

# Polska – Szybszy wzrost, słabnąca presja inflacyjna

---

Piotr Kalisz

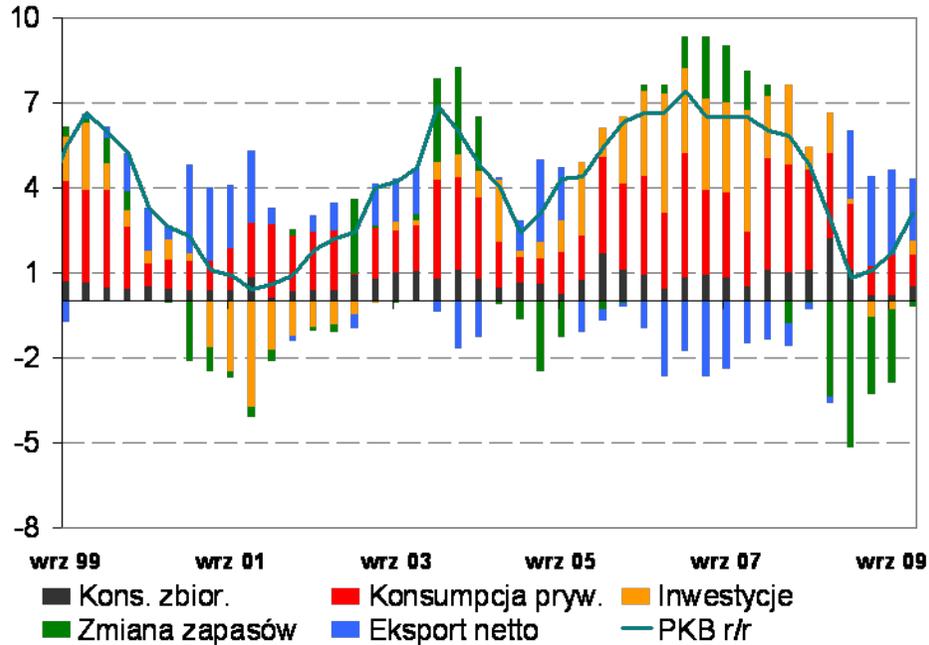
[piotr.kalisz@citi.com](mailto:piotr.kalisz@citi.com)

## Perspektywy wzrostu gospodarczego

---

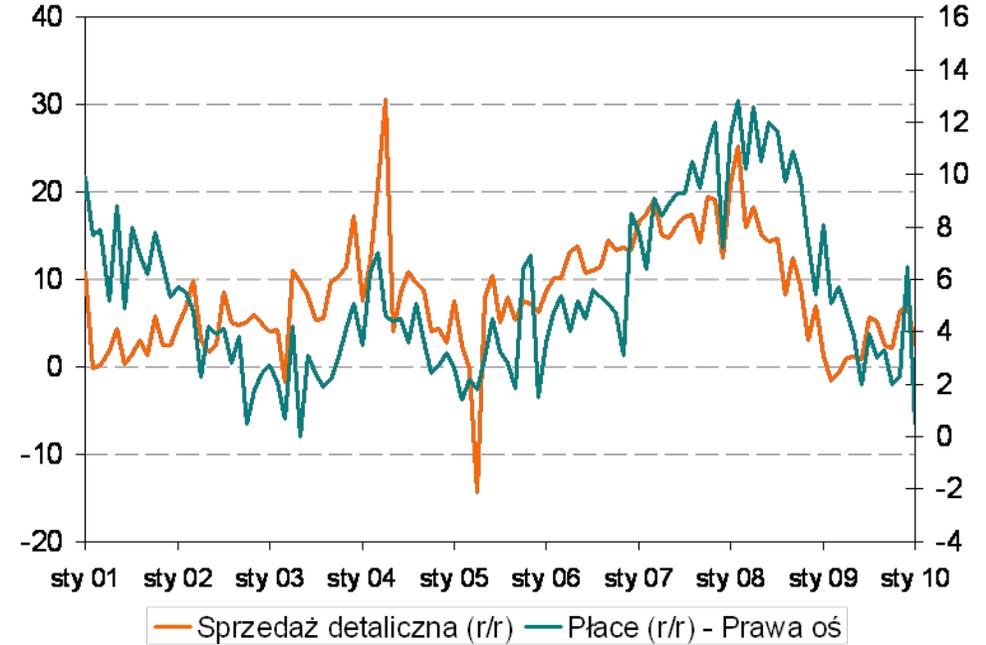
# Powrót do 3% wzrostu PKB

## Kontrybucja do wzrostu PKB



Źródło: GUS, szacunki Citi.

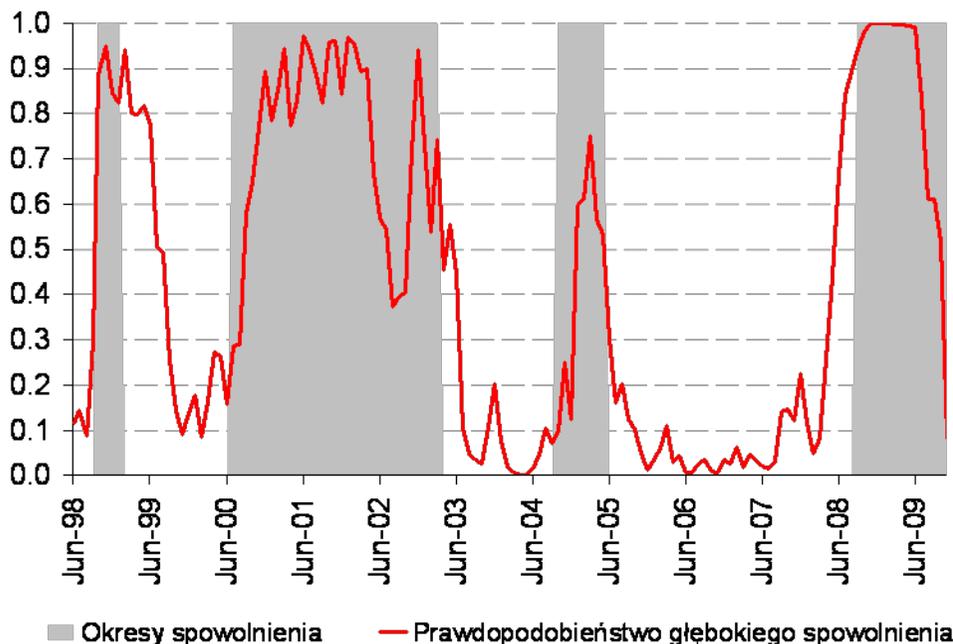
## Sprzedaż detaliczna oraz realny fundusz płac



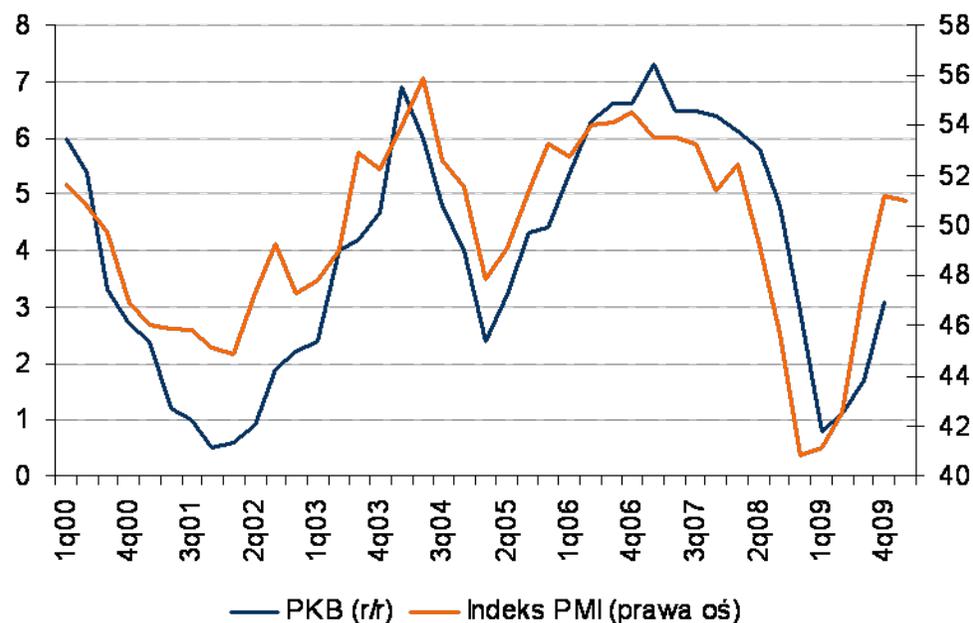
- Wzrost gospodarczy przyspieszył do 3,1% r/r w IV kwartale 2009 roku, przede wszystkim dzięki poprawie w handlu zagranicznym oraz wyższej dynamice inwestycji
- Oznaki osłabienia dynamiki konsumpcji w wyniku pogorszenia sytuacji na rynku pracy

