



J Low Law Corporation

**CAFRAL Seminar on Hedging Oil Requirements
of Indian Oil Marketing Companies**

10 October 2014

Mumbai

Analysing legal risks in hedging and documentation of derivatives

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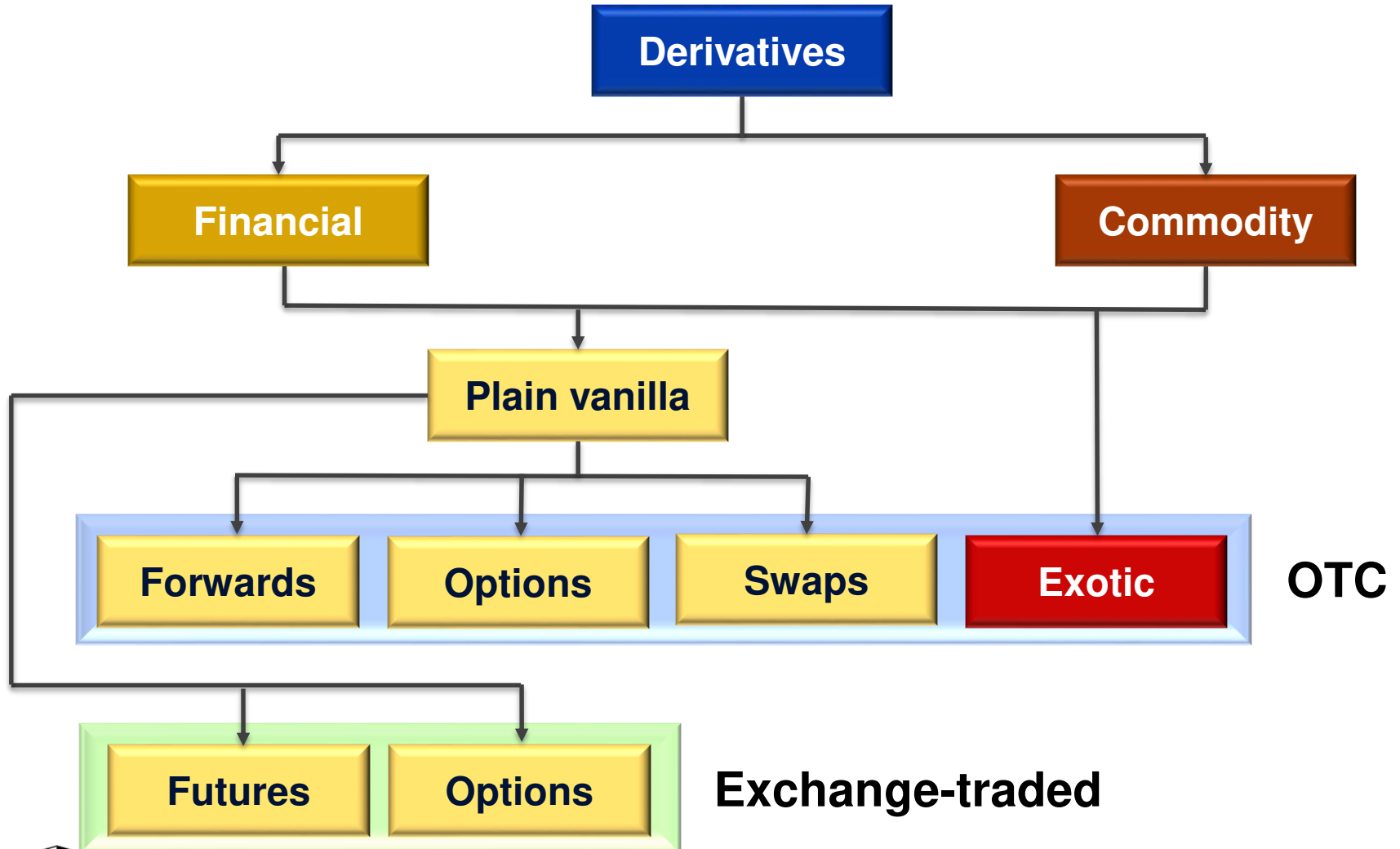
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WHAT ARE DERIVATIVES?



