



JUNE 2023

DIEGO COMIN
Dartmouth College
Professor of Economics
6106 Rockefeller Hall, Room 327
Hanover, NH 03755
(603) 646-2531

EDUCATION

- 2000 Ph.D., Economics, Harvard University
Dissertation: *An Uncertainty-Driven Theory of the Productivity Slowdown*
Committee: Robert Barro (chair)
Philippe Aghion
Elhanan Helpman
John Leahy
- 2000 M.A., Economics, Harvard University
- 1995 B.A., Economics, Universitat Pompeu Fabra (Barcelona, Spain)

Other Education, Summer School

- 1997 Santa Fe Institute
- 1996 European University Institute (EUI) Florence
- 1994 London School of Economics

ACADEMIC APPOINTMENTS

- 2014- Professor of Economics, Dartmouth College
- 2007 - 2014 Associate Professor of Business Administration, Harvard Business School
- 2000 – 2007 Assistant Professor of Economics, New York University
- Fall 2012 Visiting Associate Professor, MIT Sloan School of Management

PROFESSIONAL ACTIVITIES

- 2021 Lead of Study of the Impact of Fraunhofer on the German Economy
- 2020 ERC Starting Grants Panel
- 2017- Co-Lead “Technology and Firms Program”, The World Bank
-

- 2017- Co-Founder, Linktia
- 2016 Consultant for Microsoft Corp.
- 2016-2019 Scientific Director “A Framework for the Analysis of Research and Adoption and their Macroeconomic Effects” (FRAME)
- 2016 Consultant to the Ministry of Higher Education and Science, Denmark
- 2015-2016 Lead Academic Expert in DG Research and Innovation Study in Deloitte-Rand Consortium for the EU Commission
- 2015-2019 Consultant, European Central Bank
- 2014-2015 Co-Founder of the Malaysian Private Public Research Network
- 2011 - Research Fellow, Center for Economic Policy Research (CEPR)
- 2004 - Faculty Research Fellow, National Bureau of Economic Research,

AWARDS AND HONORS

- 2023 Keynote Speaker Research Symposium World Bank
- 2016 Speaker in the US Congressional Budget Office bi-annual meeting on “The Cyclical dynamics of Productivity Growth”
- 2016 Keynote Speaker at “Economic Growth and Business Cycle: Integrating the Two Perspectives”
- 2015-17 Lead Researcher of Rand-Deloitte Consortium to update QUEST model for European Commission
- 2015 Co-Founder of the Public-Private Research Network, PPRN Malaysia
- 2013 Speaker, “If Technology has Arrived Everywhere, Why Has Income Diverged?”, World Economic Forum, New Champions Meeting, Dalian, China
- 2013 Keynote Speaker at V ZEW/MaCCI Conference on the Economics of innovation and Patenting
- 2013 Apgar Award for Innovation in Teaching for the *Malaysia IXP*
- 2011 Keynote Speaker at Future Challenges of Economic Research Conference on “R&D, Innovation and Growth.” Danish Agency for Science, Technology and Innovation
- 2009 Keynote Speaker at Dynamics of Institutions and Markets/DIME European Network of Excellence on “The Dynamics of Firm Evolution: From Micro-patterns to Aggregate Behavior”
- 2009 Keynote speaker at Internationale Weiterbildung und Entwicklung gGmbH/InWEnt Conference on “Promoting Innovation”

1995 Premio Especial Extraordinario, Universitat Pompeu Fabra (Barcelona, Spain)

FELLOWSHIPS AND GRANTS

2021 Department of Homeland Security and Texas A&M University *Supply Chain Stickiness* (Joint with Robert Johnson).

2020 Houblon Norman Fellowship, Bank of England.

2016-2019 Horizon 2020 grant “A Framework for the Analysis of Research and Adoption and their Macroeconomic Effects” (FRAME)

2013-2016 NSF Grant # SBE-1262249 (SciSIP), *Dynamics of Technology and Income*

2013-2015 Institute of New Economic Thinking Grant, *Innovation Systems: Positive and Normative Perspectives*

