

# Marco E. Terrones

*Department of Economics and Finance*

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## EDUCATION:

- 1989 Ph.D. in Economics, University of Wisconsin, Madison.
- 1986 M.S. in Economics, University of Wisconsin, Madison.
- 1983 B.A. in Economics, Universidad Católica, Lima, Perú.

## RESEARCH INTEREST:

Macro-financial linkages; business and financial cycles; and the macroeconomic effects of trade and financial globalization.

## PROFESSIONAL EXPERIENCE:

- 2017 - Full Professor, Department of Economics, Universidad del Pacífico, Perú.
- 2020 - Advisor in the Institute for Capacity Development, IMF. Consultant for the courses on Monetary Policy and Exchange Rate Policy.
- 2009- 2017 Deputy Division Chief and Assistant to the Director. World Economic Studies Division and Front Office Research Department, IMF
- 2001-2008 Senior Economist. Financial Studies Division and World Economic Studies Division. Research Department, IMF.
- 1994-2000 Senior Economist and Economist. Principal Economist for Colombia and Nicaragua, countries with IMF-supported programs. Western Hemisphere Department, IMF.
- 1991-1994 Principal Researcher, Group of Analysis for Economic Development (GRADE), Peru.
- 1993 Consultant, Andean Community of Nations.
- 1992-1993 Central Bank of Peru. Professor, University Extension Program in Economics.
- 1990-1991 Assistant Professor, Department of Economics, Vanderbilt University.
- 1988-1990 Post Doctoral Fellow/Assistant Professor, Department of Economics, University of Western Ontario.
- 1985-1987 Teaching Assistant, Department of Economics, University of Wisconsin-Madison. Ph.D. program Macroeconomic course and other courses.
- 1981-1983 Teaching Assistant, Universidad Católica, Lima, Perú.

## RECENT PUBLICATIONS

### 1. *Book.*

**Collapse and Revival: Understanding Global Recessions and Recoveries** (with A. Kose). 2015. International Monetary Fund.

### 2. *Recent Articles.*

- *Do Fixers Perform Worse than Non-Fixers During Global Recessions and Recoveries?* 2020. ***Journal of International Money and Finance***. Vol. 104,
- *Does Financial Sector Development Affect the Growth Gains from Trade Openness?* (with N.R. Ramirez Rondan and A. Vilchez). 2020. ***Review of World Economics***.
- *What Happens During Global Recessions?* (with A. Kose and N. Sugawara). 2019. Published in A. Kose and F. Onshorge (eds.) *A Decade After the Global Recession: Lessons and Challenges for Emerging and Developing Economies*. International Bank for Reconstruction and Development/World Bank.
- *Do Asset Price Drops Foreshadow Recessions?* (with J. Bluedorn and J. Decressin). 2016. ***International Journal of Forecasting***. Vol. 32, Issue 2, Pp. 518-526 (Also IMF Working Paper No. 13/203).
- *Financial De-Dollarization: A Global Perspective and the Peruvian Experience* (with L. Cãtao). 2016. Published in G. Yamada and D. Winkelried (eds.), *Política y Estabilidad Monetaria en el Perú*, Fondo Editorial de la Universidad del Pacifico. (Also IMF Working Paper No. 16/97).
- *An Anatomy of Credit Booms and their Demise* (with E. Mendoza). Published in M. Fuentes, M., C. Raddatz, and C. Reinhart (eds.), *Capital Mobility and Monetary Policy*. 2014. Central Bank of Chile, Volume 18.
- *From Recession to Recovery: How Soon and How Strong?* (with P. Kannan and A. Scott). 2014. Published in S. Claessens, A. Kose, L. Laeven and F. Valencia (eds.) "Financial Crises: Causes, Consequences, and Policy Responses," International Monetary Fund.
- *From the Global to the National Cycle: An Intricate Liaison* (with A. Kose and P. Loungani). 2013. ***Pacific Economic Review***. Vol. 18:3, pp. 370-402.
- *Global House Price Fluctuations: Synchronization and Determinants* (with H. Hirata, A. Kose, and C. Otrok). 2013. Published in Giavazzi, F. and K. West (eds.) NBER International Seminar on Macroeconomics 2012.
- *On the Solvency of Nations: Cross-Country Evidence on the Dynamics of External Adjustment* (with B. Durdu and E. Mendoza). 2012. ***Journal of International Money and Finance***. Vol. 32, pp. 762-80.
- *How do Business and Financial Cycles Interact?* (with S. Claessens and A. Kose). ***Journal of International Economics***. 2012. Vol. 87. Pp. 178-190.
- *Financial Cycles: What? How? When?* (with S. Claessens and A. Kose). 2011. Published in Clarida, R. and Giavazzi, F. (eds.), NBER International Seminar on Macroeconomics 2010. Pp. 345-350.