# Dalsze ożywienie możliwe w 2010 r.

## Prawdopodobieństwo głębokiego spowolnienia gospodarczego



## Wzrost gospodarczy oraz wskaźnik PMI w Polsce



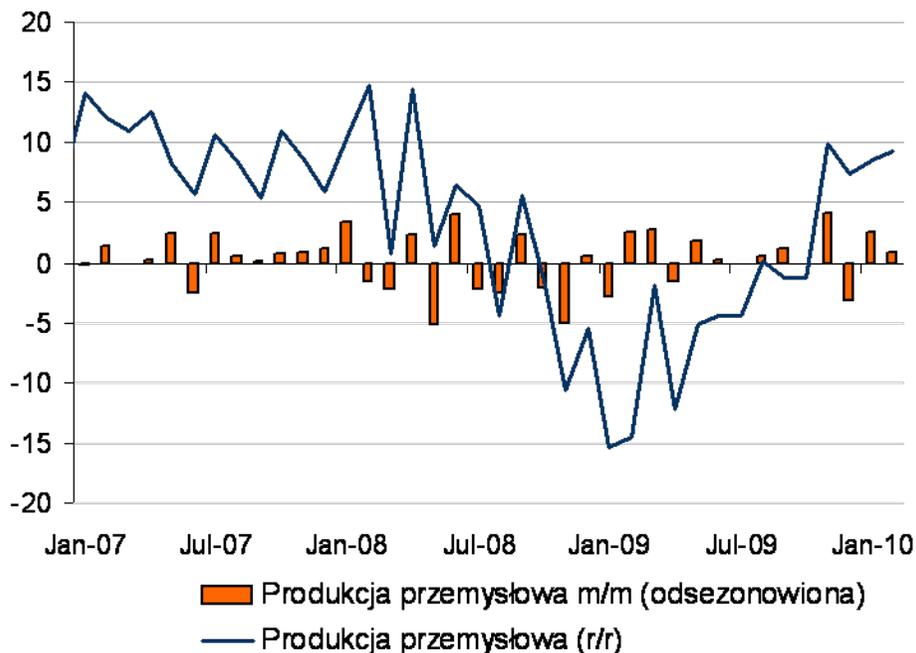
Źródło: Szacunki Citi Handlowy, dane GUS, NBP oraz Reuters.

Uwaga: Prawdopodobieństwo spowolnienia zostało obliczone na podstawie modelu probitowego. „Głębokie spowolnienie” zostało zdefiniowane jako okres, w którym wzrost gospodarczy nie przekraczał przeciętnie 0,7% kw/kw (po odsezonowaniu).

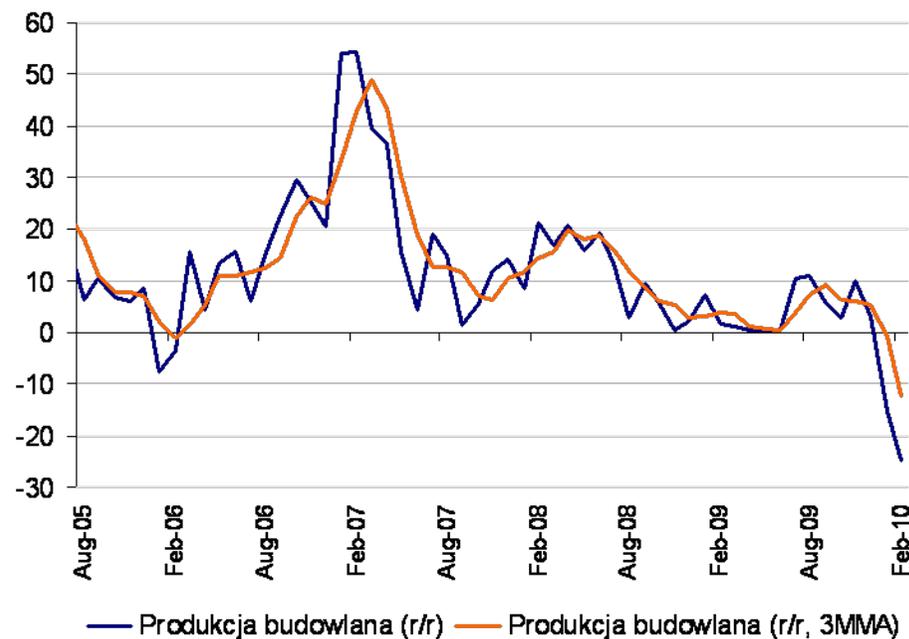
- Ryzyko dalszego głębokiego spowolnienia gospodarczego wyraźnie spadło do poziomów z przełomu 2007 i 2008 roku
- Obecne poziomy indeksu PMI wskazują na przyspieszenie wzrostu do ponad 3% r/r w krótkim okresie

# Warunki pogodowe zaważą na wyniku I kwartału

## Produkcja przemysłowa



## Produkcja budowlana

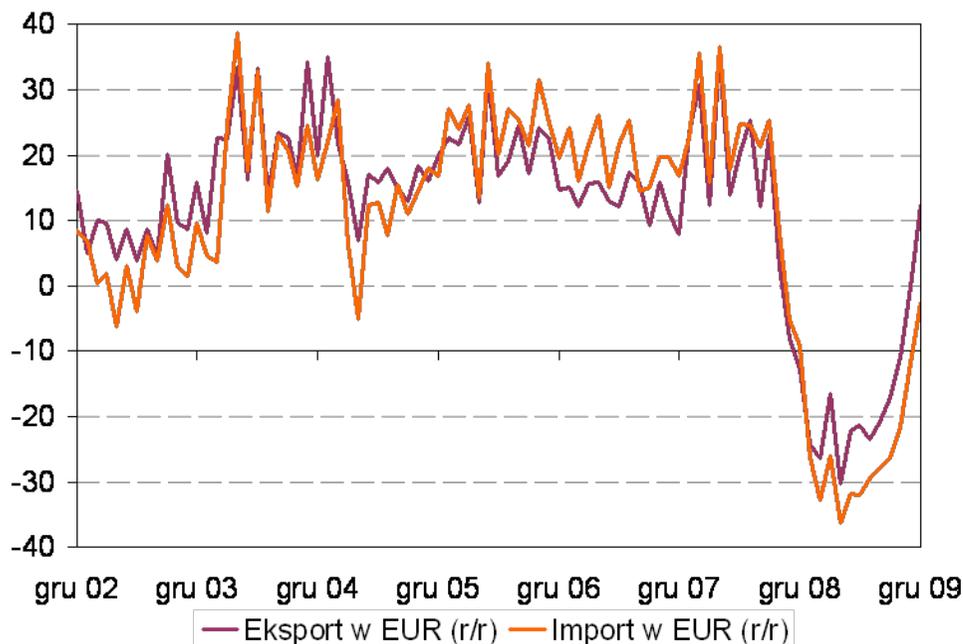


Źródło: GUS, Citi Handlowy.

