

# “Liberalization Process of Korean Capital Markets”

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| AUTHORS      | Yang-Taek Lim                                                                                                                         |
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# Liberalization Process of Korean Capital Markets

Yang-Taek Lim<sup>1</sup>

## Abstract

This study is to analyze the liberalization process of capital markets in OECD countries, derive their experiences, and propose some policies for promoting financial globalization. For a small-sized open economy like Korea, capital liberalization is a prerequisite for economic liberalization. The expected effects of capital liberalization are: reduced cost for raising capital, increased investment profitability, increased efficiency in resource allocation, stimulation of economic growth, introduction of advanced financial techniques, improved function of domestic financial markets, and enhanced competitiveness of liberalized country, etc. However, it is necessary to implement the policies for minimizing the side-effects of capital liberalization such as instability in foreign exchange, stock and financial markets through inflow/outflow of short-term capital, increased volatility in foreign exchange rate, interest rate and prices, risen macroeconomic instability, imbalance of payments, disturbance in domestic industrial orders, restrictions against job increase and economic growth, and deterioration in income distribution structure. Also, institutional mechanisms for controlling inflow and outflow of speculative capital efficiently are necessary, including Tobin tax, quantity control of short-term capital transactions, variable deposit requirement, exchange control mechanism for differentiating capital inflow/outflow. The importance of these mechanisms is found in the experiences of Japan, Thailand, Taiwan, Indonesia, Malaysia, Mexico, etc.

**JEL Classification:** F02, F15, O14, O15, O32.

**Key words:** liberalization of capital market, financial liberalization, exchange liberalization, Tobin tax, exchange rate policy.

## I. Introduction

Generally, capital liberalization means that government regulations against transactions like international borrowing and lending of capital, stock trading and capital investment are deregulated or abolished so that financial capital can move to the countries where high investment return is guaranteed on the basis of the principle of comparative advantage. Just as expanded trade liberalization integrates international commodity market further, capital liberalization provides integration of international financial market.

Capital liberalization can, therefore, enhance the role of market

for capital liberalization. If these preconditions are not met, capital liberalization may plunge a national economy into endless chaos because of its negative effects which are as follows :

First, balance of payments and exchange market are more likely to be disturbed by inflow and outflow of speculative capital. Since capital liberalization will allow foreign hot money to flow in and out frequently, stock market may show an unstable pricing, and investment may go unhealthy because of speculation.

Second, large foreign capitals, which can give large impact on domestic stock investment in a liberalized small open economy, are likely to disturb industrial order in the economy.

Third, due to the above side-effects, volatility in the exchange rate, interest rate, prices, balance of payments and economic growth will go up and down, making it impossible to implement economic stabilization policy .

Especially, an economy in transition from high economic growth period to a developed country may experience macroeconomic instability through capital liberalization. First of all, capital inflow/outflow causes instability in exchange rate. Experiences of the developed countries in the 1980s show that capital inflow/outflow brought about volatility in exchange rate, overshooting and long-term misalignment.

Theoretically, how inflow of foreign capital affects macroeconomic variables like exchange rate, interest rate, prices, current account balance of payments and GNP differs largely, depending on whether exchange rate system is floating or fixed. When foreign capital flows into a country under the fixed exchange rate system, its central bank intervenes foreign exchange market in order to keep its exchange rate at a given level. In short, central bank removes oversupply of foreign currencies by buying foreign currencies inflowed in exchange market. During this process, reserve base and money supply increase. In contrast, an influx of foreign capital in a country under the floating exchange rate system causes oversupply of foreign currencies in exchange market, bringing about overvaluation of the country's currency, i.e. decline of exchange rate.

In reality, few countries adopt the fixed exchange rate system or the floating exchange rate system in the pure sense of the term, and many countries use the two exchange rate systems in combination. In real word, therefore, an influx of foreign capital increases domestic money supply and drops exchange rate. In this case, central bank intervenes exchange market. Therefore, a part of foreign capital inflow is absorbed into increase of reserve base, and the remaining portion pressurizes over

achieving general development of Korean financial market in the long run. Fortunately, taking the foreign exchange crisis in 1997 as an opportunity of turnaround, Korea has accelerated its integration with international financial market by building market economy and implementing extensive capital liberalization, and succeeded in achieving restructuring and liberalization in various sectors of Korean economy.

