U.S. Macroeconomic Conditions: Implications for Global Derivatives Markets

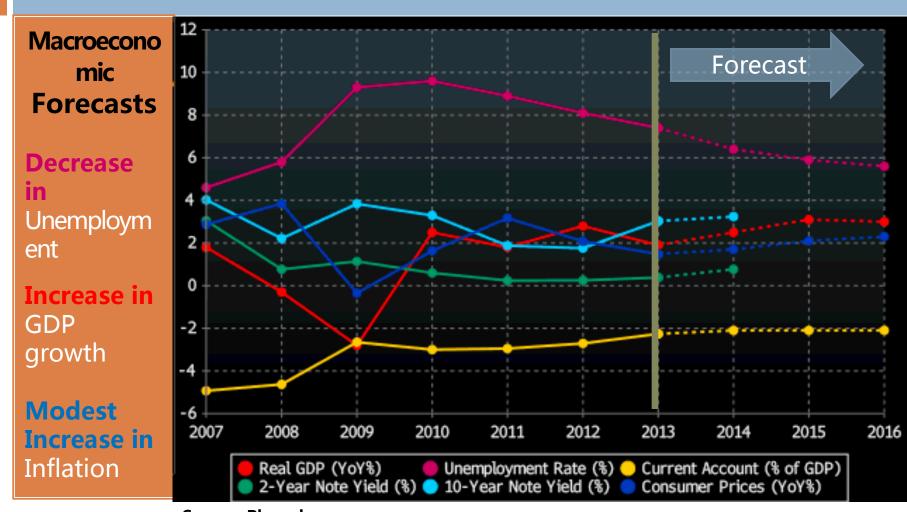
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Outline

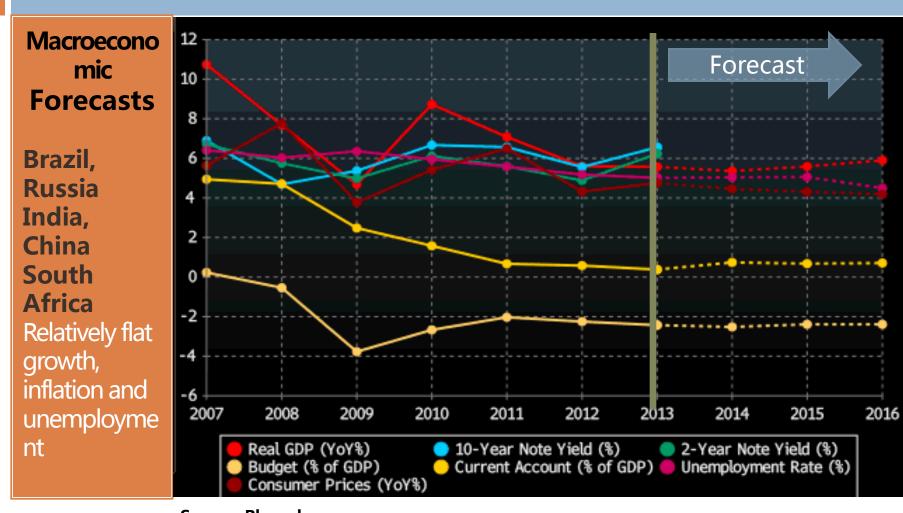
- Macroeconomic Outlook: Forecasts for 2014 to 2016
 - United States, BRICS, EMEA and China
- Macroeconomic Outlook: Forecasts for Q2' 14 to Q2' 15
 - United States, China vs. U.S.A
- Changes in Financial Conditions from May' 13 to May' 14
 - United States and Euro Area
- U.S. Monetary Policy: Federal Reserve rate changes
- Commodity Price Forecasts
 - Price Discovery role of exchange traded derivatives
 - Food vs. Energy
- Market Impact Analysis: Informational efficiency of equity markets
- Financial Markets: Past, Present & Future
- Conclusion: Noteworthy Issues to Watch