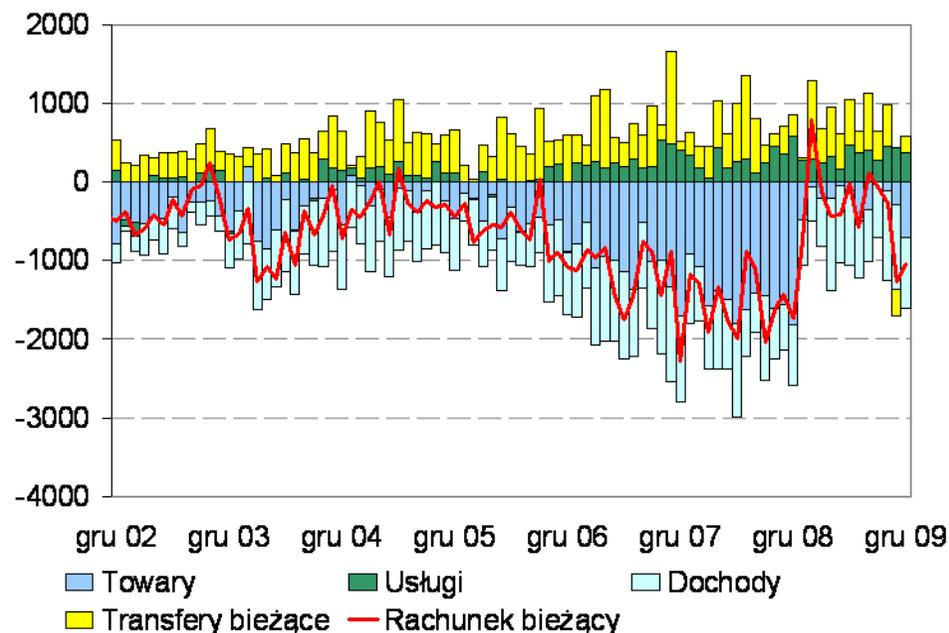
- Pomimo umocnienia złotego produkcja przemysłowa rośnie w tempie około 9% r/r, między innymi dzięki zamówieniom eksportowym
- Wzrost w I kwartale będzie jednak częściowo obniżony przez głębokie spadki produkcji budowlanej w styczniu i lutym

# Ożywienie w obrotach handlowych

## Eksport i import (% r/r)



## Rachunek bieżący - dekompozycja (EUR mn)

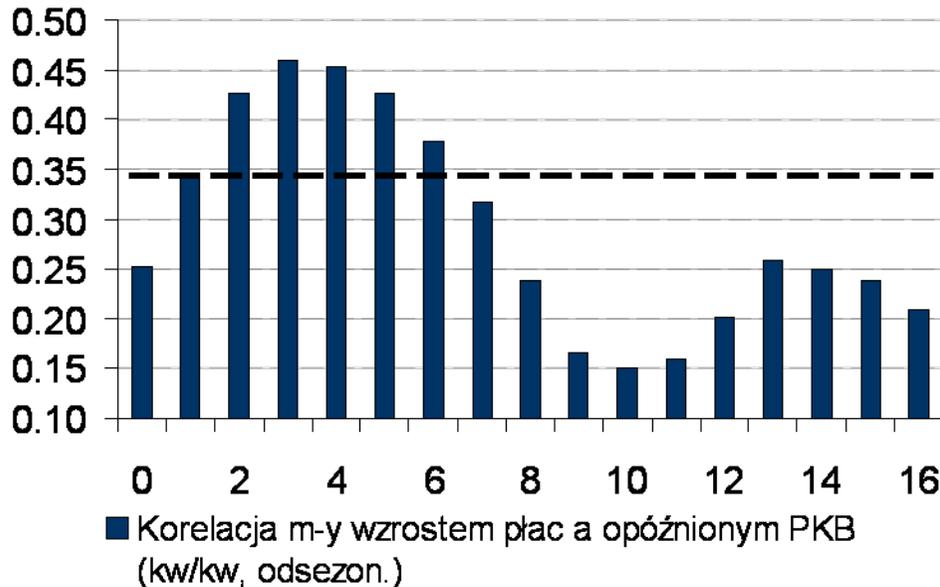


Źródło: NBP.

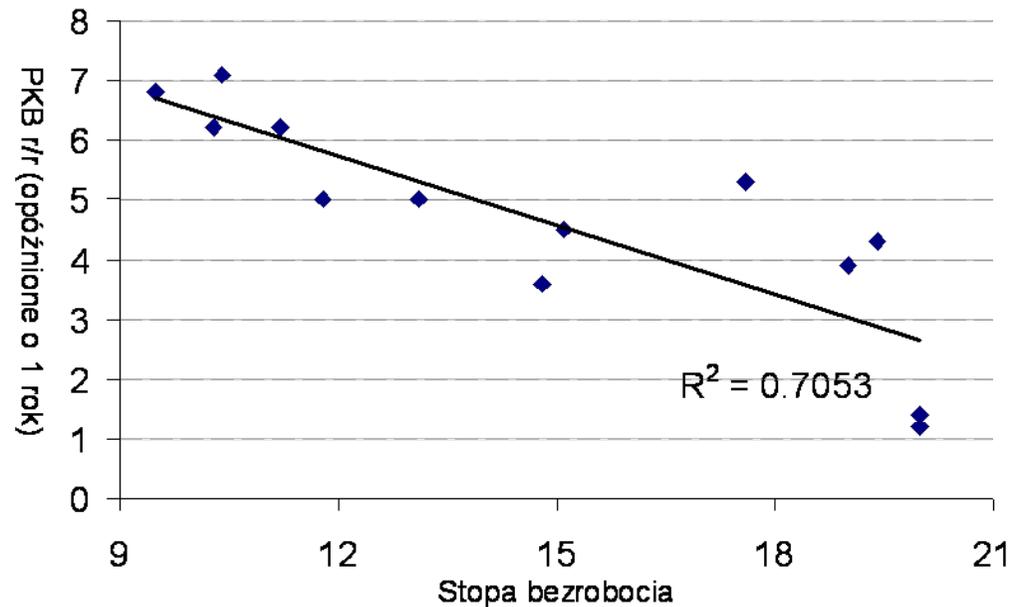
- Poprawa dynamiki eksportu oraz importu, między innymi dzięki bardzo niskiej bazie odniesienia. Dalsze umocnienie złotego mogłoby odwrócić korzystne trendy w handlu zagranicznym
- Znaczne dostosowanie w rachunku obrotów bieżących. Możliwe utrzymanie deficytu w rachunku bieżącym w pobliżu 2,5% PKB w 2010 roku.

# Wciąż trudna sytuacja na rynku pracy

## Reakcja dynamiki płac na zmiany PKB



## Stopa bezrobocia vs. wzrost PKB



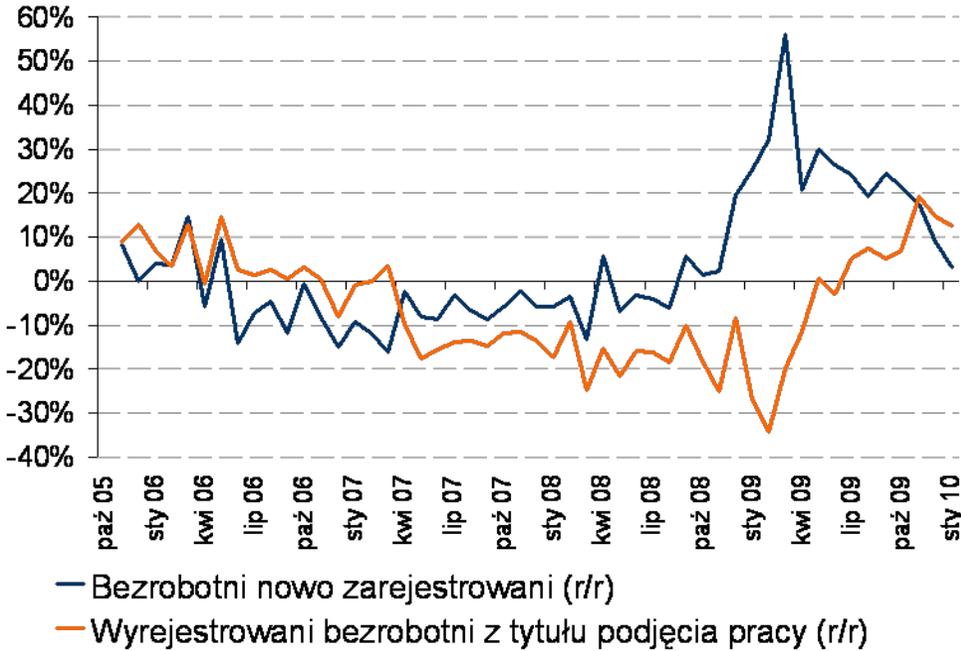
Źródło: Dane GUS, szacunki Citi Handlowy.

