



# Battle of the Asset Classes

## IIS 2016 - Infrastructure Debt

BNPP Capital Partners & Orion Partners

November 2016



# The Scene of the Battle - Investment Climate since 2009

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Low interest rates



Low growth



Quantitative Easing

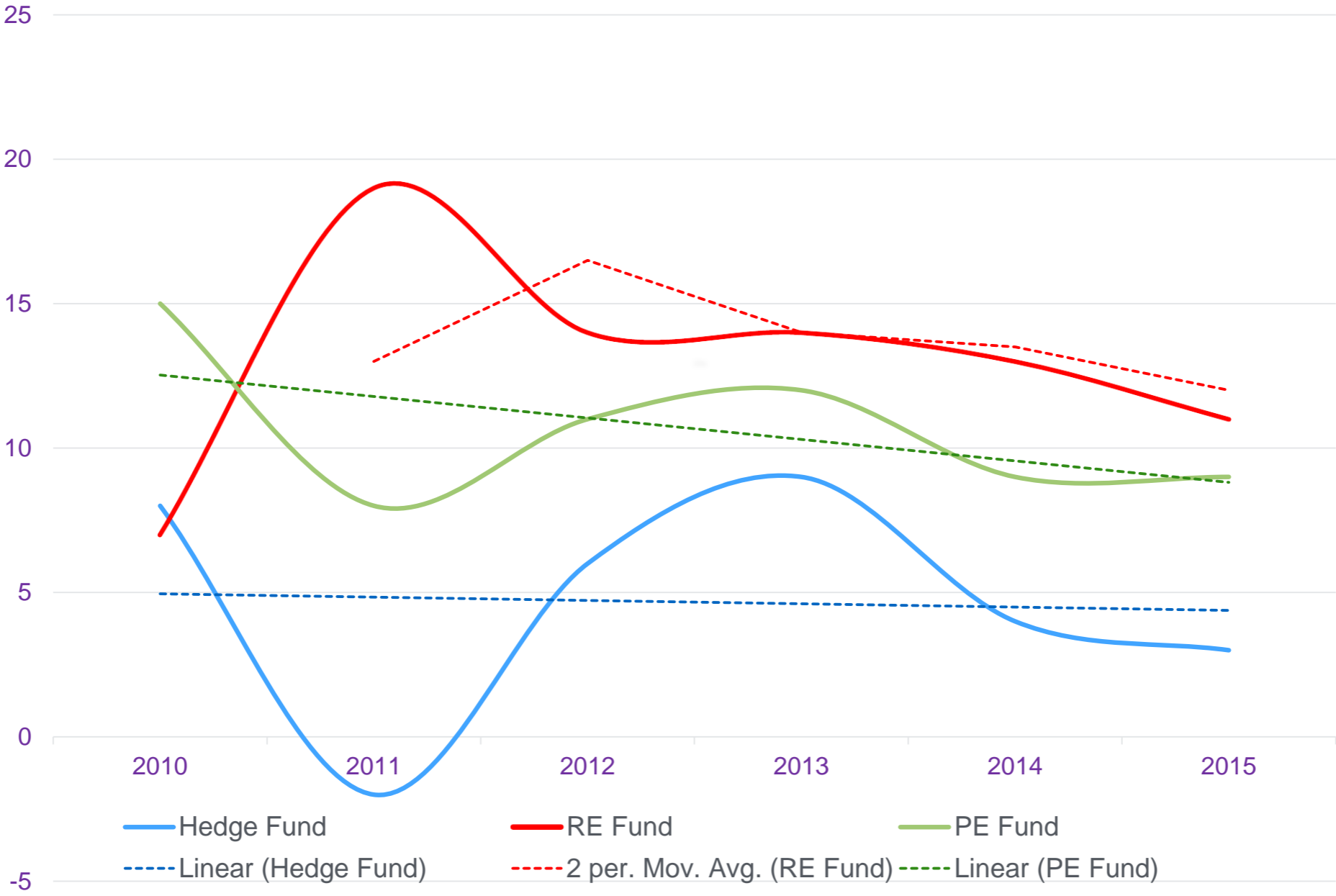


Substantial liquidity seeking yield



- Piling into all asset classes
- Resulted in a market where the risk premium is negligible or unbearable

# Impact on Returns of Asset Classes



Source:  
[Barclays Hedge Fund Index Historical Data](#)  
[PreqinReal Estate Online](#)  
[Pitchbook U.S](#)