U.S. Macroeconomic Outlook: 2014 to 2016

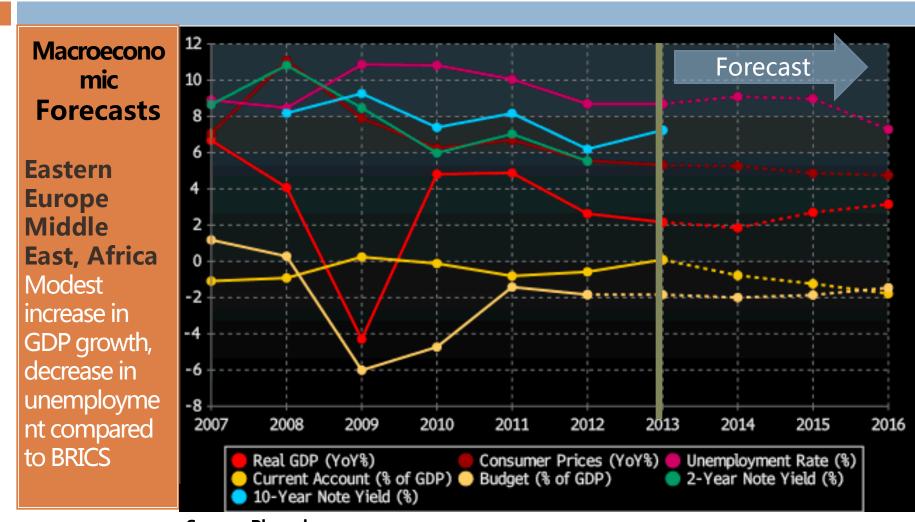


Source: Bloomberg Source: Bloomberg University,

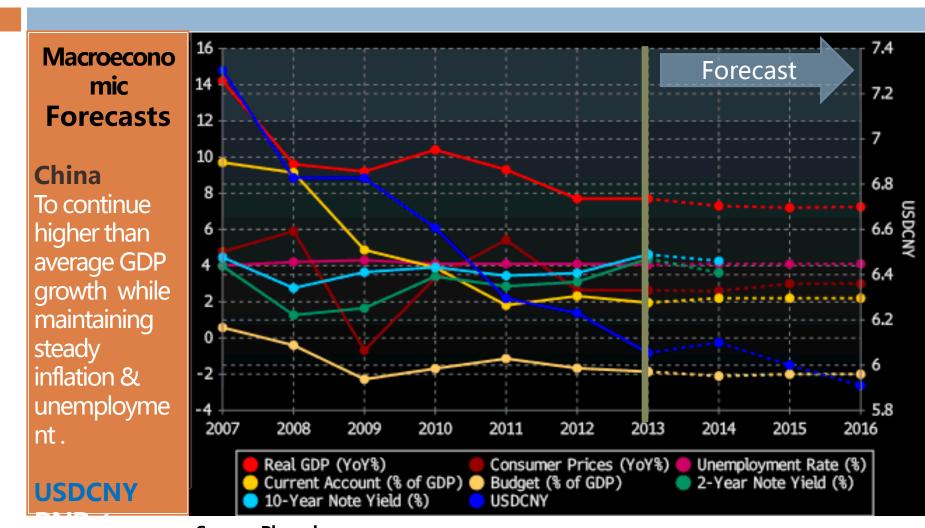
BRICS Macroeconomic Outlook: 2014 to 2016