2012-13 SEEK Fellowship, *Why do Governments Fund Applied Research Institutions? Theory and Empirical Evidence from the German Fraunhofer Institutes*

2010-12 Institute of New Economic Thinking, Inaugural Grantee, *Drivers and Consequences of Technology Diffusion*

2009-2011 Gates Foundation Grant, *The Development of the Tourism Sector in Tanzania*

2007-2010 NSF Grant # SBE-738101 (SciSIP), *Innovation and Technology Implementation: Theory and Policy Implications* (Joint with Bart Hobijn)

2007 Berkley Center’s Entrepreneurship and Innovation Kaufman Research Grant

2006 Berkley Center’s Entrepreneurship and Innovation Kaufman Research Grant (Joint with Sydney Ludvigson)

2005-2007 NSF Grant # SES-0742957, *An Extensive Dataset on Historical Cross-Country Adoption* (Joint with Bart Hobijn)

2004 Goddard Fellowship

1995-2000 Real Colegio Complutense

1999 Dissertation Completion Fellowship, Harvard University

1995-1999 Bank of Spain Fellowship

RESEARCH

Journal Articles

- (1) Comin, Diego, Danial Lashkari, and Marti Mestieri. "Structural Change with Long-Run Income and Price Effects". *Econometrica* 89(1), 311-374.
- (2) Anzoategui, Diego, Diego Comin, Mark Gertler and Joseba Martinez. "Endogenous R&D and Technology Adoption as Sources of Business Cycle Persistence" *American Economic Journal: Macroeconomics*, July 2019.
- (3) Diego Comin and Ramana Nanda. "Financial Development and Technology Diffusion", *IMF Economic Review*, January 2019.
- (4) Comin, Diego and Marti Mestieri. "If Technology Has Arrived Everywhere, Why Has Income Diverged?" *American Economic Journal: Macroeconomics*, Vol. 10, No. 3, (July, 2018): 137-78.
- (5) Aghion, Philippe, Diego Comin, Peter Howitt, and Isabel Tecu. "When Does Domestic Saving Matter for Economic Growth?" *IMF Economic Review*, (January, 2016).
- (6) Comin, Diego, Norman Loayza, Farooq Pasha, and Luis Servén. "Medium Term Business Cycles in Developing Countries." *American Economic Journal: Macroeconomics* Vol. 6, no. 5 (October 2014): 209-45.
- (7) Comin, Diego, and Bart Hobijn. "How Early Adoption Has Increased Wealth – Until Now." *Harvard Business Review* 90, no. 3 (March 2012): 34-35.
- (8) Comin, Diego, and Bart Hobijn. "Technology Diffusion and Postwar Growth." *NBER Macroeconomics Annual* 25, no. 1 (2010), eds. Daron Acemoglu and Michael Woodford, The University of Chicago Press, pp. 209-246.
- (9) Comin, Diego, and Bart Hobijn. "An Exploration of Technology Diffusion." *The American Economic Review* 100, no. 5 (December 2010): 2031-2059.
- (10) Comin, Diego, William Easterly, and Erick Gong. "Was the Wealth of Nations Determined in 1000 B.C.?" *American Economic Journal: Macroeconomics* 2, no. 3 (2010): 65-97.
- (11) Comin, Diego, and Sunil Mulani. "A Theory of Growth and Volatility at the Aggregate and Firm Level." *Journal of Monetary Economics* 56, no. 8 (November 2009): 1023-1042.
- (12) Comin, Diego, and Bart Hobijn. "Lobbies and Technology Diffusion." *Review of Economics and Statistics* 91, no. 2 (May 2009): 229-244.
- (13) Comin, Diego, Bart Hobijn, and Emilie Rovito. "Technology Usage Lags." *Journal of Economic Growth* 13, no. 4 (December 2008): 237-256.
- (14) "On the Integration of Growth and Business Cycles." *Empirica* 36, no. 2 (May 2009): 165-176.
- (15) Comin, Diego, Erica Groshen, and Bess Rabin. "Turbulent Firms, Turbulent Wages?" *Journal of Monetary Economics* 56, no.1 (January 2009): 109-133.
- (16) Carbonell, Oriol, and Diego Comin. "Testing the Commitment Hypothesis in Contractual Settings: Evidence from Soccer." *Journal of Quantitative Analysis in Sports* 5, no. 4, article 1 (October 2009).
- (17) Comin, Diego, Bart Hobijn, and Emilie Rovito, "A New Approach to Measuring Technology with An Application to the Shape of the Diffusion Curves." *Journal of Technology Transfer* 33, no. 2