Derivatives



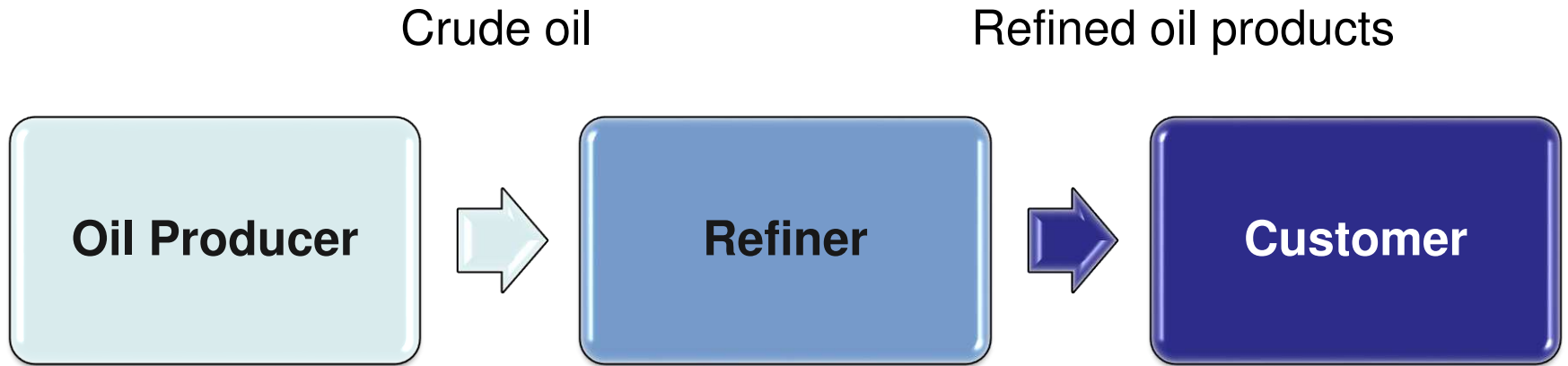
WHAT IS A HEDGE?