EMEA Macroeconomic Outlook: 2014 to 2016

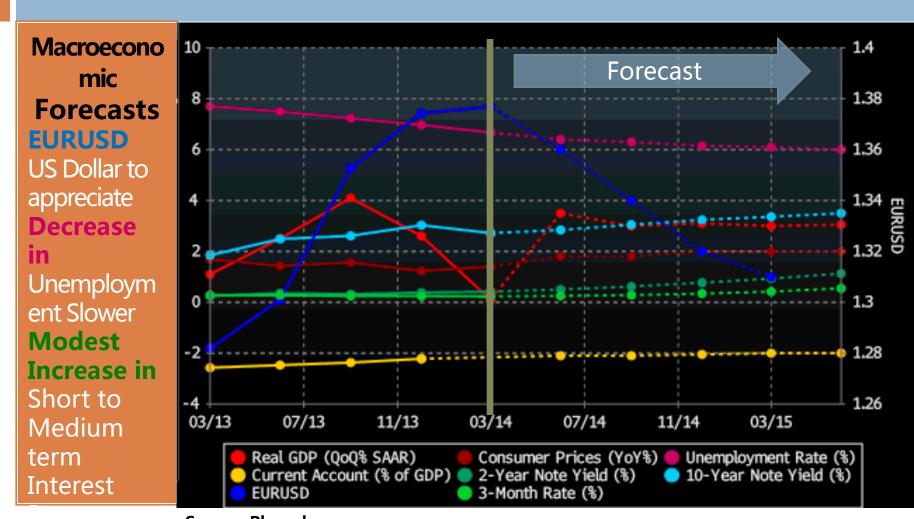


China Macroeconomic Outlook: 2014 to 2016



Source: Bloomberg Ahmet Karagozoglu, Hofstra University, USA

U.S. Macroeconomic Outlook: <u>next 5</u> <u>quarters</u>



Source: Bloomberg Ahmet Karagozoglu, Hofstra University, LGAplication

China vs. U.S. Macroeconomic Outlook: Q2' 14 to Q2' 15



GDP Growth

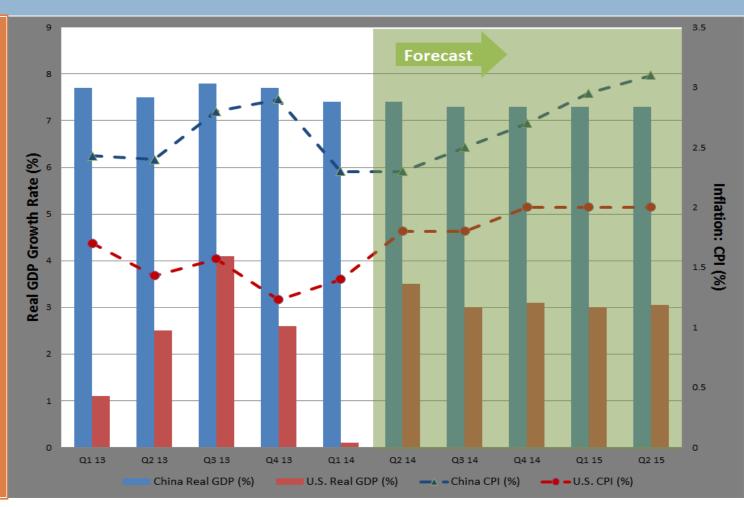
Relatively stable

(Average %) China: 7.32

U.S.: 3.15

Inflation

Upward sloping (Slope) China: 0.82



U.S. Financial Conditions improved : May' 13 to May' 14



Significant increase in Stock Market (S&P 500), very low Volatility in Equity Market (VIX)

Credit & term spreads are below 52week averages, low yield volatilities.

Source: Bloomberg Ahmet Karagozoglu, Hofstra University, USA

Euro Area Financial Conditions: May' 13 to May' 14

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Stock Markets increased but not as much as in the U.S., relatively low volatility

Mixed results for credit & term spreads. Improvements are not as pronounced as in U.S.

Source: Bloomberg

Ahmet Karagozoglu, Hofstra University, USA

USA

BRICS Quarterly Trend Analysis



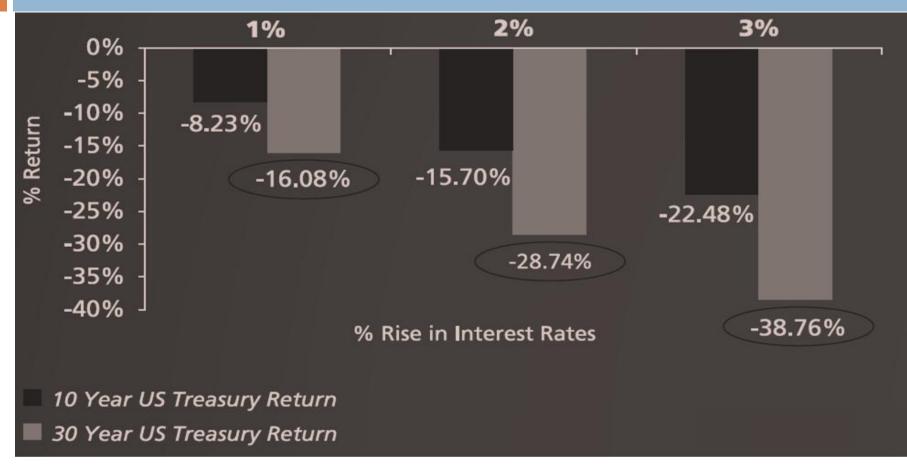
U.S. Monetary Policy : QE Regimes <u>Apr' 12</u> to Feb' 14



