Curriculum vitae

Jan P.A.M. Jacobs

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Personal information

Name	Johannes Petrus Antonius Maria (Jan) Jacobs
Date of birth	10 November 1960 in Beers (NB), the Netherlands
Address	Steenhouwerskade 140, 9718 DL Groningen, the Netherlands
Nationality	Dutch

Current position

Associate Professor, Department of Economics, Econometrics and Finance, Faculty of Economics and Business, University of Groningen

Research Associate of the Centre for Applied Macroeconomic Analysis, Australian National University, Canberra, Australia

Associate fellow of CIRANO, Montréal

Fellow of the Euro Area Business Cycle Network

Fellow of the Research Institute SOM (Systems, Organisation and Management)

Fellow of the Centre for International Banking, Insurance and Banking (CIBIF)

Qualifications

1983	MA Econometrics, University of Groningen
1993	Graduate programme of the *Netherlands Network of Economics*
1998	PhD, University of Groningen: *Econometric Business Cycle Research: with an Application to the Netherlands*, supervisors: Prof. dr S.K. Kuipers and Prof. dr E. Sterken
2013	University Teaching Qualification (UTQ)

Fields of interest

Empirical macroeconomics; business cycles; financial crises;
quantitative economic history; health economics

Work experience

1982–1983	Research assistant, Department of Economics, University of Groningen
1983–1987	Logistics trainee, Philips International BV, Eindhoven
1987–1992	Ph.D. student Department of Economics, University of Groningen
1992–2008	Economic researcher, CCSO and Department of Economics and Econometrics, University of Groningen
2008–2011	Research Associate, CCSO and Faculty of Economics and Business, University of Groningen
2011–	Associate Professor, Department of Economics, Econometrics and Finance, Faculty of Economics and Business, University of Groningen
2017–2020	Adjunct Professor University of Tasmania

Visiting positions

1998	Visitor, the Economics Program of the Research School of Social Studies, Australian National University, Canberra, Australia (October–December)
1999	Visiting Fellow, the ESRC Macroeconomic Modelling Bureau, University of Warwick, Coventry, UK (February–May)
2002	Visitor, the Ifo Institute for Economic Research, Munich, Germany (September–October)
2004	Visitor, Queens' College and Cambridge University, Cambridge (February)
	Visitor, University of Konstanz and the Thurgau Institute of Economics (October)
	Visitor, the Cambridge Endowment of Research in Finance, University of Cambridge (November)
2005	Visitor, the Cambridge Endowment of Research in Finance, University of Cambridge (February)
	Visitor, Iowa State University, Ames, Iowa (May)
	Visitor, The Conference Board, New York (May)
2006	Visitor, the Cambridge Endowment of Research in Finance, University of Cambridge (March)
	Visiting Fellow, CIREQ, Montréal (August)
2007	Visiting Fellow, CIREQ, Montréal (June–July)
	Visitor, KOF, ETH Zurich (July)
2009	Visitor, CAMA, Canberra (July)
	Visiting Fellow, CIREQ, Montréal (October)
2010	Visiting Fellow, CIREQ, Montréal (June–July)
	Visitor, CAMA, Canberra (October)
	Visiting Scholar, University of Tasmania (October–December)
2011	Visitor, CFAP, University of Cambridge (September)
	Visiting Fellow, CIREQ, Montréal (October)

2012	Visitor, CAMA, Canberra (March)
	Visiting Scholar, University of Tasmania (March–April)
	Visiting Scholar, De Nederlandsche Bank, Amsterdam (May)
	Visitor, KOF, ETH Zurich (May)
	Visitor, Institute of Social and Economic Research, Osaka University (November)
2013	Visiting Fellow, CIREQ, Montréal (October–November)
2014	Visiting Professor, KOF, ETH Zurich (June)
	University of Tasmania (October–November)
	University of Melbourne (October)
2015	Visiting Scholar, De Nederlandsche Bank, Amsterdam (March)
	Visiting Fellow, CIRANO, Montréal (August)
2016	Visiting Scholar, De Nederlandsche Bank, Amsterdam (April)
2016	Visiting Scholar, University of Tasmania (November–December)

PhD supervision

Lestano. The impact of the Asian financial crisis in 1997 on the Indonesian economy. With Gerard Kuper and Elmer Sterken. June 2006. [Atma Jaya Catholic University of Indonesia. Deceased July 2015]

Mark Mink. Financial system instability: common shocks, or contagion. With Jakob de Haan. September 2012. [De Nederlandsche Bank]

Muhammad Omer. Selected topics in international monetary economics: Uncovered Interest Parity, and excess interbank liquidity in Pakistan. With Jakob de Haan and Bert Scholtens. February 2014. [Central Bank Pakistan]

Anna Samarina. Monetary Policy Strategies: Abandonment, Adoption, and Performance. With Jakob de Haan. February 2014. [De Nederlandsche Bank]

Zhongbo Jing. Banking crises: Identification, propagation, and prediction. With Jakob de Haan. July 2015. [Central University of Finance and Economics, Beijing]

Tjeerd Boonman. Sovereign debt defaults and currency crises in Latin America. With Gerard Kuper and Elmer Sterken. December 2015. [Monmouth University]

Sebastiaan Pool. Credit supply and macroeconomic fluctuations. With Jan-Marc Berk. March 2018. [European Central Bank]

Irina Stângă. Bank fragility and financial stability policies. With Martien Lamers and Robert Lensink. February 2019. [De Nederlandsche Bank]

Ferdinand Dreher. Financial markets: Market information, investment strategies, and spillovers. With Jakob de Haan. July 2019. [European Central Bank]

Fred Giesenow. Government Ideology, Monetary Policy, Fiscal Policy, and Financial Crises. With Jakob de Haan. July 2023. [University of Groningen]

Xin Tian. The global financial cycle: Measurement, spillovers, and transmission. With Jakob de Haan.

PhD committees

Pedro Duarte Bom (Tilburg University, November 2011)
Jasper de Winter (Erasmus University, December 2016)
Jan Lohmeyer (Maastricht University, December 2018)
Andrew E. Evans (Macquarie University, January 2019)
Jingyang Liu (Utrecht University, March 2020)

Teaching

Econometrics for economics (2001–2013)
Empirical Research Paper (2010–2013)
Business Cycle Analysis (2009–2010)
Graduate course in Marketing ‘Time Series Analysis’ (2006)
Graduate course ‘Historical Time Series Analysis’ (2012)
Graduate course ‘Applied Macroeconometrics’ (2014–2017; 2020–2021)
Executive MBA Energy Transition (2021–)
Supervision of Bachelors and Masters Theses

Administrative activities

Co-organiser of the SOM Seminar series (2000–2002)
Co-organiser of the SOM/CCSO IEE and Brown Bag Seminars (2002–2008)
Co-organiser of a Mini-Workshop on South-East Asia, May 2003
Co-organiser of the Workshop on Business Cycle Analysis in the Netherlands (Conjunctuurdag), January 2004
Co-organiser of the Workshop on Welfare Effects of Economic Growth, and Standard of Living, May 2004
Co-organiser of the Workshop on Real Time Data Analysis, Zurich, July 2007
Co-organiser of the CIBIF Workshop on Financial Systems and Macroeconomics, Groningen, April 2010
Co-organiser of 7th Annual CIRANO Workshop on Data Revision in Macroeconomic Forecasting and Policy, Montréal, October 2011
Co-organiser of the Workshop on Business Cycle Analysis in the Netherlands (Conjunctuurdag), February 2013
Scientific Program Committee, 10th International Conference on Computational and Financial Econometrics (CFE 2016), University of Seville, Spain, December
Scientific Program Committee, 11th International Conference on Computational and Financial Econometrics (CFE 2017), University of London, UK, December
Scientific Program Committee, 13th International Conference on Computational and Financial Econometrics (CFE 2019), University of London, UK, December
Co-organisor Workcamp Empirical Macro-Finance, University of Groningen, June 2021

Consulting

Institutional Brokerage Services N.V.
Van der Hoop Effectenbank N.V.
ING Nederland
Rabobank Nederland
CPB Netherlands Bureau of Economic Analysis
SNS Asset Management
De Friesland Zorgverzekeraar
Municipality of Ameland

Membership

Koninklijke Vereniging voor de Staathuishoudkunde
Royal Economic Society
Econometric Society
International Association for Applied Econometrics
Centre for International Research on Economic Tendency Surveys

Research

Work in progress, under submission or under revision

Abeln, Barend, Jan P.A.M. Jacobs and Machiel Mulder. Seasonal adjustment of daily data.

Boonman, Tjeerd M., J. Paul Elhorst, Jan P.A.M. Jacobs and Zhongbo Jing. Contagion of currency crises.

Čižek, Pavel, Jan P.A.M. Jacobs, Jenny E. Ligthart and Hendrik Vrijburg. GMM Estimation of Fixed Effects Dynamic Panel Data Models with Spatial Lag and Spatial Error.

De Haan, Jakob, Jan P.A.M. Jacobs and Renske Zijm. Coherence of the business cycles of prospective members of the euro area and the euro area business cycle.

Goto, Eiji, Jan P.A.M. Jacobs and Simon van Norden. Data-Driven Learning About Trend Productivity Growth.

Klein Goldewijk, Geertje M., Jan P.A.M. Jacobs and Willem M. Jongman. A millennium of biological standard of living: The Roman Empire.

Jing Tian, Jan P.A.M. Jacobs and Denise Osborn. Multivariate decompositions with correlated innovations.

Xin Tian, Jan P.A.M. Jacobs, and Jakob de Haan. Spillovers of national financial cycles: A dynamic spatial panel data model with common factors

Older working papers

Abeln, Barend, Jan P.A.M. Jacobs and Peter A.G. van Bergeijk. The data fog of COVID-19: HICP, National Accounting, Nowcasting and Seasonal Adjustment during a Pandemic.

Hecq, Alain and Jan P.A.M. Jacobs. On VAR-VECM representations of real-time data.

Jacobs, Jac., Eric van Sonderen, Peter van Ooijen, Jan Jacobs, Thys van der Molen and Robbert Sanderman. The feasibility of x-ray assessment by general practitioners.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden. Modelling Multivariate Data Revisions.

Klein Goldewijk, Geertje and Jan P.A.M. Jacobs. The relation between stature and long bone length in the Roman Empire.

Mink, Mark, Jan Jacobs and Jakob de Haan. Euro area imbalances.

Rozite, Kristiana, Jan P.A.M. Jacobs and Dirk Bezemer. The impact of investor sentiment on business investment.

Zhongbo Jing, Yi Fang, Jan P.A.M. Jacobs and Jakob de Haan. The predictive power of liability- and credit-based indicators for banking crises: Evidence for developing and emerging countries.

Journal articles

Kuipers, S.K., C.M. Andriessen, J.P.A.M. Jacobs and G.H. Kuper (1985). A putty-clay vintage model for sectors of industry in the Netherlands. *De Economist* 133(2), 151–175.

Cesar, H., J. de Haan and J. Jacobs (1990). Monetary targeting in the Netherlands: an application of cointegration tests. *Applied Economics* 22, 1537–1548.

Jacobs, Jan and Maarten Janssen (1990). Coordinating unions, wages and employment. *De Economist* 138(3), 321–339.

Jacobs, Jan and Elmer Sterken (1995a). GUESS: a simulation package for large-scale macroeconometric models. *Kwantitieve Methoden* 16(48), 71–82.

Jacobs, Jan and Elmer Sterken (1995b). The IBS-CCSO quarterly model of the economy of the Netherlands: specification, simulation and analysis. *Economic Modelling* 12(2), 111–163.

Sterken, E., J.P.A.M. Jacobs, G.H. Kuper and S.K. Kuipers (1995). Lagere overheidsschuld, minder economische activiteit? *Economisch Statistische Berichten* 80(4034), 1048–1051.

Jacobs, Jan (1996). Econometrisch conjunctuuronderzoek: zestig jaar later. *Tijdschrift voor Politieke Economie* 19(2), 67–93.

Jacobs, Jan, Peter Groote and Jan-Egbert Sturm (1996). Waren infrastructuur investeringen produktief in Nederland (1850–1913)? *NEHA jaarboek* 59, 238–257.

Jacobs, Jan and Lambert Schoonbeek (1998). Adding-up constraints and gross substitution in portfolio models. *Applied Economics Letters* 5(8), 531–533.

Bors, Ladislav, Jan Jacobs, Gerard H. Kuper and Vladimir Kvetan (1999). The composite leading indicator of the Slovak Republic business Cycle: construction and forecast. *Ekonomický Časopis (Journal of Economics)* 47(1), 3–19.

Groote, Peter, Jan Jacobs and Jan-Egbert Sturm (1999a). Infrastructure and economic development in the Netherlands: 1853-1913. *European Review of Economic History* 2, 233–251.

Groote, Peter, Jan Jacobs and Jan-Egbert Sturm (1999b). Output responses to investment in transport infrastructure in The Netherlands 1853–1913. *Tijdschrift voor Economische en Sociale Geografie* 90(1), 97–109.

Sturm, Jan-Egbert, Jan Jacobs and Peter Groote (1999). Output effects of infrastructure investment in the Netherlands 1853-1913. *Journal of Macroeconomics* 21(2), 355–380.

