



ECONOMIC &

MARKET

ANALYSIS

8 May 2009

Economics

ROMANIA

CONTRIBUTING RESEARCH STRATEGISTS

Ilker Domac

+90 (212) 319-4623
ilker.domac@citi.com
Istanbul

Engin Dalgic

+90 (212) 319-4915
engin.dalgic@citi.com
Istanbul

Romania: Trip Notes

NBR is set to cut more aggressively

These notes draw upon meetings that took place in Bucharest on 6-7 May with senior officials from the Ministry of Finance, the Central Bank, international financial institutions, as well as market participants and independent analysts.

- **Romania's near-term economic prospects have improved considerably, thanks to the EUR 20 billion IMF-EU led financial package. Despite significant implementation risks—particularly on the fiscal front—we believe that the programme also improves the medium-term economic outlook.**
- **We argue that there is more at stake than just weathering the crisis. A credible implementation of the programme should put Romania in a stronger position for ERM 2 entry in 2012.**
- **We think that the strong external adjustment, the rising output gap and the alleviation of the near-term risks should lead the NBR to cut more aggressively than before. In our view, the Bank is likely to bring its policy rate to 7.25% by the end of this year.**
- **Despite risks, the current backdrop paints a more favourable picture for the leu. We expect EUR/RON to be around 3.95 by year-end, which amounts to a real depreciation of about 6.0%.**

This report can be accessed electronically via

- [FI Direct](#)
- E-Mail

Please contact your salesperson to receive fixed-income research electronically.

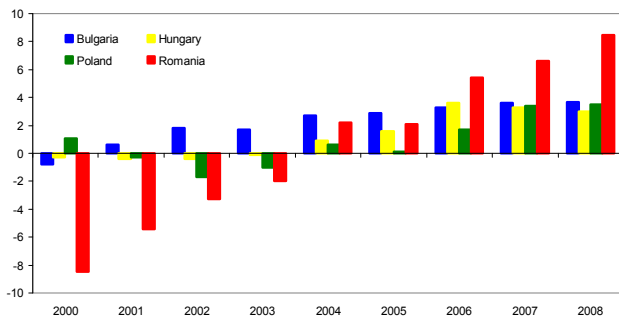
NBR is set to cut more aggressively

Overview

Romania is heading for a marked external adjustment ...

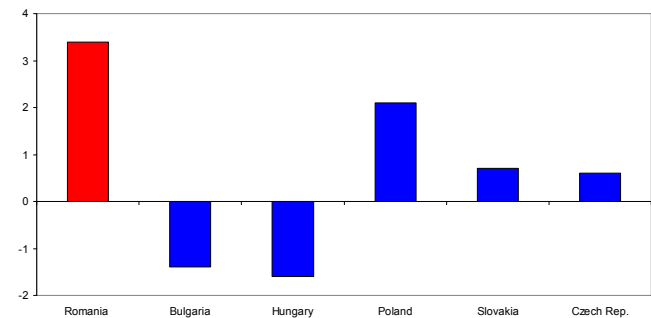
Romania’s economic boom over the past five years, which led to overheating and unsustainable imbalances, has come to an end with the global economic downturn. The economy has entered a challenging process of correcting large economic imbalances. Given the degree of overheating and the vulnerabilities built up during the boom period—along with the marked fiscal relaxation in recent years, 2008 in particular—we expect the adjustment process to be an arduous one, as the global downturn increasingly spills over into the country (Figures 1 and 2).

Figure 1. Gap between Actual and Potential GDP



Source: AMECO Note: At 2000 market prices.

Figure 2. Fiscal Impetus (2008)

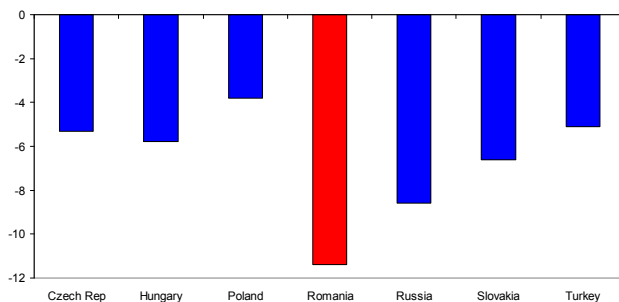


Source: EC Note: Change in the cyclically adjusted budget deficit.

... led by a sharp growth reversal.

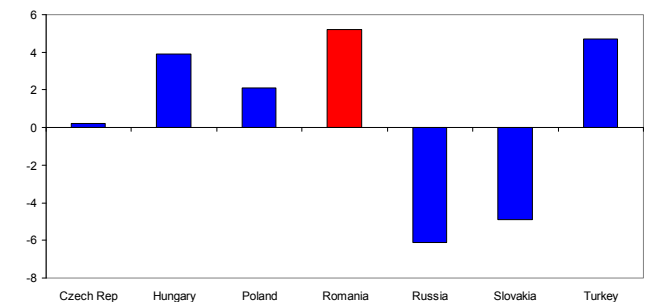
In view of the country’s underlying economic problems, we had earlier argued that Romania’s external adjustment is likely to rely more on a slowdown of economic growth (see for instance [En route to a soft landing amidst challenges](#), 29 February 2008 for more on this). Our current forecasts seem to corroborate this view, as Romania seems to be heading for the largest growth reversal and external adjustment in the region (Figures 3 and 4). The large magnitude of the required adjustment, in turn, reiterates the importance of the IMF-EU-led package in facilitating a less painful correction process.

Figure 3. Expected Growth Reversal in 2009



Source: Citi.

Figure 4. Expected Magnitude of the External Adjustment in 2009



Source: Citi Note: Percentage of GDP.

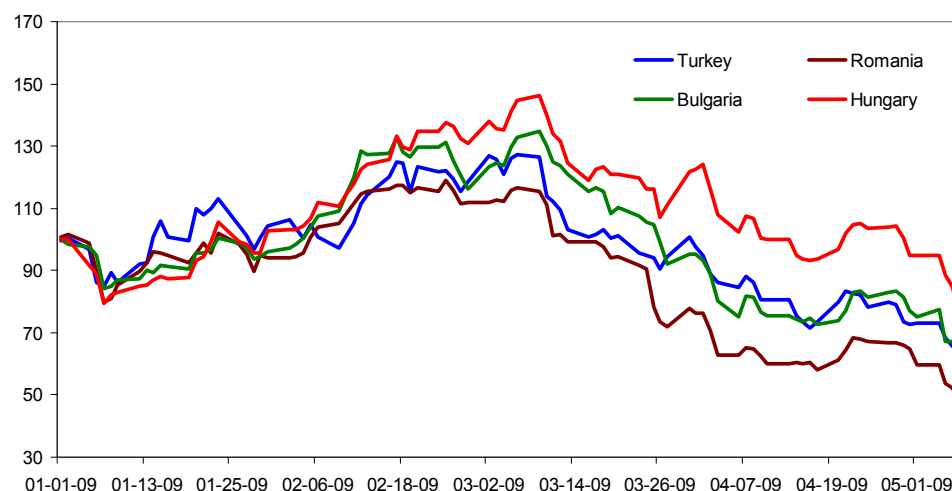
The IMF-EU led programme eases the burden of adjustment ...

