Daiwa's View

If financial crisis returns…

➢ Trigger would be sovereign crises in emerging economies

Fixed Income Research Section
FICC Research Dept.

Chief Strategist
Eiichiro Tani, CFA
(81) 3 5555-8780
eiichiro.tani@daiwa.co.jp

Daiwa Securities Co. Ltd.

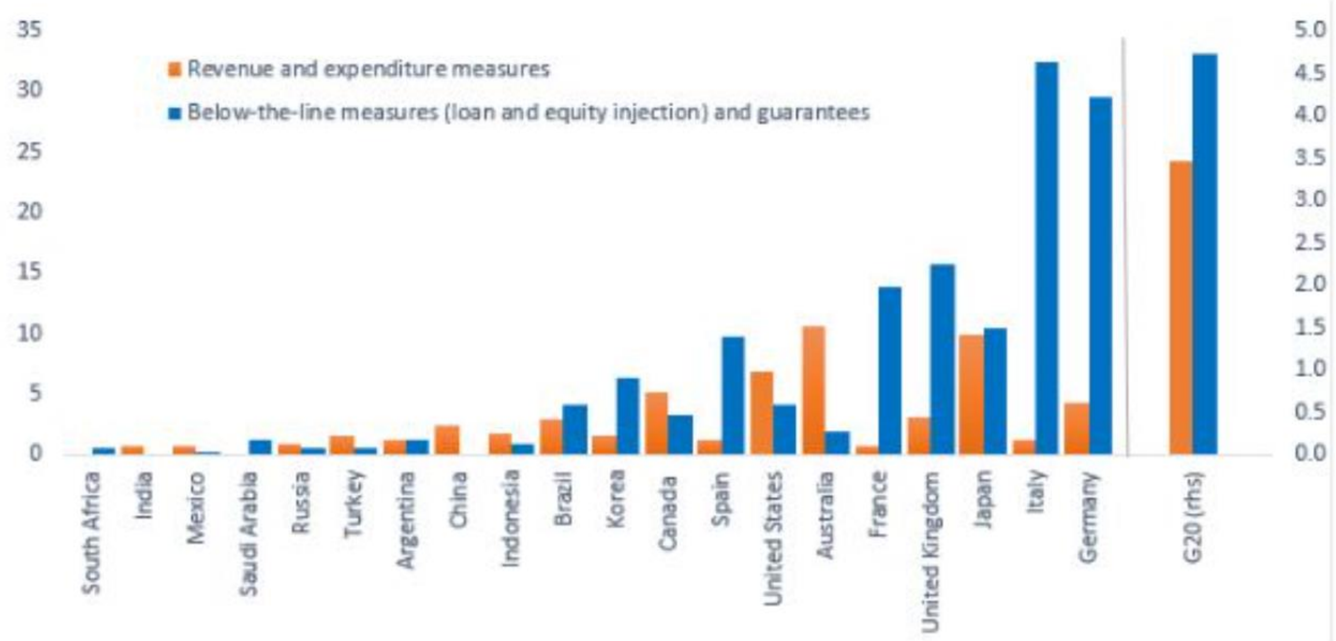
If financial crisis returns…

Trigger would be sovereign crises in emerging economies

Compared to the global financial crisis in 2008, the ongoing COVID-19 crisis is less likely to turn into a financial crisis. This is because a necessary condition for the occurrence of a finical crisis would be "the government's failure." At the time of Japan's financial crisis in 1998 and the global financial crisis in 2008, there was a fatal policy mistake of "delayed government support."[1]

However, the current crisis is a "citizens' crisis," meaning that the political hurdle is low for government support. According to the IMF's estimates, G20 economies have already provided fiscal support corresponding to several percentages of their total GDP (chart below). In addition, the culprit of the current crisis is not financial institutions but the COVID-19 outbreak. Under this structure, the policy mistake of "delayed government support," a cause of a financial crisis, would be less likely to occur.

Chart: Announced Fiscal Measures in G20 Economies (% of GDP)

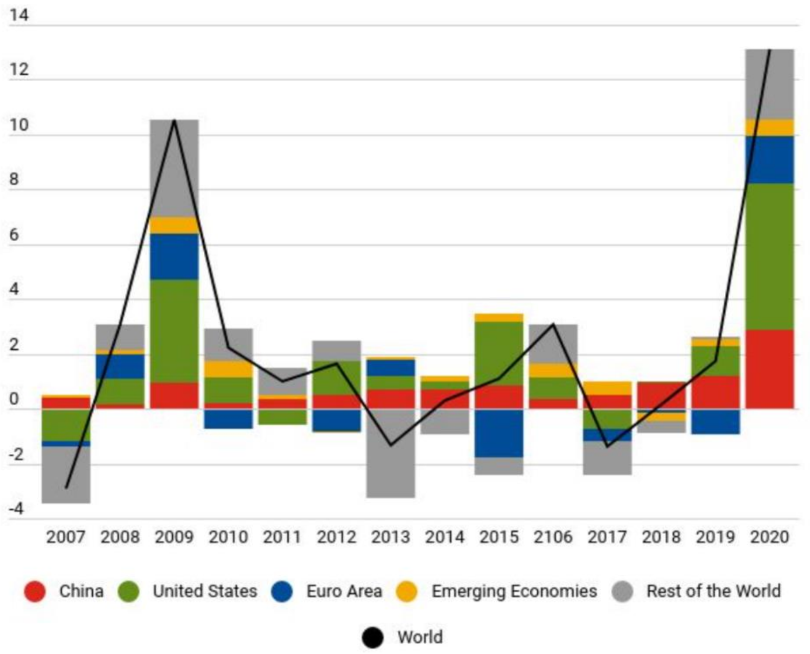


Source: Extracted from IMF; compiled by Daiwa Securities.

