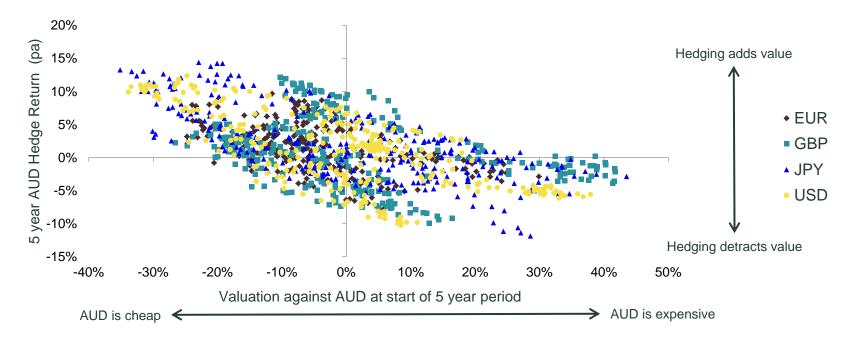
Currency Valuations relative to Long Term PPP

15 years to 31 December 2018



Source: SSGA from December 1989 to December 2018. The results shown represent current results generated by our SSGA Purchasing Power Parity equilibrium model. The results do not reflect actual trading and do not reflect the impact that material economic and market factors may have had on SSGA's decision-making. The results shown were achieved by means of a mathematical formula, and are not indicative of actual future results which could differ substantially.

Long Term Value in Currencies



Source: SSGA, from December 1989 to December 2018. Past performance is not a reliable guide to future performance. The results shown represent current results generated by our SSGA Purchasing Power Parity equilibrium model. The results do not reflect actual trading and do not reflect the impact that material economic and market factors may have had on SSGA's decision-making. The results shown were achieved by means of a mathematical formula, and are not indicative of actual future results which could differ substantially.

How to Implement in Managed Accounts

Hedging Currency Risk

Total return on global equity investment = Share price movement + Dividends + Movements in exchange rate + Return of "Currency Hedge"

These two parts offset each other

Source: SSGA

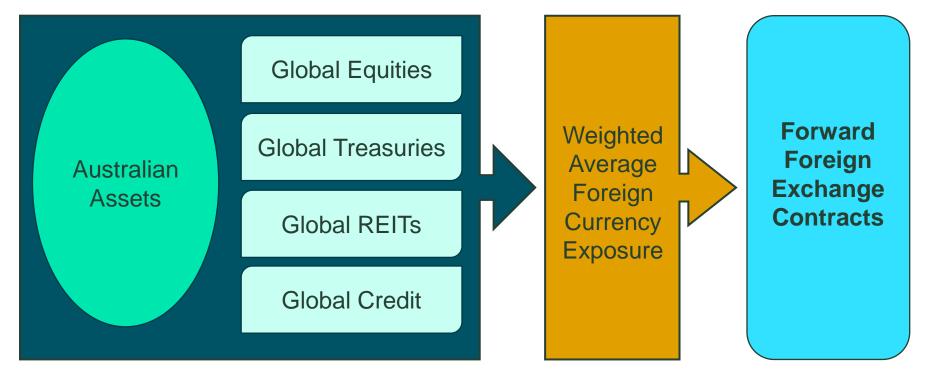
Active Currency Hedging

Passive currency hedging

- Protects returns when exchange rates move "the wrong way"
- Removes the chance to profit when exchange rates move "the right way"

<u>Active</u> currency hedging seeks to protect the portfolio against adverse currency movements while still profiting from positive movements

In Theory, using FFX



Source: SSGA. For illustration purposes only

In Practice, using managed funds only

Portfolio Weights (%)	"Conservative" 30 0-5	"Balanced" 50 15-20	"Growth" 70 30-40
Target Growth Exposure Target FX Exposure			
Growth Assets			
Australian Equities	12	20	28
International Equities: Unhedged	0	5	16
International Equities: 0-100% Hedged	0	5	10
International Equities: Hedged	12	10	2
Global REITs: Unhedged	6	10	14
Defensive Assets			
Australian Fixed Income	28	20	12
Global Fixed Income: Hedged	28	20	12
Cash	14	10	6
Actual Growth Exposure	30	50	70
Actual FX Exposure	6	15-20	30-40

Source SSGA. The information contained above is for illustration purposes only , using an Australian investor portfolio as an example.

A Global Equity Portfolio View on Currency Risk

Digging deeper – at stock level



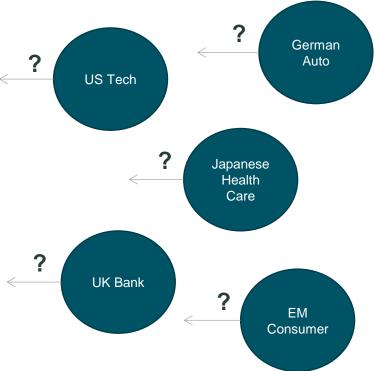


Global:

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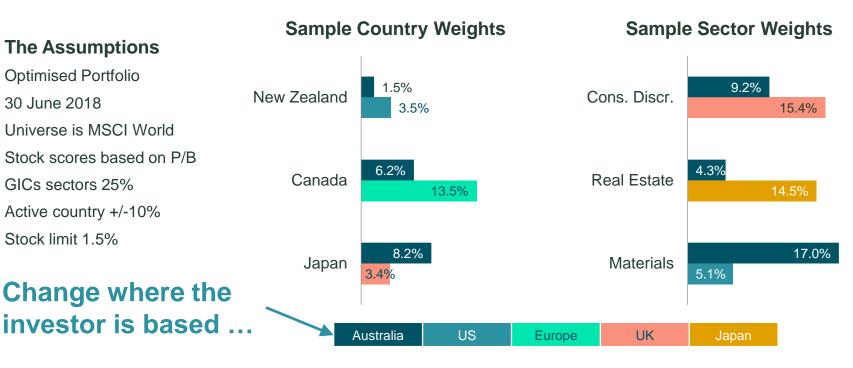
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Economic growth Resource demand



Source: SSGA. For illustration purposes only

Digging deeper – a naive example



Source: SSGA. For illustration purposes only

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Conclusions

- Currency risks are not stable and should be managed.
- Short term and long term risk of currency exposures are not the same.
- Valuation matters. Currency is no different.
- Global equity portfolios should be tailored for the base currency of the investor.

Questions?

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Currency Hedging involves taking offsetting positions intended to substantially offset currency losses on the hedged instrument. If the hedging position behaves differently than expected, the volatility of the strategy as a whole may increase and even exceed the volatility of the asset being hedged. There can be no assurance that the Fund's hedging strategies will be effective.

Currency Risk is a form of risk that arises from the change in price of one currency against another. Whenever investors or companies have assets or business operations across national borders, they face currency risk if their positions are not hedged.

Hedge ratio is defined as the amount of local currency sold against the base currency underlying foreign exposures in the portfolio.

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Standard deviation is a historical measure of the degree to which a fund's returns varied over a certain period of time. It is normally shown over a time period of 36 months, but the illustrations noted in this material reflect a shorter time frame. This may not depict a true historical measure, and shouldn't be relied upon as an accurate assessment of volatility. The higher the standard deviation, the greater the likelihood (and risk) that a fund's performance will fluctuate and have greater potential for volatility; a lower standard deviation indicates past returns have been less volatile.

The use of leverage, as part of the investment process, can multiply market movements into greater changes in an investment's value, thus resulting in increased volatility of returns.

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