The IMF-EU supported economic programme—a €20 billion financial package for two years—was indeed a turning point in arresting the deterioration in investor sentiment (Figure 5).¹ The new economic programme aims at bolstering fiscal discipline and financial stability to alleviate short-term funding pressures and enhance medium-term economic prospects.

...in a front loaded manner.

With the approval of the programme by the IMF's Executive Board on 4 May, €5.0 billion has become immediately available and the remainder will be disbursed in instalments subject to quarterly reviews (the first one is likely to take place in September). In parallel, the first tranche of the EU assistance (€2.5 billion) is expected to be disbursed in July.

Figure 5. Evolution of 5-Year CDS Spreads (December 2008=100)



Source: Bloomberg.

There are, however, significant implementation risks ...

We recognise that the IMF-EU supported new economic programme has played an important role in reducing near-term risks, while improving the prospects for addressing vulnerabilities accumulated during the boom period—a conjecture, which is also confirmed by the initial favourable market response (Figure 5). However, the remainder of this year and 2010 will be challenging not only because of the difficult global backdrop, but also due to the presence of implementation risks associated with the economic programme—especially on the fiscal front—which will also test the resolve of the government. In fact, the upcoming elections (for the European Parliament in June and Presidential in November) may prove to be an important source of distraction for economic policy making, thereby adversely affecting investor sentiment.

... as there is more at stake than just riding out the financial storm.

In our view, successful implementation of the IMF-EU-supported programme has important implications beyond weathering the crisis. A credible implementation of the programme should put Romania in a stronger position for ERM 2 entry in 2012. As a result, we believe that there is more at stake than just riding out the financial storm.

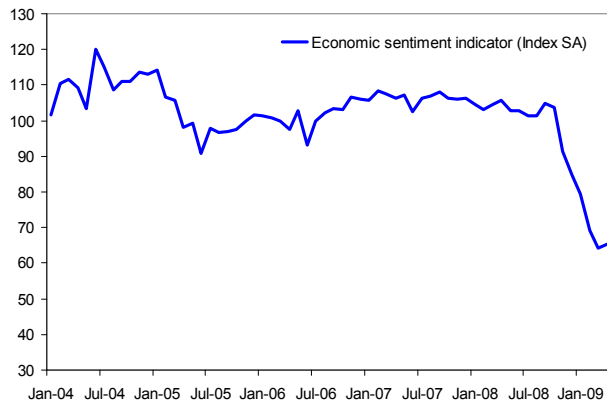
¹ The total international support is around €19.9 billion, with the EU providing €5.0 billion, the World Bank €1.0 billion, and the EBRD, EIB, and the IFC a combined €1.0 billion. The IMF component of the package will be used to bolster international reserves, the portion provided by the EU will be channelled to the Treasury to cover the budget deficit.

A marked reversal of economic growth is underway

Growth is set to contract sharply

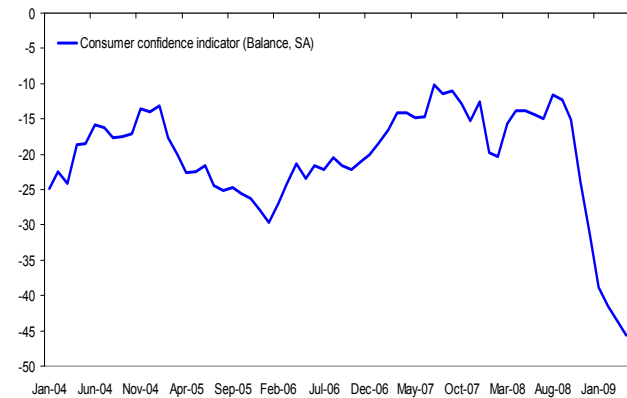
The marked deterioration in consumer confidence and economic sentiment indicators—along with the marked rise in the unemployment rate to 5.7% in April from 4.4% in December 2008—underline the severity of economic downturn (Figures 6 and 7). The tightening global financial conditions, reversal of capital inflows and shrinking export markets have precipitated a major growth reversal that will lead to an estimated decline in the real 2009 GDP growth rate to -4.3% from 7.0%.

Figure 6. Economic Sentiment (Balance, SA)



Source: Ecowin.

Figure 7. Consumer Confidence (Balance, SA)



Source: Ecowin.

... led by domestic demand.

We see the current growth reversal as being led by a plunge in domestic demand, with private consumption and investment both posting significant negative contributions to overall growth (Figure 8). In parallel, we expect the net foreign demand to have a positive contribution, as the impact from shrinking export markets is more than outweighed by the collapsing imports. We expect gradual normalisation of the growth dynamics in 2010, with domestic demand going back into positive territory.

Figure 8. Contribution to GDP growth

	2004	2005	2006	2007	2008	2009F	2010F
Gross Domestic Product	8.5	4.1	7.9	6.2	7.1	-4.3	1.3
Domestic Demand	12.7	11.7	14.9	17.9	14.9	-6.3	1.4
Consumption	10.4	8.4	10.2	10.2	8.7	-2.3	1.0
Gross Fixed Investment	2.3	3.3	4.7	7.6	6.2	-4.0	0.4
Change in stocks	1.5	-2.2	0.4	0.0	-2.9	0.0	0.0
Net Exports	-5.4	-6.1	-10.2	-16.6	-6.3	2.0	-0.1

Source: Ecowin and Citi Note: Contributions may not add up due to the statistical error.