However, Korea must be neither contented with the current stage nor stop its efforts for capital liberalization. For example, even though OECD countries have different reservation ratio, which is the ratio of the excluded obligations to all obligations of OECD Code of Liberalization of Capital Movement and of Current Invisible Operations. The reservation ratio of existing OECD countries is about 10% on average, but that of Korea still stands at 27%. Korea's reservation ratio is highest among existing OECD countries and new entrants. Czech and Hungary have reached almost full liberalization through the recent unprecedented liberalization policies.

Capital market liberalization provides many advantages. It should be always noted that if capital market liberalization is expanded when infrastructure like arranged financial supervision system and domestic financial market development is not achieved, new crisis in foreign exchange and finance may explode. In fact, liberalizing capital market and capital transactions is indispensable for Korean economy to enter into the universe of developed economies. Capital liberalization provides such advantages as reduced cost for raising capital, increased investment profitability, increased efficiency in resource allocation, stimulation of economic growth, introduction of advanced financial techniques, and improved function of domestic financial market, and enhanced competitiveness of a liberalized country, etc. In contrast, capital liberalization provides the following side-effects: instability in foreign exchange, stock, and financial markets through inflow/outflow of short-term capital, increased volatility in exchange rate, interest rate and prices, risen

In the 1980s, France, Scandinavian countries and Spain imposed a unilateral foreign currency control. However, UK declared whole abolition of control over foreign currencies in 1979, changing everything. This was driven mainly by the fact that EU countries agreed on adopting the common goal of completing capital liberalization till 1990. From this time on, extension of the Code's obligations started to be discussed seriously. In 1992, OECD countries adopted the revised Code of which gist was the abolition of government restrictions against cross-border financial services and short-term capital flow.

This provided a momentum for many OECD countries, excluding Greece and Iceland, to lift discriminative regulations against capital flow. The only restriction kept by a part of OECD countries in the mid-1990s was regarding foreign direct investment in transportation industry and foreigner's acquisition of real estate in the capital transaction sector, and insurance, underwriting securities and imposition of conditions on the establishment of branch and office in the financial service sector.

OECD countries propelled capital liberalization at different speeds and in different patterns. Some preferred gradual liberalization, and others adopted fast liberalization.

Japan, France and Scandinavian countries were typical players that adopted gradual approach. Especially, Japan took gradual measures for capital liberalization moving at a snail's speed for 16 years since it entered to the OECD in 1964. In contrast, Canada and Germany liberalized their capital markets in 1951 and 1958, respectively. Because of the Big Bang in 1979, UK abolished all restrictions

Government tends to lift the regulations of capital inflow/outflow in recession period, and enhance it in boom period<sup>1</sup>. Notwithstanding, control over capital inflow/outflow provides only temporary effects<sup>2</sup>. Chile is the typical case of control over capital inflow/outflow. In fact, Chilean control over capital inflow/outflow was designed to prevent liberalization of capital market from damaging macroeconomic stability, improve efficiency of monetary policy, and impose sound regulations upon financial institutions. The lesson from the Chilean model is that government's deep understanding of capital market and well-organized financial system are prerequisites for capital liberalization.

In the 1970s, some of OECD countries already started to realize that control of foreign exchange is limited. Germany and Switzerland failed to use control of foreign exchange to prevent rapid capital flow from abroad, and allowed strength of their currencies, succeeding in mitigating inflow of foreign capital. USA imposed control of foreign exchange between 1967 and 1973, but the country abandoned it.

In early 1980s, all OECD countries found that control of foreign exchange took enormous economic and administrative cost and could prevent only some small shocks in its effectiveness. This fact was confirmed again and again whenever currency crisis broke out in the 1980s and early 1990s. Despite very strict control of foreign exchange, France surrendered to external speculative pressure, and it was forced to devalue the franc by over 25% only for 18 months between 1981 and 1983. Full liberalization of capital market, which was introduced by Australia and New Zealand in early 1980s, started from the fact that control of foreign exchange could not prevent large capital flight which occurred shortly before.