Uwaga: Współczynnik korelacji krzyżowej mierzy korelację między wzrostem płac oraz dynamiką PKB (kw/kw). Na osi horyzontalnej zaznaczono opóźnienia w kwartałach. Linia przerywana oznacza granicę przedziału o szerokości 2 odchyłeń standardowych.

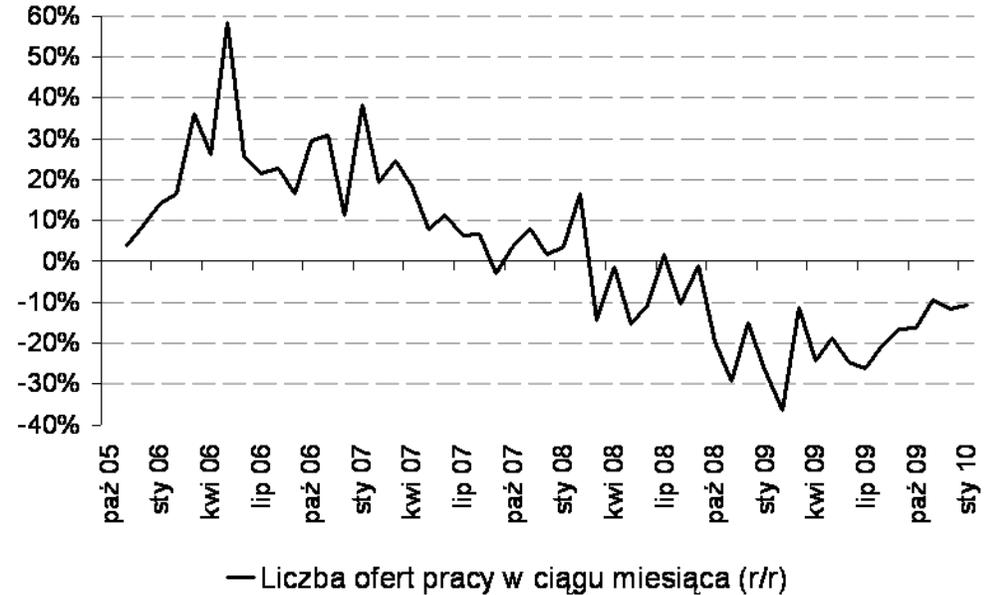
- Możliwe niewielkie ożywienie dynamiki płac w 2010 roku, jednak skala podwyżek wynagrodzeń pozostanie ograniczona
- Wciąż słaby popyt na pracę – prawdopodobny dalszy wzrost bezrobocia w reakcji na dotychczasowe wyhamowanie dynamiki PKB

# Pogarszająca się sytuacja na rynku pracy sugeruje słabnięcie presji inflacyjnej

## Więcej nowo zarejestrowanych bezrobotnych



## Mniejsza liczba ofert pracy

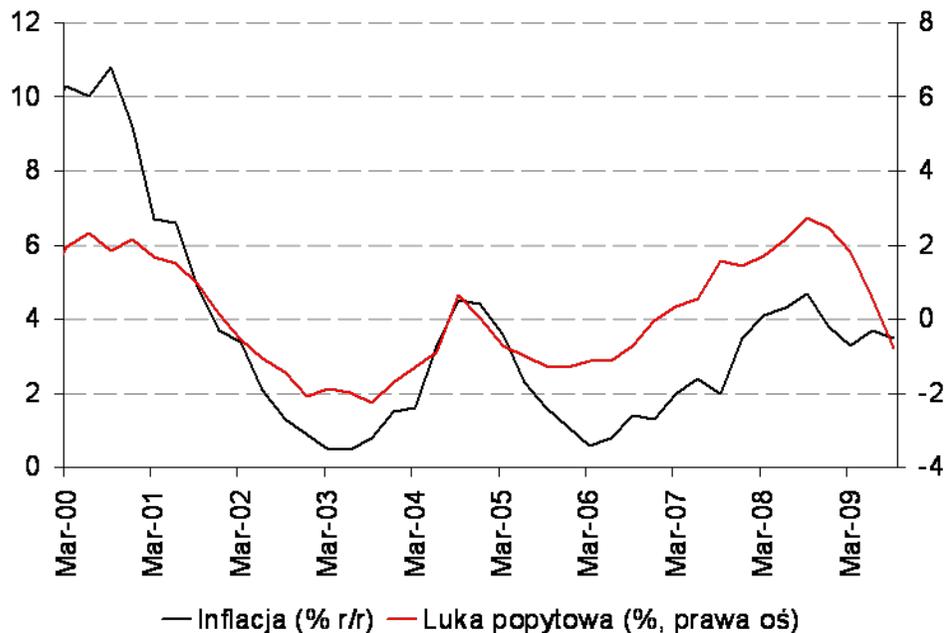


źródło: GUS, Citi Handlowy.

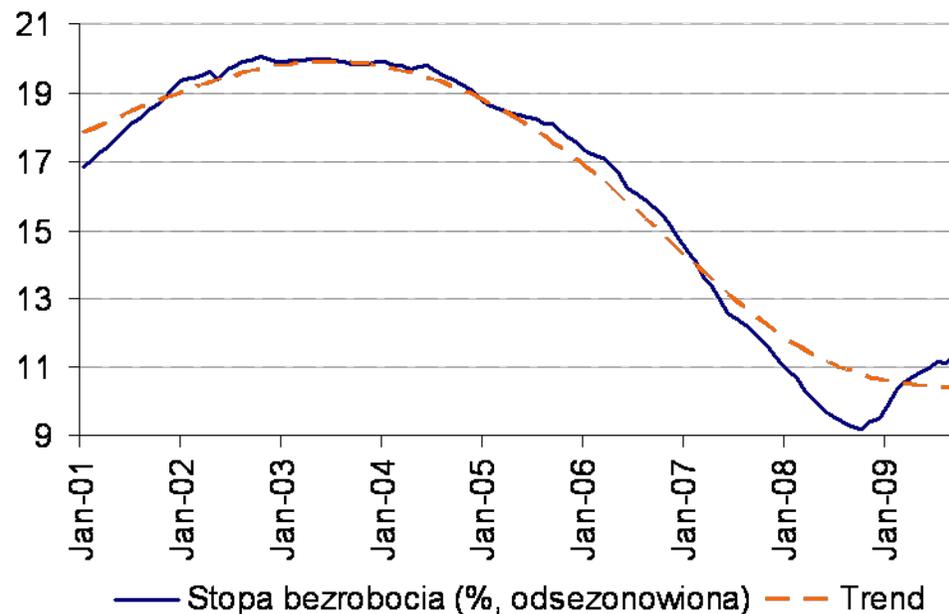
- Wolniejszy wzrost liczby nowych bezrobotnych zapowiada stopniową stabilizację na rynku pracy
- Spadająca liczba ofert pracy sugeruje jednak, że znaczna poprawa nie nastąpi w najbliższym czasie