Jacobs, Jan and Linda Toolsema (2001). Rekenen banken zich rijk? *Economisch Statistische Berichten* 86(4300), 250–252.

Jacobs, Jan and Jan-Pieter Smits (2001). Conjunctuurbewegingen in Nederland gedurende de negentiende eeuw—met een internationale vergelijking. *NEHA jaarboek voor economische, bedrijfs- en techniekgeschiedenis* 64, 178–199.

Jacobs, Jan and Elmer Sterken (2003). De economische gevolgen van de oorlog in Irak. *Economisch Statistische Berichten* 88(4399), 162.

Jacobs, Jan, Gerard H. Kuper and Elmer Sterken (2003). Nobelprijs voor tijdreeksanalyse. *Economisch Statistische Berichten* 88(4416), 494–495.

Jacobs, Jan and Gerard H. Kuper (2004). Voorlopende conjunctuurindices. *Economisch Statistische Berichten* 89(4424), 52–56.

Bonenkamp, Jan, Jan Jacobs and Jan-Pieter Smits (2004). Determinanten van de consumptieve vraag in Nederland, 1815–1913. *Tijdschrift voor Sociale en Economische Geschiedenis* 1(2), 3–20.

Jacobs, Jan and Vincent Tassenaar (2004). Height, income and nutrition in the Netherlands: the second half of the 19th century. *Economics and Human Biology* 2(2), 181–195

Inklaar, Robert, Jan Jacobs and Ward Romp (2004). Business cycle indicators: does a heap of data help? *Journal of Business Cycle Measurement and Analysis* 1(3), 309–336.

Jacobs, Jan P.A.M. and Kenneth F. Wallis (2005). Comparing SVARs and SEMs: two models of the UK economy. *Journal of Applied Econometrics* 20, 209–228.

Jacobs, Jan (2006). Van de zijlijn. Historische Tijdreeksanalyse. *Groniek* 39(171), 215–225.

Hong Bo, Jan Jacobs and Elmer Sterken (2006). A threshold uncertainty investment model for the Netherlands. *Applied Financial Economics* 16(9), 665–673.

Jacobs, Jan P.A.M. and Jan-Pieter Smits (2006). Historical Time Series Analysis: An Introduction and some Applications. *Jahrbuch für Wirtschaftsgeschichte* 2006(2), 163–174.

Toolsema, Linda A. and Jan Jacobs (2007). Why do prices rise faster than they fall? With an application to mortgage rates. *Managerial and Decision Economics* 28(7), 701–712.

Lestano and Jan P.A.M. Jacobs (2007). Dating currency crises with ad hoc and extreme value based thresholds: East Asia 1970-2002. *International Journal of Finance and Economics* 12(4), 371–388.

Zhang, Jianhong, Jan Jacobs and Arjen van Witteloostuijn (2007). Multinational enterprises, foreign direct investment and trade in China: the chain of causality in 1980-2003. *Journal of Asia Business Studies* 2, 48–57.

Jacobs, Jan, Tomek Katzur and Vincent Tassenaar (2008). On estimators for truncated height samples. *Economics and Human Biology* 6(1), 43–56.

Jacobs, J.P.A.M. and P.W. Otter (2008). Determining the number of factors and lag order in dynamic factor models: A minimum entropy approach. *Econometric Reviews. Special Issue on Information and Entropy Econometrics* 27, 385–397.

Jacobs, J.J.W.M., G.T. Noordhoek, J.M.M. Brouwers, P.R. Wielenga, J.P.A.M. Jacobs en A.H. Brandenburg (2008). Kleine kans op lymeborreliose na een tekenbeet op Ameland: onderzoek in een huisartsenpraktijk. *Nederlands Tijdschrift voor Geneeskunde* 152(37), 2022–2026.

Mink, Mark, Jan Jacobs and Jakob de Haan (2008). Synchronisatie van conjunctuurcycli in het eurogebied en de VS. *Economisch Statistische Berichten* 93(4545), 618–619.

Gorter, Janko, Jan Jacobs and Jakob de Haan (2008a). Taylor Rules for the ECB using Consensus Data. *Scandinavian Journal of Economics* 110(3), 473–488.

Gorter, Janko, Jan Jacobs and Jakob de Haan (2008b). Het monetaire beleid van de ECB. *Economisch Statistische Berichten* 93(4536), 333–334.

Jacobs, Jan P.A.M. and Jan-Egbert Sturm (2008). The information content of KOF indicators on Swiss current account data revisions. *Journal of Business Cycle Measurement and Analysis* 4(2), 163–183.

Jacobs, Jan P.A.M., Gerard H. Kuper and Daan P. van Soest (2009). Do higher energy prices lead to more investment? *Applied Economics* 41(27), 3483–3490.

Gorter, Janko, Jan Jacobs and Jakob de Haan (2009a). Negative interest rates for the euro area? *Central Banking Journal* 20(2).

Gorter, Janko, Jan Jacobs and Jakob de Haan (2009b). De Europese rente volgens Taylorregelmodellen. *Economisch Statistische Berichten* 94(4574), 749–750.

Jacobs, Jan P.A.M., Jenny E. Ligthart and Hendrik Vrijburg (2010). Commodity Tax Competition Among Governments: Evidence From US States. *International Tax and Public Finance* 17(3), 271–294.

Jacobs, Jan P.A.M. and Kenneth F. Wallis (2010). Cointegration, long-run structural modelling and weak exogeneity: Two models of the UK economy. *Journal of Econometrics* 158, 108–116.

Jacobs, Jan P.A.M. and Simon van Norden (2011). Modeling Data Revisions: Measurement Error and Dynamics of "True" Values. *Journal of Econometrics* 161, 101–109.

Groeneveld, Henk, Jan P.A.M. Jacobs and P.G. Vincent Tassenaar (2011). In Memoriam J.C. (Hans) van Wieringen 1926–2010. *Economics and Human Biology* 9, 452.

Bouwman, Kees E. and Jan P.A.M. Jacobs (2011). Forecasting with real-time macroeconomic data: the ragged-edge problem and revisions. *Journal of Macroeconomics* 33, 784–792.

Jacobs, Jan and Gerard Kuper (2011). Nobelprijs voor empirische macroeconomie: Thomas J. Sargent en Christopher A. Sims. *Economisch Statistische Berichten* 96(4622), 666–669.

Jacobs, Jan P.A.M., Pieter W. Otter and Ard H.J. den Reijer (2012). Information, data dimension and factor structure. *Journal of Multivariate Analysis* 106, 80–91.

Mink, Mark, Jan P.A.M. Jacobs and Jakob de Haan (2012). Measuring Coherence of Output Gaps with an Application to the Euro Area. *Oxford Economic Papers*, 64, 217–236.

Boone, Christophe, Aleid Brouwer, Jan Jacobs, Arjen van Witteloostuijn and Matthijs de Zwaan (2012). Religious pluralism and organizational diversity: an empirical test for the city of Zwolle, the Netherlands, 1851–1914. *Sociology of Religion*, 73, 150–173.

Jacobs, Jac. J.W.M., Jan P.A.M. Jacobs, Doede Wiersma and Robbert Sanderman (2013). Teleradiologie in de huisartsenpraktijk op Ameland: Een kosten-batenanalyse. *Nederlands Tijdschrift voor Geneeskunde* 156:A5428.

Dungey, Mardi, Jan P.A.M. Jacobs, Jing Tian and Simon van Norden (2013). On the correspondence between data revision and trend-cycle decomposition. *Applied Economics Letters*, 20, 316–319.

Gorter, Janko, Fauve Stolwijk, Jan Jacobs and Jakob de Haan (2014). ECB Policy-Making and the Financial Crisis. *International Journal of Finance and Economics*, 19, 132–139.

Jing, Zhongbo, Jakob de Haan, Jan Jacobs and Haizhen Yang (2015). Identifying banking crises using money market pressure: New evidence for a large set of countries. *Journal of Macroeconomics*, 43, 1–20.

Dungey, Mardi, Jan P.A.M. Jacobs and Lestano (2015). The internationalisation of financial crises: banking and currency crises 1883–2008. *North American Journal of Economics and Finance*, 32, 29–47.

Jacobs, Jac. J.W.M., Jan P.A.M. Jacobs, Eric van Sonderen, Thys van der Molen and Robbert Sanderman (2015). Fracture diagnostics, unnecessary travel and treatment: A comparative study before and after the introduction of teleradiology in a remote general practice. *BMC Family Practice*, 16:53.

Dungey, Mardi, Jan P.A.M. Jacobs, Jing Tian and Simon van Norden (2015). Trend in Cycle or Cycle in Trend? New Structural Identifications for Unobserved Components Models of U.S. Real GDP. *Macroeconomic Dynamics*, 19, 776-790.

Vols, Michel, Vincent Tassenaar and Jan Jacobs (2015). Anti-social behaviour and European protection against eviction: An analysis of Dutch case law based on statistics. *International Journal of Law in the Built Environment*, 7(2), 148–161.

Pool, Sebastiaan, Leo de Haan and Jan P.A.M. Jacobs (2015). Loan loss provisioning, bank credit and the real economy. *Journal of Macroeconomics*, 45, 124–136.

Boonman, Tjeerd M., Jan P.A.M. Jacobs and Gerard H. Kuper (2015). Sovereign Debt Crises in Latin America: A Market Pressure Approach. *Emerging Markets Finance and Trade*, 51 Supplement 6, S80–S93.

Jacobs, Jac., Rianne Ekkelboom, Jan Jacobs, Thys van der Molen and Robbert Sanderman (2016). Patient Satisfaction with a Teleradiology Service in General Practice. *BMC Family Practice*, 17:17.

Jacobs, Jan P.A.M. and Simon van Norden (2016). Why are Initial Estimates of Productivity Growth so Unreliable? *Journal of Macroeconomics*, 47, 200-213.

Elhorst, J. Paul, Pim Heijnen, Anna Samarina and Jan P.A.M. Jacobs (2017). Transitions at different moments in time: a spatial probit approach. *Journal of Applied Econometrics*, 32, 422-439.

Dungey, Mardi, Jan P.A.M. Jacobs and Jing Tian (2017). Forecasting output gaps in the G-7 countries: the role of correlated innovations and structural breaks. *Applied Economics*, 49, 4554-4566.

Elkhuizen, Luuk, Niels Hermes, Jan Jacobs and Aljar Meesters (2018). Financial development, financial liberalization and social capital. *Applied Economics*, 50, 1268-1288.

Jing, Zhongbo, J. Paul Elhorst, Jan P.A.M. Jacobs, and Jakob de Haan (2018). Financial turbulence: interdependence, spillovers, and direct and indirect effects. *Empirical Economics*, 55, 169-192.

Abeln, Barend, Jan P.A.M. Jacobs and Pim Ouwehand (2019). CAMPLET: Seasonal adjustment without revisions. *Journal of Business Cycle Research*, 15, 73-95.

Hecq, Alain, Jan P.A.M. Jacobs and Michalis P. Stamatogiannis (2019). Testing for news and noise in non-stationary time series subject to multiple revisions. *Journal of Macroeconomics*, 60, 396-407.

Abeln, B. and Jan P.A.M. Jacobs (2019). BBP-groei van gisteren kan morgen alsnog tegenvallen. *Economisch Statistische Berichten*, 104(4778), 481.

Jongman, Willem M., Jan P.A.M. Jacobs and Geertje M. Klein Goldewijk (2019). Health and Wealth in the Roman Empire. *Economics and Human Biology*, 34, 138-150.

Boonman, Tjeerd M., Jan P.A.M. Jacobs, Gerard H. Kuper and Alberto Romero (2019). Early Warning Systems for Currency Crises with Real-Time Data. *Open Economies Review* 30, 813-835.

Hindrayanto, Irma, Jan P.A.M. Jacobs, Denise R. Osborn and Jing Tian (2019). Trend-cycle-seasonal interactions: identification and estimation. *Macroeconomic Dynamics* 23, 3163-3188.

Rozite, Kristiana, Dirk J. Bezemer and Jan P.A.M. Jacobs (2019). Towards a financial cycle for the US, 1973-2014. *North American Journal of Economics and Finance* 50, 101023.

Jacobs, Jan, Kazuo Ogawa, Elmer Sterken and Ichiro Tokutsu (2020). Public Debt, Economic Growth and the Real Interest Rate: A Panel VAR Approach to EU and OECD Countries. *Applied Economics*, 52, 1377-1394.

Panjer, Nikki, Leo de Haan and Jan P.A.M. Jacobs (2020). Is fiscal policy in the euro area Ricardian? *Empirica* 47, 411-429.

Abeln, Barend and Jan P.A.M. Jacobs (2021). Duiding krimp als record is voorbarig door coronacorrecties CBS. *Economisch Statistische Berichten* 106(4796).

den Reijer, Ard H.J., Jan P.A.M. Jacobs and Pieter W. Otter (2021). A criterion for the number of factors. *Communications in Statistics - Theory and Methods*, 50, 4293–4299.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2022). Can *GDP* measurement be further improved? Data revision and reconciliation. *Journal of Business Economics & Statistics*, 40, 423-431.

Abeln, Barend and Jan P.A.M. Jacobs (2022). COVID-19 and Seasonal Adjustment. *Journal of Business Cycle Research*, 18, 159-169.