UN proposed to establish a new international organization called WFO (World Finance Organization) for supervising short-term speculative capital movement<sup>1</sup>. For example, discussion of civilian financial institutions' bail-in to induce debtors and creditors to act carefully in order to establish and run an international hedge-fund watchdog and prevent financial crisis, movement for including fund providers in the countries from which capital outflows into the targets of sound management supervision, and projects for building a new financial architecture which is regarded as most inclusive response to such interest.

However, Feldstein (1999) provides the following advices. He argues that emerging markets should not expect that international organizations like IMF would be able to play an epoch-making role of preventing financial crisis or that a new international financial order would drive world economy to less dangerous dimension. He says that developing countries have no choice but to do self-revival actions of which essence is to acquire enough liquidity. Since, however, it is impossible to gain a large liquidity by paying unreasonably high cost, liquidity must be obtained within the scope of reasonable cost. The ways for gaining sufficient liquidity reasonably are to avoid excessive short-term foreign debts, increase exchange reserve, and seek for credit facility allowing borrowing<sup>2</sup>.

This study proposes the following countermeasures for preventing the negative effects of capital liberalization, which are caused by short-term speculative capital flow. It is necessary to control flow of short-term speculative capital. To this end, short-term speculative capital flow must be regulated under international cooperation. Or, we may consider taxation over short-term speculative capital transactions or gains at the domestic level<sup>3</</sup>

ences of China and India (Stiglitz and Andrew, 1981). However, in spite of its rigid regulation over short-term capital flow, China has induced a large amount of foreign direct investment.

If foreigners finance domestic currency from domestic banks in order to invest in domestic market, imposition of high interest rate or tax, or obligatory deposit of a part of borrowings at no-interest bearing account may be considered in order to set the limits to the loans to the foreign borrowers (Crotty and Epstein, 1996). Or, if a domestic bank gets short-term borrowings from abroad, it is possible to reduce incentives for short-term borrowing through variable deposit requirement.

The above regulation of short-term speculative capital flow has many restrictions and problems in reality. As described above, for example, Tobin tax can come into effect only if all countries introduce it. From this, a conclusion can be drawn that flow of short-term speculative capital cannot be controlled effectively until all countries introduce Tobin tax.

## **I. Capital Liberalization in Korea**

This section will review and evaluate the process of Korea's capital liberalization before and after the financial crisis in 1997.

### ***1. Capital liberalization before the financial crisis***

Table 1

## Korea's measures of capital liberalization (1985-1996)

| Year | Highlights                                                                                                                                                                                                                                                                                                         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1985 | Permitted Korean firms' overseas stocks (upper limit: 15% of market cap., upper limit of individual equity: 3%)                                                                                                                                                                                                    |
| 1987 | Permitted the investment in stocks and bonds for obtaining high technologies or solving export troubles                                                                                                                                                                                                            |
| 1988 | Permitted securities firms to invest in foreign stock markets (insurers and investment trust companies) (upper limit: USD 30 million for securities firms / USD 10,000 for insurers and investment trust companies)<br>Permitted emigration expense up to USD 200,000, and emigration investment up to USD 300,000 |
| 1989 | Permitted foreign exchange banks to get borrowings from offshore financial markets: issuance of foreign currency denominated bonds<br>Increased the stock investment equity of foreign securities firms to 40%                                                                                                     |
| 1990 | The companies with license of international securities business were allowed to invest in foreign countries up to USD 50 million.<br>Abolished the foreign currency loan of the Bank of Korea                                                                                                                      |
| 1991 | Permitted the issuance of foreign currency denominated bonds for importing production facilities and equipment<br>Allowed domestic institutional investors to invest in foreign national and public bonds with high credit rating<br>Deregulated the regulations over foreign branches' local financing            |
| 1992 | Liberalized domestic stock market: individual                                                                                                                                                                                                                                                                      |

At the same time, Korean government held policy discussions over several times in order to fix basic framework for financial restructuring and encouraged its implementation till May 1998 when the Financial Supervisory Commission (FSC) launched and started to function<sup>1</sup>. The basic blueprint of financial restructuring was drawn under the request or approval of the IMF, which covers National Assembly's early passing of 13 financial reform acts, closure of bad-performing financial institutions and stakeholders' bearing of resulting loss, reduction of the scope of payment guarantee in the deposit insurance system, establishment of standards for supervising soundness, government's financial support on the precondition of self-survival efforts, and improvement in the transparency of accounting principles.

