

Marcel Peter Timmer

Position

Professor, tenured	Since 2010	University of Groningen, the Netherlands
Director GGDC	Since 2012	Groningen Growth and Development Centre

Key publications

- Timmer, Marcel P., Sébastien Miroudot, Gaaitzen J de Vries (2019), "Functional specialisation in trade", **Journal of Economic Geography**, 19(1), lead article pp. 1–30.
- Feenstra, Robert C.; Inklaar, Robert and Timmer, Marcel P.(2015), "The Next Generation of the Penn World Table", **American Economic Review** 105(10), 3150-3182.
- Timmer, M.P., A.A. Erumban, B. Los, R. Stehrer and G.J. de Vries (2014), "Slicing Up Global Value Chains", **Journal of Economic Perspectives**, vol. 28(2), pp. 99-118.
- Timmer, Marcel P., Bart Los, Robert Stehrer and Gaaitzen J. de Vries (2013), "Fragmentation, Incomes and Jobs. An Analysis of European Competitiveness." **Economic Policy**, vol. 28(76), pp. 613–661.
- O'Mahony, M. and M.P. Timmer (2009), "Output, Input and Productivity Measures at the Industry Level: the EU KLEMS Database", **Economic Journal**, 119(538), pp. 374-403.
- Ark, van B., M. O'Mahony and M.P. Timmer (2008), "The Productivity Gap between Europe and the U.S.: Trends and Causes", **Journal of Economic Perspectives**, 22(1), pp. 25–44

Major collaborative projects

Funded by European Union Research Funds . Large-scale grants in the European Union Framework programs are given to lead-institutes and not to individual lead-researchers. I helped to develop successful applications for three major grants and headed the scientific work in these projects with two collaborators.

WIOD project (2009-2012)

Full title: "World Input-Output Database: Construction and Applications." Grant no. 225281 awarded to U. of Groningen as leader of consortium of 9 major European research institutes (: €3,991,449) More information: <http://www.wiod.org>. Role: Co-Investigator. Joint Leader with Prof. Erik Dietzenbacher and Dr Bart Los (both from U. of Groningen).

INDICSER project (2009-2012)

Full title: "Indicators for evaluating international performance in service sectors". Grant no. 244709 awarded to U. of Birmingham as leader of consortium of 8 major European research institutes (€2,349,725). More information: <http://indicser.com/>. Role: Co-Investigator. Joint Leader with Prof. Mary O'Mahony (U. of Birmingham) and Dr. Martin Weale (National Institute of Economic and Social Research, UK).

EUKLEMS project (2003-2008)

Full title: "Productivity in the European Union: A Comparative Industry Approach"
Funded under FP6, Priority 8, "Policy Support and Anticipating Scientific and Technological Needs". Grant awarded to U. of Groningen as leader of consortium of 17 major European research institutes (€4,894,767). More information: <http://www.euklems.net/index.html>. Role: Co-Investigator. Joint Leader with Prof. Bart van Ark (U. of Groningen) and Prof. Mary O'Mahony (U. of Birmingham).

Individual grants

Awarded by the NWO (Netherlands Organization for Scientific Research)

VICI Innovation grant (2015-2020): “*Modelling Global Value Chains: a new framework to study trade, jobs and income inequality in an interdependent world*” Grant no. 453-14-002 awarded to me as Principal Investigator (€1,500,000).

PhD-position (Open competition) (2010-2014): Grant no. 400-09-310 awarded in 2010 to me as Principal Investigator (grant €210,000).

Post-doc position (2000-2003): Awarded in 2000, as part of a larger project with 2 post-docs and 3 PhDs (titled *Technology and Economic Growth*) led by principal investigator Prof. Bart Verspagen (U. of Maastricht).

Other funded projects

Funded by foreign science foundations. For these grants I was (co)-applicant/(co)-investigator: I only report the value of the share of the grant awarded to me.

Trade and the UK project: Full title: The impact of Trade on Income, Employment and Inequality in the United Kingdom and her regions. Grant awarded by UK ESRC/ONS (Economic Statistics Centre of Excellence, ESCoE) in August 2017 grant (GBP£88,000). Role: Principle Investigator, with Los (RUG), Parey (Essex) and Levell (IFS) .