Can Xu, Jan P.A.M. Jacobs and Jakob de Haan (2023). Does household borrowing reduce the trade balance? Evidence from developing and developed countries. *Open Economies Review.* https://doi.org/10.1007/s11079-023-09713-w

Lugalla, Irene Mkini, Jan P.A.M. Jacobs and Wim Westerman (2023). What drives women entrepreneurs in tourism in Tanzania? *Journal of African Business.* https://doi.org/10.1080/15228916.2023.2168970

De Haan, Jakob, Jan P.A.M. Jacobs and Renske Zijm (2023). Coherence of output gaps in the euro area: The impact of the COVID-19 shock. *European Journal of Political Economy.* https://doi.org/10.1016/j.ejpoleco.2023.102369

Goto, Eiji, Jan P.A.M. Jacobs, Tara M. Sinclair and Simon van Norden (2023). Employment Reconciliation and Nowcasting. *Journal of Applied Econometrics.* https://doi.org/10.1002/jae.2995

Xin Tian, Jan P.A.M. Jacobs, and Jakob de Haan (2023). Alternative Measures for the Global Financial Cycle: Do They Make a Difference? *International Journal of Finance and Economics*. https://doi.org/10.1002/ijfe.2884

Den Reijer, Ard H.J., Pieter W. Otter and Jan P.A.M. Jacobs. A scree plot criterion for the number of factors (2023). *Statistical Papers* forthcoming.

Books

Sterken, E., J.P.A.M. Jacobs, B.W.A. Jongbloed and N.S. Kroonenberg (1991). *The IBS-CCSO quarterly econometric model of the Dutch economy*. Institutional Brokerage Services nv, Amsterdam.

Jacobs, J.P.A.M. and E. Sterken (1993). *The IBS-CCSO quarterly econometric model of the Dutch economy*. Institutional Brokerage Services nv, Amsterdam [version 1993].

Jacobs, J.P.A.M. (1998a). *Econometric Business Cycle Research with an Application to the Netherlands*. PhD thesis, University of Groningen, Groningen.

Jacobs, Jan (1998b). *Econometric Business Cycle Research*. Kluwer Academic Publishers, Boston/Dordrecht/London .

Abeln, Barend and Jan P.A.M Jacobs (2023). *Seasonal Adjustment without Revisions: A Real-Time Approach*, SpringerBriefs in Economics, Springer Cham, doi.org/10.1007/978-3-031-22845-2.

Contributions to books

Jacobs, Jan and Albert van der Horst (1997). VAR-ing the economy of the Netherlands: a comparison with the IBS-CCSO model. In W. Welfe and P. Wdodiński, editors (1997), *Macromodels'96 on integration and development: Proceedings of the conference Vol. II*, University of Łódź, Łódź, Poland, 221–251.

Jacobs, Jan and Jan Kakes (2001). Credit demand asymmetry in the Netherlands 1983–1997. In Gerard H. Kuper, Elmer Sterken and Els Wester, editors, *Coordination and Growth: Essays in Honour of Simon Kuipers*, Kluwer Academic Publishers, Boston/Dordrecht/London, Chapter 12, 199–215.

Jacobs, Jan, Gerard H. Kuper and Elmer Sterken (2003a). Macro models as workhorses. In J.J. Graafland and A. Ros, editors, *Economic Assessment of Election Programs: Does it Make Sense?*, Kluwer Academic Publishers, Dordrecht, 45–59.

Jacobs, Jan and Jan-Egbert Sturm (2004). Do ifo indicators help explain revisions in German industrial production? In Jan-Egbert Sturm and Timo Wollmershäuser, editors, *Ifo Survey Data in Business Cycle and Monetary Policy Analysis*, Physica Verlag, Heidelberg, 93–114.

Jacobs, Jan P.A.M., Gerard H. Kuper and Lestano (2005). Financial crisis identification: A survey. In M. Dungey and D.N. Tambakis, editors, *International Financial Contagion: A Reader*, Oxford University Press, New York, 86–110.

Jacobs, J.P.A.M., G.H. Kuper and Lestano (2008). Currency crises in Asia: A multivariate logit approach. In S.-J. Kim and M. McKenzie, editors, Asia Pacific Financial Markets: Integration, Innovation and Challenges, International Finance Review, Vol. 8, Elsevier, 157–173.

Jacobs, J.P.A.M. and Simon van Norden (2008). Modeling Data Revisions: Measurement Error and Dynamics of "True" Values. 2007 Proceedings of the American Statistical Association, Statistical Computing Section [CD-ROM], Alexandria, VA: American Statistical Association.

Boonman, Tjeerd M., Jan P.A.M. Jacobs and Gerard H. Kuper (2014). Currency crises in Mexico 1990–2009: An Early Warning System Approach. In Semei Coronado-Ramírez, Pedro Luis Celso-Arellano and Carlos O. Trejo-Pech, editors, Nonlinear Time Series and Finance, University of Guadalajara, Chapter 2, 34–51.

Vols, M. and J.P.A.M. Jacobs (2016). Juristen als rekenmeesters: Over de kwantitatieve analyse van jurisprudentie. In P. A. J. van den Berg, & G. Molier (Eds.), In dienst van het recht: Brouwerbundel. Boom Juridische uitgevers, Den Haag, 89–104.

Reviews

Brouwer, Jan and Jan Jacobs (1985). Review of H.E. Chin, *Natuurlijke hulpbronnen en economische ontwikkeling in wereldeconomisch perspectief. Internationale Spectator* 6, 251–352.

Brouwer, Jan and Jan Jacobs (1987). Review of G. van Roon, *Derde Wereld en depressie. Transaktie*, 1, 103–106.

Horst, Tim and Jan Jacobs (1989). Review of G.D. Rudebusch, *The estimation of macroeconomic disequilibrium models with regime classification information. De Economist* 137(1), 109–111.

Jacobs, Jan and Gerard H. Kuper (1994). Review of Central Planning Bureau, *FKSEC: a macro-econometric model for the Netherlands. De Economist* 142(4), 524–526.

Jacobs, Jan (1998). Review of C. Gourieroux and A. Monfort, *Time series and dynamic models. De Economist* 146(4), 646–647.

Jacobs, Jan P.A.M. (2008). Review of Katarina Juselius, *The Cointegrated VAR Approach: Methodology and Applications*, and Anthony Garratt, Kevin Lee, M. Hashem Pesaran, and Yongcheol Shin, *Global and National Macroeconometric Modelling: A Long-Run Structural Approach. De Economist* 156, 215–217.

Other publications

Jacobs, Jan and Ronald Stoffelsma (1992). Hoe lang ploegt de boer nog voort? *De Volkskrant.*

Jacobs, Jan and Jan-Egbert Sturm (1996a). Zijn Scientific Word and TeX uitwisselbaar? *MAPS* 16, 74–75.

Jacobs, Jan and Jan-Egbert Sturm (1996b). Exchanging documents between Scientific Word and LaTeX[4]. *TCI Technical Articles* (`http://www.thomson.com/tcisoft/articles.html`).

Jacobs, Jan (1998). Econometrisch conjunctuuronderzoek. *Economenblad*, 20(4).

Jacobs, Jan (2003). Conjunctuur en oorlog. *Economisch Magazine*, April 2003.

Jacobs, Jan (2006). Het boek dat iedere econoom zou moeten lezen. *Juglar*, Februari 2006.

Jacobs, Jan, Xuejun Fan and Robert Lensink (2006). Financial development and economic growth in China, 1992–2004. *AENORM*, **14**(54),4–9.

Pieśla, Tomasz J. and Jan P.A.M. Jacobs (2010). Valutacrises in Centraal- en Oost-Europa: Werkt een Waarschuwingssysteem? *FSA Fiducie* 17, 20–25.

Groeneveld, Henk, Jan Jacobs en Vincent Tassenaar (2010). In memoriam Hans van Wieringen. *Ja! Jeugdgezondheidszorg Actueel!* 20, 3.

Jacobs, Jan (2011). Oorzaak & gevolg in de empirische macro economie, het vak van de Nobelprijswinnaars. *FEBlog* Oktober 2011 (`http://ber03.housing.rug.nl/FEBlog/?p=573`).

Heijdra, Ben en Jan Jacobs (2012). In memoriam Jenny E. Ligthart. *FEB Research* Fall'12, 3.

Jacobs, Jan P.A.M. en Els Wester (2014). Over het weekloon van Teulings. `http://lexhoogduin.com/articles`

Jan P.A.M. en Tim H. Horst (2021). Kaag MP, exit Rutte, LinkedIn, March.

Jacobs, Jan P.A.M. (2021a). CDA: Quo Vadis? LinkedIn, March.

Jacobs, Jan P.A.M. (2021b). Twee decennia Conjunctuurdag. MeJudice, August.

Jacobs, Jan W.J. and Jan P.A.M. (2022a). Boeren, Burgers, Banken en Politici: Ze hebben Allemaal Boter op hun Hoofd. LinkedIn, July.

Jacobs, Jan W.J. and Jan P.A.M. (2022b). De rijkslandbouwconsulenten moeten terug komen! LinkedIn, July; Brabants Dagblad donderdag 28 juli; De Gelderlander donderdag 4 augustus.

Jacobs, Jan W.J. and Jan P.A.M. (2022c). Een stip op de horizon: Faire prijzen als oplossing uit de crises. LinkedIn, August.

Working papers

Kuipers, S.K., A.H. van Zon and J.P.A.M. Jacobs (1983). De vertraging van de groei van de gemiddelde arbeidsproduktiviteit in Nederland (1963–1980): van langdurige of slechts tijdelijke aard? *Research Memorandum Nr.* 143, Institute of Economic Research, Faculty of Economics, University of Groningen, Groningen.

Kuipers, S.K., C.M. Andriessen, J.P.A.M. Jacobs and G.H. Kuper (1984). Een *putty-clay* bouwjaarmodel voor sectoren van de Nederlandse economie. *Research Memorandum Nr.* 163, Institute of Economic Research, Faculty of Economics, University of Groningen, Groningen.

Jacobs, Jan and Maarten Janssen (1989). Coordinating unions, wages and employment. *Research Memorandum Nr.* 304, Institute of Economic Research, Faculty of Economics, University of Groningen, Groningen.

Cesar, Herman, Jakob de Haan and Jan Jacobs (1989). Monetary targeting in the Netherlands: an application of cointegration tests. *Research Memorandum Nr.* 306, Institute of Economic Research, Faculty of Economics, University of Groningen, Groningen.

Jacobs, J.P.A.M., N.S. Kroonenberg and T.J. Wansbeek (1989). Dividing by 4: an efficient algorithm for the optimal disaggregation of annual data into quarterly data. *CCSO Series Nr.* 7, Center for Cyclical and Structural Research, Groningen.

Jacobs, J.P.A.M., B. Jongbloed, N.S. Kroonenberg, E. Sterken, H. ter Beek and B. Visser (1991). The database of the IBS-CCSO model of the Dutch economy. *CCSO Series Nr.* 12, Center for Cyclical and Structural Research, Groningen.

Jacobs, J.P.A.M, N.S. Kroonenberg and E. Sterken (1993a). The IBS-CCSO model: a quarterly econometric model of the Netherlands; the monetary submodel. *CCSO Series Nr.* 16, Center for Cyclical and Structural Research, Groningen.

Jacobs, J.P.A.M, N.S. Kroonenberg and E. Sterken (1993b). The database of the IBS-CCSO model, version 1993. *CCSO Series Nr.* 17, Center for Cyclical and Structural Research, Groningen.

Jacobs, Jan (1994). Dividing by 4: a feasible quarterly forecasting method? *CCSO Series Nr.* 22, Center for Cyclical and Structural Research, Groningen.

Jacobs, Jan and Elmer Sterken (1994). Quality control in macroeconometric forecasting. *SOM Series Nr.* 94432, University of Groningen, Groningen.

Groote, Peter, Jan Jacobs and Jan-Egbert Sturm (1995). Output responses to infrastructure investment in The Netherlands, 1853–1913. *Research Memorandum Nr.* GD-24, Groningen Growth and Development Centre, Groningen.

Sturm, Jan-Egbert, Jan Jacobs and Peter Groote (1995). Productivity impacts of infrastructure investment in The Netherlands 1853–1913. *SOM Series Nr.* 95D30, University of Groningen, Groningen.

Jacobs, Jan and Lambert Schoonbeek (1995). Adding-up constraints and gross substitution in portfolio models. *SOM Series Nr.* 95C19, University of Groningen, Groningen.

Horst, Albert van der, Jan Jacobs and Bert Schoonbeek (1996). Is there a NAIRU for the Netherlands?. *CCSO Series Nr.* 28, Center for Cyclical and Structural Research, Groningen.

Jacobs, Jan and Albert van der Horst (1996). VAR-ing the economy of the Netherlands. *CCSO Series Nr.* 24, Center for Cyclical and Structural Research, Groningen.

Jacobs, Jan, Simon Kuipers, Gerard Kuper and Elmer Sterken (1996). DIADUX, een model voor inactiviteit en overheidsschuld. *CCSO Series Nr.* 27, Center for Cyclical and Structural Research, Groningen.