It should be noted that Korea's financial crisis was not generated by national fiscal failure or external speculators, but by the shortage in foreign currency liquidity, which was caused by the fact that foreign financial institutions' refused to provide refinancing for existing loans and demanded payment of whole debts in the situation where Korea had a lot of accumulated short-term debts. In other words, Korea's financial crisis in 1997 came from a sharp rise in Korea's short-term foreign debts in the mid-1990s. However, Korea had already liberalized financial institutions' debt-financing transactions before its accession to the OECD in 1996.

As a matter of fact, there are voices of reflection on Korea's capital liberalization. Those who reflect on the past course argue that Korea's capital liberalization would not be able to reach the present stage unless a financial crisis broke out in 1997, and think that Korea's capital liberalization was not voluntary but forced under external pressure (from IMF, USA, etc.). Even

Table 2

## Korea's capital liberalization under IMF program (December 1997 – December 1998)

| Sector            | Milestones |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Direct investment | May 1998   | Liberalized business categories for foreigners' investment: full liberalization of 7 business categories including building leasing business, partial liberalization of futures trading business, and expanded liberalization of investment cooperatives and CATV business                                                                                                                                                                                                                                                                                                                                                                                  |
|                   | May 1998   | Liberalized business categories for foreigners' investment: full liberalization of 11 business categories including commodity exchange business and investment company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Stock investment  | Dec 1997   | Increased the limit of foreigner's investment in stocks: 26%→50%→55% per issue, and 50%→55% per head<br>Permitted stock acquisition for friendly M&A in the OTC market and stock market without limit<br>Increased the limit of foreign banks' acquisition of the stocks of domestic banks<br>Expanded liberalization of bond market: liberalized non-guaranteed/ guaranteed corporate bonds of large companies (10%→30%); expanded limit of investment in the non-guaranteed CBs of large companies (30%→50%); and abolished the limit of investment in the non-guaranteed corporate bonds and CBs of small-and-medium companies<br>Abolished the limit of |

- permit foreign banks to buy stocks of a domestic bank, which exceed 4% of the total number of its stocks issued and outstanding, under approval from financial watchdog, if it is helpful to improve the efficiency and soundness of Korean banking system;
- approve foreigners' purchase of domestic short-term financial instruments without limit;
- reduce the restrictions against foreign direct investment in domestic stocks through procedure simplification; and
- abolish the limit to private companies' foreign borrowings<sup>1</sup>.

After Korean government and IMF agreed as above, the following four measures for foreign investment liberalization were taken: i) liberalization of domestic listed bonds, ii) liberalization of foreign investment in domestic corporate paper, trade bill and commercial note, iii) liberalization of investment in domestic CD, RP and cover bill, and iv) liberalization of investment in domestic stocks of listed and registered companies.

Before the financial crisis in 1997, foreign companies could not merger or acquire domestic companies. Under this situation, foreign direct investment was naturally limited extremely. However, since the financial crisis, Korean government reorganized systems to encourage foreign direct investment, and lifted all regulations over foreign companies' merger and acquisition of domestic companies (Lim, 2001). It should be noted that as foreign direct investment is a long-term capital without imposing burden of foreign debt payment and leads to job creation and technology transfer, a majority of developing countries like China is in a cutthroat competition over attraction of foreign direct investment (Lim, 2003).

Then, Korean

and issuing short-term overseas securities, prohibit large companies to provide payment guarantee for their subsidiaries including provision of security for foreign borrowings, and prevent main company and its subsidiaries from providing guarantee for local financing.

3. To minimize excessive speculative capital transactions, Korean government has restricted the limit of non-residents' Korean currency borrowing, limited the issuance of short-term Korean currency denominated securities, made it obligatory to settle difference at the expiry of forward exchange contracts, prohibited Korean currency borrowing using irregular use of derivatives, and tried to periodically review internal control over the derivative transactions.

4. Korean government did not abolish the notification of remittance, take-in and take-out of large amount of foreign currency to National Tax Service or Korea Customs Service, connected foreign exchange network and monitoring network of National Tax Service and Korea Customs Service, and systemized monitoring of illegal foreign currency take-out. In this way, the government tries to block illegal take-out of foreign currency or property flight.