Period 0: April 4 – June 1, 2012, **Period 1:** June 4, 2012 – May 21, 2013 **Period 2:** May 22 – Sept. 17, 2013, **Period 3:** Sept. 18 – Dec. 17, 2013 **Period 4:** Dec. 18, 2013 – Feb. 27, 2014

Source: Bloomberg

Potential Impact of Fed Rate Increase on Treasury Returns



Source: Bloomberg Calculated 31 Oct 2013

U.S. Monetary Policy: Fed rates <u>Jun' 14</u> to <u>Jan' 15</u>



Source: Bloomberg Al**lowt Kates**pzoglu, Hofstra University, USAhigher

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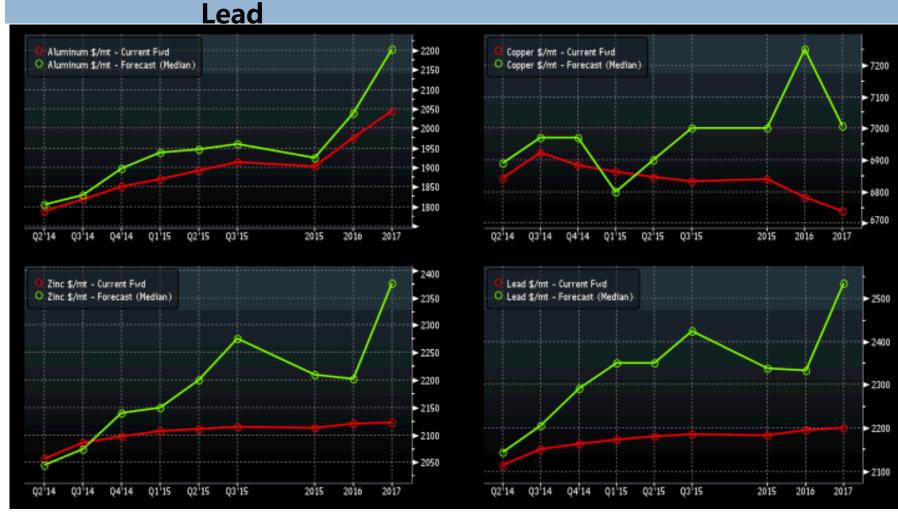
Commodity Derivatives Markets

- Commodity Price Forecasts
 - Price Discovery role of exchange traded derivatives
 - Longer horizon forecasts based on liquid extended contract months
 - **Demand & Supply**
 - Hedging Demand & Supply of Speculative trading
 - Econometric and/or fundamental analysis based forecasts
- If short to medium horizon forecasts of derivatives markets and analysts "do not agree", market efficiency maybe adversely affected by excess speculative trading/positions.
- Market Impact Analysis (example from two equity markets)
 Ahmet Karagozoglu, Hofstra University,

Commodity Price Forecasts: Derivatives vs.

16

Analysts Metals: Aluminum, Copper, Zinc and



Source: Bloomberg Ahmet Karagozoglu, Hofstra University, **USA**

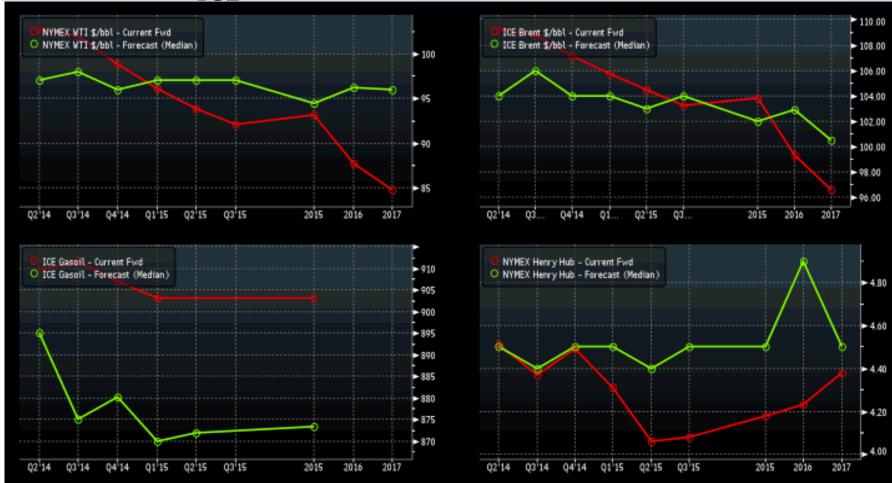
11th Shanghai Derivatives Market **Forum**

Commodity Price Forecasts: Derivatives vs.