# Ceny pod kontrolą dzięki słabej presji popytowej

## Wskaźnik inflacji CPI oraz luka popytowa



## Odchylenia stopy bezrobocia rejestrowanego od trendu

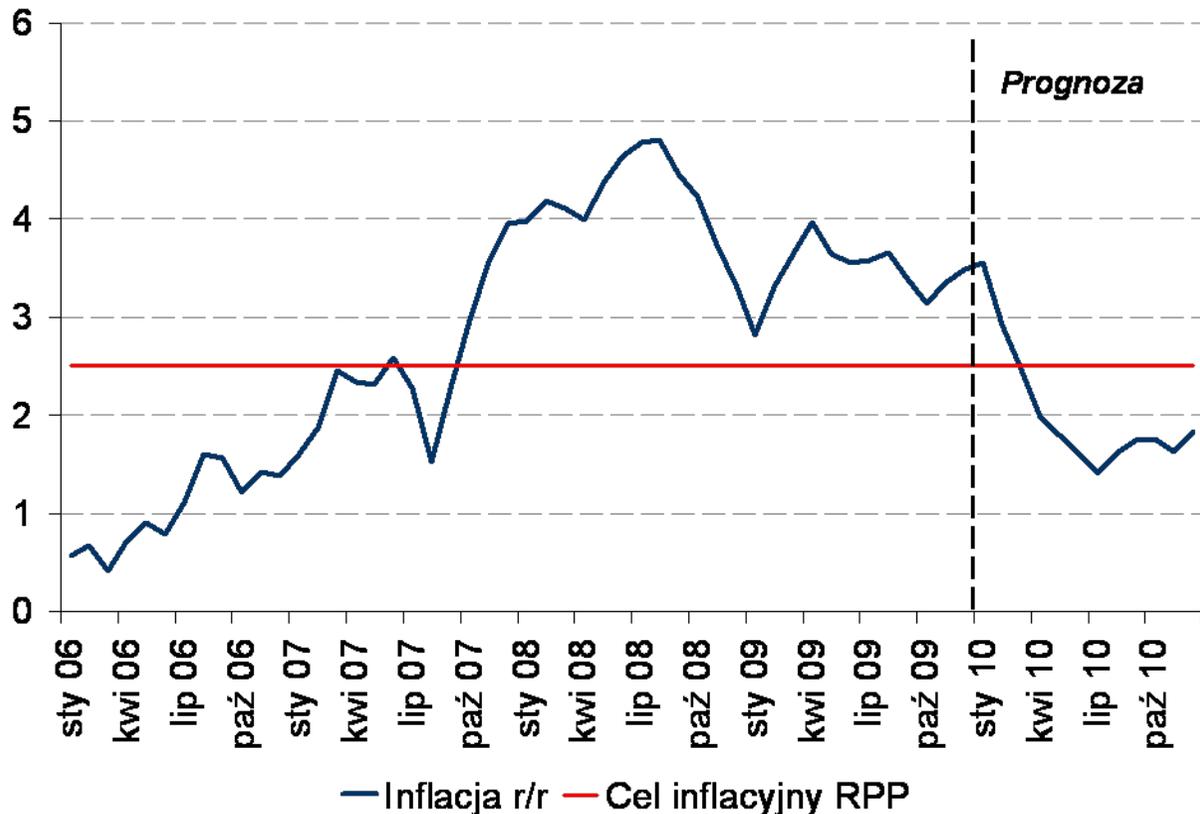


Źródło: GUS, szacunki Citi Handlowy.

- Pomimo przyspieszenia dynamiki PKB, prawdopodobne dalsze powiększenie ujemnej luki popytowej
- Rosnące bezrobocie powinno sprzyjać ograniczeniu presji cenowej w 2010 roku

# Inflacja powraca do 1,5% r/r

## Prognozy inflacyjne



- Możliwy szybki **spadek CPI do około 1,5%** już w 2Q/3Q 2010, a więc w pobliżu dolnej granicy celu inflacyjnego

- Dezinflacja wywołana przez: efekt wysokiej bazy, słabszą presję popytową oraz silniejszego złotego

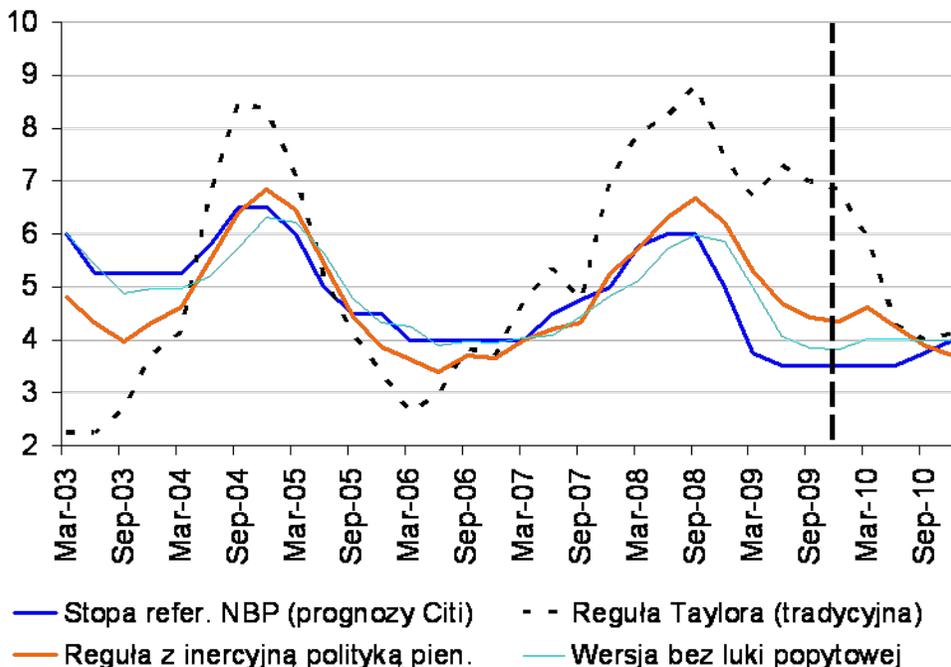
- Główne zagrożenia** – czynniki niezależne od polityki pieniężnej (podwyżki cen kontrolowanych oraz cen żywności)

- Cykl inflacyjny w Polsce opóźniony w stosunku do strefy euro (rok 2009 okresem wysokiej inflacji, a rok 2010 okresem spadku CPI)

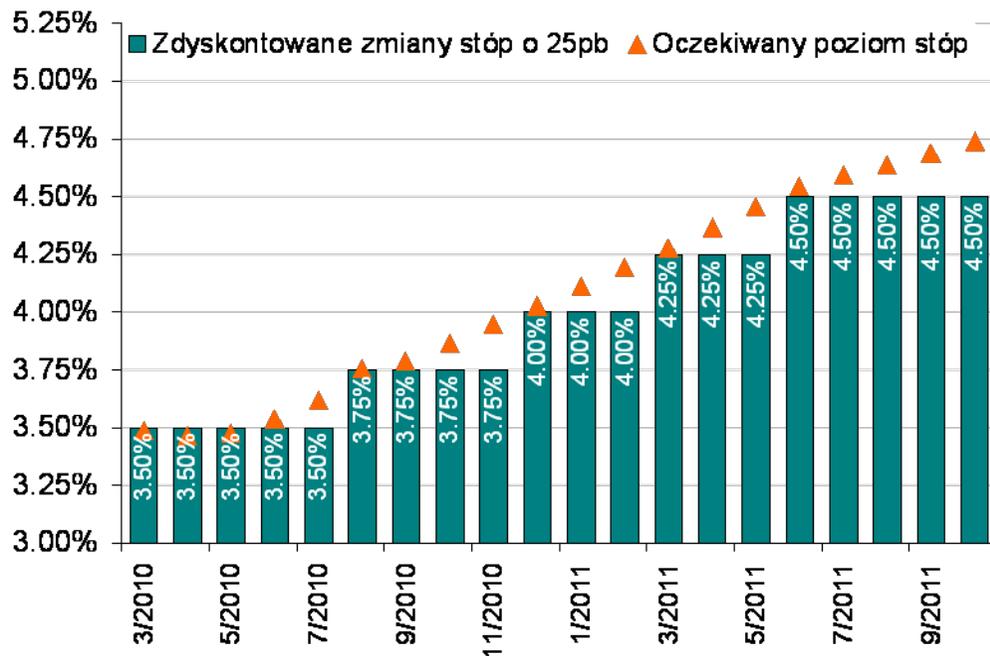
Źródło: Dane GUS, prognozy Citi Handlowy.