- (April 2008): 187-207.
- (18) Comin, Diego, and Mark Gertler. "Medium-Term Business Cycles." *The American Economic Review* 96, no. 3 (June 2006): 523-551.
 - (19) Comin, Diego, and Sunil Mulani. "Diverging Trends in Aggregate and Firm Volatility." *Review of Economics & Statistics* 88, no. 2 (May 2006): 374-383.
 - (20) "Using Investment Data to Assess the Importance of Price Mismeasurement." *B.E. Journals of Macroeconomics: Topics in Macroeconomics* 6 no.1, Article 7 (April 2006): 1-44.
 - (21) Comin, Diego, and Thomas Philippon. "The Rise in Firm-Level Volatility: Causes and Consequences." *NBER Macroeconomics Annual* 20 (2005), eds. M. Gertler and K. Rogoff, The University of Chicago Press, pp. 167-201.
 - (22) "R&D: A Small Contribution to Productivity Growth." *Journal of Economic Growth* 9, no. 4 (December 2004): 391-421.
 - (23) Comin, Diego, and Bart Hobijn. "Cross-Country Technology Adoption: Making the Theories Face the Facts." *Journal of Monetary Economics* 51 (January 2004): 39-83.
 - (24) "Convergence in Health: Dream or Reality?" *Gaceta Sanitaria* 11, no. 1 (January-February 1997): 33-42.

Books

- (1) "Bridging the Technological Divide: Technology Adoption by Firms in Developing Countries." Joint with Xavier Cirera and Marcio Cruz, World Bank Publishing, 2022.
- (2) "Drivers of Competitiveness" World Scientific Publishing, 2016.
- (3) "Malaysia Beyond 2020" UTM Press, 2014.

Book Chapters

- (1) "Technology Diffusion: Measurement, Causes and Consequences" in *Handbook of Economic Growth*, edited by Philippe Aghion and Steven Durlauf. Elsevier (2014), pp. 565-622.
- (2) "An Exploration of the Japanese Slowdown during the 1990s" in *Japan's Bubble, Deflation, and Long-term Stagnation*, edited by Koichi Hamada, Anil Kashyap and David Weinstein, The MIT Press (2011).

Comments and Other Publications

- (1) "Total Factor Productivity" in *The New Palgrave Dictionary of Economics*, Second Edition, eds. Steven N. Durlauf and Lawrence E. Blume, Palgrave Macmillan, New York (2008).
- (2) "Discussion of M. Weitzman's Stochastic Income and Wealth." *Japan and the World Economy*, 16, no. 3 (August 2004): 303-305.
- (3) "The Harrod-Domar Model" in *An Eponymous Dictionary of Economics*, eds. C.R. Braún and Julio Segura, Edward Elgar Publishing, Ltd, Cheltenham, UK (2004): 105.

- (4) Comment to *Technology Adoption Costs and Productivity Growth: The 70s as a Technological Revolution* by James Bessen, *Review of Economic Dynamics* 5, no. 2 (April 2002): 470-476.

