

List of Publications

Robert Stehrer

External Publications

Articles in refereed journals

- 'Global Value Chains, Technology Sovereignty and the Role of China in International Knowledge Diffusion' (with Bernhard Dachs and Anna Wolfmayr), *Journal of Industrial and Business Economics*, 2025, forthcoming
- 'The EU27's 'energy-renewables' ecosystem: international competitiveness, dependencies and policy aspects' (with Francesca Guadagno), *Journal of Industrial and Business Economics*, April 2025
- 'Assessing the impact of new technologies on wages and labour income shares' (with Antea Barišić and Mahdi Ghodsi), *Technological Forecasting and Social Change*, Volume 209, December 2024, 123782
- 'Wrapping input-output multipliers in confidence intervals' (with Antonio F. Amores, Jose M. Rueda-Cantuche and David Zenz), *Journal of Economic Structures*, 13, 17, October 2024
- 'Which migrant jobs are linked with the adoption of novel technologies, robotisation, and digitalisation?' (with Antea Barišić and Mahdi Ghodsi), *Technology in Society*, September 2024
- 'State Aid, R&D, and the Digital Content of Trade' (with Chiara Castelli, Dario Guarascio and Stefan Jestl), *Applied Economics Letters*, June 2024
- 'The impact of ICT and intangible capital accumulation on employment growth and labour income shares', *Structural Change and Economic Dynamics*, Volume 70, 2024, pp. 211-220
- 'Assessing the importance of risky products in international trade and Global Value Chains' (with Oliver Reiter), in: Robert Holzmann, Tomáš Slačik and Julia Wörz (eds), *Empirica, Journal of European Economics*, Volume 50, Issue 1, February 2023, pp. 7-33
- 'Russia's invasion of Ukraine: assessment of the humanitarian, economic, and financial impact in the short and medium term' (with Vasily Astrov, Alexandra Bykova, Mahdi Ghodsi, Richard Grieveson, Mario Holzner, Artem Kochnev, Michael Landesmann, Olga Pindyuk and Marina Tverdostup), *International Economics and Economic Policy*, June 2022
- 'Productivity Drivers: Empirical Evidence on the Role of Digital and Intangible Capital, FDI and Integration' (with Amat Adarov, David Klenert and Robert Marschinski), *Applied Economics, Taylor & Francis*, Volume 54, Issue 48, May 2022, pp. 5515-5531
- 'Import demand elasticities revisited' (with Mahdi Ghodsi and Julia Grübler), *The Journal of International Trade & Economic Development*, Volume 31, Issue 1, 2022, pp. 46-74
- 'Trade Policy and Global Value Chains: Tariffs versus Non-Tariff Measures' (with Mahdi Ghodsi), *Review of World Economics*, January 2022
- 'Supply Chain Fragmentation and the Global Trade Elasticity: A New Accounting Framework' (with Gaaitzen J. De Vries, Bart Los and Marcel Timmer), *IMF Economic Review*, Vol. 69, Issue 4, December 2021, pp. 656-680
- 'Implications of Foreign Direct Investment, Capital Formation and its Structure for Global Value Chains' (with Amat Adarov), *The World Economy*, Volume 44, Issue 11, November 2021, pp. 3246-3299
- 'Non-Tariff Measures and the Quality of Imported Products' (with Mahdi Ghodsi), *Cambridge University Press, World Trade Review*, Vol. 20, No. 4, October 2021, pp. 1 - 22
- 'On the new gold standard in EU trade integration: reviewing the EU-Japan EPA' (with Julia Grübler and Oliver Reiter), *Empirica / Journal of European Economics*, Volume 48, April 2021
- 'Avoiding and escaping the 'commodity trap' in development' (with Mahdi Ghodsi), *Global Business and Economics Review*, Vol. 23, No. 2, 2020
- 'EU Trade Regulations and Imports of Hygienic Poultry' (with Mahdi Ghodsi), *Croatian Economic Survey*, Vol. 21, No. 2, 2019, pp. 117-149
- 'The importance of absorptive capacities: productivity effects of international R&D spillovers through intermediate

