

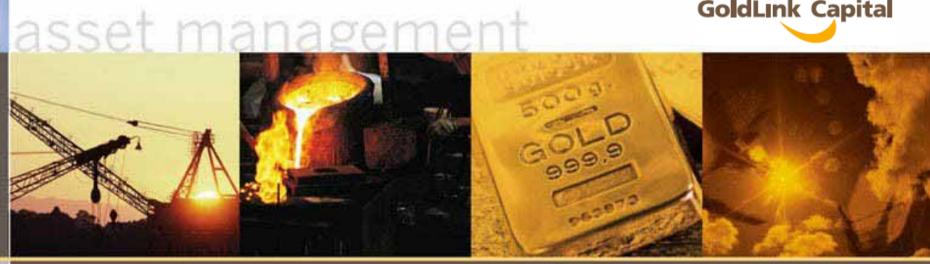


# 5th Annual PortfolioConstruction Conference

23 – 24 August 2006 | AJC Convention Centre, Randwick, Sydney

Pillars for building better quality investor portfolios...





#### Global commodities

- capturing the boom without the bust

Brett Dobeson, Associate Director

PortfolioConstruction Conference 2006



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#### Contents

- Commodity boom Set to continue?
- Commodities as an asset class
- Passive commodity investment strategies (beta)
- Active commodity investment strategies (alpha)
- Avoiding the commodity bust

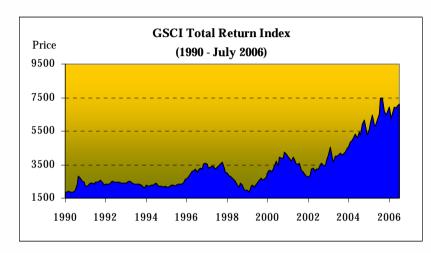


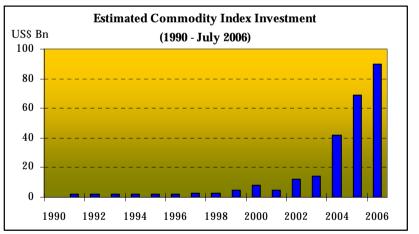
Commodity boom set to continue?



# Key drivers

- The China story
- Supply constraints
- Global economy
- Geo-political risk
- Investment demand





Source: GoldLink, Bloomberg, Goldman Sachs



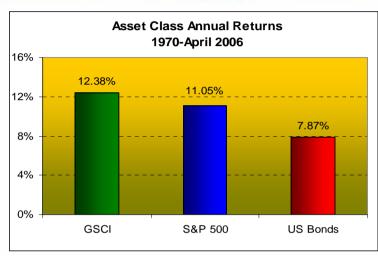
### Commodities as an asset class

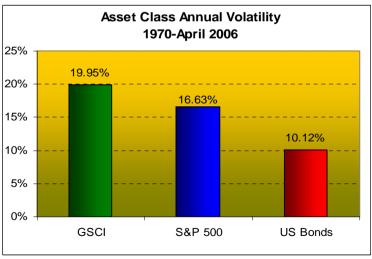


# Why Commodities

- Excess returns
- Equity like volatility
- Low correlation to traditional assets
- Hedge against inflation and event risk

Source: GoldLink, Bloomberg, Goldman Sachs

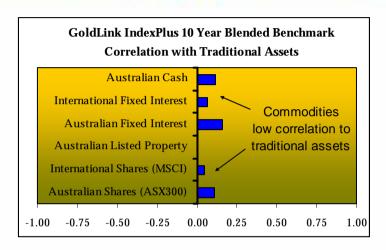


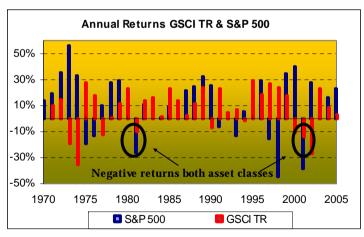




#### Low correlation

- Low correlation to traditional assets
- Portfolio diversification
- GSCI and S&P 500 rarely generate a negative return in the same year



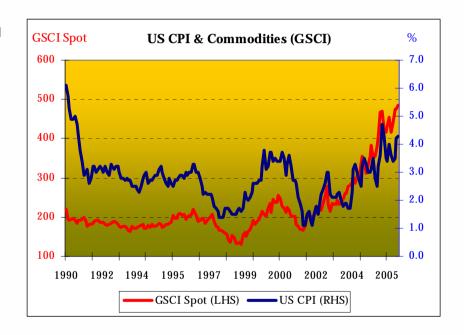


Source: DJAIG, GSCI, Bloomberg & GoldLink- Monthly total return return data



## Commodities as a hedge

- Commodities strong correlation to inflation
- Traditional assets negative correlation to inflation
- Commodities as a hedge against event risk



Source: GoldLink, Bloomberg

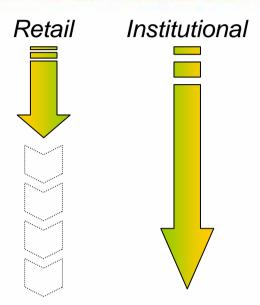


Passive Commodity Investing (Beta)



#### Passive Investment Alternatives

- Exchange Traded Funds (ETFs)
- Commodity related equities
- Structured notes
- Commodity indices