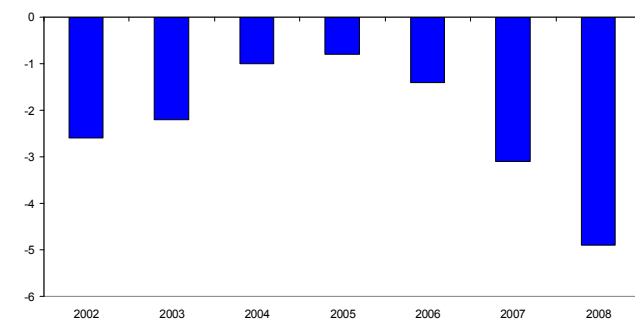
All eyes will be on fiscal performance

Fiscal policy has deteriorated rapidly.

Romania's budget deficit, which was below 1.0% of GDP in 2005, has expanded considerably over time, reaching 5.0% in 2008. The higher-than-planned current expenditures—especially in public wages and social transfers—ahead of the November election, and the sharp drop in revenues in the last two months of 2008 because of the slowdown, were the key factors behind the marked rise in the budget deficit last year (Box 1).²

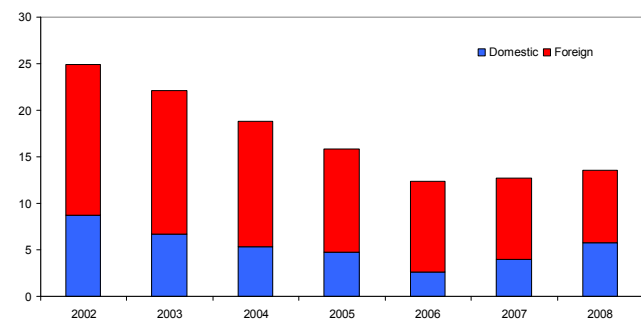
Box 1: Selected Fiscal Indicators

Figure 9. Budget Balance (Percent of GDP)



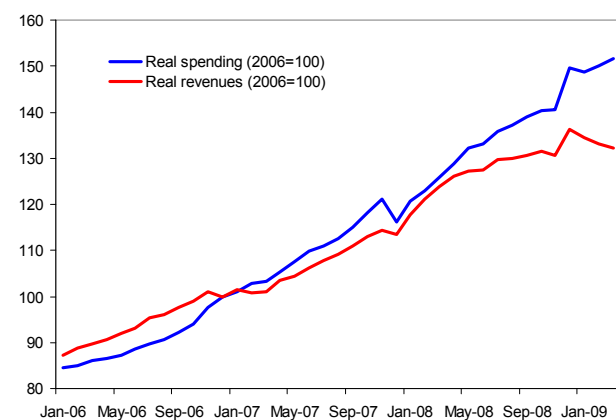
Source: Ecowin .

Figure 10. Public Debt (Percent of GDP)



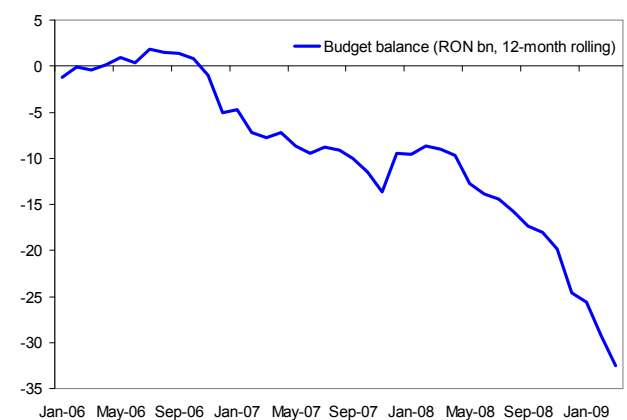
Source: Ministry of Public Finance.

Figure 11. Fiscal Indicators (2006=100, 12-Month Moving Average)



Source: Ecowin and Citi.

Figure 12. Budget Balance (RON Billion)



Source: Ecowin .

The IMF-EU-led programme aims at arresting the marked deterioration in fiscal performance ...

The IMF-EU-supported programme aims at containing the rapid deterioration in fiscal performance in the near term. Specifically, the programme includes consolidation measures that amount to 1.1% of GDP both on the revenue (0.25%) and expenditure (0.85%) sides in order to meet the revised budget deficit target of 4.6% of GDP this year.

² We also note that fiscal policy was pro-cyclical during the boom period (including 2008), which, in turn, aggravated the cycle (Figure 2).

... while tackling structural problems on the fiscal sphere...

The programme also comprises structural reform measures directed at improving the budgeting process, improving fiscal discipline, and tackling the key structural problems on the fiscal sphere. In this respect, the programme envisions the following policy actions:

- New legislation to streamline public wages through establishing a unified pay scale and limiting bonuses, while also prohibiting the creation of non-monetary bonuses.
- Pension reform, which entails measures such as changing indexation structure (from wages to inflation) and raising the contribution rate, among other things, to ensure the financial viability of the system.
- Adoption of a new fiscal responsibility law, with a view to improving multi-annual budgeting and containing discretion in the conduct of fiscal policy.

... which are politically sensitive but entail long-term benefits.

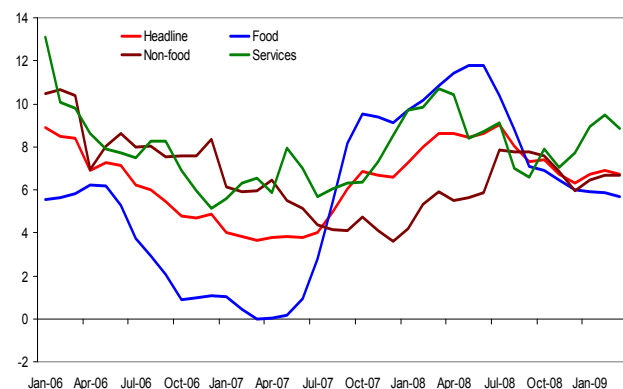
All in all, the fiscal component of the IMF-EU-supported programme contains the most contentious/politically sensitive measures.³ In this regard, successful implementation of the structural reform measures mentioned above is a prerequisite for expediting the convergence of the Romanian economy.

Conditions appear ripe for more aggressive easing

Inflation has surprised on the upside in 1Q 09.

The higher-than-expected inflation readings in the first quarter were largely driven by leu weakness and certain food items, whose prices grew at a considerably quicker pace. In parallel, core inflation measures have not displayed a noticeable improvement, suggesting that inflationary pressures failed to ease during this period.