- *Globalization, the Business Cycle, and Macroeconomic Monitoring* (with B. Aruoba, F. Diebold, and A. Kose). 2011. Published in Clarida, R. and Giavazzi, F. (eds.), NBER International Seminar on Macroeconomics 2010. Pp. 245-286.
- *Recessions and Financial Disruptions in Emerging Markets: A Bird's Eye View* (with S. Claessens and A. Kose). 2011. Published in Céspedes, L., Chang, R., and Saravia, D. (eds.), *Monetary Policy Under Financial Turbulence*. (This paper has been published in Spanish in *Revista Economía Chilena*, Volumen 13, No 2, under the title *Recesiones y Alteraciones Financieras en Mercados Emergentes: Una Visión Panorámica*).
- *The Global Financial Crisis: How Similar? How Different? How Costly?* (with S. Claessens and A. Kose). 2010. ***Journal of Asian Economics***, Vol. 21, pp.247-264. (Reprinted in S. Claessens, A. Kose, L. Laeven, and F. Valencia (eds.) "Financial Crises: Causes, Consequences, and Policy Responses," 2013. IMF).
- *What Happens During Recessions, Crunches, and Busts?* (with S. Claessens and A. Kose). October 2009. ***Economic Policy***, Vol. 24, Issue 60, pp. 655-700.
- *Reaping the Benefits of Financial Globalization*, (with G. Dell'Ariccia, J. di Giovanni, A. Faria, A. Kose, P. Mauro, and J. Ostry). 2010. Published in C. Crowe, S. Johnson, J. Ostry, and J. Zettelmeyer eds. "Macro-Financial Linkages." International Monetary Fund.
- *Exchange Rate Regimes and External Adjustment: New Answers to an Old Debate*, (with A. Ghosh and J. Zettelmeyer). 2010. Published in C. Wyplosz ed. "The New International Monetary System: Essays in Honor of Alexander Swoboda." Routledge International Studies in Money and Banking.
- *Precautionary Demand of Foreign Assets in Sudden Stop Economies: An Assessment of the New Mercantilism* (with B. Durdu and E. Mendoza). 2009. ***Journal of Development Economics***, Vol. 89, Issue 2, pp. 194-209. (This paper has also been published in the papers and proceedings of the II International Conference of the FLAR)
- *How Does Globalization Affect Risk-Sharing? Patterns and Channels*, (with A. Kose and E. Prasad). 2009. ***Journal of Development Economics***, Vol. 89, Issue 2, pp. 258-270.
- *Does Openness to International Financial Flows Contribute to Productivity Growth?* (with A. Kose and E. Prasad). 2009. ***Journal of International Money and Finance***, Vol. 28, Issue 4, Pages 549-738. (Lead Article).
- "Financial Stress and Economic Activity" (with S. Claessens and A. Kose) ***BRSA Journal of Banking and Financial Markets***, vol:2, no: 2, 11-24, 2008. (Lead Article).
- *How Do Trade and Financial Integration Affect the Relationship Between Growth and Volatility?* (with A. Kose and E. Prasad). 2006. (IMF Working Paper 05/19). ***Journal of International Economics***, Vol. 69 pp. 176-202.
- *Fiscal Deficits and Inflation* (with L. Cãtao). 2005. ***Journal of Monetary Economics***, Vol. 52, pp.529-54. (This paper has been covered in the media and front page of the IMF Survey under the title "Revisiting the Fiscal Deficit-Inflation Puzzle," Vol. 32, Number 10).
- *Growth and Volatility in an Era of Globalization* (with A. Kose and E. Prasad). 2005. ***IMF Staff Papers***, Volume 52.
- *Volatility and Comovement in a Globalized World Economy: An Exploration* (with A. Kose and E. Prasad). 2004. Published in H. Siebert ed., *Macroeconomic Policies in the World Economy*, Springer-Verlag.