Jacobs, Jan, Jan-Egbert Sturm and Peter Groote (1996). Data constructors and data users can cooperate: an illustrative case study. *SOM Series Nr.* 96C30, University of Groningen, Groningen.

Sterken, Elmer and Jan Jacobs (1996). Macroeconomics and Datastream. *CCSO Series Nr.* 30, Center for Cyclical and Structural Research, Groningen.

Jacobs, Jan, Roelof Salomons and Elmer Sterken (1997). The CCSO composite leading indicator of the Netherlands: construction, forecasts and comparison. *CCSO Series Nr.* 31, Center for Cyclical and Structural Research, Groningen.

Kakes, Jan, Jan Jacobs and Hans van Ees (1998). Monetary policy in the Netherlands: a structural VARX approach. *CCSO Series Nr.* 32, Center for Cyclical and Structural Research, Groningen.

Jacobs, Jan, Jan-Egbert Sturm and Peter Groote (1999). Data constructors and data users can cooperate: an illustrative case study. *National Accounts Occasional Paper* NA-089, Statistics Netherlands, Heerlen.

Jacobs, Jan and Jan Kakes (2000). Credit demand asymmetry in the Netherlands, 1983–1997. De Nederlandsche Bank, *MEB Series no. 2000-11*, Amsterdam.

Soest, Daan P. van, Jan Jacobs and Gerard H. Kuper (2000). Threshold effects of energy price changes. *CCSO Working Paper*, **2**(2); *Research Report*, No. 00C31, Research School Systems, Organisation and Management, University of Groningen, Groningen.

Bonenkamp, Jan, Jan Jacobs and Gerard H. Kuper (2001). Measuring business cycles in the Netherlands, 1815-1913: a comparison of business cycle dating methods. *SOM Research Report*, No. 01C25, Systems, Organisations and Management, Groningen.

Toolsema, Linda A. and Jan Jacobs (2001). Why do prices rise faster than they fall? With an application to mortgage rates. *CCSO Working Paper*, **3**(2).

Jacobs, Jan and Jan-Pieter Smits (2001b). Business cycles in the Netherlands: 1815-1913. *CCSO Working Paper*, **3**(3).

Jacobs, Jan and Jan-Pieter Smits (2001c). Business cycles in the Netherlands, 1815-1913. *SOM Research Report*, No. 01C52, Systems, Organisations and Management, Groningen.

Jacobs, Jan and Kenneth F. Wallis (2002). Comparing SVARs and SEMs: More Shocking Stories. *SOM Research Report*, No. 02C56, Systems, Organisations and Management, Groningen.

Jacobs, Jan and Vincent Tassenaar (2002). Height, income, nutrition, and smallpox in the Netherlands: the (second half of the) 19th century. *CCSO Working Paper* #2002/18.

Jacobs, Jan and Vincent Tassenaar (2003). Height, income and nutrition in the Netherlands: the second half of the 19th century. *SOM Research Report*, 03C35, Systems, Organisations and Management, Groningen.

Inklaar, Robert C., Jan P.A.M Jacobs and Ward Romp (2003). Business cycle indicators: does a heap of data help? *CCSO Working Paper* #2003/12.

Lestano, Jan Jacobs and Gerard H. Kuper (2003). Indicators of financial crises do work! An early warning system for six Asian countries. *CCSO Working Paper* #2003/13.

Jacobs, J.P.A.M. and J.-E. Sturm (2004). Do ifo indicators help explain revisions in German industrial production? *CESifo Working Paper* No. 1205.

Jacobs, Jan, Tomek Katzur, and Vincent Tassenaar (2004). On the efficiency of estimators in truncated height samples. *CCSO Working Paper* #2004/08.

Lestano and Jan Jacobs (2004). A comparison of currency crisis dating methods: East Asia 1970-2002. CCSO Working Paper #2004/12.

Jianhong Zhang, Jan Jacobs, and Arjen van Witteloostuijn (2004). Multinational enterprises, foreign direct investment and trade in China: A cointegration and Granger-causality approach. *CCSO Working Paper* #2004/13.

Jacobs, J.P.A.M., Koning, R.H., and Sterken, E. (2004). Full Prepayment of Mortgages: The Case of WU.

Bouwman, Kees E. and Jan P.A.M. Jacobs (2005). Forecasting with real-time macroeconomic data: the ragged-edge problem and revisions. *CCSO Working Paper* #2005/5.

Jacobs, Jan, Gerard H. Kuper and Lestano (2005). Currency crises in Asia: a multivariate logit approach. *CCSO Working Paper* #2005/6.

Bonenkamp, Jan, Jan Jacobs and Jan-Pieter Smits (2005). Consumer demand in the Industrial Revolution: the Netherlands, 1815-1913. *CCSO Working Paper* #2005/7.

Dungey, Mardi, Jan Jacobs and Lestano (2005). Synchronisation of financial crises. *CAMA Working Paper* 19/2005.

Xuejun Fan, Jan Jacobs and Robert Lensink (2005). Chicken or Egg: Financial Development and Economic Growth in China, 1992-2004. *CCSO Working Paper* #2005/9.

Otter, Pieter W. and Jan P.A.M. Jacobs (2006). On information in static and dynamic factor models. *CCSO Working Paper* #2006/5.

Jacobs Jan P.A.M. and Simon van Norden (2006). Modeling Data Revisions: Measurement Error and Dynamics of "True" Values. *CCSO Working Paper* #2006/7.

Jacobs, Jan P.A.M., Gerard H. Kuper and Johan Verlinden (2007). Monetary policy in the euro area: the impact of fiscal closure rules. *IEE Working Paper* #2007/01.

Jacobs Jan P.A.M. and Simon van Norden (2007). Modeling Data Revisions: Measurement Error and Dynamics of "True" Values. *Cahiers de CREF* 07-09, HEC Montréal.

Jacobs, Jan P.A.M. and Kenneth F. Wallis (2007). Cointegration, Long-Run Structural Modelling and Weak Exogeneity: Two Models of the UK Economy. *CAMA Working Paper* 12/2007.

Mark Mink, Jan P.A.M. Jacobs and Jakob de Haan (2007). Measuring Synchronicity and Co-movement of Business Cycles with an Application to the Euro Area. *CAMA Working Paper* 19/2007, Centre for Applied Macroeconomic Analysis, Australian National University; *CESifo Working Paper* No. 2122, Ifo Institute for Economic Research, Munich.

Jacobs, Jan P.A.M., Pieter W. Otter and Ard den Reijer (2007). Information, data dimension, and factor structure. *DNB Working Paper* No. 150, De Nederlandsche Bank, Amsterdam.

Gorter, Janko, Jan Jacobs and Jakob de Haan (2007). Taylor Rules for the ECB using Consensus Data. *DNB Working Paper* No. 160, De Nederlandsche Bank, Amsterdam.

Jacobs, Jan, Jenny Ligthart and Hendrik Vrijburg (2007). Commodity Tax Competition Among Governments: Evidence From US States. *Research Report* 07008, University of Groningen, Research Institute SOM (Systems, Organisations and Management).

Jacobs, Jan and Jan-Egbert Sturm (2008). The information content of KOF indicators on Swiss current account data revisions. *KOF Working Paper* No. 202, KOF Swiss Economic Institute, Zuerich; *CESifo Working Paper* No.2370, Ifo Institute for Economic Research, Munich.

Boone, Christophe, Aleid Brouwer, Jan Jacobs and Arjen van Witteloosduijn (2009). Religious pluralism and organizational diversity: an empirical test for the city of Zwolle, the Netherlands, 1851-1914. *Research Paper* 2009-003, ACED 2009-002, Faculty of Applied Economics, University of Antwerp.

Jacobs, Jan P.A.M., Jenny E. Ligthart and Hendrik Vrijburg (2009). Dynamic panel data models featuring spatially correlated errors and endogenous interaction. CentER Discussion Paper No. 2009-92. International Studies Program Working Paper Series, at AYSPS, GSU paper0915, International Studies Program, Andrew Young School of Policy Studies, Georgia State University.

Hecq, Alain and Jan P.A.M. Jacobs (2009). On VAR-VECM representations of real-time data. Mimeo, University of Maastricht.

Dungey, Mardi, Jan P.A.M. Jacobs and Lestano (2010a). Financial crises in Asia: concordance by asset market or country? *University of Tasmania Paper* 2010-12.

Dungey, Mardi, Jan P.A.M. Jacobs and Lestano (2010b). The internationalisation of financial crises: Banking and currency crises 1883–2008. *SOM Research Report* 10002-EEF, University of Groningen.

Gorter, Janko, Fauve Stolwijk, Jan Jacobs and Jakob de Haan (2010). ECB Policy-Making and the Financial Crisis. *DNB Working Paper* No. 272, De Nederlandsche Bank, Amsterdam.

Jacobs, Jan P.A.M. and Simon van Norden (2010). Lessons from the latest data on U.S. productivity. *CAMA Working Paper* 33/2010, Centre for Applied Macroeconomic Analysis, Australian National University; *Working Paper 11-1*, Federal Reserve Bank of Philadelphia; Working Paper 2010s-46, CIRANO, Montréal.

Jacobs, Jan P.A.M., Pieter W. Otter and Ard den Reijer (2011). Information, data dimension, and factor structure. Centre for Applied Macroeconomic Analysis, Australian National University; *Working Paper* 15/2011.

Boonman, Tjeerd M., Jan P.A.M. Jacobs and Gerard H. Kuper (2011). Why didn't the Global Financial Crisis hit Latin America? *Working Paper* 2011s-63, CIRANO, Montréal.

Čížek, Pavel, Jan Jacobs, Jenny Ligthart and Hendrik Vrijburg (2011). GMM estimation of fixed effects dynamic panel data models with spatial lag and spatial error. *CentER Discussion Paper* No. 2011-134. Tilburg University.

Dungey, Mardi, Jan P.A.M. Jacobs, Jing Tian and Simon van Norden (2012a). On the correspondence between data revision and trend-cycle decomposition. *Working Paper* 16/2012, Centre for Applied Macroeconomic Analysis, Australian National University; *Discussion Paper* 2012-01, Tasmanian School of Business and Economics, University of Tasmania.

Boonman, Tjeerd M., Jan P.A.M. Jacobs and Gerard H. Kuper (2012). The Global Financial Crisis and currency crises in Latin America. *SOM Research Report* 12005-EEF, University of Groningen.

Dungey, Mardi, Jan P.A.M. Jacobs, Jing Tian and Simon van Norden (2012b). On Trend-Cycle Decomposition and Data Revision. *SOM Research Report* 12009-EEF, University of Groningen.

Klein Goldewijk, Geertje and Jan P.A.M. Jacobs (2013). The relation between stature and long bone length in the Roman Empire. *SOM Research Report* 13002-EEF, University of Groningen.

Dungey, Mardi, Jan P.A.M. Jacobs, Jing Tian and Simon van Norden (2013). Trend-Cycle Decomposition: Implications from an Exact Structural Identification. *Working Paper* 13-22, Federal Reserve Bank of Philadelphia; *Working Paper* 2013s-23, CIRANO, Montréal.

Elhorst, J. Paul, Pim Heijnen, Anna Samarina and Jan P.A.M. Jacobs (2013). State transfers at different moments in time: a spatial probit approach. *SOM Research Report* 13006-EEF, University of Groningen.

He, Xiaoli, Jan P.A.M. Jacobs, Gerard H. Kuper and Jenny E. Ligthart (2013). On the impact of the Global Financial Crisis on the euro area. *SOM Research Report* 13011-EEF, University of Groningen; *Discussion Paper* 2013-11, Tasmanian School of Business and Economics, University of Tasmania.

Hall, Tony, Jan Jacobs and Adrian Pagan (2013). Macroeconomic system modelling @ 75. *CAMA Working Paper* 67/2013, Centre for Applied Macroeconomic Analysis, Australian National University; *NCER Working Paper* 95, National Centre for Econometric Research, Singapore.

Jing, Zhongbo, Jakob de Haan, Jan Jacobs and Haizhen Yang (2013). Identifying Banking Crises Using Money Market Pressure: New Evidence For A Large Set of Countries. *DNB Working Paper* 397, De Nederlandsche Bank, Amsterdam; *Working Paper* 2013-s41, CIRANO, Montréal.

Boonman, Tjeerd M., Jan P.A.M. Jacobs and Gerard H. Kuper (2013). Sovereign Debt Crises in Latin America: A Market Pressure Approach. *SOM Research Report* 13016-EEF, University of Groningen.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2013). Modelling Multivariate Data Revisions. *Working Paper* 2013-s44, CIRANO, Montréal.

Otter, Pieter W., Jan P.A.M. Jacobs and Ard H.J. den Reijer (2014). A criterion for the number of factors in a data-rich environment. *SOM Research Report* 14008-EEF, University of Groningen.

Hindrayanto, Irma, Jan P.A.M. Jacobs and Denise R. Osborn (2014). On trend-cycle-seasonal interaction. *DNB Working Paper* No. 417, De Nederlandsche Bank, Amsterdam.

Pool, Sebastiaan, Leo de Haan and Jan P.A.M. Jacobs (2014). Loan loss provisioning, bank credit and the real economy. *DNB Working Paper* No. 445, De Nederlandsche Bank, Amsterdam.