Working Papers

- (1) Comin, Diego, Ana Danieli, and Marti Mestieri. “An Income-Driven Theory of Labor Market Polarization.” NBER wp. 27455. Revise and Resubmit at *Review of Economic Studies*
- (2) Comin, Diego and Robert Johnson. “Offshoring and Inflation.” NBER wp. 27957. Revise and Resubmit at *Review of Economic Studies*
- (3) Comin, Diego, Jon Skinner, Doug Staiger “Overconfidence and Technology Adoption in Healthcare.” NBER wp. 30345. Reject and Resubmit at *Review of Economic Studies*
- (4) Comin, Diego and Johannes Rode. “Do Green Users Become Green Voters” NBER wp. 31324
- (5) Comin, Diego, Javier Quintana, Tom Schmitz, and Antonella Trigari. “Revisiting Productivity Dynamics in Europe: A New Measure of Utilization-Adjusted TFP.” NBER wp. 31006.
- (6) Comin, Diego, Danial Laskhari and Marti Mestieri. “Structural Transformations of Innovation”
- (7) Comin, Diego, Georg Lich, Maikel Pellens, Torben Schubert “Do Companies Benefit from Public Research Organizations? The Impact of the Fraunhofer Society in Germany” ZEW wp 19-006.
- (8) Cirera, Xavier, Diego Comin, Marcio Cruz, Kyung Min Lee, “Anatomy of Technology Inside the Firm.” NBER wp. 28080
- (9) Cirera, Xavier, Diego Comin, Marcio Cruz, Kyung Min Lee, Jesica Torres “Technology and Resilience.” NBER wp. 29644
- (10) Comin, Diego, Mikhail Dmitriev, and, Esteban Rossi-Hansberg. “The Spatial Diffusion of Technology.”

Datasets

- (1) Comin, Diego, and Bart Hobijn. “The CHAT Dataset.” NBER Working Paper No. 15319 (August 2009).
- (2) Cirera, Xavier, Diego Diego, Marcio Cruz, and Kyung Min Lee, The Firm Adoption of Technology (FAT) Dataset.

Case Study Materials

- (1) Comin, Diego, Diana Dimitrova, and Yukiko Tsukamoto. “CoET: Innovation in Africa.” Harvard Business School case 713-021 (2012) 14 pp.
- (2) Comin, Diego, Rohan Gopaldas, and Diego Rehder. “Inkaterra.” Harvard Business School case 713-022 (2012) 23 pp.
- (3) Comin, Diego A., Mohamed Heikal, and Adam Said. “Egypt: Turbulence, and Transition?” Harvard Business School case 713-014 (2012) 26 pp.
- (4) Comin, Diego A., Maurice Kuykendoll, and Maurice Williams. “Malaysia: Standing on a Single Leaf.” Harvard Business School case 713-007 (2012) 16 pp.
- (5) “Malaysia IXP.” Harvard Business School teaching note 712-041 (March 2012) 19 pp.

- (6) “Drivers of Productivity and Global Competitiveness.” Harvard Business School module note 712-037 (February 2012; Rev: 2012) 29 pp.
- (7) Comin, Diego, and Richard H.K. Vietor. “South Africa (A) Stuck in the Middle?” Harvard Business School case 711-084 (April 2011; Rev: 2011) 28 pp.
- (8) Comin, Diego, and Richard H.K. Vietor. “South Africa (B) Getting Unstuck?” Harvard Business School case 711-085 (April 2011) 4 pp.
- (9) Comin, Diego, J. Gunnar Trumbull, and Kerry Yang. “Fraunhofer: Innovation in Germany.” Harvard Business School case 711-022 (March 2011; Rev: 2012) 34 pp.
- (10) Comin, Diego, and J. Gunnar Trumbull. “Fraunhofer: Five Significant Innovations.” Harvard Business School note 711-058 (March 2011; Rev: 2012) 18 pp.
- (11) Comin, Diego, and J. Gunnar Trumbull. “Fraunhofer: Innovation in Germany.” Harvard Business School teaching note 711-063 (2011; Rev: 2012) 32 pp.
- (12) “Business Cycles and the New Challenges of Globalization.” Harvard Business School module note 711-064 (2011) 14 pp.
- (13) “Peru IXP.” Harvard Business School teaching note 711-027 (September 2010) 18 pp.
- (14) Comin, Diego, and Richard H.K. Vietor. “China “Unbalanced.” Harvard Business School case 711-010 (July 2010; Rev: 2012) 27 pp.
- (15) Comin, Diego, and Richard H.K. Vietor. “China Unbalanced.” Harvard Business School teaching note 711-028 (September 2010; Rev: 2012) 32 pp.
- (16) Abraham, John, and Diego Comin. “Malaysia: People First?” Harvard Business School case 710-033 (April 2010; Rev: 2011) 34 pp.
- (17) “Malaysia: People First?” Harvard Business School teaching note 711-035 (2010) 23 pp.
- (18) Comin, Diego, Dante Roscini, and Elisa Farri. “Central Europe after the Crash: Between Europe and the Euro.” Harvard Business School note 710-047 (April 2010) 19 pp.
- (19) Comin, Diego, and Richard H.K. Vietor. “China: Getting Richer Still.” Harvard Business School case 710-050 (2010) 12 pp.
- (20) “Spain: Can the House Resist the Storm?” Harvard Business School case 709-021 (January 2009; Rev: 2012) 35 pp.
- (21) “Spain: Can the House Resist the Storm? (TN).” Harvard Business School teaching note 710-026 (October 2009; Rev: 2012) 28 pp.
- (22) “The Great Moderation, Dead or Alive?” Harvard Business School note 709-023 (January 2009; Rev: 2011) 16 pp.