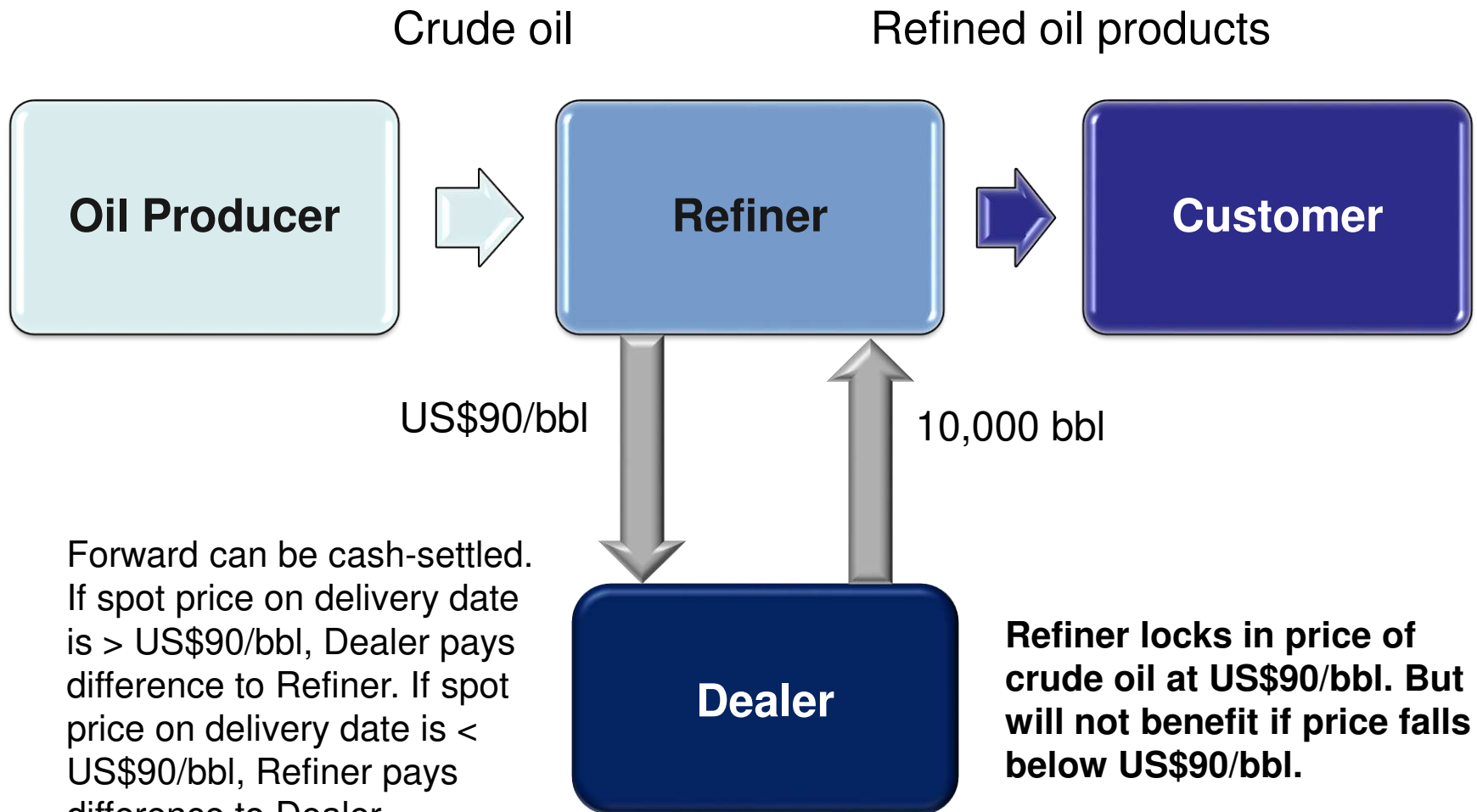
Examples



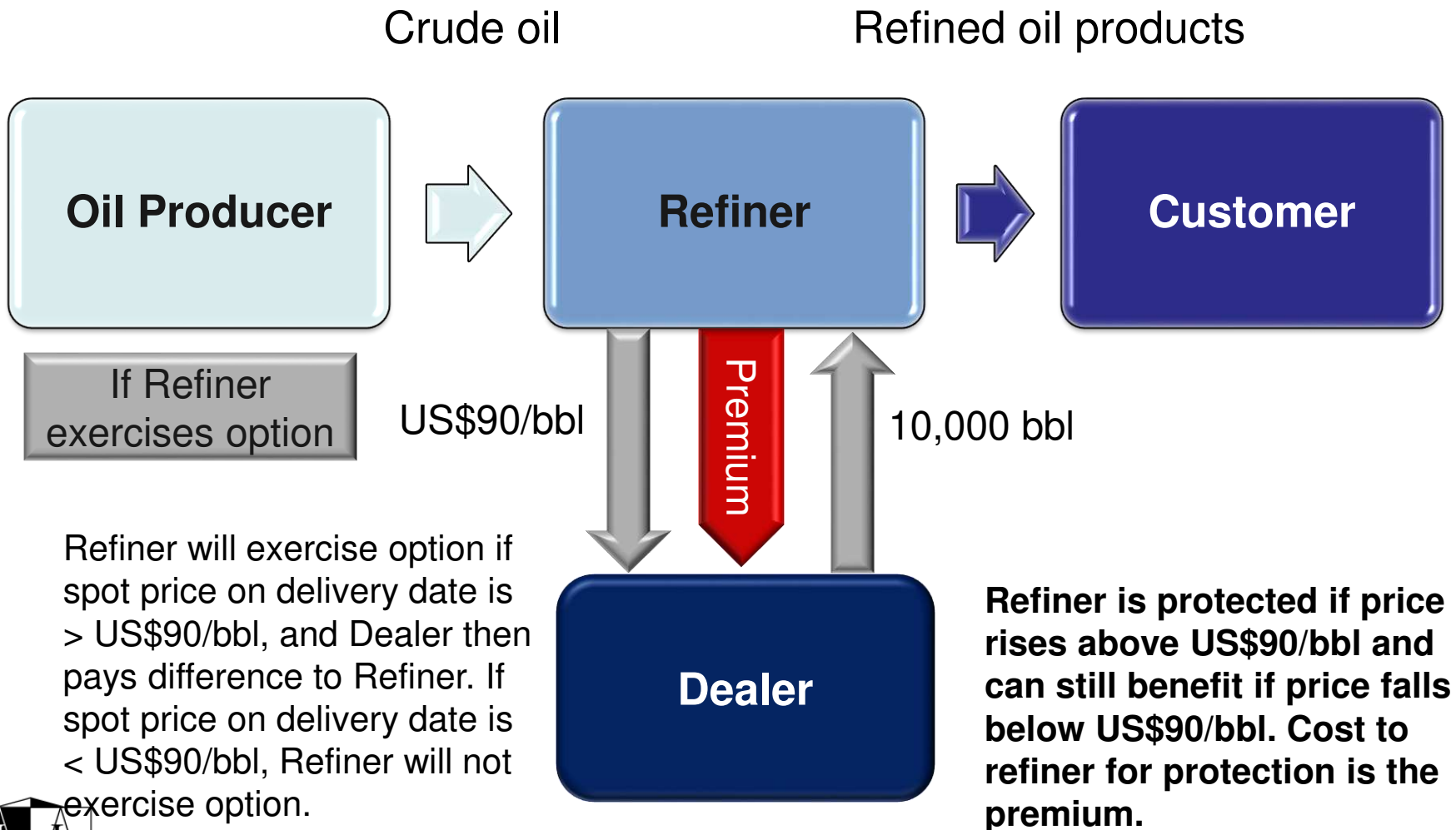
Refiner wants to hedge its crude oil cost