Čížek, Pavel, Jan Jacobs, Jenny Ligthart and Hendrik Vrijburg (2015). GMM estimation of fixed effects dynamic panel data models with spatial lag and spatial error. *CentER Discussion Paper* No. 2015-003 (Revised version of CentER DP 2011-134). Tilburg University.

Abeln, Barend and Jan P.A.M. Jacobs (2015). Seasonal Adjustment with and without revisions: A comparison of X-13ARIMA-SEATS and CAMPLET. *CAMA Working Paper* 25/2015, Centre for Applied Macroeconomic Analysis, Australian National University; *Working Paper* 2015-s35, CIRANO, Montréal.

Hecq, Alain, Jan P.A.M. Jacobs and Michalis P. Stamatogiannis (2016). Testing for news and noise in non-stationary time series subject to multiple revisions. *Working Paper* 2016-s01, CIRANO, Montréal; *Research Memorandum* RM/16/004, University of Maastricht.

Rozite, K., Bezemer, D. J., and Jacobs, J. P. A. M. (2016). Towards a financial cycle for the US, 1973-2014. *SOM Research Report* 16013-GEM. University of Groningen.

Elkhuizen, Luuk, Niels Hermes and Jan Jacobs (2016). Financial development, financial liberalization and social capital. *SOM Research Report* 16021-EEF, University of Groningen.

Mink, Mark, Jan Jacobs and Jakob de Haan (2016). Euro area imbalances. *DNB Working Paper* No. 540, De Nederlandsche Bank, Amsterdam; *CESifo Working Paper* no. 6291.

Dungey, Mardi, Jan P.A.M. Jacobs and Jing Tian (2016). Forecasting output gaps in the G-7 countries: the role of correlated innovations and structural breaks. *Discussion Paper Series* Nr 2016-04. Tasmanian School of Business and Economics, University of Tasmania.

Vols, M. and J.P.A.M. Jacobs (2016). Juristen als rekenmeesters: Over de kwantitatieve analyse van jurisprudentie. Working paper Openbare Orde en Recht.
`http://www.openbareorderecht.nl/wp-content/uploads/2016/12/Working-paper-Juristen-als-rekenmeesters-Vols-Jacobs-2016.pdf`

Boonman, Tjeerd M., Jan P.A.M. Jacobs, Gerard H. Kuper and Alberto Romero Aranda (2017). Early warning systems for currency crises with real-time data. *Working Paper* 2017-16, Banco de México, Mexico City; *Working Paper* 2017-s18, CIRANO, Montréal.

Panjer, Nikki, Leo de Haan and Jan P.A.M. Jacobs (2017). Is fiscal policy in the euro area Ricardian? *DNB Working Paper* No. 562, De Nederlandsche Bank, Amsterdam

Hindrayanto, Irma, Jan P.A.M. Jacobs, Denise R. Osborn and Jing Tian (2017). Trend-cycle-seasonal interactions: identification and estimation. *CAMA Working Paper* 57/2017, Centre for Applied Macroeconomic Analysis, Australian National University.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2018). Can *GDP* measurement be further improved? Data revision and reconciliation. Papers 1808.04970, arXiv.org; ESCoE Discussion Paper 2018-15.

Lugalla, Irene Mkini, Jan Jacobs and Wim Westerman (2019). Drivers of women entrepreneurs in tourism in Tanzania: capital, goal setting and business growth. *SOM Research Report* 2019001-EEF, University of Groningen.

Abeln, Barend and Jan P.A.M. Jacobs (2021). COVID19 and Seasonal Adjustment. *Working Paper* 2021-s5, CIRANO, Montréal; *CAMA Working Paper* 23/2021, Centre for Applied Macroeconomic Analysis, Australian National University.

Rozite, K., Bezemer, D. J., and Jacobs, J. P. A. M. (2021). Investor Sentiment and Business Investment. *SOM Research Report* 2021005-EEF, University of Groningen.

Can Xu, Jan P.A.M. Jacobs and Jakob de Haan (2021). Does household borrowing reduce the trade balance? Evidence from developing and developed countries. *Global Research Unit Working Paper* #2021-019; *CESifo Working Paper* no 9123.

Jing Tian, Jan P.A.M. Jacobs and Denise Osborn (2021). Multivariate Decompositions and Seasonal Gender Employment. *CAMA Working Paper* 72/2021, Centre for Applied Macroeconomic Analysis, Australian National University.

Goto, Eiji, Jan P.A.M. Jacobs, Tara M. Sinclair and Simon van Norden (2021). Employment Reconciliation and Nowcasting. Working Papers 2021-007, The George Washington University, Department of Economics, H. O. Stekler Research Program on Forecasting.

De Haan, Jakob, Jan P.A.M. Jacobs and Renske Zijm (2022). Coherence of output gaps in the euro area: The impact of the COVID-19 shock. *CESifo Working Paper* no. 9654.

Abeln, Barend, Jan P.A.M. Jacobs and Machiel Mulder (2022). Seasonal adjustment of daily data with CAMPLET. *Working Paper* 2022s-06, CIRANO, Montréal.

Xin Tian, Jan P.A.M. Jacobs, and Jakob de Haan (2022). Alternative Measures for the Global Financial Cycle: Do They Make a Difference? *CESifo Working Paper* no. 9730.

Conference/seminar papers

1989

Jacobs, Jan and Maarten Janssen (1989). Coordinating unions, wages and employment. *Fourth Annual Congress of the European Economic Association*, Augsburg, Germany, September.

Cesar, H., J. de Haan and J. Jacobs (1989). Monetary targeting in the Netherlands: an application of cointegration tests. *Fourth Annual Congress of the European Economic Association*, Augsburg, Germany, September.

Jacobs, J.P.A.M., N.S. Kroonenberg and T.J. Wansbeek (1989). Dividing by 4: an efficient algorithm for the optimal disaggregation of annual data into quarterly data. *Ecozoekdag*, Wageningen, The Netherlands, May 1989; *Econometric Society European Meeting*, University of Munich, Munich, Germany, September.

1992

Jacobs, J.P.A.M., N.S. Kroonenberg and E. Sterken (1992a). Dynamic portfolio models with preliminary results for Dutch funds. Buiter-series, University of Groningen, Groningen, February.

Jacobs, J.P.A.M., N.S. Kroonenberg and E. Sterken (1992b). The IBS-CCSO model of the Dutch economy: the monetary submodel. *International Symposium on Economic Modelling*, University of Goteborg, Goteborg, Sweden, August; *AIO-presentatiedag*, Tinbergen Institute, Rotterdam, The Netherlands, February.

1993

Jacobs, Jan, Siep Kroonenberg, Gerard Kuper and Elmer Sterken (1993). The CCSO forecasting practice: models and software. International Forecasting Conference, Pittsburg, USA, July.

1994

Jacobs, Jan and Elmer Sterken (1994). Quality control in macroeconometric forecasting. *Fourteenth International Symposium on Forecasting*, Stockholm, Sweden, June.

Jacobs, Jan (1994). Dividing by 4: a feasible quarterly forecasting method?. International Symposium on Economic Modelling, World Bank, Washington D.C., USA, June.

1996

Jacobs, Jan, Jan-Egbert Sturm and Peter Groote (1996). Data constructors and data users can cooperate: an illustrative case study. 24th IARIW Conference, Lillehammer, Norway, August.

Jacobs, Jan and Albert van der Horst (1996). VAR-ing the economy of the Netherlands: a comparison with the IBS-CCSO model. ESEM96, Istanbul, Turkey, August; MACROMODELS'96, Łódź, Poland, December.

Jacobs, Jan (1996). Econometric Business Cycle Research: an assessment of method. CCSO seminar, University of Groningen, Groningen, the Netherlands, October.

1997

Jacobs, Jan, Roelof Salomons and Elmer Sterken (1997). The CCSO composite leading indicator of the Netherlands: construction, forecasts and comparison. CCSO seminar, June; NAKE Day, Tilburg, the Netherlands, October.

Kakes, Jan, Jan Jacobs and Hans van Ees (1997). Monetary transmission in a small, open economy: a structural VARX analysis for the Netherlands. ESEM97, Toulouse, France, August; NAKE Day, Tilburg, the Netherlands, October; IRES, Louvain la Neuve, Belgium, December.

1998

Kakes, Jan, Jan Jacobs and Hans van Ees (1998). Monetary policy in the Netherlands: a structural VARX approach, Onderzoek op Dinsdagmiddag, De Nederlandsche Bank, Amsterdam, the Netherlands, February; University of New South Wales Economics Visitor Seminar Series, University of New South Wales, Sydney, Australia, December.

Sturm, Jan-Egbert, Jan Jacobs and Peter Groote (1998). Productivity impacts of infrastructure investment in The Netherlands 1853–1913. Accepted for the Twelfth Congress of the International Economic History Association, Seville, Spain, August.

Lensink, Robert, Jan Jacobs and Linda Chen (1998). Pensions, house ownership and voluntary household saving. Conference on *Productivity, Technology and Economic Growth*, Groningen, September.

Jacobs, Jan (1998). Bias and ignorance in the construction and use of long (historical) macro-economic time series. Australian National University 1998 Economic History Seminar Series, Canberra ACT, Australia, November.

Jacobs, Jan (1998). Econometric business cycle research: An overview. Australian National University, Research School of Social Studies, Division of Economics and Politics Economics Program Seminar Series, Canberra ACT, Australia, December.

Jacobs, Jan (1998). The Dutch miracle: facts and figures on the economy of the Netherlands. Australian National University, Research School of Social Sciences, Economic Program, PhD Workshops, Canberra ACT, Australia, December.

2000

Jacobs, J.P.A.M. and K.F. Wallis (2000). Comparing SVARs and SEMs: more shocking stories. Macroeconomic Modelling Seminar, Radcliffe House, University of Warwick, Coventry, England, July; Central Bank of Norway, Oslo, Norway, Octobe; Central Bank of Spain, Madrid, Spain, November; CCSO Seminar, University of Groningen, Groningen, the Netherlands, November; Econometrics Seminar, University of Warwick, Coventry, UK, December.

Soest, Daan P. van, Jan Jacobs and Gerard H. Kuper (2000). Threshold effects of energy price changes. 8th World Meeting of the Econometric Society, Seattle WA, August.

Chirinko, Bob, Elmer Sterken and Jan Jacobs (2000). The equity and credit channels of monetary policy in the Netherlands. Conference on Financial Structure, Bank Behaviour and Monetary Policy in the EMU, Groningen, October.

2001

Jacobs, J.P.A.M. and K.F. Wallis (2001). The Cambridge SVAR: more shocking stories. ANU RSSS Division of Economics and Politics Economics Program Seminar Series, Australian National University, Canberra ACT, Australia, February 2001; Business Cycle Seminar Series 2001, Melbourne Institute of Applied Economic and Social Research, The University of Melbourne, Melbourne, Australia, March; Staff Seminar series at the National University of Singapore, Singapore, April; Econometrics Seminar series at CenTER, University of Tilburg, Tilburg, the Netherlands, May.

Jacobs, Jan and Jan-Pieter Smits (2001). Business cycles in the Netherlands: 1815-1913. NAKE Day, De Nederlandsche Bank, Amsterdam, the Netherlands, October 2001.

2002

Jacobs, Jan and Linda Toolsema-Veldman (2002). Why do prices rise faster than they fall. Research Seminar Series at DNB, Amsterdam, the Netherlands, February.

Tassenaar, Vincent, J.W. Drukker and Jan Jacobs (2002). The economics of health: height, nutrition, and economic development in the Netherlands in (the second half of) the 19th century. European Social Science History Conference (ESSHC), The Hague, the Netherlands, February.

Tassenaar, Vincent and Jan Jacobs (2002). The economics of health: height, nutrition, and economic development in the Netherlands in (the second half of) the 19th century. First International Conference on Economics & Human Biology, Tübingen, Germany, July; accepted for the XIII Congress of the International Economic History Association, Buenos Airos, Argentina, July.

Jacobs, Jan and Kenneth F. Wallis (2002). Comparing SVARs and SEMs: More Shocking Stories. European Meeting of the Econometric Society, Venice, Italy, August; Money, Macro and Finance Research Group Annual Conference, University of Warwick, Coventry, UK, September.

2003

Jacobs, Jan and K.F. Wallis (2003). Comparing SVARs and SEMs: two models of the UK economy. International Conference marking the centenary of the birth of Jan Tinbergen, first Nobel Laureate in Economics, Erasmus University, Rotterdam, April; Conference on Econometric Methodology, Oslo, August.

Inklaar, Robert C., Jan Jacobs and Ward Romp (2003). Business cycle indicators: does a heap of data help? SOM Brown Bag Seminar, University of Groningen, February; Victor Zarnowitz Conference, RWI, Essen, June.

Jacobs, Jan and Jan-Egbert Sturm (2003). Do Ifo indicators help explain revisions in German industrial production? Victor Zarnowitz Conference, RWI, Essen, June; CESifo Academic Use of Ifo Survey Data Conference, Munich, December.

Lestano, Jan Jacobs and Gerard H. Kuper (2003). Indicators of financial crises do work! An early warning system for six Asian countries. Workshop on Southeast Asia, Groningen, May; NAKE Day, Amsterdam, October.