5. Korean government ruled that the safeguard may be invoked when it seems to be impossible to use other measures to stabilize domestic economy. The government can require the liberalized capital transactions to be approved in the case of a macroeconomic emergency, and stipulate variable deposit requirement on excessive influx of foreign capital.

### ***3. Evaluation of Korea***

rect investment account showed profit USD 74 billion and USD 7 billion, respectively, and net inflow of stock investment fund reached USD 20.3 billion.

2. As foreigners speeded up their money input for buying Korean stocks shortly after the financial crisis, foreign currency liquidity recorded a large increase. This provided a momentum for Korean government to shift fast from high interest rate policy implemented after the financial crisis to financial deregulation / low interest rate policy, achieving stabilization of interest rate and speedy economic recovery.

3. Inflow of foreign investment fund was very important for KOSPI index to jump up since the mid-1998. Domestic institutional investors had no bullets, but foreign investors bought Korean stocks and led bullish stock rally.

However, Korea's capital liberalization led by IMF brought about the following serious negative effects. Concretely speaking, Korean government attempted to induce capital inflow by using high interest rate exceeding 30%, according to the semi-forced advice of IMF. In the process, Korean government had only adapted to the change of foreign exchange rate under the floating exchange rate system in the beginning, and to the change of interest rate later. Unlike the South American economies, however, the adaptation to the channel of interest rate was not effective in Korea where capital movement was not sensitive to change of interest rate. Because the primary use of interest rate in order to overcome the financial crisis did not improve psychological instability of economic agents and accelerated economic slump. Therefore, Korean companies went bankrupt that would not otherwise

1. The increased liquidity and speculative activity of financial capital is not helpful for long-term economic growth and macroeconomic stability.

2. Unlike economic theories addressing efficiency of market functions, market valuation or stock price change in stock market in which human beings' impulsive economic psychology or speculative activity dominates is not an indicator showing efficiency of national economy or presenting a good direction of capital investment.

3. The ex post coincidence between the interests of stockholders (financial capitalists) and a country's goals of job increase and economic growth is never true empirically as well as theoretically.

4. Even if business management transparency is enhanced and stock prices increase for the interests of foreign financial capitalist, giving benefits to a small number of large stockholders, the interests of such stockholders must not precede economic growth and stability.

5. Conflict over policy goals should be borne to some degree, as long as benefits from capital liberalization are not abandoned. However, it is necessary to have flexible policy combination that changes priority of policy goals depending on economic situation. It is necessary to make efforts for minimizing conflicts over policy goals by utilizing various policy drives like temporary capital control, e.g., variable deposit requirement which forces a part of foreign currency borrowings or a part of foreign investment fund to be deposited at central bank when influx of short-term capital hikes.

transactions have more direct effects on exchange rate. As capital liberalization goes wider, mid- and short-term foreign exchange rate is more directly influenced by capital inflow/outflow.

Hence, the author would like to put an emphasis on improving exchange control system for regulating short-term speculative capital inflow/outflow. It is necessary to manage capital inflow/outflow properly in preparation for the case where foreign capital transforms itself into short-term speculative capital. Also, foreign capitals taking various forms should be differentiated. Inflow of short-term speculative capital should be suppressed. On the contrary, influx of long-term capital should be encouraged. Exchange control system should be improved so that capital outflow as well as capital inflow can be liberalized vigorously.

#### ***Differentiation of capital inflow***

In the beginning where all inflows of foreign capital cannot be liberalized, it is inevitable to provide differentiated treatment for foreign capital in the forms of short-term speculative capital, stock investment and direct investment. Efficient control of the composition of foreign capital allows to reduce total capital inflow and to obtain more desirable foreign funds. The foreign capital related with purchase of capital goods for facility investment and technology development give a slight pressure on overvaluation and money increase, unlike other forms of foreign capital inflow, and on the contrary, provide the positive effects of improving production capacity and promoting technology development of domestic firms. Priority should be, therefore, given to the inflow of the previously mentioned long-term capital inflow, whereas portion of short-term capital inflow should be kept low.

The methods for differentiating various

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