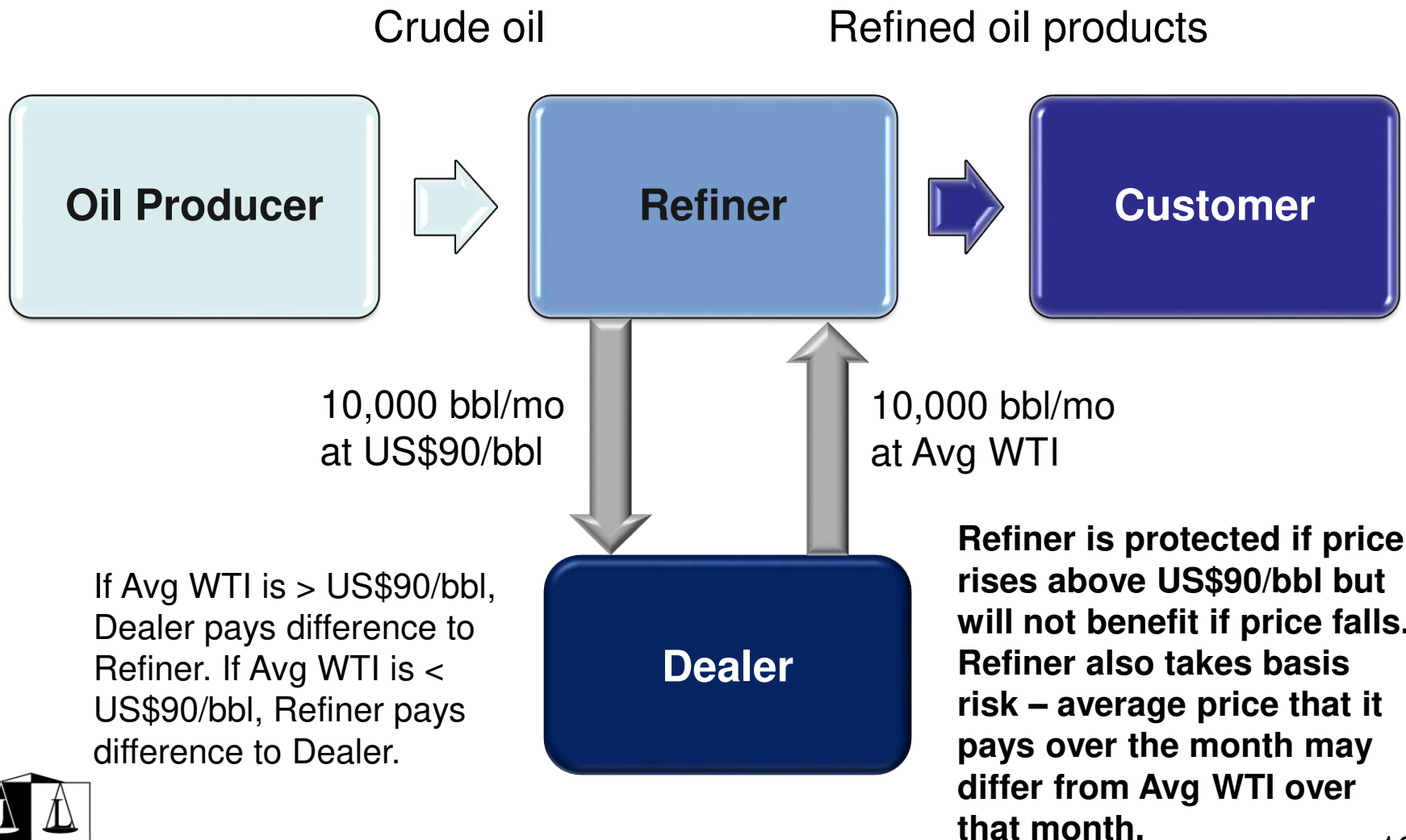
Using a forward



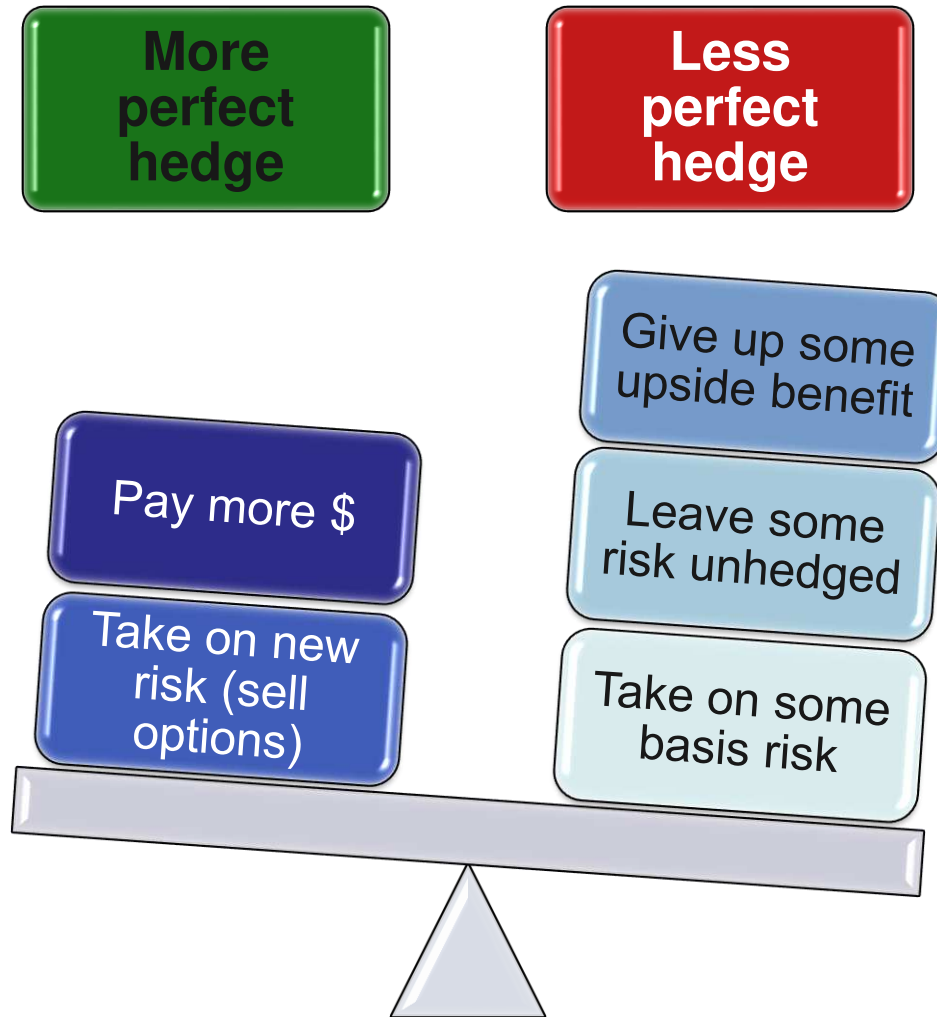
Using an option



Using a swap



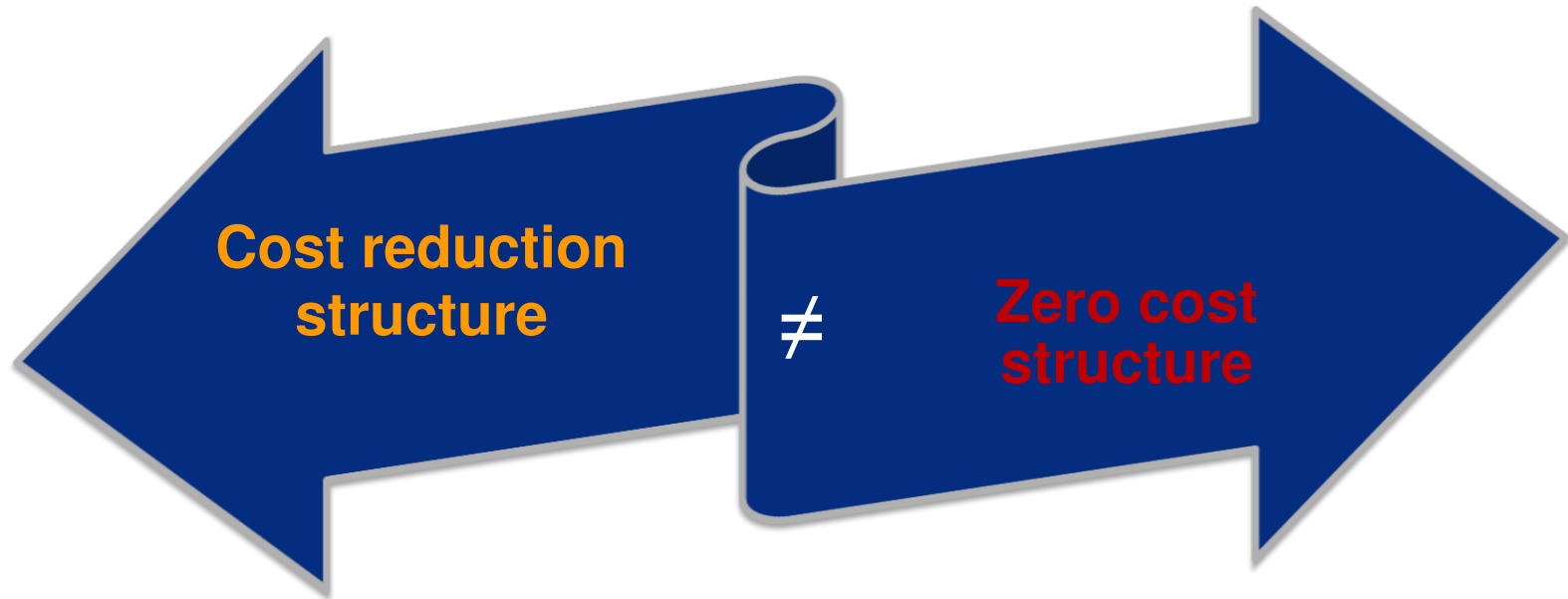
Hedging



REMEMBER



Cost reduction and zero cost structures

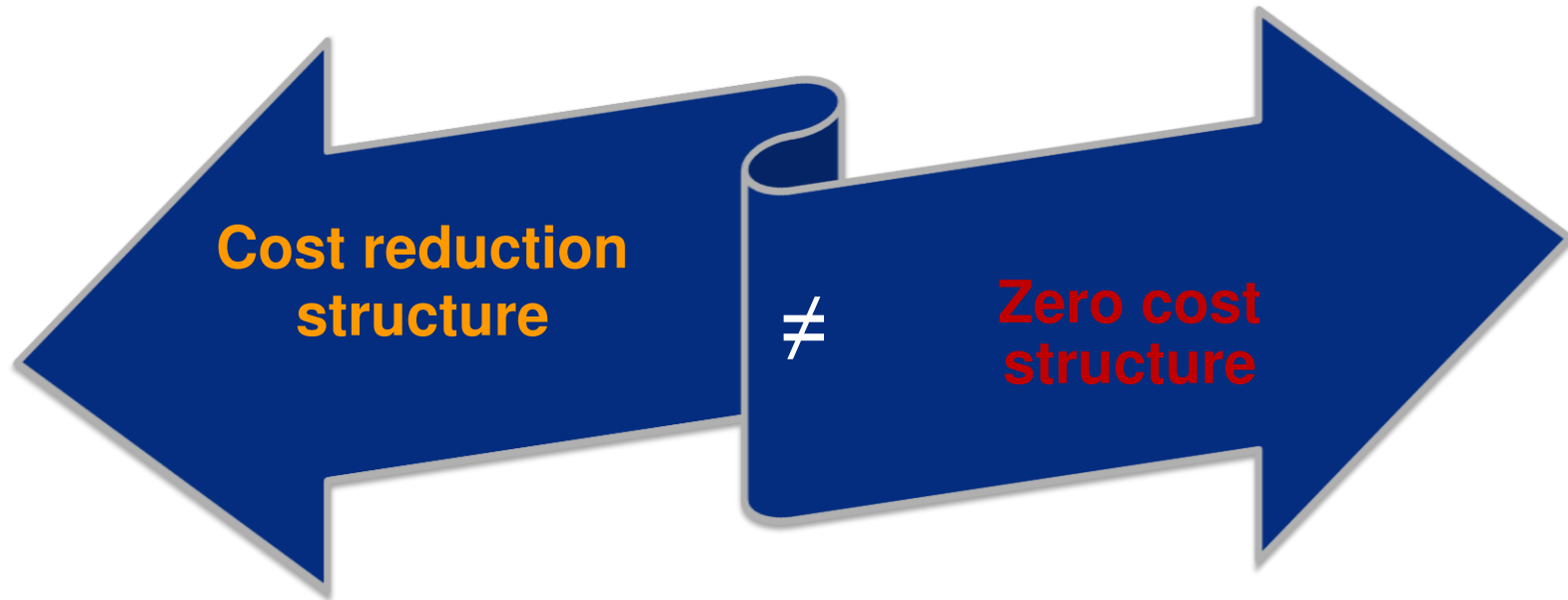


Results in less than perfect hedge.

Must involve sale of options by hedgor so hedgor takes on new risk.