[1] Background factor was deep-rooted backlash from citizens against bailout of high-salary employees at financial institutions.

That said, the fact that early-stage, large-scale fiscal spending tends to obtain approval means that fiscal deterioration (solvency crisis) would be more likely to occur. In addition, the amount of fiscal support would increase if major nations (pressed by near-term large-scale economic cost) fail to normalize economic activity levels due to "speed-before-quality" measures for the reopening of the economy. On the other hand, the prolongation of a downturn in GDP entails a risk that "debt dynamics" will fall into a negative spiral.

Chart: Contribution to Change in Global Government Debt Change (2007-20, % of GDP)



Source: Extracted from IMF; compiled by Daiwa Securities.

If this "dynamics deterioration" causes downgrades of sovereign ratings, ratings of financial institutions could be lowered across the board. If so, [the Achilles heel of the COVID-19 crisis] would lie in the risk of downgrades to sovereign ratings. Therefore, the contagion channel would be "solvency crisis → sovereign crisis → financial crisis." If a financial crisis happens under the current situation, it is highly possible that it would be caused by a national solvency crisis.

Which areas are facing such a high risk? Advanced nations are probably in a relatively strong position. The starting point of their ratings is high, and ample private-sector capital accumulation enables them to finance fiscal spending with government bonds denominated in local currencies. In this case, an increase in the issuance of government bonds causes a rise in local interest rates and crowding out, while the central bank's purchases of government bonds to contain them create concerns about currency depreciation. That said, nagging concerns in advanced nations have been currency appreciation and yield declines thus far, and there is thus considerable time until the opposite phenomena would bring about a crisis.

Meanwhile, higher yields and currency depreciation in emerging economies could quickly shift to a solvency crisis as capital accumulation is low and the ratio of foreign currency procurement is high. After the financial crisis, companies in emerging economies rapidly accumulated external debt, leading to record-high levels of outstanding of dollar-denominated debt. Currently, as these portions are facing a rapid outflow of funds, the IMF and G7 have started to provide support such as debt repayment. Whether the COVID-19 pandemic will shift to a financial crisis via solvency crises in emerging nations is one major dividing point of the current crisis.

Explanatory Document of Unregistered Credit Ratings

In order to ensure the fairness and transparency in the markets, Credit Rating Agencies became subject to the Credit Rating Agencies' registration system based on the Financial Instruments and Exchange Act. In accordance with this Act, in soliciting customers, Financial Instruments Business Operators, etc. shall not use the credit ratings provided by unregistered Credit Rating Agencies without informing customers of the fact that those Credit Rating Agencies are not registered, and shall also inform customers of the significance and limitations of credit ratings, etc.

■ The Significance of Registration

Registered Credit Rating Agencies are subject to the following regulations:
1) Duty of good faith.
2) Establishment of control systems (fairness of the rating process, and prevention of conflicts of interest, etc.).
3) Prohibition of the ratings in cases where Credit Rating Agencies have a close relationship with the issuers of the financial instruments to be rated, etc.
4) Duty to disclose information (preparation and publication of rating policies, etc. and public disclosure of explanatory documents).

In addition to the above, Registered Credit Rating Agencies are subject to the supervision of the Financial Services Agency ("FSA"), and as such may be ordered to produce reports, be subject to on-site inspection, and be ordered to improve business operations, whereas unregistered Credit Rating Agencies are free from such regulations and supervision.

■ Credit Rating Agencies

[Standard & Poor's]

The Name of the Credit Rating Agencies group, etc

The name of the Credit Rating Agencies group: S&P Global Ratings ("Standard & Poor's")
The name and registration number of the Registered Credit Rating Agency in the group: S&P Global Ratings Japan Inc. (FSA commissioner (Rating) No.5)

How to acquire information related to an outline of the rating policies and methods adopted by the person who determines Credit Ratings

The information is posted under "Unregistered Rating Information" (http://www.standardandpoors.co.jp/unregistered) in the "Library and Regulations" section on the website of S&P Global Ratings Japan Inc. (http://www.standardandpoors.co.jp)

Assumptions, Significance and Limitations of Credit Ratings

Credit ratings assigned by Standard & Poor's are statements of opinion on the future credit quality of specific issuers or issues as of the date they are expressed and they are not indexes which show the probability of the occurrence of the failure to pay by the issuer or a specific debt and do not guarantee creditworthiness. Credit ratings are not a recommendation to purchase, sell or hold any securities, or a statement of market liquidity or prices in the secondary market of any issues.