- *How Does Globalization Affect the Synchronization of Business Cycles?* (with A. Kose and E. Prasad). 2003. *American Economic Review*. P&P, Pp. 57-62. (This paper has been translated to French and published in Problèmes économiques No 2.831 under the title La Mondialisation Synchronise-t-elle les Cycles Reels?)
- *Financial Integration and Macroeconomic Volatility* (with A. Kose and E. Prasad). 2003. *IMF Staff Papers*, Vol. 50. Pp. 119-142.

### 3. *World Economic Outlook.*

#### 3.1. *Chapters*

- *Are Global Imbalances at a Turning Point?* (with A. Aslam, S. Beidas-Strom, and J. Yopez). October 2014. *World Economic Outlook*, IMF. (This chapter was featured in the media worldwide, including citations by the Financial Times and WSJ).
- *Getting the Balance Right: Transitioning out of Sustained Current Account Surpluses* (with A. Abiad and D. Leigh). April 2010. *World Economic Outlook*, IMF. (This chapter was featured in the media worldwide, including a survey by the Economist and WSJ).
- *From Recession to Recovery: How Soon and How Strong?* (with P. Kannan and A. Scott). April 2009. *World Economic Outlook*, IMF. (This chapter was featured in the media worldwide, including citations by the Economist, Financial Times, and WSJ. The main results were also highlighted in a speech by the Managing Director and G7 and G20 notes).
- *Global Imbalances: A Saving and Investment Perspective* (with R. Cardarelli). September 2005. *World Economic Outlook*, IMF. (This chapter was featured in the media worldwide, including extensive citation by the Economist. In addition, the main results were highlighted in several speeches by both the Managing Director and the Director of the Research Department).
- *The Global House Price Boom*. September 2004. *World Economic Outlook*, IMF. (This essay was widely featured in the media worldwide, including several pieces in the FT, NYT, WSJ, BBC, Oxford Analytica, and Economist. The Journal of Economic Perspectives, December 2004, recommended this essay as further reading).
- *Are Credit Booms in Emerging Markets a Concern?* May 2004. *World Economic Outlook*, IMF. (This chapter was reported in Oxford Analytica, FRBSF letter, and other media).
- *Public Debt in Emerging Markets* (with T. Callen, X. Debrun, and J. Daniel). September 2003. *World Economic Outlook*, IMF. (This chapter was a background document for the 2003 Manila Framework Group (MFG) meeting in Seoul and has been reported in the Economist, Oxford Analytica, New York Times, IMF Survey, and other media).
- *Real and Financial Effects of Bursting Asset Price Bubbles* (with T. Helbling). April 2003. *World Economic Outlook*, IMF. (This essay has been widely reported in the media, including FT. The Economist, June 16, 2005, called this paper "one of the best international studies in the area")
- *How Worrisome are External Imbalances?* (with T. Bayoumi). October 2002. *World Economic Outlook*, IMF. (This essay has been widely reported in the media, including FT).
- *Monetary Policy in a Low Inflation Era* (with S. Sgherri). May 2002. *World Economic Outlook*, IMF. (This essay has been widely reported in the media).
- *How do Fluctuations in the G-7 Countries Affect Developing Countries?* October 2001. *World Economic Outlook*, IMF. (This essay has been widely reported in the media).
- *The Decline of Inflation in Emerging Markets: Can it be Maintained?* May 2001 (with L. C  tao and M. Hacker). *World Economic Outlook*, IMF. (This essay has been widely reported in the media).