Examples



Earlier option example
but with a KI at US\$95
and KO at US\$70.

Zero cost collar –
Dealer pays difference
if price > US\$90/bbl.
Refiner pays difference
if price < US\$60/bbl.



Past cases



CPC entered into zero cost collars with a number of banks to hedge crude oil price in 2007.

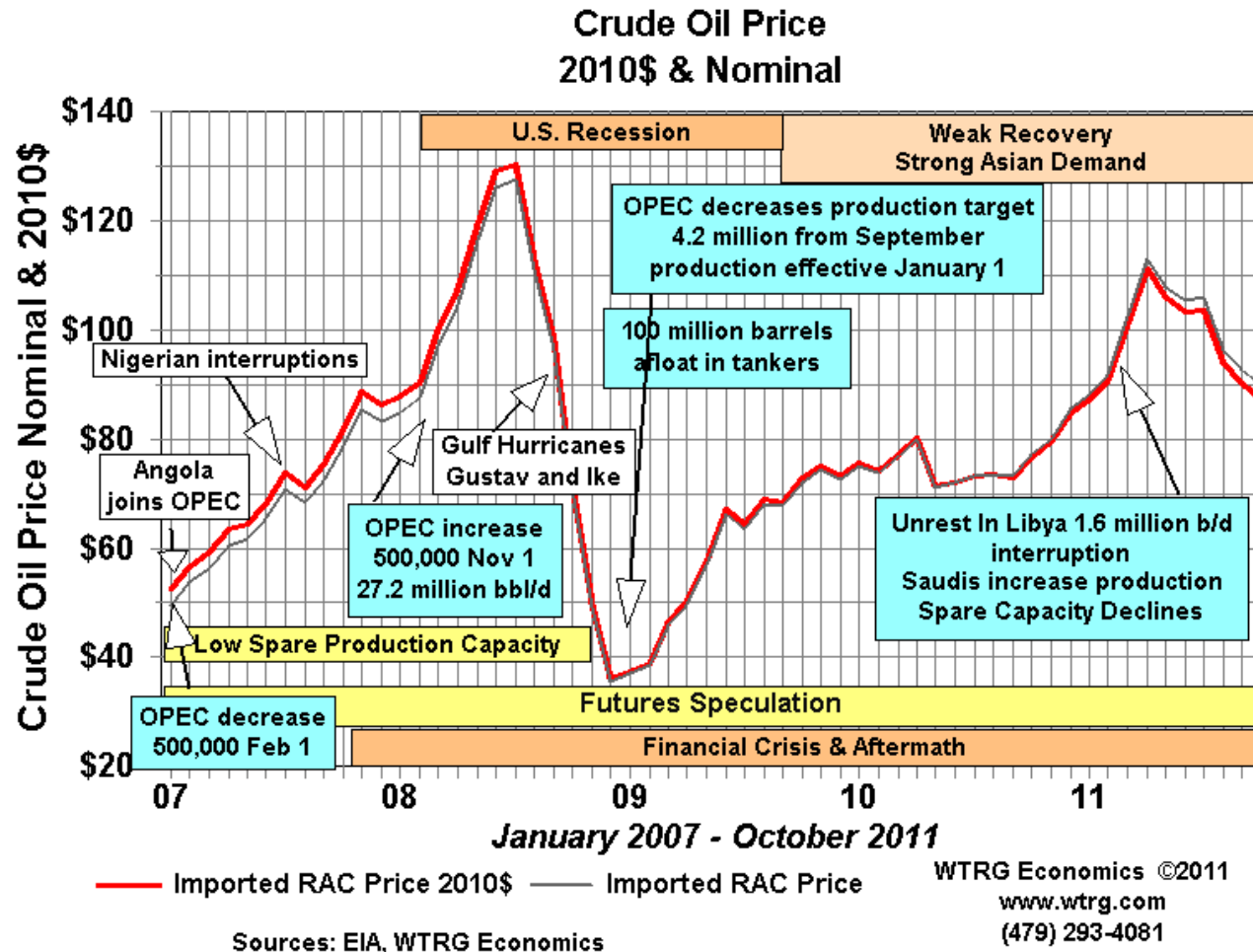
- Ceiling of US\$130/bbl, floor of US\$100/bbl. Bank pays difference if price above ceiling. CPC pays difference if price below floor.
- If price above ceiling, CPC can buy up to 100,000 bbl/mo. If price below floor, CPC must buy 200,000 bbl/mo.
- KO if price stays above ceiling for 3 consecutive months.
KO if price stays below floor for 12 consecutive months.