17

Analysts Energy: Oil Price Forecasts NYMEX vs





Source: Bloomberg Ahmet Karagozoglu, Hofstra University, **USA**

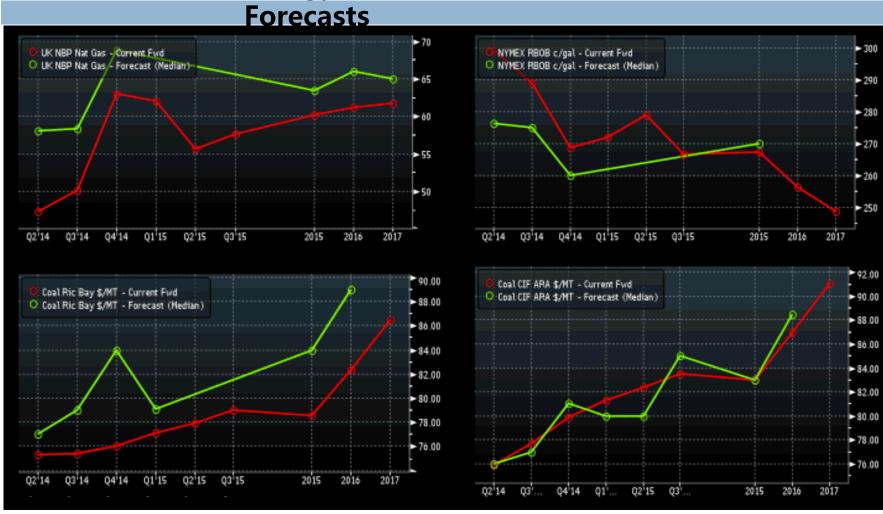
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Commodity Price Forecasts: Derivatives vs.