- inputs' (with Neil Foster-McGregor and Johannes Pöschl), *Economics of Innovation and New Technology*, Vol. 26, No. 8, 2017, pp. 719-733
- 'International R&D spillovers and Business Service Innovation' (with Neil Foster-McGregor and Johannes Pöschl), *The World Economy*, Vol. 39, No. 12, 2016, pp. 2025-2045
 - 'R&D and non-R&D innovators during the global financial crisis: The role of binding credit constraints' (with Sandra M. Leitner), *Latin American Journal of Economics*, Vol. 53, No. 1, 2016, pp. 1-38
 - 'Collateral imbalances in intra-European trade? Accounting for the differences between gross and value added trade balances' (with Arne J. Nagengast), *The World Economy*, Vol. 39, No. 9, 2016, pp. 1276-1306
 - 'Offshoring and the Elasticity of Labour Demand' (with Neil Foster-McGregor and Johannes Pöschl), *Open Economies Review*, Vol. 27, No. 3, 2016, pp. 515-540
 - 'The Great Collapse in Value Added Trade' (with Arne J. Nagengast), *Review of International Economics*, Vol. 24, No. 2, 2016, pp. 392-421
 - 'Reallocation Effects in the Specific Factors and Heckscher-Ohlin Models under Firm Heterogeneity' (with Eddy Bekkers), *Economic Modelling*, Vol. 49, 2015, pp. 104-119
 - 'An Illustrated User Guide to the World Input-Output Database: the Case of Global Automotive Production' (with Gaaitzen J. De Vries, Erik Dietzenbacher, Bart Los and Marcel Timmer), *Review of International Economics*, Vol. 23, No. 3, 2015, pp. 575-605
 - 'Global Value Chains: A View from the Euro Area' (with Rita Cappariello and Amador João), *Asian Economic Journal*, Vol. 29, No. 2, 2015, pp. 99-120
 - 'New Industry-Level Analysis in Asia and Europe: Introduction' (with Kiyotaka Sato), *Asian Economic Journal*, Vol. 29, No. 2, 2015, pp. 93-97
 - 'Whither Panama? Construction a consistent and bilateral world SUT system including international trade and transport margins' (with Gerhard Streicher), *Economic Systems Research*, Vol. 27, No. 2, 2015, pp. 213-237
 - 'Slicing up global value chains' (with Gaaitzen J. De Vries, Abdul Azeez Erumban, Bart Los and Marcel Timmer), *Journal of Economic Perspectives*, Vol. 28, No. 2, 2014, pp. 99-118
 - 'Cars "Made in Europe"' (with Doris Hanzl-Weiss), *Croatian Economic Survey*, Vol. 16, No. 1, 2014, pp. 49-74
 - 'Offshoring and the Skill Structure of Labour Demand' (with Gaaitzen J. De Vries and Neil Foster-McGregor), *Review of World Economics*, Vol. 149, No. 4, 2013, pp. 631-662
 - 'Fragmentation, Income and Jobs. An Analysis of European Competitiveness' (with Gaaitzen J. De Vries, Bart Los and Marcel Timmer), *Economic Policy*, Vol. 28, No. 76, 2013, pp. 613-661
 - 'Value added content of trade: A comprehensive approach' (with Neil Foster-McGregor), *Economics Letters*, Vol. 120, No. 2, 2013, pp. 354-357
 - 'Access to finance and composition of funding during the crisis: A firm level analysis of Latin American countries' (with Sandra M. Leitner), *Latin American Journal of Economics*, Vol. 50, No. 2, 2013, pp. 1-47
 - 'The Construction of World Input-Output Database in the WIOD Project' (with Gaaitzen J. De Vries, Erik Dietzenbacher, Bart Los and Marcel Timmer), *Economic Systems Research*, Vol. 25, No. 1, 2013, pp. 71-98
 - 'Austrian Exporters - Unique or alike? New insights and missing puzzle pieces' (with Johannes Pöschl and Roman Stöllinger), *Empirica*, Vol. 39, No. 12, 2012, pp. 375-405
 - 'Goodwin or Kalecki in demand? Functional income distribution and aggregate demand in the short run' (with E. Stockhammer), *Review of Radical Political Economy*, Vol. 43, No. 4, 2011, pp. 506-522
 - 'Shapes and Determinants of Returns to Innovation' (with Sandra M. Leitner), *Economics of Innovation and New Technology*, Vol. 20, No. 8, 2011, pp. 777-795
 - 'The impact of preferential trade agreements on the margins of international trade' (with Neil Foster-McGregor and Johannes Pöschl), *Economic Systems*, Vol. 35, No. 1, 2011, pp. 84-97
 - 'Preferential trade agreements and the structure of international trade' (with Neil Foster-McGregor), *Review of World Economics*, Vol. 147, No. 3, 2011, pp. 385-409
 - 'Determinants of Regional Economic Growth by Quantile' (with Jesús Crespo-Cuaresma and Neil Foster-McGregor), *Regional Studies*, Vol. 45, No. 6, 2011, pp. 809-826
 - 'The Impact of Preferential Trade Agreements on Intra-Industry Trade' (with Neil Foster-McGregor), *Review of World Economics*, Vol. 147, No. 3, 2011, pp. 385-409
 - 'Migrants' Skills and Productivity: A European Perspective' (with Peter Huber and Michael Landesmann), *National Institute Economic Review*, No. 213, July 2010, R20-R34
 - 'The Role of Public Policy in Closing Foreign Direct Investment Gaps: An Empirical Analysis' (with Christian Bellak and Markus Leibrecht), *Empirica*, Vol. 37, No. 1, 2010, pp. 19-46
 - 'The Effects of Factor- and Sector-biased Technical Change Revisited', *Economic Change and Restructuring*, Vol. 43, 2010, pp. 65-94
 - 'Trade Integration, Outsourcing and Employment in Austria: A Decomposition Approach' (with Wolfgang Koller), *Economic Systems Research*, Vol. 22, No. 3, 2010, pp. 237-261
 - 'Sectoral Productivity, Density and Agglomeration in the Wider Europe' (with Neil Foster-McGregor), *Spatial Economic Analysis*, Vol. 4, No. 4, 2009, pp. 377-396