### **3.2. Boxes.**

- *The Great Divergence of Policies* (with A. Kose and P. Loungani). Box 1.1. April 2013 WEO.
- *How Does Uncertainty Affect Economic Performance?* (with A. Kose). Box 1.3. October 2012 WEO.
- *The Global Recovery: Where Do We Stand?* (with A. Kose and P. Loungani). Box 1.2. April 2012 WEO.
- *Credit Boom-Bust Cycles: Their Triggers and Policy Implications* (with J. Decressin). Box 1.2. September 2011 WEO.
- *Are Equity Price Drops Harbingers of Recessions?* (with J. Bluedorn and J. Decressin). Box 1.3. September 2011 WEO.
- *House Price Busts in Advanced Economies: Repercussions for Global Financial Markets*. Box 1.1. April 2011 WEO.
- *From Deficit to Surplus: Recent Shifts in Global Current Accounts*. (with T. Helbling). Box 1.5. October 2009 WEO.
- *Global Business Cycles*. (with A. Kose and P. Loungani). Box 1.1. April 2009 WEO.
- *The Impact of Recent Housing Market Adjustments in the Industrial Countries*. (with T. Callen). Box 1.2. April 2006.
- *Is Investment in Asia Too Low?* (with R. Cardarelli). Box 2.4. September 2005.
- *How Does Instability Stifle Sub-Saharan African Growth?* (with A. Kose). Box 1.5. April 2005.
- *What Explains the Recent Run Up in Housing Prices?* Box 2.1. September 2004 WEO.
- *How Have External Deficits Adjusted in the Past?* Box 2.2. September 2002 WEO.
- *Is There a Relationship Between Deficits and Inflation?* Box 4.2. April 2001 WEO.

### **4. Recent Non-technical Articles.**

- *Dollar Dependence* (with L. Cătao). *Finance and Development*. IMF, 2016. Vol. 53 Number 3.
- *Global Imbalances: Whither Now?* (with A. Aslam, S. Beidas-Strom, J. Yopez). VoxEU October 2014.
- *Harbingers of Recession*. (with J. Bluedorn and J. Decressin). *Finance and Development*. IMF, 2014. Volume 51, Number 1.
- *Held Back by Uncertainty*, (with N. Bloom and A. Kose). *Finance and Development*. IMF, 2013. Volume 50, Number 1.
- *Synchronization of Housing Markets: How? What?* (with H. Hirata, A. Kose, and C. Otrok). VoxLACEA April 2013.
- *Seven Questions on Turning Points of the Global Business Cycle*, (with A. Kose and P. Loungani). IMF Research Bulletin. 2012. Volume 13, Number 4.

- *Tracking the Global Recovery*, (with A. Kose and P. Loungani). Finance and Development. IMF. 2012. Volume 49, Number 2.
- *Do Equity Price Drops Foreshadow Recessions?*, (with J. Bluedorn and Jorg Decressin). VoxEU September 2011. Editor's choice.
- *Understanding Financial Cycles*, (with S. Claessens and A. Kose). VoxEU July 2011.
- *Gyrations in Financial Markets*, (with S. Claessens and A. Kose). *Finance and Development*. IMF. 2011 Volume 48, Number 2.
- *What are the Costs of Reducing a Large Current-Account Surplus?*, (with A. Abiad and D. Leigh). VoxEU April 2010.
- *Out of the Ballpark*, (with A. Kose and P. Loungani). *Finance and Development*. IMF. 2009. Volume 46, Number 2.
- *Creditless Recoveries: What do We Know?* (with S. Claessens and A. Kose). VoxEU May 2009.
- *From Recession to Recovery: A Long and Hard Road*, (with P. Kannan and A. Scott). VoxEU May 2009.
- *The Global Financial Crisis: Foreword*, (with S. Claessens and A. Kose). The Euromoney Emerging Markets Handbook 2009/10. 2009.
- *Financial Globalization and Productivity Growth*, (with A. Kose and E. Prasad). VoxEU January 2009.
- *When Crises Collide*, (with S. Claessens and A. Kose). 2008. *Finance and Development*, IMF. Volume 45, Number 4.
- *Five Decades of Evidence on Financial Crisis and Recessions: How Long? How Deep?* VoxEU October 2009. Ranked among the top five most popular articles in VoxEU.
- *What Do We Know About Credit Booms?* 2007. IMF Research Bulletin, Vol. 8, Number 2.
- *Housing Prices and Macroeconomics*. 2005. IMF Research Bulletin, Vol. 6, No.4.
- *Taking the Plunge Without Getting Hurt*, (with A. Kose and E. Prasad). 2004. *Finance and Development*, IMF. Volume 41, Number 4.