# Perspektywa zmian stóp procentowych NBP

## Reguła Taylora i stopy procentowe w Polsce



## Ścieżka stóp procentowych implikowana przez krzywą FRA



Źródło: NBP, GUS, szacunki Citi Handlowy.

- Reguła Taylora sugeruje stopę referencyjną na poziomie około 4% pod koniec 2010 roku
- Rynek FRA oczekuje wzrostu stóp procentowych o 50pb w 2010 r., w tym pierwszej podwyżki w sierpniu

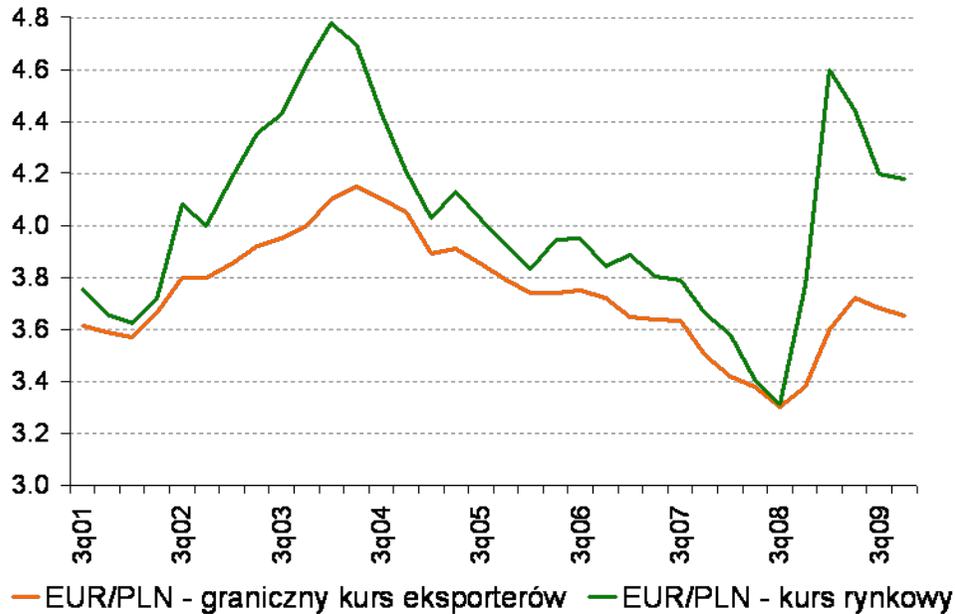
Rynki finansowe

---

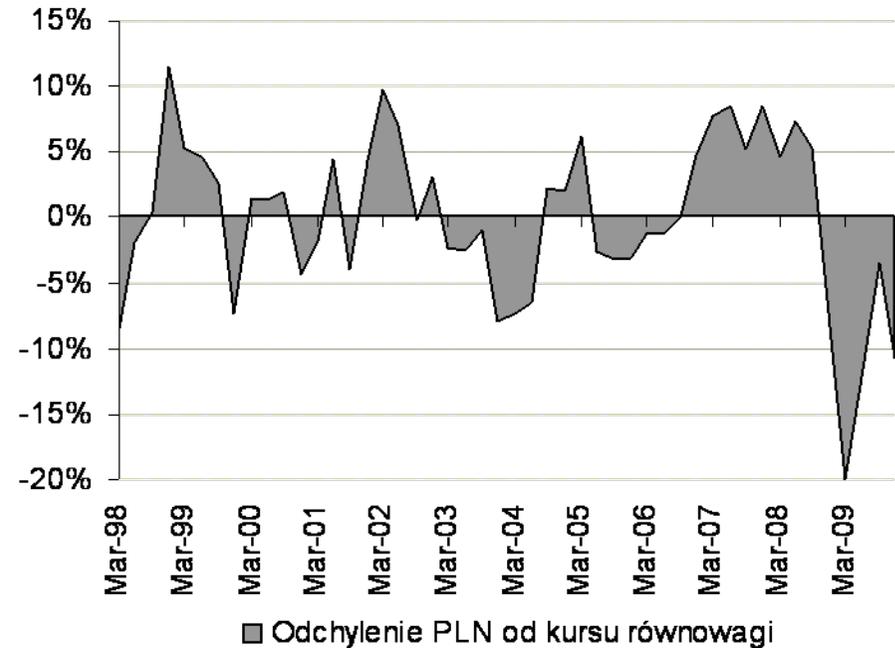


# PLN – Niedowartościowany z punktu widzenia eksporterów?

## Kurs progowy zapewniający opłacalność eksportu



## Odchylenie od kursu równowagi



Źródło: Ankieta NBP, szacunki Citi Handlowy w oparciu o behawioralny model kursu równowagi.

- Obecny kurs EUR/PLN utrzymuje się powyżej poziomów zapewniających opłacalność sektorowi eksportowemu (3,65 EUR/PLN według ankiety NBP)
- Dalsze dynamiczne umocnienie złotego mogłoby zagrozić eksportowi

# Problematyczne kryteria z Maastricht

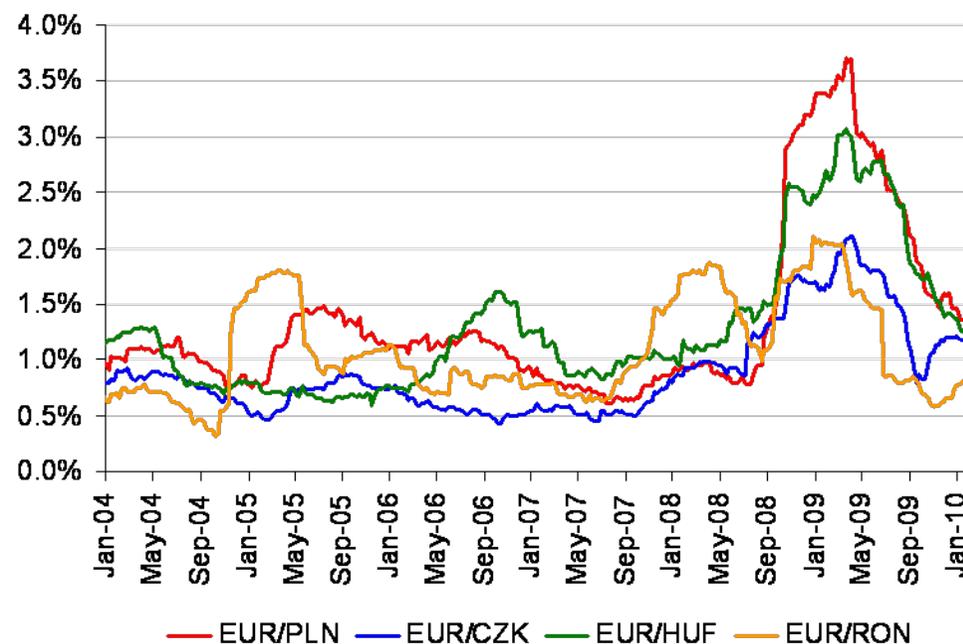
## Stopień wypełnienia kryteriów z Maastricht

|                  | Inflacja   | Stopy procentowe | Deficyt fiskalny (% PKB) | Dług publiczny (% PKB) |
|------------------|------------|------------------|--------------------------|------------------------|
| Bułgaria         | 2.1        | 7.2              | -1.2                     | 16.2                   |
| Czechy           | 0.5        | 4.8              | -5.5                     | 40.6                   |
| Węgry            | 4.3        | 9.0              | -4.2                     | 79.8                   |
| <b>Polska</b>    | <b>4.0</b> | <b>6.2</b>       | <b>-7.5</b>              | <b>57.0</b>            |
| Rumunia          | 5.4        | 9.7              | -6.8                     | 27.4                   |
| <b>Kryterium</b> | <b>1.7</b> | <b>5.7</b>       | <b>-3.0</b>              | <b>60.0</b>            |

Źródło: Citi Handlowy, Reuters, Eurostat.