Figure 13. CPI Components of Inflation (Percent Change, YoY)

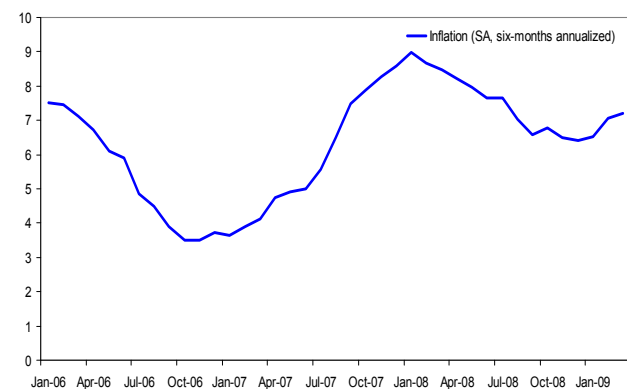


Source: Ecowin.

... which is largely due to domestic factors such as the leu depreciation.

Furthermore, a simple exercise demonstrates that the Romania-specific component of overall inflation has been increasing progressively since last September, which currently stands at its highest since June 2006 (Figure 15). The role of common EU-wide inflation trends (adjusted for Romanian inflation weights), in contrast, have been shrinking. Leu weakness, which puts upwards pressure on tradable prices and relatively sticky services prices, appear to be the main reasons for this pattern. In parallel, inflation expectations remain don't display a marked improvement, failing to yet reflect the potential disinflationary effect of the growth collapse (Figure 16).

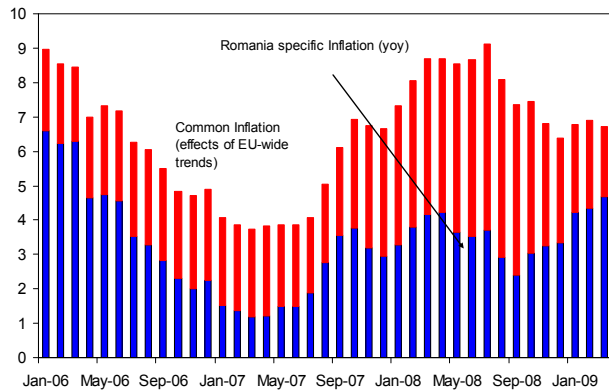
Figure 14. Inflation (Percent MoM, SA)



Source: Ecowin and Citi.

³ Concurrently, we note that there is uncertainty as to whether the IMF will display any flexibility in the event of delays/slippages. This, in turn, also highlights that the IMF may face a trade between creating a moral hazard and being perceived as excessively harsh.

Figure 15. Inflation Decomposition (Percent Change YoY)



Source: Eurostat and Citi. Note: We calculate virtual inflation by using Romania's basket weights to average EU27 inflation rates for detailed HICP components. The virtual rate aims to demonstrate the effects of global price developments, which, in turn, allow us to extract external inflation and analyse country-specific inflation.

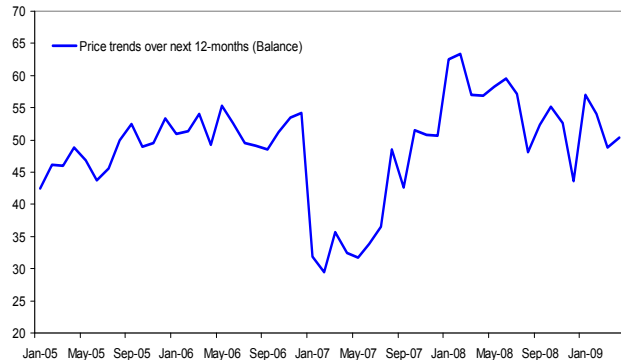
We expect inflation to ease during the remainder of the year.

Looking ahead, lower food and commodity prices—along with aggregate demand weakness and the recovery of the leu—should help lower inflation to around 5.0% in 2009, which is somewhat more pessimistic than the NBR's most recent forecast of 4.4%, from 6.3% in 2008. Despite the absence of a marked improvement in price dynamics during 1Q 09, we think our end-year inflation projection is feasible, barring exchange rate shocks.

While the NBR has been prudent so far ...

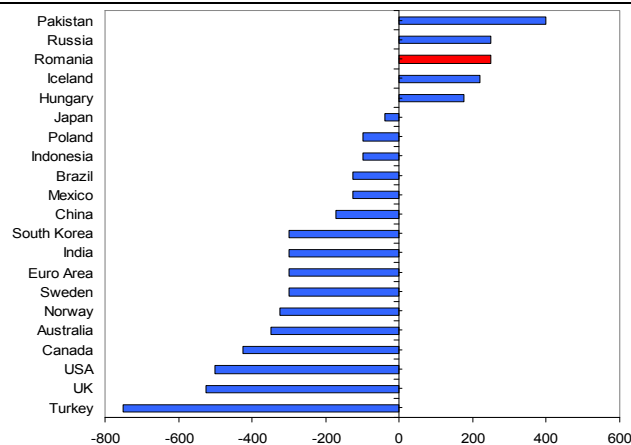
What are the implications of the above-described picture for the conduct of monetary policy? As can be seen from Figure 17, the NBR appears to have pursued a relatively prudent policy since the inception of the financial crisis. This is also confirmed by the evolution of the real policy rate (Figure 18). The NBR has in fact lowered its policy rate by only 75bp to 9.50% in the first five months of this year since December 2008.

Figure 16. Inflation Expectations (Balance, SA)



Source: Ecowin.

Figure 17. Policy Rates (Change since Aug 07, Basis Points)

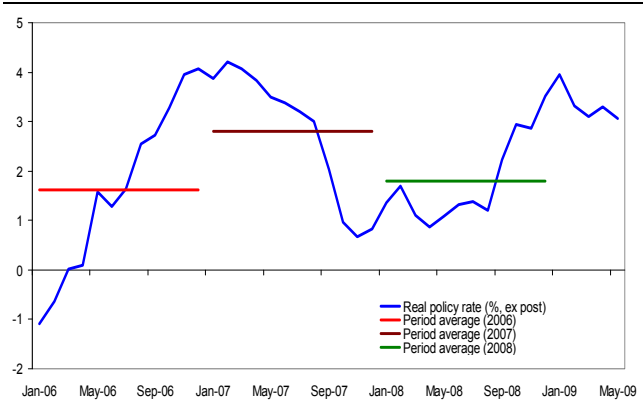


Source: Bloomberg.

... we expect the Bank to pursue a more aggressive easing, bringing the policy rate to 7.25% by the end of 2009.