PRESENTATIONS [Numbers indicate number of presentations at each institution]

Harvard University [10], MIT/Sloan, Princeton, Chicago, UC Berkeley, Cornell, Columbia [2], Brown [2], Yale [2], Penn State, University of Pennsylvania, London Business School [2], Ohio State, Arizona State University, Duke, Maryland, University of Rochester [2], University of Houston, Rice University, UCLA, NYU [6], Boston College [3], UC-San Diego, Buffalo, University of Toronto, Rotman school of Management, University of Tokyo, Madison-Wisconsin, Catholic University of Lisbon, Portugal, Universitat Pompeu Fabra/UPF Spain [2], Barcelona Summer forum [2], Institute for International Economic Studies/IIES Stockholm, Universitat Autònoma de Barcelona/UAB, Harvard Business School [3], Stanford Business School, Chicago Graduate School of Business, Stern School of Business [7], Wharton, INSEAD [2], Università Bocconi, University of Milano-Bicocca, Centre for European

Economic Research/ZEW [2], Economic Fluctuations & Growth/ EFG Meeting [2], National Bureau of Economic Research/NBER [13], Society for Economic Dynamics/SED [3], NY FED [5], Boston FED, San Francisco FED [3], Richmond FED [2], Midwestern Macro Conference at Chicago FED, Instituto Tecnológico Autónomo de México/ITAM-BBVA Conference [3], Paris School of Economics [2], EUI [2], International Monetary Fund/IMF, American Economic Association/AEA Meetings [4], The World Bank [4], World Bank Conference in Innovation Policy at UPF Spain, Bank of Spain, Bank of Portugal, Swiss National Bank/SNB Research Conference, CREI-WB Conference on Macroeconomic Volatility, Minnesota Macro Workshop [2], Iowa Conference on IO, ECB/IMOP Workshop at Hydra, Greece, Chaire en Economie et Management de l'Innovation/CEMFI, Center for Economic and Policy Research/CEPR Business Cycles Group, CEPR Conference on Growth and Institutions at INSEAD France, European Summer Symposium in International Macroeconomics/ESSIM /CEPR [4], Einaudi Institute for Economics and Finance/EIEF [2], World Bank [4], IMF [2], Board of Governors [2], European Central Bank [2], Future Challenges of Economic Research Conference in Copenhagen, University of Warwick.

Referee All major economic journals

Thesis Advisor and Examiner:

Xavier Jaravel, PhD 2016 (London School of Economics)
Mikhail Dmitriev, PhD 2014 (Florida State University)
Farooq Pasha, PhD 2013 (Central Bank of Pakistan)
Marti Mestieri, PhD 2011 (Toulouse School of Economics)
Ana Maria Santacreu, PhD 2009 (INSEAD)
Marc Siscart, PhD 2004 (Queen's University)
Parama Chaudurhi, PhD 2003 (Dartmouth College)
Oriol Carbonell, PhD 2002 (Rutgers University)
Helios Herrera, PhD 2002 (Instituto Tecnológico Autónomo de México/ITAM)
Hyunbae Chun, PhD 2001 (Queens College)