- Polska nie wypełnia żadnego z kryteriów z Maastricht
- Obniżenie deficytu fiskalnego poniżej 3% PKB możliwe dopiero około 2013-2014 roku
- Oczekujemy, że Polska może przyjąć wspólną walutę dopiero w 2016-2017 r.
- Pomimo wydarzeń w Grecji, większość krajów Europy Środkowej wciąż dąży do przyjęcia euro

## Zmienność na rynku walutowym



---

*Chociaż fakty przedstawione w niniejszej publikacji pochodzą i bazują na źródłach, w których wiarygodność wierzymy, nie gwarantujemy ich poprawności. Mogą one być ponadto niekompletne albo skrócone. Wszystkie opinie i prognozy wyrażone w niniejszej publikacji są wyrazem naszej oceny w dniu ich publikacji i mogą ulec zmianie bez zapowiedzi. Niniejszy dokument jest jedynie materiałem informacyjnym do użytku odbiorcy. Nie może on być powielany lub w inny sposób rozpowszechniany w części lub w całości. Pod żadnym pozorem, nie może być uznany za ofertę sprzedaży lub kupna ani propozycję dokonania jakiejkolwiek inwestycji. Bank Handlowy w Warszawie SA (lub inny podmiot zależny od Citigroup Inc. lub jego dyrektorzy, specjaliści lub pracownicy) od czasu do czasu może być zaangażowany w lub może dokonywać inwestycji zarówno kupna jak i sprzedaży instrumentów opisanych w niniejszym dokumencie.*

---

## Appendix A-1

### 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.

### IMPORTANT DISCLOSURES

Analysts' compensation is determined based upon activities and services intended to benefit the investor clients of Citigroup Global Markets Inc. and its affiliates ("the Firm"). Like all Firm employees, analysts receive compensation that is impacted by overall firm profitability, which includes revenues from, among other business units, the Private Client Division, Institutional Sales and Trading, and Investment Banking.

For important disclosures (including copies of historical disclosures) regarding the companies that are the subject of this Citi Investment Research & Analysis product ("the Product"), please contact Citi Investment Research & Analysis, 388 Greenwich Street, 29th Floor, New York, NY, 10013, Attention: Legal/Compliance. In addition, the same important disclosures, with the exception of the Valuation and Risk assessments and historical disclosures, are contained on the Firm's disclosure website at [www.citigroupgeo.com](http://www.citigroupgeo.com). Private Client Division clients should refer to [www.smithbarney.com/research](http://www.smithbarney.com/research). Valuation and Risk assessments can be found in the text of the most recent research note/report regarding the subject company. Historical disclosures (for up to the past three years) will be provided upon request.

### OTHER DISCLOSURES

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

Securities recommended, offered, or sold by the Firm: (i) are not insured by the Federal Deposit Insurance Corporation; (ii) are not deposits or other obligations of any insured depository institution (including Citibank); and (iii) 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. Note, however, that the Firm has taken all reasonable steps to determine the accuracy and completeness of the disclosures made in the Important Disclosures section of the Product. The Firm's research department has received assistance from the subject company(ies) referred to in this Product including, but not limited to, discussions with management of the subject company(ies). Firm policy prohibits research analysts from sending draft research to subject companies. However, it should be presumed that the author of the Product has had discussions with the subject company to ensure factual accuracy prior to publication. 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. Notwithstanding other departments within the Firm advising the companies discussed in this Product, information obtained in such role is not used in the preparation of the Product. Although Citi Investment Research does not set a predetermined frequency for publication, if the Product is a fundamental research report, it is the intention of Citi Investment Research to provide research coverage of the/those issuer(s) mentioned therein, including in response to news affecting this issuer, subject to applicable quiet periods and capacity constraints. The Product is for informational purposes only and is not intended as an offer or solicitation for the purchase or sale of a security. Any decision to purchase securities mentioned in the Product must take into account existing public information on such security or any registered prospectus.

Investing in non-U.S. securities, including ADRs, may entail certain risks. The securities of non-U.S. issuers may not be registered with, nor be subject to the reporting requirements of the U.S. Securities and Exchange Commission. There may be limited information available on foreign securities. Foreign companies are generally not subject to uniform audit and reporting standards, practices and requirements comparable to those in the U.S. Securities of some foreign companies may be less liquid and their prices more volatile than securities of comparable U.S. companies. In addition, exchange rate movements may have an adverse effect on the value of an investment in a foreign stock and its corresponding dividend payment for U.S. investors. Net dividends to ADR investors are estimated, using withholding tax rates conventions, deemed accurate, but investors are urged to consult their tax advisor for exact dividend computations. Investors who have received the Product from the Firm may be prohibited in certain states or other jurisdictions from purchasing securities mentioned in the Product from the Firm. Please ask your Financial Consultant for additional details. Citigroup Global Markets Inc. takes responsibility for the Product in the United States. Any orders by US investors resulting from the information contained in the Product may be placed only through Citigroup Global Markets Inc.