# Looking forward

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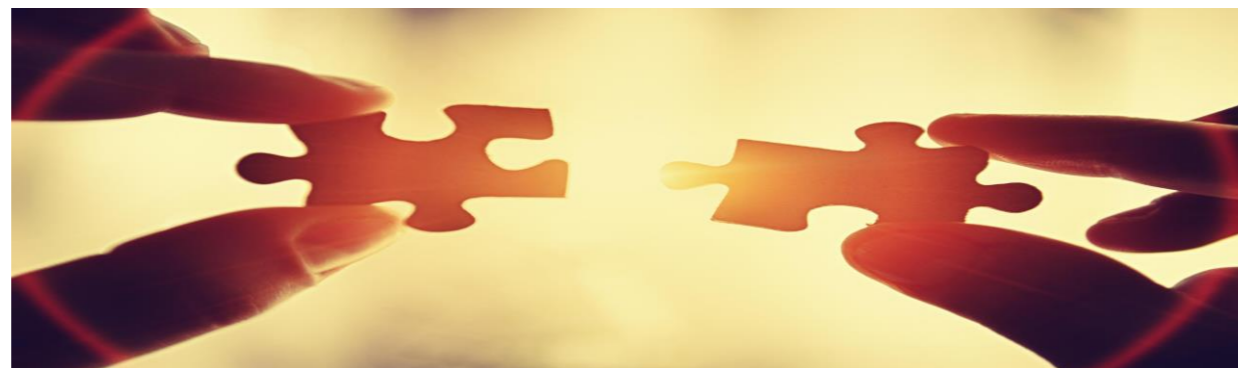
- Average returns on equities will decline by 150 to 400 basis points
- The gap in fixed income could be even wider, with long term returns between 300 to 500 basis points lower
- Institutional and retail investors will face ever-widening gaps in meeting their liabilities
- A classic 40/60 portfolio leaves pension funds with a gap of 2.9 to 5.2%



# Solutions

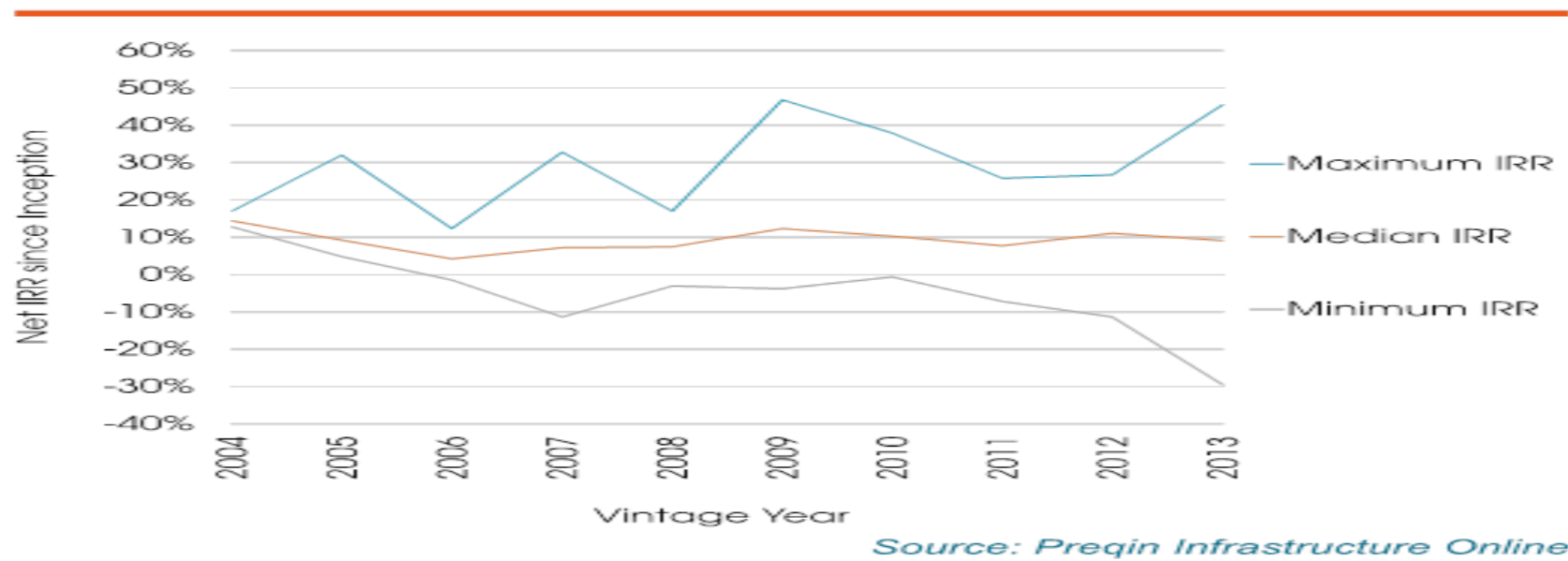
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- Real assets, such as Infrastructure, represent an especially large growth opportunity
- Robust demand for illiquid private market segments is picking up
- Infrastructure in particular represent a distinct opportunity for growth, given the confluence of real world needs and investor demand
- Infrastructure represent a robust growth opportunity, as many institutional investors are hungry for yield but below target allocations
- Target allocations to Infrastructure are on average increasing 50% next year