Where do we go from here? In view of May's higher-than-expected rate cut (50bp versus 25bp) and the new inflation report, we believe that the NBR is likely to pay more attention to the rising output gap. This, coupled with the IMF-EU-led multilateral financial package and the stronger-than-expected external adjustment, is likely to encourage the NBR to ease more aggressively during the remainder of this year. As a result, provided that there is no abrupt halt in the external adjustment and absent significant pressure on the currency, we believe that the NBR will lower its policy rate to 7.25% by the end of this year.

Figure 18. NBR's Policy Rate (Percent, ex post)



Source: Ecowin and Citi.

Box 2: The IMF stand-by arrangement: monetary policy

As a prior action for the IMF programme, the NBR has undertaken a stress testing of all banks with more than 1.0% share by asset size in the Romanian market. As was decided in a recent meeting in Vienna, the parent institutions of the nine largest foreign-owned banks, with a market share of 70% of assets, have expressed their commitment to maintaining their exposure to Romania, while confirming that they stand ready to take appropriate measures in the light of the findings of the noted stress tests.

In the context of the programme, we believe that, as has been the case with other inflation targeting central banks, the NBR is likely to be required to have consultations with the IMF staff in the event of deviations of +/- 1.0 percentage point from the inflation target. Deviations above +/-2.0 will entail consultations with the IMF’s Executive Board. In parallel, we expect quarterly targets for net international reserves (or NFA) under the umbrella of the IMF program.

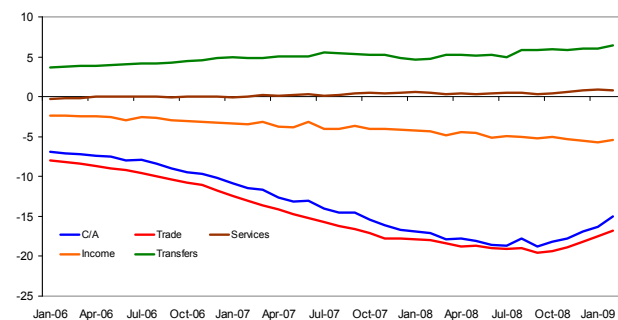
Source: Citi.

Current account gap is heading for a major contraction

We expect the current account gap to shrink to around 7½ % of GDP.

At below €0.1 billion, February’s current account gap, which brings the 12-month rolling deficit to €15.0 billion from €16.3 billion in January, confirms the severity of the ongoing external adjustment (Figures 18 and 19). In our view, the combination of economic weakness and a more competitive exchange rate should help narrow the country’s large current account deficit to around €9.0 billion (7.4% of GDP) this year, from almost €17 billion (12.3%) in 2008.

Figure 19. Current Account Developments (EUR Billion)



Source: Ecwin.

...which, coupled with the sizeable IMF-EU package, reduces external financing risks.

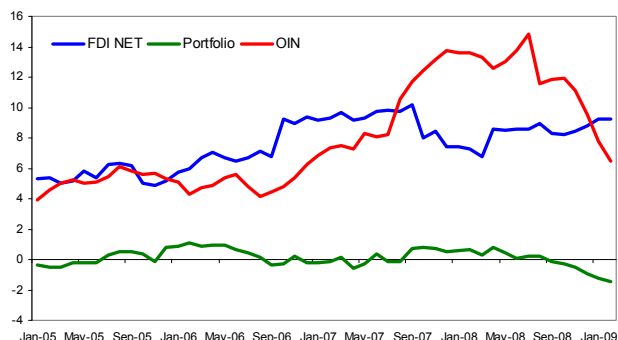
Figure 20. Current Account Balance (EUR Billion)

	Feb-08	Feb-09	Jan-Feb 08	Jan-Feb 09	% change
C/A balance	-1.35	-0.09	-2.50	-0.61	-75.47
Trade	-1.23	-0.58	-2.37	-0.96	-59.45
Services	0.05	-0.05	0.14	0.07	-50.37
Income	-0.40	-0.13	-0.81	-0.69	-14.14
Transfers	0.23	0.67	0.54	0.97	80.67

Source: Ecwin.

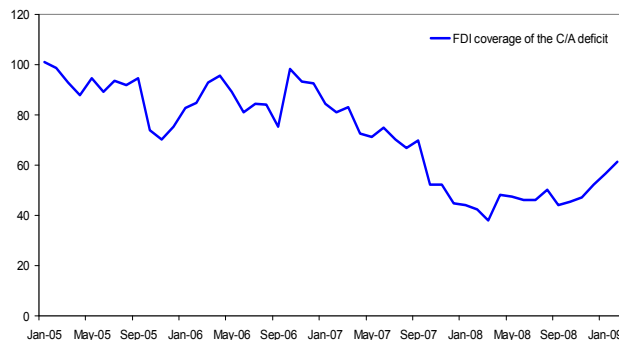
The envisaged narrowing of the current account deficit bodes well for efforts aimed at reducing the country’s external financing requirement (Figures 21 and 22). In this regard, the Vienna agreement involving the parent institutions of the nine largest foreign-owned banks incorporated in Romania is also worth highlighting. The noted banks have confirmed that they remain committed to maintaining their exposure to Romania. In our view, this development, coupled with the IMF-EU-led package, constitutes an important step in alleviating concerns over the country’s large external financing needs.

Figure 21. Capital Account Developments (EUR Billion)



Source: Citi.

Figure 22. FDI Coverage of the Current Account (Percent)



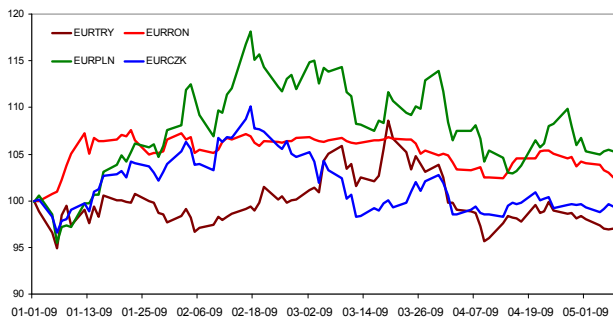
Source: Citi.

Prospects for leu recovery look good

The outlook for leu has improved in recent months...

In our view, the IMF is comfortable with the NBR’s active involvement in the FX market to contain excess volatility (Figure 23). This, coupled with the presence of a more credible macroeconomic framework supported by a sizeable IMF-EU-led financial package, should support the leu, barring a marked deterioration in global risk appetite. Moreover, the ongoing strong external adjustment is another important leu-supportive development.