The Citigroup legal entity that takes responsibility for the production of the Product is the legal entity which the first named author is employed by. The 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. 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. If the Product 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. The Product is made available in France by Citigroup Global Markets Limited, which is authorised and regulated by Financial Services Authority. 1-5 Rue Paul Cézanne, 8ème, Paris, France. The Product may not be distributed to private clients in Germany. The Product is distributed in Germany by Citigroup Global Markets Deutschland AG & Co. KGaA, which is regulated by Bundesanstalt fuer Finanzdienstleistungsaufsicht (BaFin). Frankfurt am Main, Reuterweg 16, 60323 Frankfurt am Main. If the Product 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 Hong Kong Securities and Futures Commission. If the Product is made available in Hong Kong by The Citigroup Private Bank to its clients, it is attributable to Citibank N.A., Citibank Tower, Citibank Plaza, 3 Garden Road, Hong Kong. The Citigroup Private Bank and Citibank N.A. is regulated by the Hong Kong Monetary Authority. 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. 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. The Product is made available in Italy by Citigroup Global Markets Limited, which is authorised and regulated by Financial Services Authority. Foro Buonaparte 16, Milan, 20121, Italy. If the Product was prepared by Citi Investment Research and distributed in Japan by Nikko Citigroup Limited ("NCL"), it is being so distributed under license. If the Product was prepared by NCL and distributed by Nikko Cordial Securities Inc. or Citigroup Global Markets Inc. it is being so distributed 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. In the event that an error is found in an NCL research report, a revised version will be posted on Citi Investment Research's Global Equities Online (GEO) website. If you have questions regarding GEO, please call (81 3) 6270-3019 for help. The Product is made available in Korea by Citigroup Global Markets Korea Securities Ltd., which is regulated by Financial Supervisory Commission and the Financial Supervisory Service. Hungkuk Life Insurance Building, 226 Shinmunno 1-GA, Jongno-Gu, Seoul, 110-061. The Product is made available in Malaysia by Citigroup Global Markets Malaysia Sdn Bhd, which is regulated by Malaysia Securities Commission. Menara Citibank, 165 Jalan Ampang, Kuala Lumpur, 50450. The Product is made available in Mexico by Acciones y Valores Banamex, S.A. De C. V., Casa de Bolsa, Integrante del Grupo Financiero Banamex ("Accival") which is a wholly owned subsidiary of Citigroup Inc. and is regulated by Comisión Nacional Bancaria y de Valores. Reforma 398, Col. Juárez, 06600 Mexico, D.F. 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. The Product is made available in Pakistan by Citibank N.A. Pakistan branch, which is regulated by the State Bank of Pakistan and Securities Exchange Commission, Pakistan. AWT Plaza, 1.1. Chundrigar Road, P.O. Box 4889, Karachi-74200. The Product is made available in Poland by Dom Maklerski Banku Handlowego SA an indirect subsidiary of Citigroup Inc., which is regulated by Komisja Nadzoru Finansowego. Bank Handlowy w Warszawie S.A. ul. Senatorska 16, 00-923 Warszawa. 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 Gashka Street, 125047 Moscow. The Product is made available in Singapore through Citigroup Global Markets Singapore Pte. Ltd., a Capital Markets Services Licence holder, and regulated by Monetary Authority of Singapore. 1 Temasek Avenue, #39-02 Millenia Tower, Singapore 039192. The Product is made available by The Citigroup Private Bank in Singapore through Citibank, N.A., Singapore branch, a licensed bank in Singapore that is regulated by Monetary Authority of Singapore. 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 JSE Securities Exchange South Africa, South African Reserve Bank and the Financial Services Board. The investments and services contained herein are not available to private customers in South Africa. The Product is made available in Spain by Citigroup Global Markets Limited, which is authorised and regulated by Financial Services Authority. 29 Jose Ortega Y Gasset, 4th Floor, Madrid, 28006, Spain. The Product is made available in Taiwan through Citigroup Global Markets Taiwan Securities Company Ltd., which is regulated by Securities & Futures Bureau. No portion of the report may be reproduced or quoted in Taiwan by the press or any other person. No. 8 Manhattan Building, Hsin Yi Road, Section 5, Taipei 100, Taiwan. The Product is made available in Thailand through Citicorp Securities (Thailand) Ltd., which is regulated by the Securities and Exchange Commission of Thailand. 18/F, 22/F and 29/F, 82 North Sathorn Road, Silom, Bangkok, Bangkok 10500, Thailand. The Product is made available in Turkey through Citibank AS which is regulated by Capital Markets Board. Tekfen Tower, Eski Buyukdere Caddesi # 209 Kat 2B, 23294 Levent, Istanbul, Turkey. In the U.A.E, these materials (the "Materials") are communicated by Citigroup Global Markets Limited, DIFC branch ("CGML"), an entity registered in the Dubai International Financial Center ("DIFC") and licensed and regulated by the Dubai Financial Services Authority ("DFSA") to Professional Clients and Market Counterparties only and should not be relied upon or distributed to Retail Clients. A distribution of the different CIRA ratings distribution, in percentage terms for Investments in each sector covered is made available on request. Financial products and/or services to which the Materials relate will only be made available to Professional Clients and Market Counterparties. The Product is made available in United Kingdom by Citigroup Global Markets Limited, which is authorised and regulated by Financial Services Authority. This material may relate to investments or services of a person outside of the UK or to other matters which are not regulated by the FSA and further details as to where this may be the case are available upon request in respect of this material. Citigroup Centre, Canada Square, Canary Wharf, London, E14 5LB. The Product is made available in United States by Citigroup Global Markets Inc, which is regulated by NASD, NYSE and the US Securities and Exchange Commission. 388 Greenwich Street, New York, NY 10013. Unless specified to the contrary, within EU Member States, the Product is made available by Citigroup Global Markets Limited, which is regulated by Financial Services Authority. Many European regulators require that a firm must establish, implement and make available a policy for managing conflicts of interest arising as a result of publication or distribution of investment research. The policy applicable to Citi Investment Research's Products can be found at [www.citigroupgeo.com](http://www.citigroupgeo.com). Compensation of equity research analysts is determined by equity research management and Citigroup's senior management and is not linked to specific transactions or recommendations. The Product may have been distributed simultaneously, in multiple formats, to the Firm's worldwide institutional and retail customers. The Product is not to be construed as providing investment services in any jurisdiction where the provision of such services would not be permitted. Subject to the nature and contents of the Product, the investments described therein are subject to fluctuations in price and/or value and investors may get back less than originally invested. Certain high-volatility investments can be subject to sudden and large falls in value that could equal or exceed the amount invested. Certain investments contained in the Product may have tax implications for private customers whereby levels and basis of taxation may be subject to change. In doubt, investors should seek advice from a tax adviser. The Product does not purport to identify the nature of the specific market or other risks associated with a particular transaction. Advice in the Product is general and should not be construed as personal advice given it has been prepared without taking account of the objectives, financial situation or needs of any particular investor. Accordingly, investors should, before acting on the advice, consider the appropriateness of the advice, having regard to their objectives, financial situation and needs. Prior to acquiring any financial product, it is the client's responsibility to obtain the relevant offer document for the product and consider it before making a decision as to whether to purchase the product.

© 2009 Citigroup Global Markets Inc. (© Nikko Citigroup Limited, if this Product was prepared by it). Citi Investment Research is a division and service mark of Citigroup Global Markets Inc. and its affiliates and is used and registered throughout the world. Citi and Citi with Arc Design are trademarks and service marks of Citigroup Inc and its affiliates and are used and registered throughout the world. Nikko is a registered trademark of Nikko Cordial Corporation. All rights reserved. Any unauthorized use, duplication, redistribution or disclosure is prohibited by law and will result in prosecution. Where included in this report, MSCI sourced information is the exclusive property of Morgan Stanley Capital International Inc. (MSCI). Without prior written permission of MSCI, this information and any other MSCI intellectual property may not be reproduced, disseminated or used to create any financial products, including any indices. This information is provided on an "as is" basis. The user assumes the entire risk of any use made of this information. MSCI, its affiliates and any third party involved in, or related to, computing or compiling the information hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any of this information. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any third party involved in, or related to, computing or compiling the information have any liability for any damages of any kind. MSCI, Morgan Stanley Capital International and the MSCI indexes are services marks of MSCI and its affiliates. The information contained in the Product is intended solely for the recipient and may not be further distributed by the recipient. The Firm accepts no liability whatsoever for the actions of third parties. The Product may provide the addresses of, or contain hyperlinks to, websites. Except to the extent to which the Product refers to website material of the Firm, the Firm has not reviewed the linked site. Equally, except to the extent to which the Product refers to website material of the Firm, the Firm takes no responsibility for, and makes no representations or warranties whatsoever as to, the data and information contained therein. Such address or hyperlink (including addresses or hyperlinks to website material of the Firm) is provided solely for your convenience and information and the content of the linked site does not in anyway form part of this document. Accessing such website or following such link through the Product or the website of the Firm shall be at your own risk and the Firm shall have no liability arising out of, or in connection with, any such referenced website.

ADDITIONAL INFORMATION IS AVAILABLE UPON REQUEST



---

Although the statements of facts in this report have been obtained from and are based upon sources that we believe to be reliable, we do not guarantee their accuracy, and any such information may be incomplete or condensed. All opinions and estimates included in this report constitute our judgment as of the date of this report and are subject to change without notice. This document is for information only and use of recipient. It is not to be reproduced or copied or made available to others. Under no circumstances it is to be considered as an offer to buy or sell or a solicitation to make any investment. Bank Handlowy w Warszawie S.A. (or any other company in which Citigroup Inc. has a direct interest or its officers, directors or employees) may from time to time have positions or options in, or buy or sell, investments referred to here in.

[www.citihandlowy.pl](http://www.citihandlowy.pl)

Bank Handlowy w Warszawie S.A.

Citi Handlowy jest zastrzeżonym znakiem towarowym należącym do podmiotów z grupy Citigroup Inc.

Niniejszy materiał został wydany jedynie w celach informacyjnych i nie stanowi oferty w rozumieniu art. 66 Kodeksu Cywilnego.

Bank Handlowy w Warszawie S.A. z siedzibą w Warszawie, ul. Senatorska 16, 00-923 Warszawa, zarejestrowany w rejestrze przedsiębiorców Krajowego Rejestru Sądowego przez Sąd Rejonowy dla m.st. Warszawy w Warszawie, XII Wydział Gospodarczy Krajowego Rejestru Sądowego, pod nr. KRS 000 000 1538; NIP 526-030-02-91; wysokość kapitału zakładowego wynosi 522.638.400 złotych, kapitał został w pełni opłacony.