Africa Growth Project: Full title: Structural Change and productivity Growth in Africa, Grant no. ES/J009601/1 awarded Grant by U.K. Economic and Social Research Council and DFID Growth Programme in 2012 (grant GBP£298,000). Role: Co-applicant, with Prof. Dani Rodrik (Harvard U.), Prof. Jonathan Temple (U. Bristol) and principal investigator Dr Maggie McMillan (Intern. Food Policy Research Institute).

E-Frame Project: Full title: “E-Frame - European Framework for Measuring Progress”, Grant no. 290520 awarded by European Union FP7 Coordinating action in 2011 (grant €60,000). Role: Co-applicant, with principal investigator Dr Enrico Giovannini (OECD).

Penn World Table (PWT) project: Full title: “The Next Generation of the Penn World Table”, Grant awarded by Sloan Foundation in 2011. Two grants awarded by U.S. National Science Foundation in 2005 and 2011 (total grants US\$230,000). Co-applicant, together with principal investigators Prof. Robert Feenstra (UC Davis) and Prof. Alan Heston (U. of Pennsylvania).

PhDs supervision

Promoter of successfully completed PhD (10): Xianjia Ye (Completed 2017), Marianna Papakonstantinou (completed 2017); Wen Chen (completed 2016); Addisu Lashitew (completed in 2014); Joost Veenstra (completed in 2014); Ilya Voskoboynikov (completed in 2014); Jop Woltjer (completed in 2013); Janneke Pieters (completed in 2011); Gaaitzen de Vries (completed in 2010); Abdul Azeez Erumban (completed in 2008).

Co-promotor (1): Peter Hein van Mulligen (completed in 2003).

Promotor of current PhD students (4): Sybren Deuzeman (started 2018); Daan Freeman (started 2016), Aobo Jiang (started 2015); Stephan Pahl (started 2015).

Professional activities

Advisory and expert group membership

World Bank, Member Technical Advisory Group for International Comparison Program, 2010-2014; short-term consultant (regularly)

OECD-WTO, Expert advisor on trade in value added initiative, since 2012.

Statistics Netherlands, Expert advisor to various work programs, since 2009, and Advisory Board member Macro-economic Statistics, since 2008.

Proposal evaluation:

NWO (Dutch Science Foundation), VENI, VIDI and VICI rounds, since 2011.

European Commission Services, 7th framework programme, since 2011.

Japan Society for the Promotion of Science (JSPS) since 2014

World Bank, reviewer proposals (KCP), since 2015

Membership of professional organisations

International Association of Research in Income and Wealth (IARIW): Elected as a Council member in 2012-2018, and have organised sessions for its bi-annual meetings.

Conference on Research in Income and Wealth (CRIW), member since 2010.

Society for Economic Measurement (SEM): Founding member and member of the executive committee since 2013

Organisation of major workshops and conferences (selection)

World KLEMS conferences, jointly organised with Prof. Dale Jorgenson (Harvard U.). Bi-annual: Boston **2010**; Boston **2012**, Tokyo **2014**, Madrid **2016** and Boston, **2018**.

Sessions at bi-annual meetings of IARIW (*International Association of Research in Income and Wealth*): St. Gallen **2010**, Boston, **2012** and Rotterdam, **2014**.

Meeting of International research group on “Real GDP and PPP measurement”: Groningen **2007**; Groningen, **2011**.

Workshop “The Wealth of Nations in a Globalizing World”, jointly with Dr Bart Los, (U. of Groningen), July 18-19, **2013**.

Conference “Causes and consequences of globalisation”, jointly with Dr Bart Los (U. of Groningen), 23-25 April, **2012**.

I coordinated various small-scale workshops in context of the major international projects WIOD, INDICSER and EU KLEMS, for more information, see under ‘Grants’.

Editorial activities

Journal of Productivity Analysis, **Associate Editor** since 2010.

Review of Income and Wealth, **Editorial Board Member** since 2004, and **Assistant Managing Editor** from 2007 to 2010.

Guest Editor special issue for *Economic Systems Research*, vol. 19(3), 2007.

Reviewer for more than 25 leading journals in economics including: *Quarterly Journal of Economics*, *Journal of Development Economics*, *Review of Economic Studies*, *Economic Journal*, *Review of Economics and Statistics*, *Journal of International Economics*, *Oxford Economic Papers*, *International Economic Review* and *European Economic Review*.