## Commodity Indices

- Estimated US\$90 billion
- Passive long only investment
- Broad commodity exposure (beta)
- Not all commodity indices are created equal

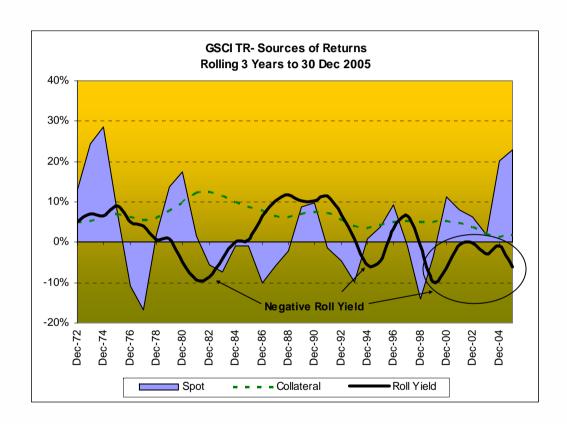
Commodity Index Approximate Weighting						
	GSCI	DJ- AIG	CRB	RICI	DBC	GoldLink Blended
Components	24	19	19	35	6	25
Energy	75%	28%	39%	44%	55%	51%
Industrial Metals	10%	25%	13%	14%	10%	18%
Precious Metals	2%	10%	7%	7%	10%	6%
Agriculture	10%	26%	34%	32%	25%	18%
Livestock	3%	8%	7%	3%	0%	6%
Vegetable Oil	0%	3%	0%	0%	0%	1%

Source: GoldLink, Bloomberg, Goldman Sachs, DJ-AIG, Deutsche Bank



#### Index Return Sources

- Spot
- Collateral Return
- Roll Yield



Source: GoldLink, Bloomberg



Active Commodity Investing (Alpha)



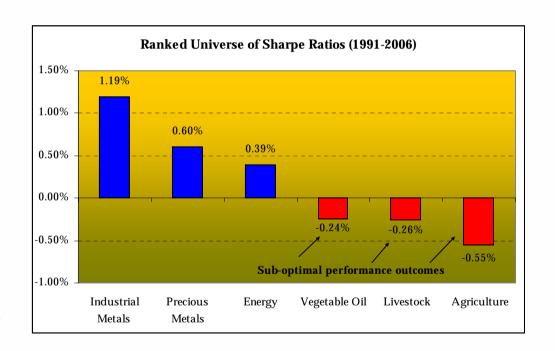
# Active Investment (Alpha)

- Exploit commodity market inefficiencies
- Tactical tilting of sub-sector weightings
- Roll yield
- Collateral enhancement
- Downside risk protection



#### **Index Tactical Tilts**

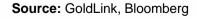
- Avoid sub-optimal performance outcomes
- Tactical tilts generate superior risk adjusted returns
- Energy exposure may reduce portfolio volatility

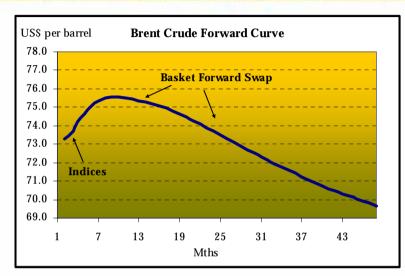


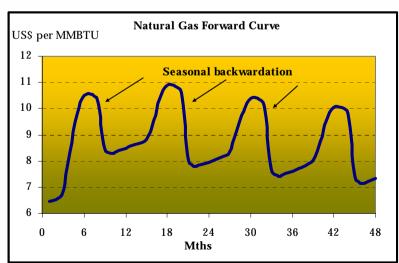


#### Index Roll Yield Enhancement

- Alternative roll dates
- Roll less frequently
- Seasonality
- Exploit backwardation



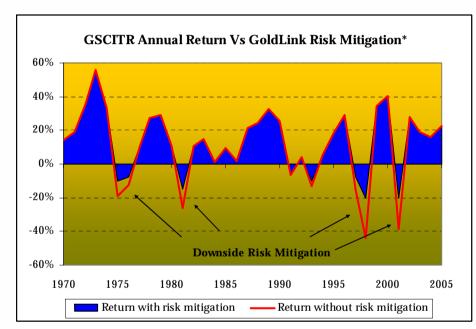






### Avoiding the Bust

- Volatile asset class
- Passive strategies offer no downside protection
- Tactical tilts to reduce overweight exposure
- Option strategies designed to reduce volatility
- GoldLink EnhancedCommodity IndexPlus Fund



<sup>\*</sup> Illustration purposes only, actual results may differ

Source: GoldLink, Bloomberg



## Summary

- Commodities offer portfolio risk return benefits
- Inefficient commodity markets offer alpha opportunities
- Active management may exploit limitations of passive long only commodity investing
- Option strategies to avoid the bust



# Gizmo time

# Which session are you in?

- 6. Tyndall
- 7. AMP Capital Investors
- 8. Schroders
- 9. Nicholas Applegate/Allianz Global Investors
- 10. Challenger Financial Services



# Gizmo time

Please rate the overall quality of this session...

- 1. awful
- 2. Poor
- 3. Mediocre
- 4. Good
- 5. Very good
- 6. Great!





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