- 'The Sector-Bias of Skill-Biased Technical Change and the Rising Skill Premium in Transition Economies' (with Piero Esposito), *Empirica*, Vol. 36, 2009, pp. 351-364
- 'Attract FDI!' - A Universal Golden Rule? Empirical Evidence for OECD and Selected Non-OECD Countries' (with Julia Wörz), *European Journal of Development Research*, Vol. 21, No. 1, 2009, pp. 95-111
- 'Industrial Diversity, Trade Patterns, and Productivity Dynamics' (with Julia Wörz), *Review of Development Economics*, Vol. 13, No. 2, 2009, pp. 356-372
- 'Neighbours in Transition' (with Michael Peneder), *National Institute Economic Review*, No. 2000, April 2007
- 'Modeling Transformation in CEECs Using Smooth Transitions' (with Neil Foster-McGregor), *Journal of Comparative Economics*, Vol. 35, No. 1, 2007, pp. 57-86
- 'Income Distribution, Technical Change and the Dynamics of International Economic Integration' (with Michael Landesmann), *Metroeconomica/International Review of Economics*, Vol. 58, No. 1, 2007, pp. 45-73
- 'Modelling International Economic Integration: Patterns of Catching-Up and Foreign Direct Investment' (with Michael Landesmann), *Economia Politica - Journal of Analytical and Institutional Economics*, Vol. XXIII, No. 3, 2006, pp. 335-362
- 'Goodwin's Structural Economic Dynamics: Modelling Schumpeterian and Keynesian Insights' (with Michael Landesmann), *Structural Change and Economic Dynamics*, Vol. 17, No. 4, 2006, pp. 501-524
- 'Technology Diffusion, International Competition and Effective Demand' (with Michael Landesmann), *Revue d'Économie Industrielle*, Vol. 105, No. 1, 2005, pp. 23-46
- 'Dimensions of Quality Upgrading - Evidence for CEEC's' (with Uwe Dulleck, Neil Foster-McGregor and Julia Wörz), *The Economics of Transition*, Vol. 13, No. 1, 2005, pp. 51-76
- 'Technological Convergence and Trade Patterns' (with Julia Wörz), *Weltwirtschaftliches Archiv/Review of World Economics*, Vol. 139, No. 2, 2003, pp. 1-28
- 'International Outsourcing and the Skill-Specific Wage Bill in Eastern Europe' (with Peter Egger), *The World Economy*, Vol. 26, No. 1, 2003, pp. 61-72
- 'Evolving Competitiveness of CEEC's in an Enlarged Europe' (with Michael Landesmann), *Rivista di Politica Economica*, Vol. XCII, No. I-II, 2003, pp. 23-88
- 'Dynamics of Trade Integration and Technological Convergence', *Economic Systems Research*, Vol. 14, No. 3, 2002, pp. 219-244
- 'Convergence Patterns and Switchovers in Comparative Advantage' (with Michael Landesmann), *Structural Change and Economic Dynamics*, Vol. 12, No. 4, 2001, pp. 399-423
- 'Industrial Specialisation, Catching-up and Labour Market Dynamics' (with Michael Landesmann), *Metroeconomica/International Review of Economics*, Vol. 51, No. 1, 2000, pp. 67-101