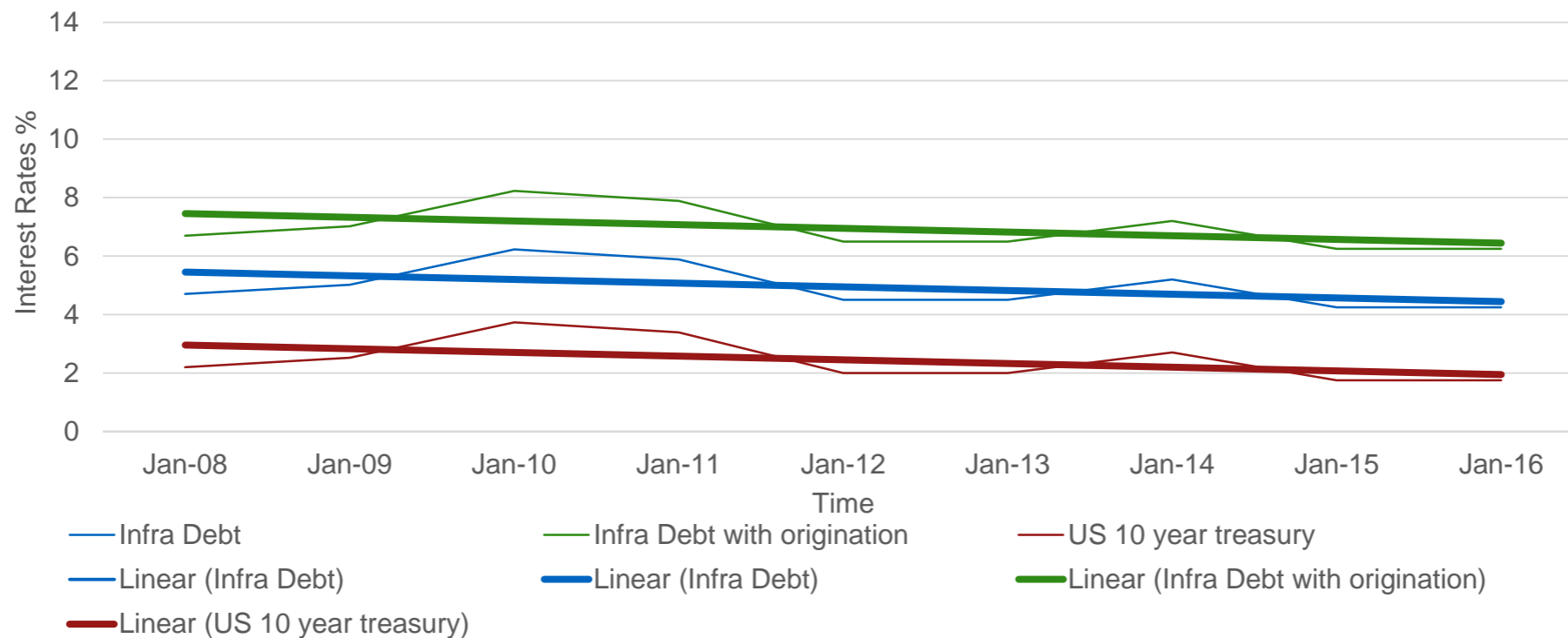


# Infra Equity and Debt

## Infra Equity

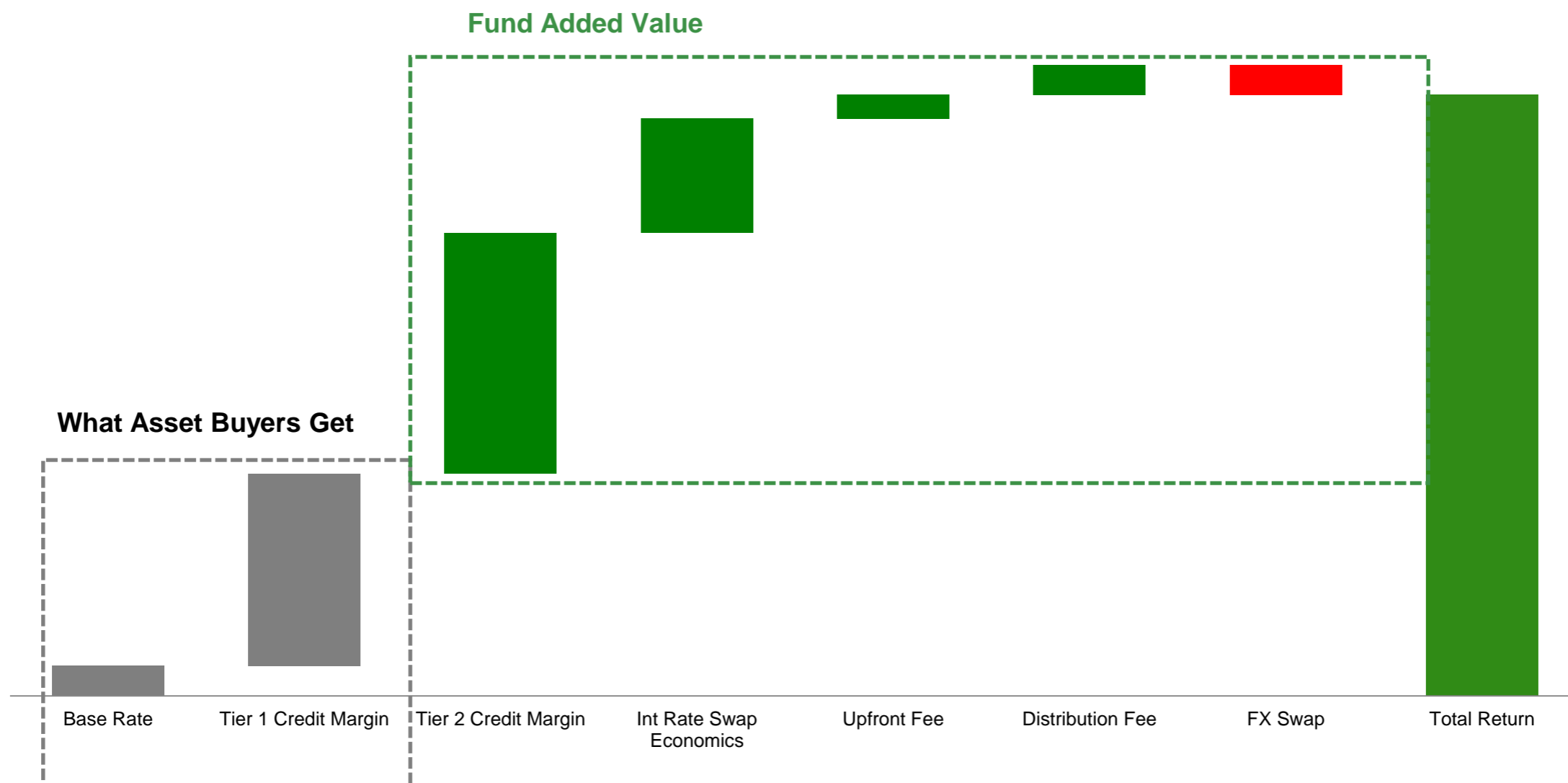


## Infra Debt



# Origination Drives Enhanced Yields

Debt Fund returns enhanced by origination fees, swap economics and selective credits



Source: Orion Partners, September 2016

# Infrastructure Debt as an Asset Class



# What is Infrastructure

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## **Moody's definition**

“Strategically important capital intensive assets, utilities, services and primary industries, fulfilling major economical and social needs. Typically characterized by robust or inelastic demand which underpins predictable and resilient long-term revenues.”