Jacobs, Jan and Vincent Tassenaar (2003). Height, income and nutrition in the Netherlands: the second half of the 19th century. Aschauer Soiree, Altenhof, Germany, November.

Jacobs, Jan, Gerard H. Kuper and Elmer Sterken (2003c). A Structural VAR model of the euro area. SOM Brown Bag Seminar, University of Groningen, November; CPB Workshop on Economic Policy Modelling, The Hague, November.

2004

Inklaar, Robert C., Jan Jacobs and Ward Romp (2004). Business cycle indexes: does a heap of data help? Conjunctuurdag 2004, Groningen, January; CGBCR Conference on Growth and Business Cycles in Theory and Practice, Manchester, July.

Dungey, Mardi, Jan Jacobs and Lestano (2004). Synchronisation of financial crises: six Asian countries, 1970–2002. Econometrics Seminar at the University of Warwick, Coventry UK, February; RSPAS, ANU Canberra, May 2004; ESAM 2004, Melbourne, July 2004; BIS Basel, October 2004; Brown Bag Seminar, University of Groningen, October 2004; NAKE Day 2004, De Nederlandsche Bank Amsterdam, October 2004; CERF Cambridge, November 2004; and Universitá degli Studi di Venezia "Ca' Foscari", Venice, December 2004.

Bouwman, Kees and Jan Jacobs (2004). Real-time forecasting with leading indexes: the ragged-edge problem and data revisions. Brown Bag Seminar, University of Groningen, May 2004; the *Journal of Applied Econometrics* & Netherlands Econometric Study Group, Macroeconomic Forecasting, Erasmus University, Rotterdam, May.

Jacobs, Jan, Tomek Katzur, and Vincent Tassenaar (2004). On the efficiency of estimators in truncated height samples. Workshop on Welfare Effects of Economic Growth, and Standard of Living, Groningen, May.

Jacobs, Jan, Jan Bonenkamp and Jan-Pieter Smits (2004). Determinants of consumption in the Netherlands, 1815-1913. NAKE Day, De Nederlandsche Bank, Amsterdam, the Netherlands, October.

2005

Jacobs, Jan, Ruud H. Koning and Elmer Sterken (2005). Full prepayment of mortgages in the Netherlands. SOM Brown Bag Seminar, University of Groningen, February; ING, Amsterdam, March.

Jacobs, Jan, Jan Bonenkamp and Jan-Pieter Smits (2005). Consumer Demand in the Industrial Revolution: The Netherlands, 1815–1913. Brown Bag Seminar, University of Groningen, April.

Dungey, Mardi, Jan Jacobs and Lestano (2005). Synchronisation of financial crises. University of Dundee, March; Iowa State University, Ames Iowa, May.

Bouwman, Kees and Jan Jacobs (2005). Constructing of leading indexes in real-time: the ragged-edge problem and data revisions. The Conference Board, New York, May.

Jianhong Zhang, Jan Jacobs, and Arjen van Witteloostuijn (2005). Multinational enterprises, foreign direct investment and trade in China: A cointegration and Granger-causality approach. Academy of Management Annual Meeting 2005, Honolulu, Hawaii, August.

Jacobs, Jan P.A.M. and Pieter W. Otter (2005). Determining the number of factors and lag order in dynamic factor models: A minimum entropy approach. The 2nd Conference on Information and Entropy Econometrics: Theory, Method, and Applications, Washington DC, September; NAKE Day, De Nederlandsche Bank, Amsterdam, the Netherlands, October.

Bouwman, Kees and Jan Jacobs (2005). Forecasting with real-time macroeconomic data: the ragged-edge problem and revisions. CIRANO Workshop on Macroeconomic Forecasting, Analysis and Policy with Data Revisions, Montréal, Canada, October.

Bunzel, Helle and Jan Jacobs (2005). Powerful Tests for Unit Roots in Models with Unknown Deterministic Structure. Midwest Econometrics Group, Fifteenth Annual Meeting, Southern Illinois University Carbondale, October.

2006

Bouwman, Kees and Jan Jacobs (2006). Forecasting with real-time macroeconomic data: the ragged-edge problem and revisions. Conjunctuurdag 2006, DNB, Amsterdam, January; SOM PhD Conference, Groningen, March.

Dungey, Mardi, Jan Jacobs and Lestano (2006). Financial crises in Asia: concordance by asset market or country? INFINITI Conference on International Finance, Trinity College Dublin, June.

Jacobs, Jan, Tomek Katzur, and Vincent Tassenaar (2006). On estimators in truncated height samples. The 3rd International Conference on Economics and Human Biology, Strasbourg/France, June; and Aschauer Soirée, Altendorf, Germany, November.

Otter, Pieter W. and Jan P.A.M. Jacobs (2006). On information in static and dynamic factor models. Macro seminar, University of Groningen, March; The Far Eastern Meeting of the Econometric Society, Beijing, China, July.

Dungey, Mardi, Jan Jacobs and Lestano (2006). Have financial crises become more idiosyncratic? HEC Montréal, August; Federal Reserve Bank Atlanta, November.

Jacobs, Jan and Jan-Egbert Sturm (2006). A real-time analysis of the Swiss trade balance. MMF Conference, York, UK, September; the 28th CIRET Conference 2006, Rome, Italy, September.

Jacobs, Jan and Simon van Norden (2006). Modeling Data Revisions: Measurement Error and Dynamics of "True" Values. CIRANO Workshop on Data Revision in Macroeconomic Forecasting and Policy, Montréal, Canada, October; EC^2 Conference, Rotterdam, December.

Jacobs, Jan, Gerard Kuper and Johan Verlinden (2006). Monetary policy in the euro area: the impact of fiscal closure rules. NAKE Day, De Nederlandsche Bank, Amsterdam, October.

Jacobs, Jan, Jenny Ligthart and Hendrik Vrijburg (2006). Commodity Tax Competition Among Governments: Evidence From US States. NAKE Day, De Nederlandsche Bank, Amsterdam, October.

2007

Jacobs, Jan and Simon van Norden (2007). Modeling Data Revisions: Measurement Error and Dynamics of "True" Values. Conjunctuurdag 2007, Nijenrode, January; IEE Brown Bag Seminar, University of Groningen, April; DNB Research Seminar, Amsterdam, April; International Symposium of Forecasting, New York, June; The Conference Board, New York, June; International Conference on MEASUREMENT ERROR: Econometrics and Practice, Aston Business School, Aston University Birmingham, U.K., July; Growth and Business Cycles in Theory and Practice, Centre for Growth and Business Cycle Research, Manchester, July; Workshop on Real-Time Data Analysis, Zurich, July; Joint Statistical Meetings, Salt Lake City, July–August; Canadian Econometric Study Group, September.

Dungey, Mardi, Jan Jacobs and Lestano (2007). Have financial crises become more idiosyncratic? ANU Crawford School of Economics and Government, January.

Bouwman, Kees and Jan Jacobs (2007). Forecasting with real-time macroeconomic data: the ragged-edge problem and revisions. Robeco, Rotterdam, March.

Jacobs, Jan P.A.M. and Kenneth F. Wallis (2007). Cointegration, Long-Run Structural Modelling and Weak Exogeneity: Two Models of the UK Economy. Tinbergen Institute Conference, March.

Jacobs, Jan P.A.M. and Jan-Egbert Sturm (2007). The information content of KOF indicators on Swiss current account data revisions. Workshop on Real-Time Data Analysis, Zurich, July.

Gorter, Janko, Jan Jacobs and Jakob de Haan (2007). Taylor Rules for the ECB using Consensus Data. IEE Brown Bag Seminar, University of Groningen, March; NAKE Research Day, Utrecht, October.

Jacobs, Jan P.A.M., Pieter W. Otter and Ard den Reijer (2007). Information, data dimension, and factor structure. The 13th International Conference on Computing in Economics and Finance, Montréal, Canada, June; Seminar De Nederlandsche Bank, Amsterdam, October; Bank of England Research Workshop on 'Dynamic Factor Modelling', London, October.

Jacobs, Jan P.A.M., Jenny L. Ligthart and Hendrik Vrijburg (2007). Commodity Tax Competition Among Governments: Evidence From US States. 63rd Congress of the IIPF, Warwick UK, August.

Vrijburg, Hendrik, Jan Jacobs, and Jenny Ligthart (2007). A Spatial Econometric Approach to Commodity Tax Competition. NAKE Research Day, Utrecht, October.

Mink, Mark, Jan Jacobs, and Jakob de Haan (2007). Synchronicity and Co-Movement of Business Cycles: A Comparison of EMU and the United States. NAKE Research Day, Utrecht, October.

Jacobs, Jan P.A.M. and Gerard H. Kuper (2007). Monetary Policy and Fiscal Policy in the Euro Area. Seminar Maastricht University, October; NAKE Research Day, Utrecht, October.

Hoekstra, Krista, Jan Jacobs, and Jan-Pieter Smits (2007). The Industrial Revolution in the Netherlands: A Change in Persistence? NAKE Research Day, Utrecht, October.

Otter, Pieter W., Jan P.A.M. Jacobs, and Ard den Reijer (2007). Information and the number of factors in dynamic and static factor models. Workshop on Dynamic Factor Modelling, Queen Mary College, London, October.

2008

Jacobs, Jan and Simon van Norden (2008). Modeling Data Revisions: Measurement Error and Dynamics of "True" Values. ASSA Meetings 2008, New Orleans, January; European Meeting of the Econometric Society, Milan, Augustus; the 5^{th} Eurostat Colloquium on Modern Tools for Business Cycle Analysis, Luxembourg, September-October.

Mink, Mark, Jan Jacobs, and Jakob de Haan (2008). Synchronicity and Co-Movement of Business Cycles: A Comparison of EMU and the United States. DNB Lunch Seminar, Amsterdam, the Netherlands, January; INFER Workshop "Business Cycle Characteristics: Have they changed?", Brussels, Belgium, January; Conference on "The First Decade of European Monetary Union", Münster, Germany, May.

Klein Goldewijk, Geertje M., Jan P.A.M. Jacobs and Willem M. Jongman (2008). Roman economic growth: Towards a synthesis. Lunch Seminar, Faculty of Arts, University of Groningen, Groningen, the Netherlands, June.

Jacobs, Jan P.A.M., Pieter W. Otter and Ard den Reijer (2008). Information, data dimension, and factor structure. The Far Eastern Meeting of the Econometric Society, Singapore, July; Conference on "Factor Structures for Panel and Multivariate Time Series Data", Maastricht, September; seminar Sveriges Riksbanken, Stockholm, November.

Jacobs, Jan P.A.M. and Jan-Egbert Sturm (2008). The information content of KOF indicators on Swiss current account data revisions. The 29th CIRET Conference, Santiago, Chile, October.

2009

Jacobs, Jan P.A.M., Pieter W. Otter and Ard den Reijer (2009). Information, data dimension, and factor structure. Macroeconomic Forecasting Conference, Rome, March.

Otter, Pieter, W. and Jan P.A.M. Jacobs (2009). State Space Modelling of Dynamic Factor Structures, with an application to the U.S. term structure. Econometrics, Time Series Analysis and Systems Theory—A Conference in Honor of Manfred Deistler, Institute for Advanced Studies, Wien, June.

Jacobs, Jan P.A.M, Jenny E. Ligthart and Hendrik Vrijburg (2009). Dynamic panel data models featuring spatially correlated errors and endogenous interaction. Third World Conference of Spatial Econometrics, Barcelona, July.

Mink, Mark, Jan Jacobs, and Jakob de Haan (2009). Measuring Similarity of Business Cycles in the Euro Area and the U.S.. Conference on Growth and Business Cycles, Manchester, June; Econometric Society Australasian Meeting (ESAM09), Australian National University, Canberra, July; CIRANO, Montréal, October.

Hecq, Alain and Jan P.A.M. Jacobs (2009). On VAR-VECM representations of real-time data. 5th Annual Workshop on Macroeconomic Forecasting, Analysis and Policy with Data Revision, CIRANO, Montréal, October; 3rd International Conference on Computational and Financial Econometrics (CFE 2009), Limassol, Cyprus, October; EC^2 Conference, Aarhus, December.

2010

Jacobs, Jan P.A.M, Jenny E. Ligthart and Hendrik Vrijburg (2010). Dynamic panel data models featuring spatially correlated errors and endogenous interaction. Meteor seminar, Maastricht University, March.

Jacobs, Jan P.A.M., Gerard H. Kuper and Jenny E. Ligthart (2010). The Dynamic Macroeconomic Effects of Monetary and Fiscal Policy Interaction. CIBIF Workshop on Financial Systems and Macroeconomics, Groningen, April; NAKE Research Day, Utrecht, April; Australian Conference of Economists (ACE10), Sydney, September.

Hecq, Alain and Jan P.A.M. Jacobs (2010). On VAR-VECM representations of real-time data. CIRANO, Montréal, June.

Jacobs, Jan P.A.M. and Simon van Norden (2010). What do Macroeconomists Know about Productivity Growth?, 2010 Joint Statistical Meetings, Vancouver, Canada, August.