Instead of just hedging its jet fuel price risk, CAO started to trade.

- In 2003, CAO had bullish view so sold puts and bought calls. Correct view so made money
- Towards end-2003, CAO changed to bearish view so bought puts and sold calls. Wrong view.
- But instead of closing-out positions, CAO restructured its positions by buying back the short-dated options and selling longer-dated options.

Crude oil price



Questions to ask

What are you trying to achieve?

Do you understand the transaction?

What is your worst-case scenario?

- How much will you lose if it happens?
- How are you going to manage this risk?

Can your risk management system/process handle the transaction?

Can your financial reporting system/process handle the transaction?

What are the regulatory compliance requirements?



When in doubt, GET ADVICE



INDIAN REGULATIONS



Current position

Onshore

- OTC commodity derivatives restricted by Forward Contracts (Regulation) Act 1952.
- Banks in India restricted from entering into OTC commodity derivatives by Banking Regulation Act 1949.

Cross-border

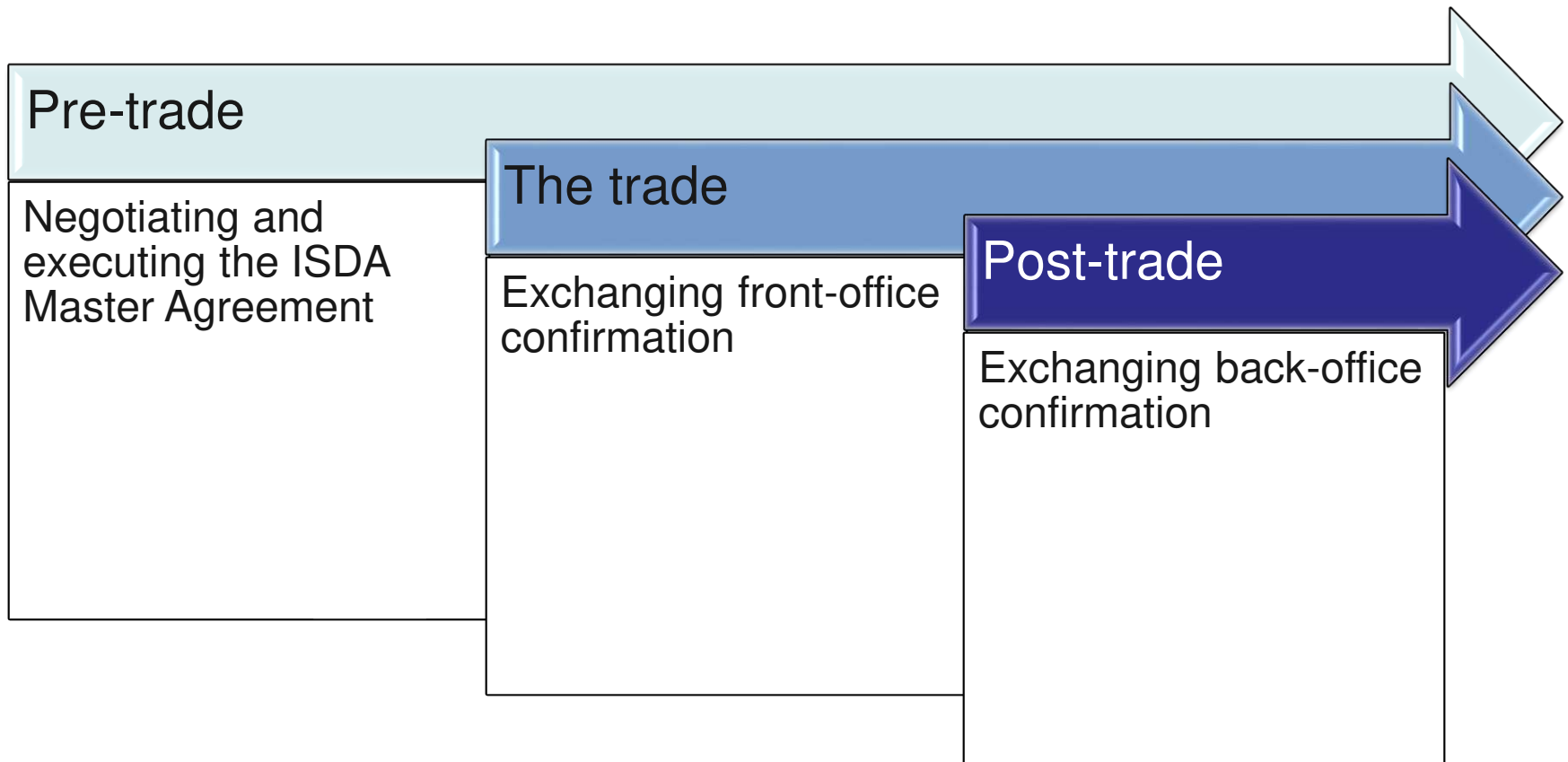
- Indian resident can enter into OTC and exchange-traded commodity derivatives subject to compliance with:
 - Foreign Exchange Management Act 1999.
 - Foreign Exchange Management (Foreign Exchange Derivative Contracts) Regulations 2000.
 - RBI's notices, in particular, RBI's Comprehensive Guidelines on Over the Counter (OTC) Foreign Exchange Derivatives and Overseas Hedging of Commodity Price and Freight Risks.



