

# Kenji Sawada LAB.

## [Mineral Security Strategies]

International Research Center For Sustainable Materials

Resource Geology, Mineral Economics

Major: Resource Geology, Mineral Economics

### Mineral Security Strategies

For Sustainable Supply of Mineral Resources

World Mining has been rapidly changing, and paradigm shift such as Emerging Market Economy, M&A, Nationalism over resources, Low-carbon society, Inflow of investment money, etc are observed at the current mineral commodity market. Under the volatile metal prices, it is indispensable for Japanese Industries to secure the stable supply of industrial materials through smelting & refining and fabrication process.

- ◆ Demand & Supply of Commodities: Soaring metal prices, and its background
- ◆ Change in World Mining Business: Diversified business, and strategies under the volatile metal prices
- ◆ Supply Chain of Resources: Flows from ore to materials for the industry

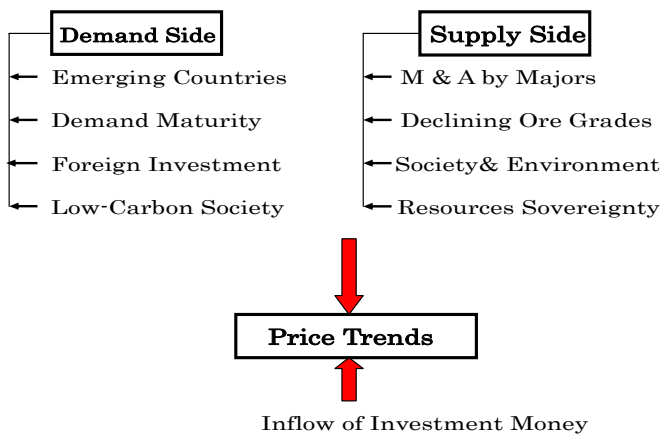


Fig.1 Current factors for price determination

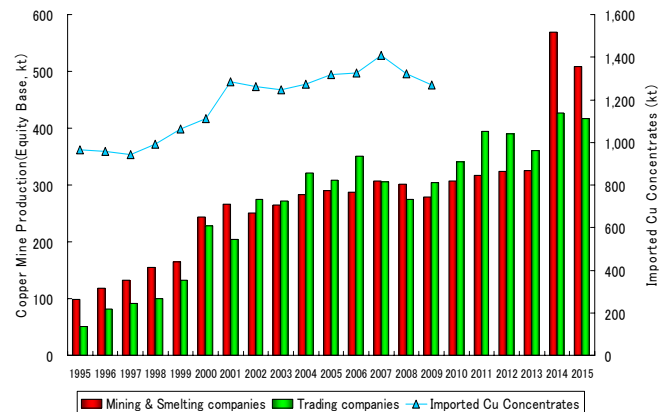


Fig.2 Copper mine investment by Japanese companies.

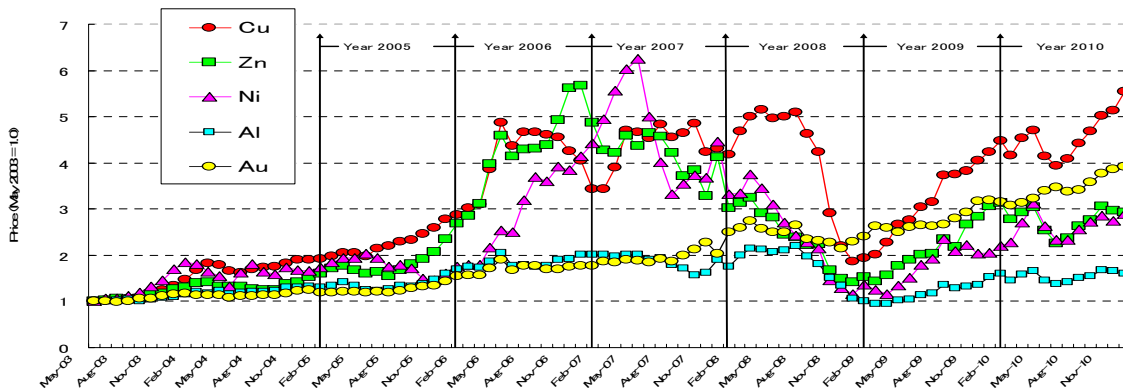


Fig. 3 Change in metal prices (May 2003~Dec. 2010)