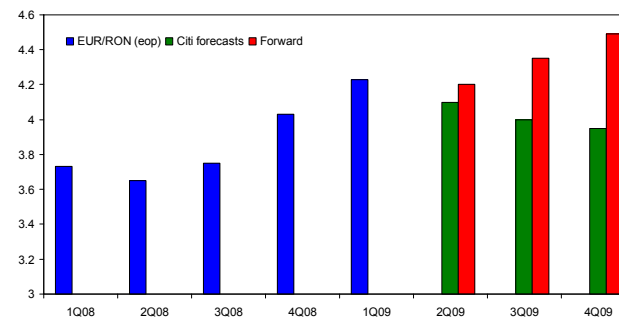
Figure 23. Evolution of RON vs. Selected Currencies (Dec 08=100)



Source: Bloomberg.

... but there are potholes on the way to a stronger currency.

Figure 24. EUR/RON forecasts



Source: Bloomberg and Citi.

In our view, the above-noted factors paint a favourable picture for the leu in the near-term. Nonetheless, we acknowledge that there are risk factors which require close monitoring. For instance, in the event of a rapid leu appreciation, the NBR may opt for intervening through selling RON. Moreover, large deviations from the economic programme’s fiscal targets, and political noise ahead of Presidential elections in November, may undermine investor sentiment, thereby adversely affecting the currency. Concerning the former risk factor, we think that the NBR is not likely to intervene unless the currency appreciation is accompanied with an abrupt halt in the external adjustment. In the case of the latter, the conclusion of the IMF’s first review in September will be an important test case.

We expect the EUR/RON to be around 3.95 by year end, which corresponds to a real depreciation of around 6.0%.

Against this backdrop, we expect the EUR/RON at around **4.10** in 2Q, **4.00** in 3Q, and **3.95**, by year-end (Figure 24). The envisaged trajectory for the EUR/RON amounts to a real depreciation of about **6.0%**. We would like to underline that in addition to the risk factors above, the NBR’s willingness to ease its policy stance more aggressively than before may have implications for the leu, which should also be monitored closely.

Disclosure Appendix A1

ANALYST CERTIFICATION

Each research analyst(s) principally responsible for the preparation and content of all or any identified portion of this research report hereby certifies that, with respect to each issuer or security or any identified portion of the report with respect to an issuer or security that the research analyst covers in this research report, all of the views expressed in this research report accurately reflect their personal views about those issuer(s) or securities. Each research analyst(s) also certify that no part of their compensation was, is, or will be, directly or indirectly, related to the specific recommendation(s) or view(s) expressed by that research analyst in this research report.

Other Disclosures

ADDITIONAL INFORMATION AVAILABLE UPON REQUEST

ISSUER-SPECIFIC DISCLOSURES

Citigroup, its officers, directors, and/or employees, may from time to time have long or short positions in, act as principal in connection with, and buy or sell securities or derivatives (including options and warrants) discussed in this report. For purposes of your review of this report, you should assume that this is the case with respect to the securities covered herein.

Citigroup does and/or seeks to do business with many issuers, including through the provision of investment banking or other services. For purposes of your review of this report, you should assume that Citigroup has acted as a manager or comanager of an offering of securities discussed in this report within the prior 12 months or has provided other services to the issuer within the prior 12 months for which it has received or expects to receive compensation.

Citigroup is an active market maker or liquidity provider for many fixed-income securities and from time to time takes principal positions in such securities or related derivatives. For purposes of your review of this report, you should assume that this is the case with respect to the securities covered herein.

LIQUIDITY PROVIDER DISCLOSURE

Citi is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. Citi regularly trades in the securities of the subject company(ies) discussed in this report. Citi may engage in securities transactions in a manner inconsistent with this report and, with respect to securities covered by this report, will buy or sell from customers on a principal basis. For securities recommended in this report, in which Citi is not a market maker, Citi is a liquidity provider in the issuer's financial instruments and may act as principal in connection with such transactions.

VALUATION METHODOLOGY AND OTHER DISCLOSURES

"Relative Value"-based recommendations is the principal approach used by Citi's Fixed Income Strategy and Analysis ("FISA") and Economic & Market Analysis ("EMA") divisions' strategists/analysts when they make "Buy" and "Sell" recommendations to clients. These recommendations use a valuation methodology that is principally driven by opportunistic spread differences between the appropriate benchmark security and the security being discussed: (1) that have different maturities within a unique capital structure, (2) that have different collateral classes within a unique capital structure, or (3) that reflect a unique opportunity associated with a debt security. In addition, it is also not uncommon for a strategist/analyst to make an "Asset Swap" recommendation, such as a "Buy" and "Sell" recommendation between two securities from the same issuer/tranche/sector.

OTHER GENERAL DISCLOSURES

This research report was prepared by Citigroup Global Markets Inc. ("CGMI") and/or one or more of its affiliates (collectively, "Citi"), as further detailed in the report. This research report is also for informational purposes only and is not intended as an offer or solicitation for the purchase or sale of a security or other financial products. Any decision to purchase securities mentioned in the Product must take into account existing public information on such security or any registered prospectus.

This report does not take into account the investment objectives, financial situation, or particular needs of any particular person. Investing in securities and other financial products entails certain risks, including the possible loss of the entire principal amount invested. Certain investments in particular, including those involving structured products, futures, options, and other derivatives, are complex, may entail substantial risk, and are not suitable for all investors. The price and value of, and income produced by, securities and other financial products may fluctuate and may be adversely impacted by exchange rates, interest rates, or other factors. Prior to effecting any transaction in options or options-related products, investors should read and understand the current Options Clearing Corporation Disclosure Document, a copy of which may be obtained on request from your Citi representative. Certain securities may not be registered with, or subject to the reporting requirements of, the US Securities and Exchange Commission or any comparable regulatory authority. Information available on such securities may be limited. Investors should obtain advice from their own tax, financial, legal, and other advisors and only make investment decisions on the basis of the investor's own objectives, experience, and resources.

Citi research analysts may communicate with sales and trading personnel and other Citi personnel for the purposes of gathering and analyzing market information and may discuss with such personnel information regarding, among other things, market trends, economic trends, the market for bonds of a specific issuer, and other market information (such as current prices, spreads, and liquidity), as long as such communications do not impair the analyst's independent ability to express accurately his or her personal views about any and all of the subject securities or issuers. Other Citi personnel who do not function as research analysts, including sales and trading personnel, may provide oral or written market commentary or trade ideas to Citi's customers or proprietary trading desks that differ from the views expressed in this report. Citi's proprietary trading and asset management businesses may make investment decisions that are different from the recommendations contained in this report.