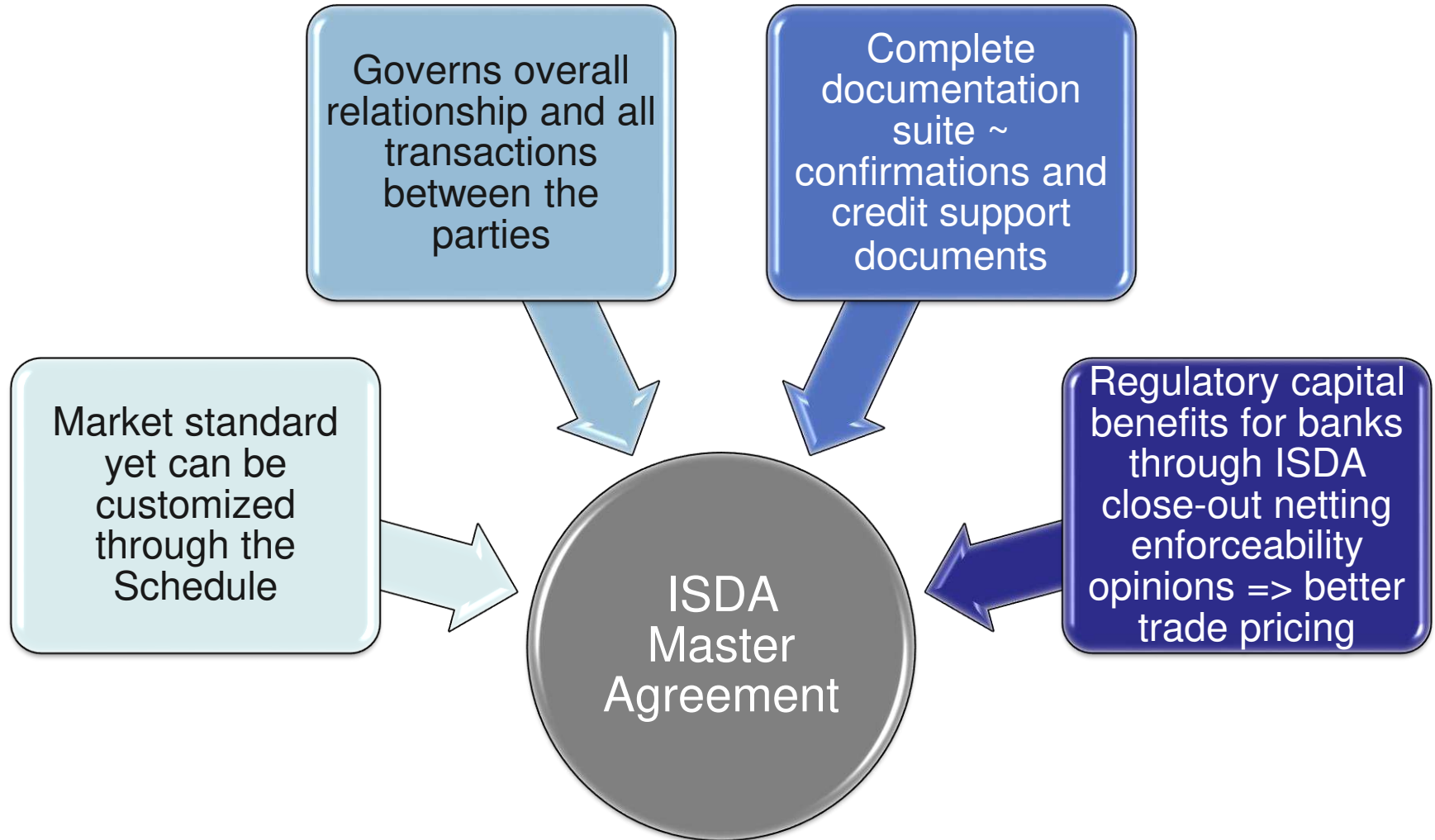
DOCUMENTATION



Documentation process



Why the ISDA Master Agreement



ISDA document architecture