Visiting positions

2014: University of Queensland, Brisbane, Australia (1 month)
2004: University of California, Davis, USA (2 months)
2002: Academia Sinica, Taipeh, Taiwan (1 month)
2000: Keio University and Research Institute of MITI, Tokyo, Japan (1 month)
2000: Seoul National University, Seoul, Korea (2 months)
1999: Kennedy School of Government, Harvard University, USA (2 month)
1997: Indonesian Institute of Sciences, PEP-LIPI, Jakarta, Indonesia (2 months)
1997: Australian National University, Canberra, Australia (1 month)
1997: Institute of Economic Growth, Delhi, and CUSAT, Cochin, India (3 months)
1995: University of New England, Armidale (2 months)

Invited presentations (selection)

2018: **Royal Economic Society**, Invited special session speaker, Brighton, 26 March 2018.
2017: **Hong Kong University of Science and Technology**, “International Production Fragmentation and the Global Trade Slowdown”, HKUST Conference on International Economics, Hong Kong, June 1-2, 2017
2017: **OECD**, “Some Thoughts on Old and New TiVA indicators”, Workshop on regional-global TiVa Initiatives, OECD, Paris, March 27, 2017.
2017: **Bank of England**, “GVCs and world trade”, London, March 21, 2017
2016: **Fourth IMF Statistical Forum**, “Lifting The Small Boats: Statistics For Inclusive Growth”, Washington, November 17-18, 2016.
2016: **CEPR/CEBRA** “International Trade and Macroeconomic Interdependence in the Age of Global Value Chains”, Vilnius, 15-16 September 2016
2016: **BBVA Fourth World KLEMS meeting**, Madrid, May 23-24, 2016
2016: **ECB, Compnet meeting, Prague**, April 21, 2016
2015: **De Nederlandse Bank, Amsterdam**, expert meeting on Dutch Growth Perspective, June 10
2015: **European Central Bank, Frankfurt**, Keynote, 25/26 June.
2015: **ULB, Brussels**, COEURE workshop “R&D, Innovation and Growth”, panellist, 23 June.
2015: **Higher School of Economics, Moscow**, Keynote and panellist, April 2015.
2015: **CEPREMAP, Ecole normale supérieure (ENS), Paris**, 23 January 2015.
2014: **Asia-Pacific Productivity and Efficiency Meetings, University of Queensland**, speaker on panel of “Future Developments in Productivity”, 5 July, Brisbane.
2014: **Research Institute for Economy, Trade and Industry (RIETI), Tokyo**, speaker at World KLEMS Policy Symposium "Growth Strategy after the World Financial Crisis", 20 May, Tokyo, (see www.youtube.com/playlist?list=PLrKLHCc7FQaNjRuzUO6V5JVxN42ID3uHq)
2014: **Ministry of Economic Affairs**: speaker at Seminar on OECD Innovation Review and Territorial Review of the Netherlands, April 2014, The Hague
2014: **E-frame final conference** “Beyond GDP, Okura hotel, Amsterdam.
2013: **European Central Bank (ECB)**, Competitiveness network (COMPNET), 23 Sept, Vienna.
2013: **Tsinghua University**, “Slicing Up Global Value Chains”, 25 June, Beijing.
2013: **Princeton University**, “International Comparisons of Output and Productivity”, May 24.

- 2013: **Upjohn Institute**, “Measuring the Effects of Globalisation”, March 1, Washington.
- 2013: **World Bank /ECB/PIIE Conference** “National Competitiveness, Scalability of International Value Chains and Location of Production”, 17 April, Washington.
- 2012: **Harvard University**, “Future of KLEMS productivity research”, August 10, Boston.
- 2012: **EU Directorate-General of Trade, High-level meeting**, "Competitiveness, trade, environment and jobs in Europe“, April 16, Brussels.
- 2012: **OECD/ECLAC/World Bank conference** “Latin America’s Prospects for Upgrading in Global Value Chains”, March 14-15, Mexico City.
- 2011: **World Bank workshop**, “The Fragmentation of Global Production and Trade in Value Added”, June 9-10, Washington.
- 2010: **OECD Conference** on Global Value chains, 21 September, Paris.
- 2010: **Korea Productivity Centre**, Conference on Productivity in East Asia, 20 October, Seoul.
- 2010: **Research Institute for Economy, Trade and Industry , Tokyo**, Hi-Stat Workshop, October.
- 2010: **University of Munich (LMU)**, **Keynote lecture** at ICT & Economic Growth Conference, November 5, Munich.
- 2008: **Toulouse School of Economics** and French Ministry for Higher Education and Research “Knowledge for Growth: European Strategies in the Global Economy”, 7 July, Toulouse.