Power

Transport

Oil & Gas

Petro-chemical

Telco

Water

Social Services

Mining

Defense

# Why Infrastructure

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**Global infrastructure spending will grow dramatically and governments are increasingly looking to the private sector for investment**



## **Diversification**

*Low Correlation to Other Asset Classes*

- Monopoly rents
- Critical assets



## **Risk / Return**

*Investment Grade Yields*

- Excellent risk statistics
- Capital preservation
- Enhanced yields
- Stable current income



## **Duration Match**

*Long-Dated Assets*

- Long asset lives
- Long concessions
- Lower volatility and mark-to-market exposure
- Solvency II recognition

# Key Characteristics of Infrastructure Debt

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## Financing critical services to government and the population

- **Long dated assets**
- **Attractive risk returns**
- **Stable cash yields**

▶	Normally tied to a single project
▶	Heavily influenced by government policy
▶	Large assets and significant capital costs
▶	Natural monopoly, duopolies
▶	Diversification – across sectors, countries
▶	Non-correlated to macro conditions
▶	Long asset lives

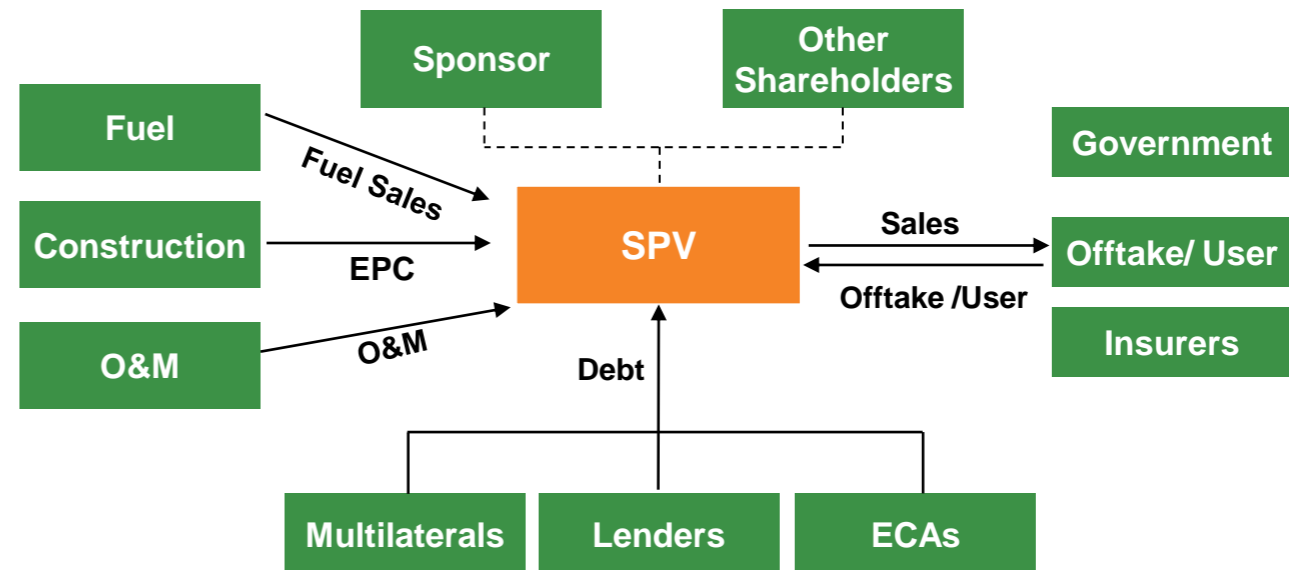
# Proven Financing Structures

## Robust documentation leads to enhanced credit quality

### Security

- “Ring-fenced” security over contracts, assets, accounts
- Guarantees/undertakings from sponsors, contractors and off-takers
- Seniority in the cash flow cascade – priority payment
- Loan tenors less than concession and asset life