Jacobs, Jan P.A.M. and Simon van Norden (2010). Lessons from the Latest Data on Productivity. 6th Colloquium on Modern Tools for Business Cycle Analysis: the lessons from global economic crisis, Luxembourg, September; Finance and the Macroeconomy Workshop, CAMA, October; UTAS, School of Economics and Finance, November.

Jacobs, Jan P.A.M. (2010). Analysis of Data Revisions. UTAS, School of Economics and Finance, October.

Jacobs, Jan P.A.M., Jan-Egbert Sturm and Simon van Norden (2010). Modelling Multivariate Data Revisions. The 30th CIRET Conference, New York, October; Finance and the Macroeconomy Workshop, CAMA, October.

Jacobs, Jan P.A.M. (2010). Modelling data revisions. RealTime Workshop, Melbourne, November.

Rabbini, Eisha M. and Jan P.A.M. Jacobs (2010). Early Warning Systems for Financial Crises in Indonesia: Signal Extraction Approach and Multivariate Logit Model. The 35th Federation of ASEAN Economic Association (FAEA) Annual Conference, Bali, December.

2011

Jacobs, Jan P.A.M. and Simon van Norden (2011). Lessons from the Latest Data on U.S. Productivity. IEB&M Seminar, University of Groningen, March; Centre for Finance, Credit and Macroeconomics (CFCM), University of Nottingham, April; DNB Research Seminar, Amsterdam, April; University of Graz, April; 2011 CGBCR Conference, Manchester, June-July.

Jacobs, Jan P.A.M. and Simon van Norden (2011). Modelling data that are subject to revision. Tinbergen Seminar, Amsterdam, April; University of Groningen, December 2011.

Dungey, Mardi, Jan P.A.M. Jacobs and Jing Tian (2011). Financial Markets and Macroeconomic News. Western Economic Association International 9th Biennial Pacific Rim Conference, Brisbane, April.

Den Reijer, Ard, Jan Jacobs and Pieter Otter (2011). Some still unresolved issues in factor modelling. IEEF Seminar, University of Groningen, May.

Jacobs, Jan P.A.M., Jan-Egbert Sturm and Simon van Norden (2011). Modelling Multivariate Data Revisions. The 31th International Symposium on Forecasting, Prague, June; the 10th OxMetrics conference, Maastricht, September.

Otter, Pieter W., Jan P.A.M. Jacobs and Ard H.J. den Reijer (2011). A criterion for the number of factors in a data-rich environment. European Meeting of the Econometric Society, Oslo, August.

Boonman, Tjeerd M., Jan P.A.M. Jacobs and G.H. Kuper (2011). Why didn't the Global Financial Crisis hit Latin America? The economics and econometrics of recurring financial market crises, Waterloo, Ontario, Canada, October; CIRANO, Montréal, October.

Jacobs, Jan and Simon van Norden (2011). The Jacobs-van Norden data revision model: empirical results and extensions. European Central Bank, Frankfurt am Main, November.

2012

Dungey, Mardi, Jan P.A.M. Jacobs, Jing Tian and Simon van Norden (2012). On the correspondence between data revision and trend-cycle decomposition. CAMA Workshop on Issues in Monetary and Fiscal Policy After the Global Financial Crisis, ANU Canberra, March; De Nederlandsche Bank, Amsterdam, May; Conference in Honor of Charles Nelson, University of Washington, Seattle, June; International Seminar on Forecasting, Boston MA, June.

Jacobs, Jan P.A.M. and Simon van Norden (2012). Modelling data that are subject to revision. UTAS, March.

Boonman, Tjeerd M., Jan P.A.M. Jacobs and G.H. Kuper (2012). Why didn't the Global Financial Crisis severely affect Latin America? The 16th International Conference on Macroeconomic Analysis and International Finance, Crete, Greece, May; INFINITI Conference on International Finance, Trinity College Dublin, June.

Otter, Pieter W., Jan P.A.M. Jacobs and Ard H.J. den Reijer (2012). A criterion for the number of factors in a data-rich environment. Netherlands Econometric Study Group, Groningen, June.

Čižek, Pavel, Jan P.A.M. Jacobs, Jenny E. Ligthart and Hendrik Vrijburg (2012). GMM Estimation of Fixed Effects Dynamic Panel Data Models. 18th International Panel Data Conference, Paris, July.

Harchaoui, Tarek M., Jan P.A.M. Jacobs and Simon van Norden (2012). Dealing with historical revisions. The Western Economic Association International 87th Annual Conference, San Francisco, July; Brown Bag Seminar, University of Groningen, September.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2012). Modelling Multivariate Data Revisions. Joint Statistical Meetings, San Diego, July–August; EABCN Conference: Disaggregating the Business Cycle (poster session), Luxembourg, October; 6th CSDA International Conference on Computational and Financial Econometrics (CFE 2012), Oviedo, Spain, December.

Dungey, Mardi, Jan P.A.M. Jacobs, Jing Tian and Simon van Norden (2012). On trend-cycle decompositions and data revision. Real Time Analysis and Forecasting Workshop, Melbourne, October; CAMA, ANU, November; University of New South Wales, November.

Elhorst, J. Paul, Pim Heijnen, Anna Samarina and Jan P.A.M. Jacobs (2012). State transfers at different moments in time: a spatial probit approach. 59th Annual North American Meetings of the Regional Science Association International, Ottawa, November; KOF Research Seminar, Zurich, November.

He, X., Jan P.A.M. Jacobs, Gerard H. Kuper and Jenny E. Ligthart (2012). On the impact of the Global Financial Crisis on the euro area. Workshop on Business Fluctuations and International Transmission of Shocks, Kobe University, Kobe, Japan, November.

2013

Jacobs, Jan, Gerard Kuper and Niek Vogel (2013). On business cycle indexes in the Netherlands, Conjunctuurdag 2013, February.

Dungey, Mardi, Jan P.A.M. Jacobs, Jing Tian and Simon van Norden (2013). Trend-Cycle Decomposition with Correlated Unobserved Components. Multivariate Time Series Modelling and Forecasting Workshop, Monash University. Melbourne, February; Federal Reserve Bank St. Louis.

Veenstra, Joost and Jan P.A.M. Jacobs (2013). Output growth in pre-WWII Germany: A reinterpretation of time-series evidence. SOM PhD Conference, Groningen, March; Political Economy, Growth & Development and Economic History Seminar, University of Groningen, September.

Dungey, Mardi, Jan P.A.M. Jacobs, Jing Tian and Simon van Norden (2013). Trend-Cycle Decomposition: Implication from an Exact Structural Identification. Applied Time Series Econometrics Workshop, Federal Reserve Bank St. Louis, April.

Elhorst, J. Paul, Pim Heijnen, Anna Samarina and Jan P.A.M. Jacobs (2013). State transfers at different moments in time: a spatial probit approach. 2013 Scottish Economic Society Annual Conference, Perth, Scotland, April; 12th International Workshop Spatial Econometrics and Statistics, Orléans, France, June; Netherlands Econometric Study Group, Amsterdam, June; the 9th Triennial Choice Symposium, Noordwijk, the Netherlands, June.

Hall, Tony, Jan Jacobs and Adrian Pagan (2013). Macroeconomic system modelling @ 75. Ken@75, University of Warwick, July.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2013). Modelling Multivariate Data Revisions. European Meeting of the Econometric Society, Gothenborg, August; the 9th Annual CIRANO-CIREQ Workshop on Data Revision in Macroeconomic Forecasting and Policy, Montréal, Canada, October.

Otter, Pieter W., Jan P.A.M. Jacobs and Ard H.J. den Reijer (2013). A criterion for the number of factors in a data-rich environment. European Meeting of the Econometric Society, Gothenborg, August; The 7th International Conference on Computational and Financial Econometrics (CFE 2013), London, December.

Jacobs, J.P.A.M (2013). Modeling with Correlated Unobserved Components. IEEF Seminar, University of Groningen, October.

Jing, Zhongbo, Jakob de Haan, Jan Jacobs and Haizhen Yang (2013). Identifying Banking Crises Using Money Market Pressure: New Evidence For A Large Set of Countries. CIRANO, Montréal, October.

Boonman, Tjeerd M., Jan P.A.M. Jacobs and Gerard H. Kuper (2013). Sovereign Debt Crises in Latin America: A Market Pressure Approach. University of Groningen, June; Universidad de Guadalajara, September; Latin American Meeting of the Econometric Society, Mexico City, October-November.

Hindrayanto, Irma, Jan P.A.M. Jacobs and Denise R. Osborn (2013). On trend-cycle-seasonal interaction. The 7th International Conference on Computational and Financial Econometrics (CFE 2013), London, December.

2014

Čižek, Pavel, Jan P.A.M. Jacobs, Jenny E. Ligthart and Hendrik Vrijburg (2014). GMM Estimation of Fixed Effects Dynamic Panel Data Models.

IEEF Seminar, University of Groningen, January; Econometrics seminar, University of Melbourne, October.

Hall, Tony, Jan Jacobs and Adrian Pagan (2014). Macroeconomic system modelling @ 75. CPB Netherlands Bureau of Policy Analysis, January; International Monetary Fund, Washington D.C., May.

Hindrayanto, Irma, Jan P.A.M. Jacobs and Denise R. Osborn (2014). On trend-cycle-seasonal interaction. Conjunctuurdag 2014, Rotterdam; Time Series Workshop, Monash University, Melbourne, February; De Nederlandsche Bank, Amsterdam, March; International Symposium on Forecasting, Rotterdam, June-July; Accepted for Econometric Society Australasian Meeting (ESAM2014), Hobart, Tasmania, July; University of Tasmania, Sandy Bay, Tasmania, August.

Jing, Zhongbo, Jakob de Haan and Jan Jacobs (2014). Banking crises spreads during the Global Financial Crisis: Interdependence or spillover effects? SOM PhD Conference, Groningen, March.

Abeln, Barend and Jan P.A.M. Jacobs (2014). Seasonal Adjustment in Real-Time: A Comparison of X-13ARIMA-SEATS and CAMPLET. Conference in honour of Denise Osborn, Manchester, April; KOF Research Seminar, Zurich, Switzerland, June; International Symposium on Forecasting, Rotterdam, June-July; The 8th International Conference on Computational and Financial Econometrics (CFE 2014), the University of Pisa, Italy, December.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2014). Modelling Multivariate Data Revisions. External economics seminars, Department of Economics, University of Bath, May; KOF Research Seminar, Zurich, Switzerland, June; Society for Computational Economics, 20th International Conference on Computing in Economics and Finance (CEF 2014), Oslo, Norway, June; the 1st conference of the International Association for Applied Econometrics (IAAE 2014), Queen Mary University of London, London, June; Inaugural Society for Ecoomic Measurement Conference, Chicago, August; Jahrestagung des Vereins für Socialpolitik 2014, Hamburg, September; 2nd Continuing Education in Macroeconometrics Workshop, Tasmanian School of Business and Economics, University of Tasmania, October.

Boonman, Tjeerd M., Jan P.A.M. Jacobs and Gerard H. Kuper (2014). Sovereign Debt Crises in Latin America: A Market Pressure Approach. The IFABS 2014 Conference, Lisbon, Portugal, June.

Den Reijer, Ard, Jan Jacobs and Pieter Otter (2014). Pooling versus model selection for nowcasting with targeted predictors. International Symposium on Forecasting, Rotterdam, June-July.

Hecq, Alain, Jan P.A.M. Jacobs and Michalis P. Stamatogiannis (2014). Testing for News and Noise in Non-Stationary Time Series Subject to Multiple Revisions. Inaugural Society for Economic Measurement Conference, Chicago, August.

2015

Abeln, Barend and Jan P.A.M. Jacobs (2015). Seasonal Adjustment in Real-Time: A Comparison of X-13ARIMA-SEATS and CAMPLET. Conjunctuurdag 2015, The Hague, February.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2015). Modelling Multivariate Data Revisions. De Nederlandsche Bank, Amsterdam, March; The 11th World Congress of the Econometric Society, Montréal, August; University of Stirling, October 2015.

Dungey, Mardi, Jan P.A.M. Jacobs and Jing Tian (2015). The role of structural breaks in forecasting trends and cycles in U.S. real GDP. University of Tasmania, May; International Symposium on Forecasting, Riverside Ca, June.

Dungey, Mardi, Jan P.A.M. Jacobs and Jing Tian (2015). The role of structural breaks in forecasting trends and output gaps in real GDP of the G-7 countries. 2015 NBP Workshop on Forecasting, Warsaw, Poland, September.

Hecq, Alain, Jan P.A.M. Jacobs and Michalis P. Stamatogiannis (2015). Testing for news and noise in non-stationary time series subject to multiple revisions. The 16th OxMetrics User Conference, Aix-Marseille University, Aix-en-Provence, France, September; accepted for Challenges for Forecasting – Structural Breaks, Revisions and Measurement Errors, 16th IWH-CIREQ Macroeconometric Workshop, Halle, Germany, December; The 9th International Conference on Computational and Financial Econometrics (CFE 2015), London, December.

Jongman, Willem M. and Jan P.A.M. Jacobs (2015). Time series analyses of Roman economic proxy data. Workshop on Data Integration, Groningen, September; SDEP Complexity and ancient economic proxy data meeting, Sagalassos, Turkye, September.