Prizes

Best paper award *Economisch Statistische Berichten* in 2014 for Los, B., M.P. Timmer and G.J. de Vries (2014), “De concurrentiepositie van Nederland in mondiale waardeketens”

All output

Refereed contributions

- Marcel P Timmer, Sébastien Miroudot, Gaaitzen J de Vries (2019), “Functional specialisation in trade”, **Journal of Economic Geography**, 19(1), lead article pp. 1–30.
- IJtsma, P., P. Levell, B. Los and M. P. Timmer (2018), “The UK's participation in global value chains and its implications for post-Brexit trade policy”, **Fiscal Studies**: 39: 651-683.
- Cavallo, A., Diewert, W. E., Feenstra, R. C., Inklaar, R., & Timmer, M. (2018). “Using Online Prices for Measuring Real Consumption across Countries”. **AEA Papers and Proceedings**, 108, 483-487.
- Timmer, Marcel P. and X. Ye (2018), “Productivity and Technical Change in Global Value Chains”, Chapter 21 in K. Lovell, E. Grifell and R. Sickles, *Oxford Handbook on Productivity* **Oxford University Press**.
- Inklaar, R.C., A.A. Lashitew and M.P. Timmer (2017), “Resource Misallocation in Cross-country Differences in Manufacturing Productivity”, **Macroeconomic Dynamics**, 21(3), 733-756.
- Jorgenson, D., K. Fukao and Marcel P. Timmer (editors) (2016), *The World Economy. Growth and Stagnation?*, **Cambridge University Press**.
- Los, B., M. P. Timmer and G. J. de Vries (2016), “Tracing Value-Added and Double Counting in Gross Exports: Comment”, **American Economic Review**, 106(7), 1958-66.
- Timmer, M.P., J. Veenstra and J. Woltjer (2016),” The Yankees of Europe? A New View on Technology and Productivity in German Manufacturing in the Early Twentieth Century”, **Journal of Economic History**, 76(3), 874-908.
- Timmer, Marcel P., B. Los and G.J. de Vries (2016), “The rise of global manufacturing value chains: a new perspective based on the World Input–Output Database.”, Chapter 15 in Jorgenson, Fukao and Timmer (2016, eds), *The World Economy. Growth and Stagnation?*, **Cambridge University Press**.
- Timmer, M.P. (2016), “Understanding Productivity and Employment in a Fragmenting Economy: the Global Value Chain Approach”, in Askenazy (ed.) *Productivity Puzzles in Europe*, **CEPREMAP, Oxford University Press**.
- Feenstra, Robert C., Inklaar, Robert and Timmer, Marcel P. (2015), “The Next Generation of the Penn World Table”, **American Economic Review** 105(10), 3150-3182.
- Los, B., M.P. Timmer and G.J. de Vries (2015), “Globalization or Regionalization? A New Approach to Measure International Fragmentation of Value Chains”, **Journal of Regional Science**, 55(1), 66-92.
- Timmer, Marcel P., Erik Dietzenbacher, Bart Los, Robert Stehrer and Gaaitzen J. de Vries (2015), “An Illustrated User Guide to the World Input-Output Database: the Case of Global Automotive Production”. **Review of International Economics** 23(3), 575-605
- de Vries, G.J., M.P. Timmer, and K. de Vries (2015). “Structural Transformation in Africa: Static gains, dynamic losses.” **Journal of Development Studies**, 51(6), pp. 674-688.
- Los, B., Timmer, M. P., & de Vries, G. J. (2015). “How important are exports for job growth in China? A demand side analysis”, **Journal of Comparative Economics**, 43(1), 19-32.
- Timmer, M.P., de Vries, G., & de Vries, K. (2015), “Patterns of structural Change in Developing Countries”. In J. Weiss, & M. Tribe (Eds.), *Routledge Handbook of Industry and Development*. (pp. 65-83), **Routledge**.
- Timmer, M.P., A.A. Erumban, B. Los, R. Stehrer and G.J. de Vries (2014), "Slicing Up Global Value Chains", **Journal of Economic Perspectives**, vol. 28(2), pp. 99-118.
- Van Zanden, J.L, J. Baten, M. Mira d'Ercole, A. Rijpma and M.P. Timmer (editors) (2014), *How was life? Global Well-being since 1820*, **OECD: Paris**.
- Timmer, M. P. and I. B. Voskoboinikov (2014), "Is Mining Fuelling Long-Run Growth in Russia?"