Citi has no duty to update this report, and the opinions, estimates, and other views expressed in this report may change without notice. No liability whatsoever is accepted for any loss (whether direct, indirect, or consequential) that may arise from any use of the information contained in or derived from this report.

Securities recommended, offered, or sold by the Firm: (1) are not insured by the Federal Deposit Insurance Corporation; (2) are not deposits or other obligations of any insured depository institution (including Citibank); and (3) are subject to investment risks, including the possible loss of the principal amount invested. Although information has been obtained from and is based upon sources that the Firm believes to be reliable, we do not guarantee its accuracy and it may be incomplete and condensed. The analysis contained in this report is based on a number of assumptions. Changes in such assumptions could produce materially different results. This communication is not intended to forecast or predict future events. Past performance is not a guarantee or indication of future results. All opinions, projections and estimates constitute the judgment of the author as of the date of the Product and these, plus any other information contained in the Product, are subject to change without notice. Prices and availability of financial instruments also are subject to change without notice.

Citi does not provide tax advice and nothing contained herein is intended to be, or should be construed as, tax advice. Any discussion of US tax matters contained in this report was written to support the promotion or marketing of the transactions or other matters addressed herein and is not intended to be used, and must not be used by any recipient, for the purpose of avoiding US federal tax penalties. Recipients of this report should seek tax advice based on the recipient's own particular circumstances from an independent tax adviser.

This report is intended for distribution solely to customers of Citi in those jurisdictions where such distribution is permitted. No part of this report may be copied or redistributed by any recipient for any purpose without Citi's prior written consent.

Local law requirements may prohibit certain investors from effecting a transaction in the security or securities covered in this report. US persons wishing further information or to effect a transaction should contact a registered representative of CGMI in the United States. Non-US persons wishing further information or to effect a transaction should contact a Citi entity located in their own jurisdiction unless applicable governing law permits otherwise.