Analysts

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Energy: Gas and Coal

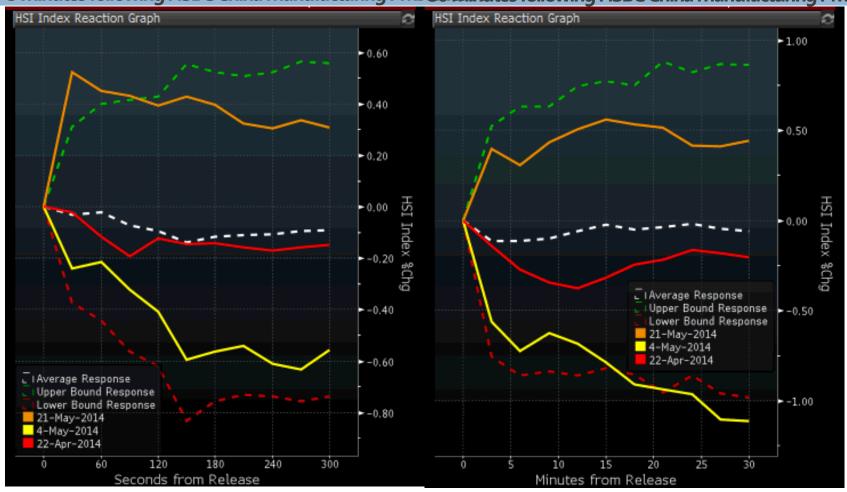


Source: Bloomberg Ahmet Karagozoglu, Hofstra University, USA

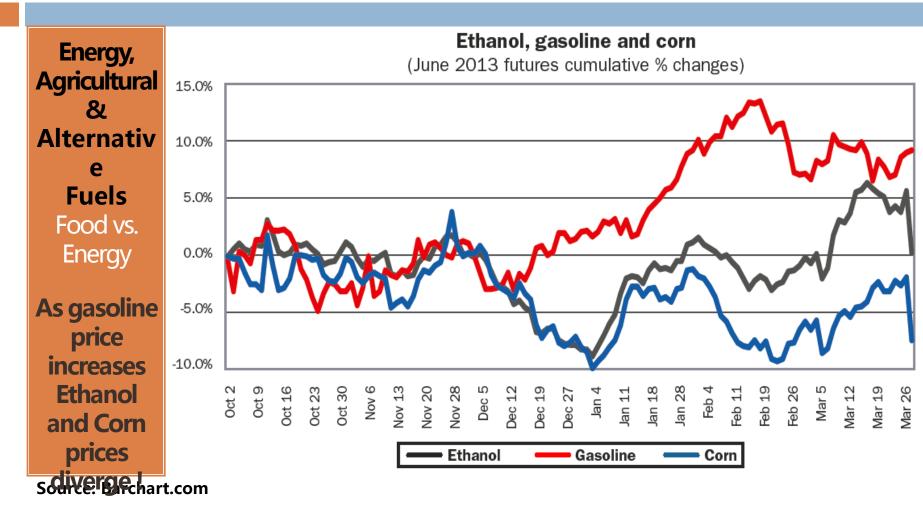
11th Shanghai Derivatives Market Forum

Market Impact Analysis: HSI reaction to news

5 minutes following HSBC China Manufacturing PMI Beleaiseutes following HSBC China Manufacturing PMI Release



Source: Bloomberg Ahmet Karagozoglu, Hofstra University, USA



Corn: Consumption vs. Export

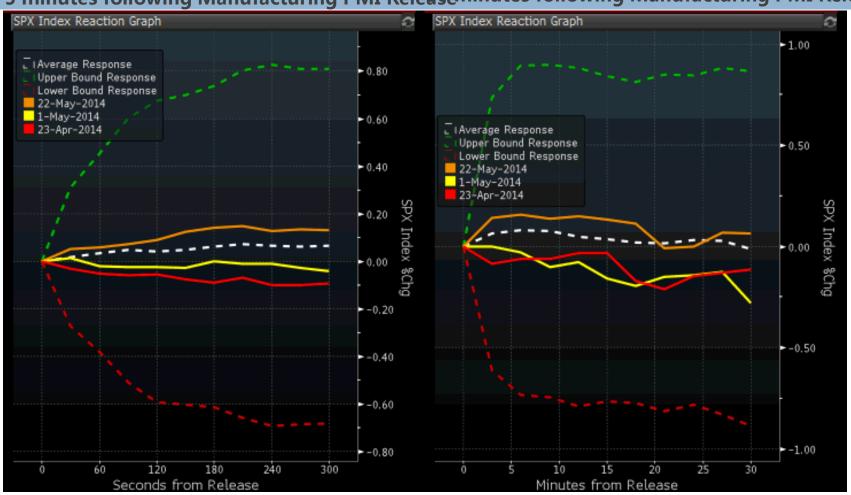


Corn Production & Consumption: China vs. U.S.A.



Market Impact Analysis: S&P 500 reaction to news

5 minutes following Manufacturing PMI Releaseminutes following Manufacturing PMI Release



Source: Bloomberg Ahmet Karagozoglu, Hofstra University, USA

Global Markets : Past, Present & Future

- Continued Effects of Recent Crisis (already 5 to 6 years ago)
 - Recovery vs. Growth: Financial sector vs. Macroeconomics
 - Changes in the landscape of financial institutions and trading:
 - Commercial Banks, Hedge Funds, Investment Banks and Sovereign Funds
 - Central clearing of OTC instruments: Exchange Traded vs. OTC
- Consolidation of exchanges & technology
 - Cross-country mergers (U.S. and European exchanges)
 - Cross-asset classes (stock and derivatives exchanges)
 - Direct Market Access (DMA), Algorithmic Trading (Algo),

Ahmetikghydzigquencynlæding (Ith Shanghai Derivatives Market Regulation, Regulation, Forum

28 May 2014

Conclusion: Noteworthy Issues to Watch

- Financialization of commodity markets
 - Hedge funds' and banks' participation (potential excess speculation)
 - Proposals to further regulate position limits for hedge funds, banks, i.e. speculators
- Banks' investment in physical commodities
 - Proposed regulation to limit bank ownership of physical commodities
 - Numerous banks pulling out of investing in physical commodities,
 e.g. Bank of America, Barclays, Deutsche Bank and JPMorgan Chase
- Potential of OTC clearing houses to be the new "too-big-to-fail"
- Recent episodes of "price fixing" in underlying assets
 - Regulation in reaction to LIBOR rate manipulation and London Gold fix

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USA pricing

Forum

2014

11th Shanghai Derivatives Market Forum

Thank You!

谢谢!

Ahmet Karagozoglu, Ph.D.