- Industry Productivity Trends since 1995.", **Review of Income and Wealth**, 60(S2), S398-S422.
- Inklaar, R.C. and M.P. Timmer (2014), "The Relative Price of Services", **Review of Income and Wealth**, 60(4), 727-746.
- Timmer, Marcel P., Bart Los, Robert Stehrer and Gaaitzen J. de Vries (2013), "Fragmentation, Incomes and Jobs. An Analysis of European Competitiveness." **Economic Policy**, vol. 28(76), pp. 613–661.
- Dietzenbacher, E., B. Los, R. Stehrer, M. P. Timmer and G.J. de Vries (2013), "The Construction of World Input-Output Tables in the WIOD Project", **Economic Systems Research**, 25, 71-98.
- Vries, de G, A.A. Erumban, M.P. Timmer, I. Voskoboynikov and H. Wu (2012), "Deconstructing the BRICs: Structural Transformation and Aggregate Productivity Growth", **Journal of Comparative Economics**, 40(2), pp. 211–227.
- Erumban, A.A. and M.P. Timmer (2012), "The Dark Side of Creative Destruction: Innovation and Retirement of Capital", **Industrial and Corporate Change** 21(5), pp. 1149-1174
- Temurshoev, U. and M.P. Timmer (2011), "Joint estimation of supply and use tables", **Papers in Regional Science**, 90(4), pp. 863-882.
- Jorgenson, D.W. and M.P. Timmer (2011), "Structural Change in Advanced Nations: A New Set of Stylised Facts", **Scandinavian Journal of Economics**, 113(1), pp. 1-29.
- Timmer, M.P., R. Inklaar, M. O'Mahony, and B. van Ark (2010), *Economic Growth in Europe*, **Cambridge University Press**.
- O'Mahony, M. and M.P. Timmer (2009), "Output, Input and Productivity Measures at the Industry Level: the EU KLEMS Database", **Economic Journal**, 119(538), pp. 374-403.
- Feenstra, R., A. Heston, M.P. Timmer and H. Deng (2009), "Estimating Real Production and Expenditures Across Nations: A Proposal for Improving the Penn World Tables", **Review of Economics and Statistics**, 91(1), pp. 201-12.
- Inklaar, R. and M. P. Timmer (2009), "Productivity Convergence Across Industries and Countries: The Importance of Theory-based Measurement", **Macroeconomic Dynamics**, vol.13(S2), 218-240.
- Timmer, M.P. and G.J. de Vries (2009), "Structural change and growth accelerations in Asia and Latin America: a new sectoral data set", **Cliometrica**, 3(2) pp. 165-190.
- Inklaar, R., M. P. Timmer and B. van Ark (2008), "Market Services Productivity", **Economic Policy**, 23, pp. 141-194.
- Inklaar, R. and M. P. Timmer (2008), "Accounting for Growth in Retail Trade: An International Productivity Comparison", **Journal of Productivity Analysis**, 29(1), pp. 23-31.
- Ark, van B., M. O'Mahony and M.P. Timmer (2008), "The Productivity Gap between Europe and the U.S.: Trends and Causes", **Journal of Economic Perspectives**, 22(1), pp. 25–44
- Fremdling, R. H. de Jong and M. P. Timmer (2007), "British and German Manufacturing Productivity Compared. A New Benchmark for 1935/36 Based on Double Deflated Value Added", **Journal of Economic History**, 67(2), pp. 350-77.
- Inklaar, R. and M. P. Timmer (2007), "International Comparisons of Industry Output, Inputs and Productivity Levels: Methodology and New Results", **Economic Systems Research**, 19(3), 343-64.
- Inklaar, R. and M. P. Timmer (2007), "Of yeast and mushrooms: Patterns of industry-level productivity growth", **German Economic Review**, 8(2): 174–187
- Inklaar, R. M. P. Timmer and B. van Ark (2007), "Mind the gap! International comparisons of productivity in services and goods production", **German Economic Review**, 8(2): 281–307
- Hill, R. and M.P. Timmer (2006), "Standard Errors as Weights in Multilateral Price Indexes", **Journal of Business and Economic Statistics** 24(3), pp. 366-377.
- Inklaar, R. and M.P. Timmer (2006), "Resurgence of Employment Growth in the European Union:

- The Role of Cycles and Labour Market Reforms”, **Economic Letters**, 61(1), pp.61-66.
- Los, B. and M.P. Timmer (2005), “The ‘Appropriate Technology’ Explanation of Productivity Growth Differentials: An Empirical Approach”, **Journal of Development Economics**, 77(2), 517-31.
- Timmer, M.P. and B. van Ark (2005), “Does Information And Communication Technology Drive Productivity Growth Differentials? A Comparison Of The European Union Countries And The United States”, **Oxford Economic Papers**, 57(4), pp. 693-716.
- Inklaar, R., M. O’Mahony and M.P. Timmer (2005), “ICT and Europe’s Productivity Performance: Industry-level growth account comparisons with the United States”, **Review of Income and Wealth**, 51(4), pp.505-536.
- Timmer, M.P., R. Inklaar and B. van Ark (2005), “Alternative output measurement for the U.S. retail trade sector”, **Monthly Labour Review**, July 2005, pp. 2-8.
- Timmer, M.P. and B. Los (2005), “Localized Innovation and Productivity Growth in Asia: An Intertemporal DEA Approach”, **Journal of Productivity Analysis**, 23(1), pp. 47-64.
- Rao, D.S.P. and M.P. Timmer (2003), “Purchasing Power Parities for Industry Comparisons Using Weighted Elteto-Koves-Szulc (EKS) Methods”, **The Review of Income and Wealth**, 49(4), pp. 491-512.
- Timmer, M.P. (2003), “Technological development and rates of return to investment in a catching-up economy: the case of South Korea”, **Structural Change and Economic Dynamics**, 14(4), 405-25.
- Broersma, L., R.H. McGuckin and M.P. Timmer (2003), “The Impact of Computers on Productivity in the Trade Sector: Explorations with Dutch Microdata”, **De Economist**, 151(1), pp. 53-79.
- Szirmai, A., M. Timmer and R. van der Kamp (2002), “Measuring Embodied Technological Change in Indonesian Textiles: The Core Machinery Approach”, **Journal of Development Studies**, 39(2), pp. 155-177.
- Serrano, L. and M.P. Timmer (2002), “Is Technical Change Directed By The Supply Of Skills? The Case Of South Korea”, **Economic Letters**, 76, pp. 289-293.
- Timmer, M.P. (2002), “Climbing the Technology Ladder Too Fast? New Evidence on Comparative Productivity Performance in Asian Manufacturing”, **Journal of Japanese and International Economies**, 16, pp.50-72.
- Ark, B. van, and M.P.Timmer (2002), “Notes and Communications. Industry Productivity Comparisons”, **De Economist** 150(1), pp. 95-109.
- Timmer, M.P. (2001), “Financial and Economic Crises in Asia”, **The Review of Income and Wealth**, 47(1), pp.125-133.
- Timmer, M.P. (2000), *The Dynamics of Asian Manufacturing. A Comparison in the late Twentieth Century*, **Edward Elgar Publishers**, Cheltenham.
- Timmer, M.P. and A.Szirmai (2000), “Productivity Growth in Asian Manufacturing: The Structural Bonus Hypothesis Re-examined”, **Structural Change and Economic Dynamics**, 11(4), pp. 371-391.
- Timmer, M.P. and A.Szirmai (1999), “International Comparison of Productivity Performance in Manufacturing in South- and East Asia, 1963-1993”, **Oxford Development Studies**, vol.27(1), pp.57-79.
- Timmer, M.P. (1999), “Indonesia’s Ascent on the Technology Ladder: Capital Stock and Total Factor Productivity in Indonesian Manufacturing, 1975-1995”, **Bulletin of Indonesian Economic Studies**, vol 35(1), pp. 75-97.