Books (Monographs and editorship)

- *The EU and Global Production Networks: The Length of Value Chains, Patterns and Dynamics of Industrial Ecosystems* (with Bernhard Dachs and Martina Neuländtner), Robert Marschinski (eds), JRC130873, Publications Office of the European Union, Luxembourg, 2022
- *Analysis of value chains in the Western Balkan economies - Enriching the potential for regional cooperation in priority areas* (with Isidora Beraha, Helmut Berrer, Michael Boch, Sonja Djuricin, Georg Graser, Branimir Jovanović, Niko Korpar, Isidora Ljumovic, Darko Marjanovic, Monika Matusiak, Nikola Radovanovic and Ruslan Rakhmatullin), Monika Matusiak, Nikola Radovanovic and Ruslan Rakhmatullin (eds), Publications Office of the European Union, Luxembourg, 2022
- *Capital dynamics, global value chains, competitiveness and barriers to FDI and capital accumulation in the EU* (with Amat Adarov), Publications Office of the European Union, Luxembourg, 2020
- *The Internationalisation of Business R&D* (with Bernhard Dachs and Georg Zahradnik), New Perspectives on the Modern Corporation series, Edward Elgar, Cheltenham, 2014
- *Industrial Productivity in Europe: Growth and Crisis* (with Matilde Mas), Edward Elgar, 2012
- *Strukturwandel und Beschäftigungsdynamik. Langfristige Trends und komplexe Modellierung sozio-ökonomischer Transformationen*, Verlag Peter Lang, 2002

Articles in books

- 'The Regional Comprehensive Economic Partnership (RCEP) agreement and its economic implications' (with Nina Vujanović), in: Ernest Gnan, Christoph Schneider and Claudia Stowasser (eds), *Schwerpunkt Außenwirtschaft 2021/2022, Reglobalisation: Changing patterns*, Österreichische Nationalbank (OeNB), Wirtschaftskammer Österreich (WKO), 2022, pp 207-210
- 'Trade in COVID-19-related products in Austria and the EU27 during the pandemic' (with Oliver Reiter), in: Ernest Gnan and Christoph Schneider (eds), *Schwerpunkt Außenwirtschaft 2020/2021: Der Corona-Effekt: Strukturwandel und außenwirtschaftliche Auswirkungen*, Facultas Verlags- und Buchhandels AG, 2021, pp. 167-176