Abeln, Barend and Jan P.A.M. Jacobs (2015). Seasonal Adjustment with and without revisions: A comparison of X-13ARIMA-SEATS and CAMPLET. CIRET/KOF/RIED WSE Workshop on Economic Cycles and Uncertainty, Warsaw, October; The 9th International Conference on Computational and Financial Econometrics (CFE 2015), London, December.

2016

Dungey, Mardi, Jan P.A.M. Jacobs and Jing Tian (2016). The role of structural breaks in forecasting trends and output gaps in real GDP of the G-7 countries. Conjunctuurdag 2016, The Hague, February.

De Haan, Jakob, Jan P.A.M. Jacobs and Mark Mink (2016). Euro area imbalances. CESifo Area Conference on Macro, Money & International Finance, Munich, February; ECB surveillance seminar, October; Tasmanian School of Business and Economics, Sandy Bay Tasmania, December.

Rozite, Kristiana, Dirk J. Bezemer and Jan P.A.M. Jacobs (2016). Towards a financial cycle for the US, 1973–2014. SOM PhD Conference, Groningen, March; The 48th Money, Macro and Finance Research Group Annual Conference, Department of Economics, University of Bath, September.

Boonman, Tjeerd M., Jan P.A.M. Jacobs, Gerard H. Kuper and Alberto Romero Aranda (2016). Early Warning Systems for currency crises with real-time data. Accepted for the 52nd Meeting of the Eastern Finance Association (EFA), Baltimore, Maryland, April; San Diego State University, April; USD–SB seminar series, San Diego, May; EGADE seminar series, Guadalajara, Mexico, July.

Abeln, Barend and Jan P.A.M. Jacobs (2016). CAMPLET: Seasonal Adjustment without Revisions. Joint Statistical Meetings 2016, Chicago Ill, July-August; The 10th International Conference on Computational and Financial Econometrics (CFE 2016), Seville, December.

Sarferaz, Samad, Jan P.A.M. Jacobs, Jan-Egbert Sturm and Simon van Norden (2016). Improving GDP measurement further: Data revisions with news-noise measurement errors. The 10th International Conference on Computational and Financial Econometrics (CFE 2016), Seville, December.

2017

Jacobs, Jan, Kazuo Ogawa, Elmer Sterken and Ichiro Tokutsu (2017). Public Debt, Economics Growth and the Real Interest Rate: A Panel VAR Approach to EU and OECD Countries. Kobe University, Kobe, Japan, April.

Panjer, Nikki, Leo de Haan and Jan P.A.M. Jacobs (2017). Is fiscal policy in the euro area Ricardian? SOM PhD Conference, Groningen, March; The 2017 RCEA Money and Finance Workshop, Rimini, Italy, May; the 10th Beyond Basic Questions Workshop, Milan, June; DNB Lunch Seminar, Amsterdam, June.

Mink, Mark, Jan P.A.M. Jacobs and Jakob de Haan. Euro area imbalances (2017). Asymmetries in Europe: causes, consequences, remedies, Pescara, Italy, March-April; 2017 CEUS Workshop on "Issues of EU Economic Integration 60 Years after the Signing of the Treaty of Rome", the WHU – Otto Beisheim School of Management, Vallendar, Germany, May; the 21st Annual Conference on Macroeconomic Analysis and International Finance, University of Crete, Rethymno, Greece, May.

Boonman, Tjeerd M., Jan P.A.M. Jacobs, Gerard H. Kuper and Alberto Romero Aranda (2017). Early warning systems for currency crises with real-time data. Bank of Mexico, Mexico City, June; Annual European Economics and Finance Society conference, Ljubljana, June; CUCEA, University of Guadelajara, October 2017; CFE 2017, London, December.

Abeln, Barend, Jan P.A.M. Jacobs and Jan-Egbert Sturm (2017). Seasonal adjustment of economic tendency survey data. Poster presentation at the CIRET/KOF/WIFO Workshop, Vienna, October.

Sarferaz, Samad, Jan P.A.M. Jacobs, Jan-Egbert Sturm and Simon van Norden (2017). Can GDP measurement be improved further? The XIII Conference on Real-Time Data Analysis, Methods and Applications, Banco de España, Madrid, October.

2018

Abeln, Barend, Jan P.A.M. Jacobs and Pim Ouwehand (2018). CAMPLET: Seasonal adjustment without revisions. ESMD Seasonal Workshop, US Census Bureau, Washington DC, April; 23rd International Conference on Computational Statistics (COMPSTAT2018), Iasi, Romania, August; CFE 2018, Pisa, Italy, December.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2018). Can GDP measurement be further improved? Data revision and data reconciliation. The ESCoE Conference on Economic Measurement 2018, Bank of England, London, May.

Jongman, Wim, Jan Jacobs and Geertje Klein Goldewijk. Health and Wealth in the Roman Empire (2018). PEGDECH Seminar, University of Groningen, September.

2019

Lugalla, Irene Mkini, Jan Jacobs and Wim Westerman (2019). Drivers of women entrepreneurs in tourism in Tanzania: capital, goal setting and business growth. The ISINI session at the CEVI conference in Ankara, Turkey, May.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2019). Can GDP measurement be further improved? Data revision and data reconciliation. The SCE 25th International Conference on Computing in Economics and Finance (CEF 2019), Carlton University. Ottawa, June; Joint Montréal Macro Brownbag, Montréal, November.

Abeln, Barend, Jan P.A.M. Jacobs and Machiel Mulder (2019). Seasonal adjustment of high-frequency data. CPB the Hague, September; CFE 2019, London, December.

2020

Jacobs, Jan, Denise Osborn and Jing Tian (2020). Multivariate Trend-Cycle-Seasonal Decomposition with Correlated Innovations (2019). Mardi Dungey Memorial Research Conference Washington DC, February.

Jacobs, Jan P.A.M., Samad Sarferaz, Jan-Egbert Sturm and Simon van Norden (2020). Can GDP measurement be further improved? Data revision and data reconciliation. 2020 Conference on Real-Time Data Analysis, Methods, and Applications, Federal Reserve Bank of Philadelphia, October (virtual).

2021

Abeln, Barend and Jan P.A.M. Jacobs (2021). COVID19 and Seasonal Adjustment. Conjunctuurdag 2021, April; CPB seminar nowcasting/forecasting, April (virtual); CIRET Conference, Poznan, Poland, September (virtual).

Abeln, Barend, Jan P.A.M. Jacobs and Peter A.G. van Bergeijk (2021). The data fog of COVID-19: HICP, National Accounting, Nowcasting and Seasonal Adjustment during a Pandemic. CPB seminar nowcasting/forecasting, April (virtual).

Can Xu, Jan P.A.M. Jacobs and Jakob de Haan (2021). Does household borrowing reduce the trade balance? Evidence from developing and developed countries. SOM PhD Conference, Groningen, June (virtual).

Xin Tian, Jan P.A.M. Jacobs and Jakob de Haan (2021). Measuring and Comparing the Global Financial Cycle. SOM PhD Conference, Groningen, June (virtual).

Goto, Eiji, Jan P.A.M. Jacobs, Tara M. Sinclair and Simon van Norden (2021). Employment Reconciliation and Nowcasting. *friedlyfaces* webinar series, June (virtual); Real-time Economics Conference 2021, Banque de France, Paris, France, October (virtual).

Boonman, Tjeerd M., J. Paul Elhorst, Jan P.A.M. Jacobs and Zhongbo Jing (2021). Contagion of currency crises. Empirical Macro-Finance Workcamp, Groningen, June (virtual).

De Haan, Jakob, Jan P.A.M. and Renske Zijm (2021). Coherence of output gaps in the euro area during the COVID-19 shock. XVIII INTECO Workshop 2021, Valencia, November.

2022

Jing Tian, Jan P.A.M. Jacobs and Denise Osborn (2022). Multivariate decompositions with correlated innovations. Women in Macro. University of Sydney, February (virtual); University of Melbourne, April; University of Adelaide, August.

Goto, Eiji, Jan P.A.M. Jacobs, Tara M. Sinclair and Simon van Norden (2022). Employment Reconciliation and Nowcasting. Virtual brown bag seminar Federal Reserve Bank Philadelphia, February; The 29th Symposium of the Society for Nonlinear Dynamics & Econometrics (SNDE ONLINE 2022), March; the Economic Statistics Centre of Excellence (ESCoE) Conference on Economic Measurement (EM) 2022, University of Strathclyde, Glasgow, May; The SCE 28th International Conference on Computing in Economics and Finance (CEF 2022), Southern Methodist University, Dallas, Texas, June; Armenian Economic Association 2022 Annual Meetings.

Jacobs, Jan P.A.M. (2022) Discussion of John Glaser, Peter B. Meyer, Jay Stewart, and Jerin Varghese "How large are long-run revisions to estimates of U.S. labor productivity growth?" Society of Government Economists Annual Conference 2022, April (virtual).

Xin Tian, Jan P.A.M. Jacobs, and Jakob de Haan (2022). Alternative Measures for the Global Financial Cycle: Do They Make a Difference? The 16th Economics & Finance Conference, the University of Economics, Prague, Czech Republic, June; The Twentieth Annual EEFS Conference, Krakow University of Economics, Krakow, Poland, June.

De Haan, Jakob, Jan Jacobs and Renske Zijm (2022). Coherence of output gaps in the euro area: The impact of the COVID-19 shock. The3rd Ariel Conference on the Political Economy of Public Policy, Ariel University, Israel, September.

Abeln, Barend, Jan P.A.M. Jacobs and Machiel Mulder (2022). Seasonal adjustment of daily data. 2nd Workshop on Time Series Methods for Official Statistics, Paris, France, September.

2023

Jing Tian, Jan P.A.M. Jacobs and Denise Osborn (2023). Multivariate decompositions with correlated innovations. Groningen Metrics Meet (GMM), April.

Goto, Eiji, Jan P.A.M. Jacobs, Tara M. Sinclair and Simon van Norden (2023). Employment Reconciliation and Nowcasting. Applied Time Series Econometrics Workshop, FRB St Louis, April; Joint Montreal Macro Brownbag, CIRANO, Montréal, April; IAAE Annual Conference 2023, Oslo, Norway, June; the CIRET/EK/Statistics Finland/Bank of Finland/KOF Workshop, Helsinki, September.

Goto, Eiji, Jan P.A.M. Jacobs and Simon van Norden (2023). Data-Driven Learning About Trend Productivity Growth. 8th Annual Conference of the Society for Economic Measurement, Milano, Italy, June-July; 29th International Conference Computing in Economics and Finance, Université Côte d'Azur, Nice, France, July; 17th International Conference on Computational and Financial Econometrics (CFE 2023), Berlin, Germany, December.

2024

Goto, Eiji, Jan P.A.M. Jacobs and Simon van Norden (2024). Data-Driven Learning About Trend Productivity Growth. 31st Symposium of the Society for Nonlinear Dynamics & Econometrics (SNDE 2024), Padova, March.

Refereeing

Grants

Australian Research Council; Social Sciences and Humanities Research Council in Canada; NWO/MaGW, the Netherlands.

Journals

Anthropologischer Anzeiger / HOMO, *Applied Economics*, *Applied Financial Economics*, *Annals of Regional Science*, *CPB Working Papers*, *Colombian Journal of Statistics*, *De Economist*, *Econometric Reviews*, *Econometrica*, *Economic Analysis and Policy*, *Economic Change and Restructuring*, *Economic Modelling*, *Economic Record*, *Economic Systems*, *Economic Systems Research*, *Economics and Human Biology*, *Empirica*, *Empirical Economics*, *Emerging Markets Finance and Trade*, *Energies*, *Eurona*, *European Economic Review*, *European Journal of Political Economy*, *European Review of Economic History*, *Explorations in Economic History*, *Financial Innovation*,*Geographical Analysis*, *German Economic Review*, *International Economics and Economic Policy*, *International Finance*, *International Journal of Finance and Economics*, *International Journal of Forecasting*, *International Review of Economics and Finance*, *Journal of Applied Econometrics*, *Journal of Asian Economics*, *Journal of Banking and Finance*, *Journal of Business Cycle Measurement and Analysis*, *Journal of Business Cycle Research*, *Journal of Business & Economic Statistics*, *Journal of Common Market Studies*, *Journal of Economic Behavior and Organization*, *Journal of Economic Surveys*, *Journal of Econometrics*, *Journal of International Money and Finance*, *Journal of Macroeconomics*, *Journal of Money, Credit and Banking*, *Journal of Multivariate Analysis*, *Journal of Official Statistics*, *Journal of Productivity Analysis*, *Journal of Regional Science*, *Journal of Time Series Econometrics*, *Macroeconomic Dynamics*, *Metroeconomica*, *Open Economies Review*, *Oxford Bulletin of Economics and Statistics*, *Papers in Regional Science*, *Regional Studies*, *Resource and Energy Economics*, *Review of International Economics*, *Review of World Economics*, *Scandinavian Journal of Economics*, *Scottish Journal of Political Economy*, *Social Sciences and Humanities Open*, *Statistica Neerlandica*, *South Eastern Europe Journal of Economics*, *Structural Change and Economic Dynamics*, *Technological and Economic Development of Economy*, *Technology in Society*, *The Energy Journal.*