

## CV, October 2016

**Name:** Marcel P. Timmer  
**Gender:** Male  
**Date and place of birth:** 3 April 1970, Veendam, The Netherlands  
**Nationality:** Dutch  
**Birth country of parents:** Netherlands

### Master's ('Doctoraal')

**University/College of Higher Education:** University of Groningen  
**Date (dd/mm/yy):** 31/08/1994  
**Studies:** MA Econometrics (*Cum laude*)  
**Main subject:** Economic Growth

**University/College of Higher Education:** University of Groningen  
**Date (dd/mm/yy):** 31/08/1994  
**Studies:** MA Philosophy of Science  
**Main subject:** Philosophy of Social Sciences

### Doctorate

**University/College of Higher Education:** Eindhoven University of Technology  
**Starting date (dd/mm/yy):** 01/09/1994  
**Completion date (dd/mm/yy):** 18/10/1999  
**Supervisor ('promotor'):** Prof. A. Szirmai and Prof. H.G.G. Verspagen  
**Title of thesis:** "The Dynamics of Asian Manufacturing"

## Work experience since completing PhD

Position	Period	Number of fte	Type of position	Institution
Lecturer	1999-2000	1.0	Fixed term	U. of Groningen
Post Doc (NWO)	2000-2003	1.0	Fixed term	U. of Groningen
Assistant Professor (UD)	2003-2007	1.0	Fixed term	U. of Groningen
Associate professor (UHD)	2007-2010	1.0	Tenure Track	U. of Groningen
Professor	Since 2010	1.0	Tenured	U. of Groningen

## Grants

### A. NWO (Netherlands Organization for Scientific Research)

#### A1. VICI: grant €1,500,000

- Grant no. 453-14-002 awarded in 2015 to me as **Principal Investigator**.

#### A2. PhD-position (Open competition): grant €210,000

- Grant no. 400-09-310 awarded in 2010 to me as **Principal Investigator**.

#### A3. Post-doc position (3-year): grant €221,356

- 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).

### B. 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.*

#### B1. Africa Growth Project: grant GBP£298,000

- 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.
- **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).

#### B2. E-Frame Project: grant €60,000

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

#### B3. PWT project: grant US\$150,000

- Full title: “The Next Generation of the Penn World Table”, Grant awarded by **Sloan Foundation** in 2011.
- **Co-applicant**, together with principal investigator **Robert Feenstra (UC Davis)**.

#### B4. International Comparisons Project: grant US\$90,000

- Full title: “Integrating Expenditure and Production Estimates in International Comparisons and Measuring Real GDP”, Two grants awarded by **U.S. National Science Foundation** in 2005 and 2011.
- **Co-applicant**, together with principal investigators **Prof. Robert Feenstra (UC Davis)** and **Prof. Alan Heston (U. of Pennsylvania)**.

## **C. European Union Research Funds**

*Large-scale grants in the European Union Framework programs (FP6 and FP7) are given to lead-institutes and not to individual lead-researchers. I developed successful applications for three major grants and headed the scientific work in these projects with two collaborators.*

### **C1. WIOD project: €3,991,449 (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. More information: <http://www.wiod.org>.
- **Role: Co-Investigator.** Joint Leader with **Prof. Erik Dietzenbacher** and **Dr Bart Los (both from U. of Groningen).**

### **C2. INDICSER project: €2,349,725 (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. 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).**

### **C3. EUKLEMS project: €4,894,767 (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. 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).**

## **PhDs supervision**

**Promoter of successfully completed PhD (8):** 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):** Aobo Jiang (started 2015); Stephan Pahl (started 2015); Xianjia Ye (started 2013); Marianna Papakonstantinou (started 2011);

## **Professional activities**

### **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)**

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](http://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.

### Membership of professional organisations

- **International Association of Research in Income and Wealth (IARIW):** Elected as a Council member in 2012, 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** and Tokyo **2014**.
- **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’.

### Advisory and expert group membership

- **World Bank,** Member Technical Advisory Group for International Comparison Program, 2010-2014.
- **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 and VIDI rounds, since 2011.
  - **European Commission Services,** 7<sup>th</sup> framework programme, since 2011.
  - **Japan Society for the Promotion of Science (JSPS)** since 2014
  - **World Bank, reviewer proposals (KCP),** since 2015

### 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*.

### 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”

## Output indicators

Total citations:	7592
H-index:	38
Highest cited paper:	726 cites

(source: Google scholar, 28 October 2016)

I rank in the top 5% of all 40,885 economists worldwide (based on either *citations numbers*, *breadth of citations across fields*, or *h-index*). Source: RePEc/IDEAS project.

## Key publications

- 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 (2016), “Tracing Value-Added and Double Counting in Gross Exports: Comment”, **American Economic Review**, 106(7), 1958-66.
- 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, 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

## All output

### Refereed articles

2016

- 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.
- Inklaar, R.C., A.A. Lashitew and M.P. Timmer (2016), "Resource Misallocation in Cross-country Differences in Manufacturing Productivity", **Macroeconomic Dynamics**, forthcoming.

2015

- 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.

2014

- 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, M. P. and I. B. Voskoboynikov (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.

2012-2013

- 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

2009-11

- 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.
- 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.

2007-08

- 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

2005-6

- 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.
- 2003 and earlier*
- 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. 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.

## Books

- Jorgenson, D., K. Fukao and Marcel P. Timmer (editors) (2016, forthcoming), *The World Economy. Growth and Stagnation?*, **Cambridge University Press**.
- 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., R. Inklaar, M. O'Mahony, and B. van Ark (2010), *Economic Growth in Europe*, **Cambridge University Press**.
- Timmer, M.P. (2000), *The Dynamics of Asian Manufacturing. A Comparison in the late Twentieth Century*, **Edward Elgar Publishers**, Cheltenham.

## Contributions to books

- Timmer, Marcel P. and X. Ye (forthcoming), "Productivity and Technical Change in Global Value Chains", Chapter in K. Lovell, E. Grifell and R. Sickles, *Oxford Handbook on Productivity* **Oxford University Press**.
- 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**.
- 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**.
- 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**.
- 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**.
- 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**.
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- Recasting international income differences: The next-generation Penn World Table, 2 September 2013;
- Rethinking competitiveness: The global value chain revolution, 26 June 2013;
- The new World Input-Output Database, 13 May 2012.

2. *Newspaper interviews*

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