Non-refereed contributions

- Timmer, M.P. (2017), "Productivity Measurement in Global Value Chains", **International Productivity Monitor**, Fall , pp. 182-199, Centre for the Study of Living Standards, Ottawa.
- Timmer, M.P. (2017), "De wereldhandel groeit niet meer en dat is geen probleem", **Economisch Statistische Berichten** 102 (4748).
- Timmer, M.P. (2015), "Een mondiaal perspectief op technologie, handel en de vraag naar arbeid". In: Weel, B. ter (ed) (2015) *De match tussen mens en machine*. Preadviezen van de KVS. **Amsterdam: KVS**.
- Los, B., Timmer, M., & de Vries, G. (2015). "Global value chains: 'Factory World' is emerging" in *The Age of Global Value Chains: Maps and Policy Issues*, edited by João Amador and Filippo di Mauro, A VoxEU.org eBook, **CEPR**, p. 36-47.
- Los, B., Stehrer, R. Timmer, M.P., & de Vries, G. (2015). "Factor specialisation within global value chains" in Amador and di Mauro (eds.), *The Age of Global Value Chains*, **CEPR**, p. 48-58
- Los, B. and M.P. Timmer, (2015), "Appendix – Analysis of global production networks: Approaches, concepts and data" in Amador and di Mauro (eds.), *The Age of Global Value Chains*, **CEPR**, p. 201-208.
- Timmer, M., Los, B., & de Vries, G. (2015). "Incomes and Jobs in Global Production of Manufactures: New Measures of Competitiveness Based on the World Input-Output Database". In S. N. Houseman, & M. Mandel (Eds.), *Measuring Globalization: Better Trade Statistics for Better Policy*, Vol. 2, 121-163, Kalamazoo : **W.E. Upjohn Institute for Employment Research**
- de Vries, G., Erumban, A., Timmer, M., Voskoboinikov, I., & Wu, H. X. (2015), " Deconstructing the BRIC: Structural Transformation and Aggregate Productivity Growth.", in W. Naudé, A. Szirmai, & N. Haraguchi (Eds.), *Structural Change and Industrial Development in the BRICS*. (pp. 66-90). Oxford: **Oxford University Press**.
- Timmer, M.P. (2015), "Mondiale Waardeketens en de Nieuwe Economie", **Economisch Statistische Berichten** 100 (4723 & 4724), p.708-711.
- Los, B., M.P. Timmer and G.J. de Vries (2014), "De concurrentiepositie van Nederland in mondiale waardeketens", **Economisch Statistische Berichten**, 99, pp. 432-436. *Awarded prize: Best article in 2014*.
- Van Zanden, J.L, J. Baten, M. Mira d'Ercole, A. Rijpma and M.P. Timmer (2014), "Global well-being since 1820", Chapter 1 in van Zanden et al. (eds) *How was life? Global Well-being since 1820*, **OECD: Paris**.
- Bolt, J. M.P. Timmer and J.L. Van Zanden, J.L (2014), "GDP per capita since 1820", Chapter 3 in van Zanden et al. (eds) *How was life? Global Well-being since 1820*, **OECD: Paris**.
- Dietzenbacher, E., B. Los and M.P. Timmer (2013), "The World Input-Output Tables in the WIOD Database", Chapter 5 in M. Lenzen and J. Murray (eds), *The Sustainability Practitioner's Guide to Multi-Regional Input-Output Analysis*, **Illinois: Common Ground**.
- Ark, B., M. O'Mahony and M. P. Timmer (2013), " Europe's productivity performance in comparative perspective: trends, causes and projections", Chapter 11 in D.S. Prasada Rao and Bart van Ark (eds), *World Economic Performance. Past, Present and future*, **Edward Elgar**, pp. 290-316.
- Inklaar, R. and M. P. Timmer (2013), "Using Expenditure PPPs for Sectoral Output and Productivity Comparisons ", Chapter 24 in World Bank , *Measuring the Real Size of the World Economy: the Framework, Methodology, and Results of the International Comparison Program (ICP)*. **Washington, DC: World Bank**.
- Ark, B., M. O'Mahony and M. P. Timmer (2012), " Europe's productivity performance in comparative perspective: trends, causes and recent developments", Chapter 3 in M. Mas and R. Stehrer (eds), *Industrial Productivity in Europe, Growth and Crisis*, **Edward Elgar**, pp.337-368.

- Inklaar, R. and M. P. Timmer (2012), " Productivity convergence across industries and countries: the importance of theory- based measurement", Chapter 11 in M. Mas and R. Stehrer (eds), *Industrial Productivity in Europe, Growth and Crisis*, **Edward Elgar**, pp.337-368.
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