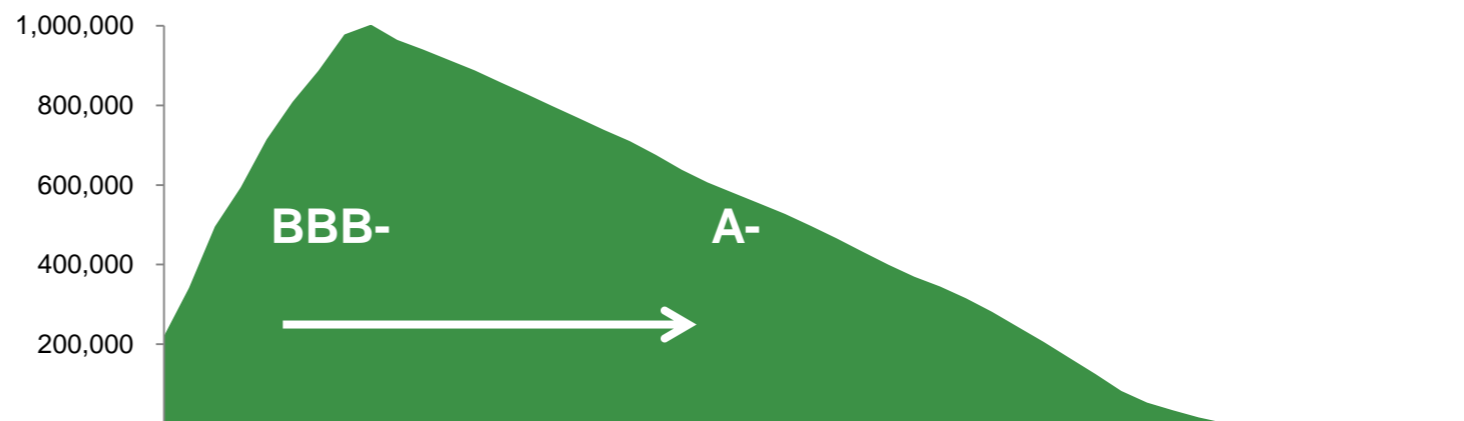
### Contractual Undertakings from Multiple Counterparties



### Proven Credit Quality\*

- Generally BBB- rated at close of financing\*
- Often rising to A- by year 5-7
- Natural exit plan through repayment
- >50 years of precedent and development
- Extensive due diligence and scenario analysis
- Robust documentation; forward looking covenants

### Typical Debt Repayment Profile

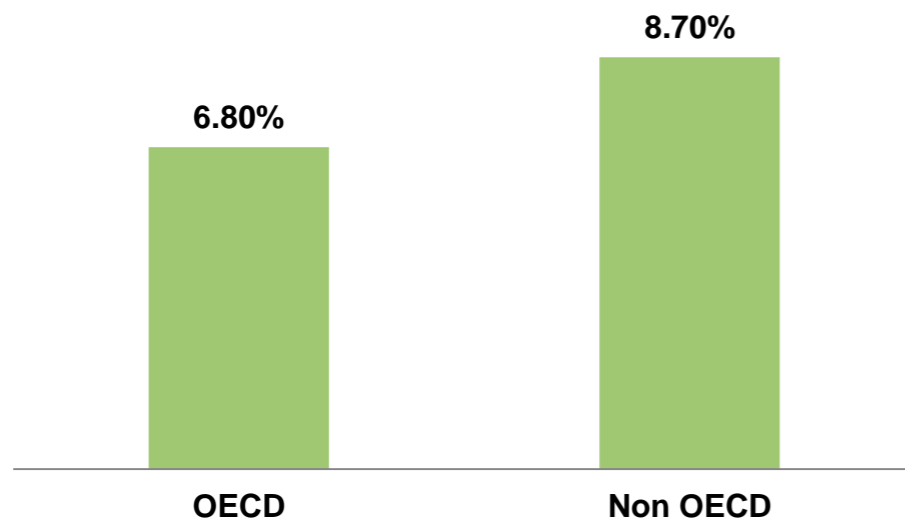


Source: Orion Partners Research, 2016

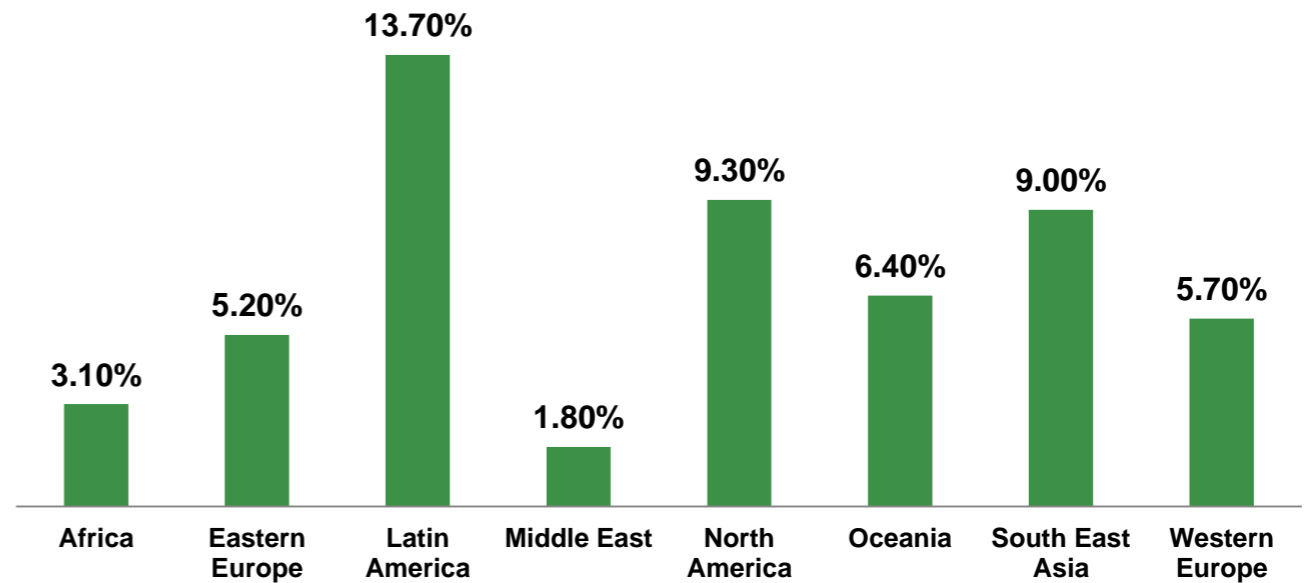
\* Based on our internal private rating system