##### **5. Recent Unpublished Working Papers.**

- *Equalizing Growth: The Case of Peru* (with N.R. Ramirez-Rondan and D. Winkelried). 2020. MPRA Paper No. 104691.
- *Global Recessions* (with A. Kose and N. Sugawara). 2020. World Bank. CAMA Working Paper No. 10/2020.
- *Uncertainty and the Uncovered Interest Parity Condition: How Are They Related?* (with N.R. Ramirez), 2019. Universidad del Pacifico. MPRA Paper No. 97524.
- *Recessions and Financial Disruptions in Emerging Markets: A Bird's Eye View* (with S. Claessens and A. Kose). 2010. Working Paper Central Bank of Chile 585.
- *An Anatomy of Credit Booms: Evidence from Macroeconomic Aggregates and Firm Level Data* (with E. Mendoza). 2008. NBER Working Paper 14049. (Cambridge, Massachusetts: National Bureau of Economic Research).
- *Global House Price Fluctuations*. (with Chris Otrok). 2008. Mimeo.

- *Asset Price Booms and Busts—Stylized Facts from the Last Three Decades of the 20<sup>th</sup> Century*. (with T. Helbling). 2003. Presented at the European Central Bank workshop “Asset Prices and Monetary Policy,” Frankfurt, December 11-12.
- *Fiscal Deficits and Inflation: A New Look at the Emerging Market Evidence* (with L. Cãtao). 2001. IMF Working Paper, WP/01/74.
- *Determinants of Dollarization: The Banking Side* (with L. Cãtao). 2000. IMF Working Paper, WP/00/146.

#### **REFEREE AND EDITORIAL ACTIVITIES:**

Referee: American Economic Review, Review of Economic Studies, International Economic Review, Journal of Public Economics, Journal of Money Credit and Banking, Journal of International Economics, Journal of Monetary Economics, Journal of Applied Econometrics, Journal of International Money and Finance, Public Choice, Oxford Economic Papers, Journal of Development Economics, International Review of Economics and Finance, and Revista Estudios Económicos of Mexico.

Editor: Foreign Editor of Revista Apuntes of the Pacific University of Peru (2011-17) and of Revista Estudios Económicos of the Colegio of Mexico (1992-94).

#### **CITATIONS:**

- RePEc/Ideas.
  - Top 5% cited author as of September 2021 according to 25 criteria (including average rank score, number of citations, h-index, Euclidean citation score, and Wu-index).
  - 1<sup>st</sup> most cited economist in Peru and 5<sup>th</sup> most cited economist in Latin America and the Caribbean as of November 2021.
- Google Scholar. Over 10,800 citations and h-index of 39 as of December 2021.

#### **RECENT CONFERENCE PARTICIPATION AND INVITED SEMINARS:**

Hitos de la Reforma Macroeconomica en el Peru. 1990-2020. Universidad del Pacifico, Peru. November 2021.

24<sup>th</sup> Annual LACEA Meeting. Benemérita Universidad Autónoma de Puebla, Puebla, Mexico. November 2019.

Workshop on Estimating and Interpreting Financial Cycles. De Nederlandsche Bank.