Credit ratings may change depending on various factors, including issuers' performance, changes in external environment, performance of underlying assets, creditworthiness of counterparties and others. Standard & Poor's conducts rating analysis based on information it believes to be provided by the reliable source and assigns credit ratings only when it believes there is enough information in terms of quality and quantity to make a conclusion. However, Standard & Poor's does not perform an audit, due diligence or independent verification of any information it receives from the issuer or a third party, or guarantee its accuracy, completeness or timeliness of the results by using the information. Moreover, it needs to be noted that it may incur a potential risk due to the limitation of the historical data that are available for use depending on the rating.

This information is based on information Daiwa Securities Co. Ltd. has received from sources it believes to be reliable as of March 7th, 2017, but it does not guarantee accuracy or completeness of this information. For details, please refer to the website of S&P Global Ratings Japan Inc. (http://www.standardandpoors.co.jp)

[Moody's]

The Name of the Credit Rating Agencies Group, etc

The name of the Credit Rating Agencies group: Moody's Investors Service ("MIS")
The name and registration number of the Registered Credit Rating Agency in the group: Moody's Japan K.K. (FSA commissioner (Rating) No.2)

How to acquire information related to an outline of the rating policies and methods adopted by the person who determines Credit Ratings

The information is posted under "Unregistered Rating explanation" in the section on "The use of Ratings of Unregistered Agencies" on the website of Moody's Japan K.K. (The website can be viewed after clicking on "Credit Rating Business" on the Japanese version of Moody's website (https://www.moodys.com/pages/default_ja.aspx)

Assumptions, Significance and Limitations of Credit Ratings

Credit ratings are Moody's Investors Service's ("MIS") current opinions of the relative future credit risk of entities, credit commitments, or debt or debt-like securities. MIS defines credit risk as the risk that an entity may not meet its contractual, financial obligations as they come due and any estimated financial loss in the event of default. Credit ratings do not address any other risk, including but not limited to: liquidity risk, market value risk, or price volatility. Credit ratings do not constitute investment or financial advice, and credit ratings are not recommendations to purchase, sell, or hold particular securities. No warranty, express or implied, as to the accuracy, timeliness, completeness, merchantability or fitness for any particular purpose of any such rating or other opinion or information, is given or made by MIS in any form or manner whatsoever.

Based on the information received from issuers or from public sources, the credit risks of the issuers or obligations are assessed. MIS adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MIS considers to be reliable. However, MIS is not an auditor and cannot in every instance independently verify or validate information received in the rating process.

This information is based on information Daiwa Securities Co. Ltd. has received from sources it believes to be reliable as of April 16th, 2018, but it does not guarantee accuracy or completeness of this information. For details, please refer to the website of Moody's Japan K.K. (https://www.moodys.com/pages/default_ja.aspx)

[Fitch]

The Name of the Credit Rating Agencies group, etc

The name of the Credit Rating Agencies group: Fitch Ratings ("Fitch")
The name and registration number of the Registered Credit Rating Agency in the group: Fitch Ratings Japan Limited (FSA commissioner (Rating) No.7)

How to acquire information related to an outline of the rating policies and methods adopted by the person who determines Credit Ratings

The information is posted under "Outline of Rating Policies" in the section of "Regulatory Affairs" on the website of Fitch Ratings Japan Limited (https://www.fitchratings.com/site/japan)

Assumptions, Significance and Limitations of Credit Ratings

Ratings assigned by Fitch are opinions based on established criteria and methodologies. Ratings are not facts, and therefore cannot be described as being "accurate" or "inaccurate". Credit ratings do not directly address any risk other than credit risk. Credit ratings do not comment on the adequacy of market price or market liquidity for rated instruments. Ratings are relative measures of risk; as a result, the assignment of ratings in the same category to entities and obligations may not fully reflect small differences in the degrees of risk. Credit ratings, as opinions on relative ranking of vulnerability to default, do not imply or convey a specific statistical probability of default.

In issuing and maintaining its ratings, Fitch relies on factual information it receives from issuers and underwriters and from other sources Fitch believes to be credible. Fitch conducts a reasonable investigation of the factual information relied upon by it in accordance with its ratings methodology, and obtains reasonable verification of that information from independent sources, to the extent such sources are available for a given security or in a given jurisdiction. The assignment of a rating to any issuer or any security should not be viewed as a guarantee of the accuracy, completeness, or timeliness of the information relied on in connection with the rating or the results obtained from the use of such information. If any such information should turn out to contain misrepresentations or to be otherwise misleading, the rating associated with that information may not be appropriate. Despite any verification of current facts, ratings can be affected by future events or conditions that were not anticipated at the time a rating was issued or affirmed.

For the details of assumption, purpose and restriction of credit ratings, please refer to "Definitions of ratings and other forms of opinion" on the website of Fitch Rating Japan Limited.

This information is based on information Daiwa Securities Co. Ltd. has received from sources it believes to be reliable as of September 27th, 2019, but it does not guarantee accuracy or completeness of this information. For details, please refer to the website of Fitch Rating Japan Limited (https://www.fitchratings.com/site/japan)

February 2020

IMPORTANT