# Favorable Credit Statistics in Asia-Pacific

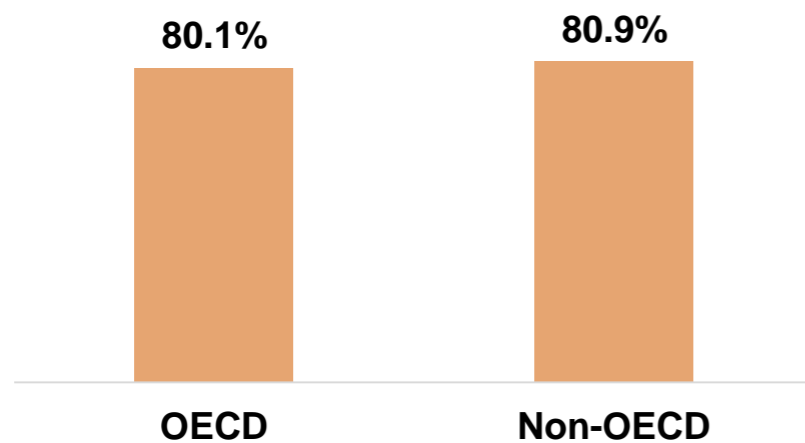
**Average Default Rate**



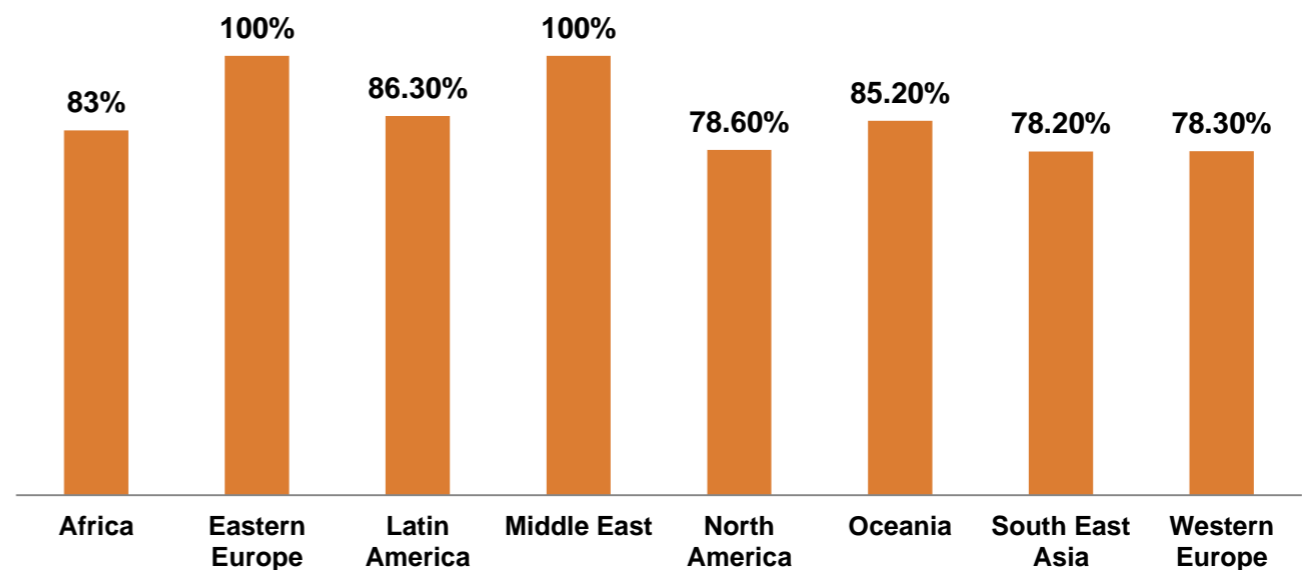
**Average Default By Region**



**Average Recovery Rate**



**Average Recovery By Region**



Source: Moody's, Default and recovery rates for project finance bank loans 1983-2014, 2016