Amsterdam, Holland. September 2016.  
20<sup>th</sup> Annual LACEA Meeting. Private University of Santa Cruz, Santa Cruz, Bolivia.  
October 2015.  
The Center for Economic Research – Forecasting. George Washington University,  
Washington, D.C., October 2014.  
Society for Economics Dynamics 2013 Annual Meeting. Yonsei University. Seoul, South  
Korea. June 2013.  
3<sup>rd</sup> VALE-EPGE Global Economic Conference—Business Cycles. The Graduate School of  
Economics of Getulio Vargas Foundation. Rio de Janeiro, Brazil. May 2013.  
17<sup>th</sup> Annual LACEA Meeting. Universidad del Pacifico, Lima, Peru. Invited Session, Banco  
de España. November 2012.  
35<sup>th</sup> NBER International Seminar on Macroeconomics. Oslo, Norway. June 2012.  
32<sup>nd</sup> Annual Symposium on Forecasting. Boston, Massachusetts. June 2012.  
24<sup>th</sup> Symposium of Capital Markets. Asobancaria. Main speaker. Medellin, Colombia.  
May 2012.  
2011 ASSA Meetings. Denver Colorado. January 2011.  
16<sup>th</sup> Annual LACEA Meeting. Universidad Adolfo Ibañez. Santiago Chile. November 2011.  
15<sup>th</sup> Annual Conference of the Central Bank of Chile. Santiago, Chile. November 2011.  
33<sup>th</sup> NBER International Seminar on Macroeconomics. Amsterdam, Netherlands. June 2010.  
Global Dimensions of the Financial Crisis. NY Federal Reserve Bank. June 2010.  
13<sup>th</sup> Annual Conference of the Central Bank of Chile. Santiago, Chile. October 2009.  
Recovering from the Crisis. International Labour Organization. Geneva, Switzerland.  
June 2009.  
2009 ASSA Meetings. San Francisco, California. January 2009.  
9<sup>th</sup> Jacques Polak Annual Research Conference. IMF, Washington. November 2008.  
15<sup>th</sup> World Congress of the International Economic Association, Istanbul, Turkey.  
June 2008.  
Emerging Markets Finance Conference at Cass Business School, London. May 2008.  
Financial Cycles, Liquidity, and Securitization. IMF, Washington. April 2008.  
Fall 2007 IFM Program Meeting of the NBER. Cambridge, Massachusetts. October 2007.  
II International Conference. FLAR. Cartagena, Colombia. July 2007.  
New Perspectives on Financial Globalization. IMF, Washington. April 2007.  
2007 ASSA Meetings. January 2007. Chicago, Illinois.

**CONFERENCE AND SEMINAR ORGANIZATION:**

Financial Cycles, Liquidity, and Securitization. April 2008. International Monetary Fund.  
Washington DC.

New Perspectives on Financial Globalization. April 2007. International Monetary Fund.  
Washington DC.

Chair of the Seminar Committee of the Research Department. 2006-2009. International  
Monetary Fund. Washington DC.



**FELLOWSHIPS AND AWARDS:**

- 2021 Bicentennial Medal. Gobierno Regional de Cajamarca, Peru.  
2013, 2010. Citation of Excellence Award. Prizes awarded by the Emerald Group Publishing.  
1984-1988 Fulbright Scholarship.  
1986-1988 Marie Christine Kohler Fellow. Graduate School, University of Wisconsin-Madison.  
1987 Economics Merit Scholarship-Carleton Holstrom. Department of Economics, University of Wisconsin, Madison.  
1981 Program of High Administration of Financial Institutions. Universidad Católica, Lima, Peru. Top student.

**PROFESSIONAL AFFILIATIONS:**

American Economic Association.  
Latin American and Caribbean Economic Association.  
Asociación Peruana de Economía.

**LANGUAGES:** Spanish (mother tongue), English (fluent), and Portuguese (working knowledge).

**PERSONAL:** Married, two children.

**December 2021.**