AUSTRALIA: This product is made available in Australia to wholesale clients through Citigroup Global Markets Australia Pty Ltd. (ABN 64 003 114 832 and AFSL No. 240992) and to retail clients through Citi Smith Barney Pty Ltd. (ABN 19 009 145 555 and AFSL No. 240813), Participants of the ASX Group and regulated by the Australian Securities & Investments Commission. Citigroup Centre, 2 Park Street, Sydney, NSW 2000. The Product is made available in Australia to Private Banking wholesale clients through Citigroup Pty Limited (ABN 88 004 325 080 and AFSL 238098). Citigroup Pty Limited provides all financial product advice to Australian Private Banking wholesale clients through bankers and relationship managers. If there is any doubt about the suitability of investments held in Citigroup Private Bank accounts, investors should contact the Citigroup Private Bank in Australia. Citigroup companies may compensate affiliates and their representatives for providing products and services to clients. BRAZIL: The Product is made available in Brazil by Citigroup Global Markets Brasil - CCTVM SA, which is regulated by CVM - Comissão de Valores Mobiliários, BACEN - Brazilian Central Bank, APIMEC - Associação dos Analistas e Profissionais de Investimento do Mercado de Capitais and ANBID - Associação Nacional dos Bancos de Investimento. Av. Paulista, 1111 - 11º andar - CEP. 01311920 - São Paulo - SP. CANADA: If this report is being made available in certain provinces of Canada by Citigroup Global Markets (Canada) Inc. ("CGM Canada"), CGM Canada has approved the Product. Citigroup Place, 123 Front Street West, Suite 1100, Toronto, Ontario M5J 2M3. CHINA: This report is made available in China through Citibank (China) Co., Ltd. Beijing Branch, 16F Tower 1 Bright China Chang-an Bldg., 7 Jianguomen Nei Avenue, Beijing, 100005 P.R. China. Citibank (China) Co., Ltd. Beijing Branch is regulated by the China Banking Regulatory Commission. CZECH REPUBLIC: This report is being distributed within the territory of the Czech Republic by Citibank a.s. Citibank a.s. is a bank and securities broker/dealer regulated by the Czech National Bank, Na Příkopě 28, Prague 1, Czech Republic. Unless expressly stated otherwise, Citibank a.s. is only distributing this report and, upon its distribution, it has not changed or amended the actual content of this report in any way (as such was prepared by respective entities and/or individuals as further detailed in the report). HONG KONG: If this report is made available in Hong Kong by, or on behalf of, Citigroup Global Markets Asia Ltd., it is attributable to Citigroup Global Markets Asia Ltd., Citibank Tower, Citibank Plaza, 3 Garden Road, Hong Kong. Citigroup Global Markets Asia Ltd. is regulated by the Hong Kong Securities and Futures Commission. If this report is made available in Hong Kong by Citibank, N.A., it is attributable to Citibank, N.A., Citibank Tower, Citibank Plaza, 3 Garden Road, Hong Kong. Citibank, N.A. is regulated by the Hong Kong Monetary Authority. INDIA: The Product is made available in India by Citigroup Global Markets India Private Limited, which is regulated by Securities and Exchange Board of India. Bakhtawar, Nariman Point, Mumbai 400 021. INDONESIA: The Product is made available in Indonesia through PT Citigroup Securities Indonesia. 5/F, Citibank Tower, Bapindo Plaza, Jl. Jend. Sudirman Kav. 54-55, Jakarta 12190. Neither this Product nor any copy hereof may be distributed in Indonesia or to any Indonesian citizens wherever they are domiciled or to Indonesian residents except in compliance with applicable capital market laws and regulations. This Product is not an offer of securities in Indonesia. The securities referred to in this Product have not been registered with the Capital Market and Financial Institutions Supervisory Agency (BAPEPAM-LK) pursuant to relevant capital market laws and regulations, and may not be offered or sold within the territory of the Republic of Indonesia or to Indonesian citizens through a public offering or in circumstances which constitute an offer within the meaning of the Indonesian capital market laws and regulations. JAPAN: This report is being distributed in Japan by Nikko Citigroup Limited. If this report was prepared by a Citi affiliate of Nikko Citigroup Limited ("NCL"), it is being so distributed under license. If this report was prepared by NCL, it may be based in part on a report produced by one of its affiliates under license. If this report was prepared by NCL and is being distributed in other jurisdictions by other Citi affiliates, or by Nikko Cordial Securities Inc., it is being distributed by them under license. NCL is regulated by Financial Services Agency, Securities and Exchange Surveillance Commission, Japan Securities Dealers Association, Tokyo Stock Exchange and Osaka Securities Exchange. Shin-Marunouchi Building, 1-5-1 Marunouchi, Chiyoda-ku, Tokyo 100-6520 Japan. KOREA: The Product is made available in Korea by Citibank Korea Inc., which is regulated by the Financial Supervisory Commission and the Financial Supervisory Service. Address is Dadong 39, Jung Gu, Seoul, Korea, 100-180. MEXICO: This report is made available in Mexico by Acciones y Valores Banamex, S.A. De C. V., Casa de Bolsa, and Banco Nacional de México S.A. Acciones y Valores Banamex is regulated by Comisión Nacional Bancaria y de Valores. Its address is Reforma 398, Col. Juárez, 06600 Mexico, D.F. Banco Nacional de México S.A. is regulated by the Comisión Nacional Bancaria y de Valores. Its address is Actuario Roberto Medellín 800, Col. Santa Fé, (01210) Mexico City, Mexico. NEW ZEALAND: In New Zealand the Product is made available through Citigroup Global Markets New Zealand Ltd. (Company Number 604457), a Participant of the New Zealand Exchange Limited and regulated by the New Zealand Securities Commission. Level 19, Mobile on the Park, 157 Lambton Quay, Wellington. PHILIPPINES: This report is made available in the Philippines through Citibank, N.A. Philippine Branch, 8741 Paseo de Roxas, Makati City, Philippines. Citibank, N.A. Philippine Branch is regulated by the Bangko Sentral ng Pilipinas. POLAND: The Product is made available in Poland by Dom Maklerski Banku Handlowego SA, an indirect subsidiary of Citigroup Inc., which is regulated by Komisja Papierów Wartościowych i Giełd. Bank Handlowy w Warszawie S.A. ul. Senatorska 16, 00 923 Warszawa. RUSSIA: The Product is made available in the Russian Federation through ZAO Citibank, which is licensed to carry out banking activities in the Russian Federation in accordance with the general banking license issued by the Central Bank of the Russian Federation and brokerage activities in accordance with the license issued by the Federal Service for Financial Markets. Neither the Product nor any information contained in the Product shall be considered as advertising the securities mentioned in this report within the territory of the Russian Federation or outside the Russian Federation. The Product does not constitute an appraisal within the meaning of the Federal Law of the Russian Federation of 29 July 1998 No. 135 FZ (as amended) On Appraisal Activities in the Russian Federation. 8 10 Gashelka Street, 125047 Moscow. SINGAPORE: The Product is made available in Singapore through Citigroup Global Markets Singapore Pte. Ltd. and Citicorp Investment Bank Singapore Ltd. Citigroup Global Markets Singapore Pte. Ltd. is a Capital Markets Services License holder and regulated by the Monetary Authority of Singapore. 1 Temasek Avenue, #39-02 Millenia Tower, Singapore 039192. Citicorp Investment Bank Singapore Ltd. is a Merchant Banking License holder and regulated by the Monetary Authority of Singapore. 3 Temasek Avenue, #17-00 Centennial Tower, Singapore 039190. SOUTH AFRICA: Citigroup Global Markets (Pty) Ltd. is incorporated in the Republic of South Africa (company registration number 2000/025866/07) and its registered office is at 145 West Street, Sandton, 2196, Saxonwold. Citigroup Global Markets (Pty) Ltd. is regulated by the JSE Securities Exchange South Africa, the South African Reserve Bank and the Financial Services Board. The investments and services contained herein are not available to private customers in South Africa. TAIWAN: The Product is made available in Taiwan through Citibank, N.A., Taipei Branch, which is regulated by the Financial Supervisory Commission. No portion of the report may be reproduced or quoted in Taiwan by the press or any other person. F.8 No. 169, Section 4, Jen Ai Road, Taipei, Taiwan. TURKEY: The Product is made available in Turkey through Citibank AS which is regulated by Capital Markets Board. Tekfen Tower, Eski Büyükdere Caddesi # 209 Kat 2B, 23294 Levent, Istanbul, Turkey. UNITED KINGDOM: This report is being distributed in the United Kingdom by Citibank, N.A., London Branch, or Citigroup Global Markets Limited, Citigroup Centre, Canada Square, Canary Wharf, London E14 5LB, UK. This material is directed exclusively at market professional and institutional investor customers in the United Kingdom and is not for distribution to private customers in the United Kingdom as defined by the Financial Services Authority. Any investment or service to which this material may relate will not be made available to such private customers. This material may relate to investments or services of a person outside the United Kingdom or to other matters that are not regulated by the Financial Services Authority and further details as to where this may be the case are available on request in respect of this material. UNITED STATES: This report is being distributed in the United States by CGMI. If this report was prepared in whole or in part by a non-US affiliate of CGMI, CGMI accepts responsibility for its contents (subject to the notices above). If this report covers non-US securities, US investors should be aware that non-US companies may not be subject to uniform audit and reporting standards, practices and requirements comparable to those in the United States. Securities of some non-US companies may be less liquid and their prices may be more volatile than securities of comparable US companies. Exchange rate movements may have an adverse effect on the value of an investment in non-US securities and its corresponding dividend payment for US investors. CGMI is a member of the Securities Investor Protection Corporation. EUROPEAN UNION: Unless specified to the contrary, within EU Member States, the Product is made available by Citigroup Global Markets Limited, which is regulated by the Financial Services Authority. Many European regulators require that the firm must establish, implement and make available a policy for managing conflicts of interest arising as a result of publishing or distribution of investment research. The policy applicable to research analysts within Citi's FISA and EMAA divisions, as well as the investment research they produce, can be obtained by contacting Citigroup Global Markets Inc., 388 Greenwich Street 11th floor, NY, NY 10013, Attention: Fixed Income Publishing.

© 2009 Citigroup Global Markets Inc. (© Nikko Citigroup Limited, if this Product was prepared by it). All rights reserved. Smith Barney is a division and service mark of Citigroup Global Markets Inc. and its affiliates and is used and registered throughout the world. Citi and Arc Design are trademarks and service marks of Citigroup Inc. or its affiliates and are used and registered throughout the world. CitiFx® is a service mark of Citicorp Inc. Nikko is a registered trade mark of Nikko Citi Holdings Inc.. Any unauthorized use, duplication, or disclosure is prohibited by law and may result in prosecution.