# An Enormous Market

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Source: McKinsey Global Institute estimate 2013 to 2030, 2013



Source: PFIe online and Orion Partners analysis – 2015 to 2030, 2016

# Many Providers But...

...a “funding gap” has been created by Basel III with a shift away from long-term lending and project finance by global commercial banks

Agency	Promoting	Institutions	Lending Criteria	Trend
Banks	<ul style="list-style-type: none"> <li>Commercial lending terms</li> </ul>		<ul style="list-style-type: none"> <li>Credit profile selection based on country, sector, and risk allocation</li> <li>Relationship-driven lending (total return)</li> </ul>	
Export Credit Agencies	<ul style="list-style-type: none"> <li>National exports</li> </ul>		<ul style="list-style-type: none"> <li>Up to 85% of the amount of export goods and services</li> <li>Up to 15% of the export contract value in local costs</li> <li>Other OECD consensus rules</li> </ul>	
Multi-Lateral Agencies	<ul style="list-style-type: none"> <li>Development</li> <li>Global</li> <li>Regional</li> </ul>		<ul style="list-style-type: none"> <li>Case-by-case, dependent on transaction (e.g.: shareholding and other nexus)</li> </ul>	
Institutional Investors	<ul style="list-style-type: none"> <li>Allocations</li> <li>Commercial terms</li> </ul>		<ul style="list-style-type: none"> <li>Typically long dated investment grade</li> <li>Lack of exposure to Asia historically</li> </ul>	

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# Battle Assessment: **Infra Debt** needs to be in your portfolio

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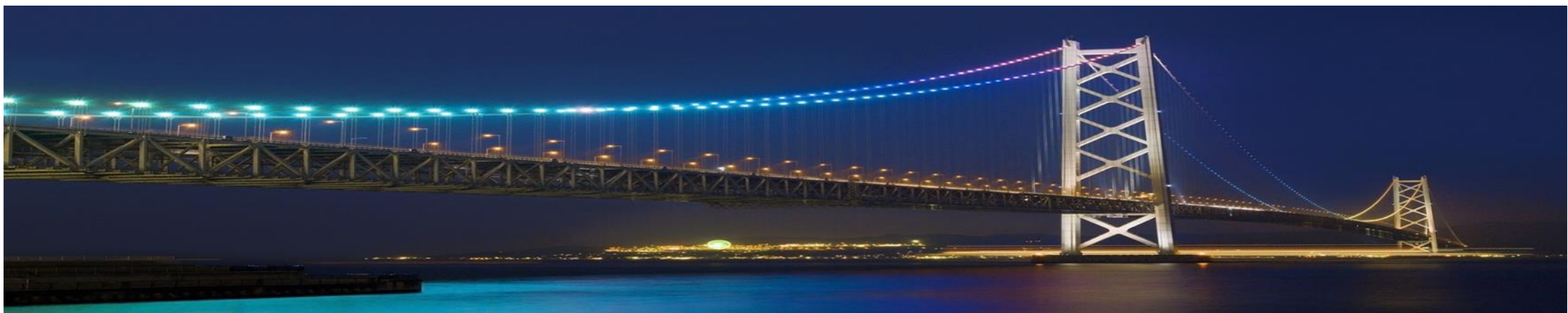
	Volatility	Correlation	Cash Yield	Liability matching	Capital Preservation
Real Estate	○	○	●	●	○
Private Equity	○	○	○	○	○
Hedge Fund	○	○	○	○	○
INFRA Debt	●	●	●	●	●



# Conclusion

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- Given the new return environment, you can't afford large losses in a low-return environment given asymmetry of risk
- Quantitative measure of quality is clear – infrastructure debt is rated.
- Infra Debt needs to be part of your portfolio allocation to hedge market volatility to correlated assets and preserve capital.
- Battle of the Asset Classes Winner – Infrastructure Debt



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