- 'Implications of the Belt and Road Initiative for Central, East, and Southeast Europe' (with Julia Grübler), in: Alfred Gerstl and Ute Wallenböck (eds), *China's Belt and Road Initiative*, Chapter 12, Routledge, London, November, 2020
- 'Non-tariff Measures in the Presence of Global Value Chains and their Impact on Productivity' (with Mahdi Ghodsi), in: Joseph F. Francois and B. Hoekman (eds), *Behind-the-border Policies. Assessing and Addressing Non-tariff Measures*, Chapter 4, Cambridge University Press, Cambridge, 2019, pp. 65-99
- 'Non-tariff measures for better or worse' (with Mahdi Ghodsi, Julia Grübler and Oliver Reiter), in: Ewald Nowotny, Doris Ritzberger-Grünwald and Helene Schuberth (eds), *Structural Reforms for Growth and Cohesion. Lessons and Challenges for CESEE Countries and a Modern Europe*, Chapter 7, Edward Elgar Publishing, Cheltenham, 2018, pp. 78-101
- 'Non-tariff measures becoming ever more important, but also trickier to evaluate' (with Julia Grübler), in: Ernest Gnan and Ralf Kronberger (eds), *Schwerpunkt Außenwirtschaft 2017/2018: Protektionismus: Ursachen, Erscheinungsformen, ökonomische Effekte*, Facultas, Wien, 2018, pp. 227-245
- 'Wirtschaftliche Potenziale für Österreich entlang der Neuen Seidenstraße' (with Julia Grübler), in: Peter Buchas and Bernhard Müller (eds), *Die Neue Seidenstraße. Vision - Strategie - Wirklichkeit*, urban future edition, Wiener Neustadt, 2018, pp. 39-56
- 'Global and Regional Value Chains' (with Doris Hanzl-Weiss, Sandra M. Leitner and Roman Stöllinger), in: Mattia Di Ubaldo, Klaus S. Friesenbichler, Christian Glocker, Doris Hanzl-Weiss, Werner Hölzl, Serguei Kaniovski, Agnes Kügler, Sandra M. Leitner, Andreas Reinstaller, Iulia Siedschlag, Robert Stehrer, Roman Stöllinger, Gerhard Streicher and Zuzanna Studnicka (eds), *Drivers and Obstacles to Competitiveness in the EU. The Role of Value Chains and the Single Market*, Chapter 4, WIFO, Vienna, 2017, pp. 202-290
- 'Foreign value added in European exports' (with Rita Cappariello and Amador João), in: Richard E. Baldwin and Filippo di Mauro (eds), *Europe in the Age of Global Value Chains: Maps and Policy Issues*, Chapter 2.3, A VoxEU.org Book, 2015
- 'The factor content of Global Value Chains' (with Gaaitzen J. De Vries, Bart Los and Marcel Timmer), in: Richard E. Baldwin and Filippo di Mauro (eds), *Europe in the Age of Global Value Chains: Maps and Policy Issues*, Chapter 2.4, A VoxEU.org Book, 2015
- 'GVCs and the great collapse in value added trade' (with Arne J. Nagengast), in: Richard E. Baldwin and Filippo di Mauro (eds), *Europe in the Age of Global Value Chains: Maps and Policy Issues*, Chapter 4.1, A VoxEU.org Book, 2015
- 'On the interpretation of trade imbalances' (with Arne J. Nagengast), in: Richard E. Baldwin and Filippo di Mauro (eds), *Europe in the Age of Global Value Chains: Maps and Policy Issues*, Chapter 4.4, A VoxEU.org Book, 2015
- 'Introduction' (with Bernhard Dachs and Georg Zahradnik), *The Internationalisation of Business R&D*, Chapter 1, Edward Elgar, Cheltenham, 2014
- 'Host Country Determinants of R&D Internationalisation' (with Sandra M. Leitner), *The Internationalisation of Business R&D*, Chapter 9, Edward Elgar, Cheltenham, 2014
- 'Impacts of R&D Internationalisation on domestic R&D Activities' (with Sandra M. Leitner), *The Internationalisation of Business R&D*, Chapter 11, Edward Elgar, Cheltenham, 2014
- 'Determinants of International R&D Activities: Evidence from a Gravity Model' (with Bernhard Dachs and Sandra M. Leitner), in: Thomas Scherngell (eds), *The geography of networks and R&D collaborations*, Chapter 10, Advances in Spatial Science, Springer, 2013, pp. 175-200
- 'The impact of recessions on labour market structure' (with John Hurley, Donald Storrie and Terry Ward), in: John Hurley, Enrique F. Macias and Donald Storrie (eds), *Transformation of the employment structure in the EU and the US, 1995-2007*, Chapter 10, Palgrave, 2012, pp. 244-278
- 'Methodology' (with Enrique F. Macias and Terry Ward), in: John Hurley, Enrique F. Macias and Donald Storrie (eds), *Transformation of the employment structure in the EU and the US, 1995-2007*, Chapter 2, Palgrave, 2012, pp. 16-25
- 'Internationalisation of business investments in R&D and analysis of their economic impact' (with Bernhard Dachs, Neil Foster-McGregor, Doris Hanzl-Weiss, Gabor Hunya, Franziska Kampik, Sandra M. Leitner, Thomas Scherngell, Waltraut Urban and Georg Zahradnik), European Commission Directorate General for Research and Innovation, Luxembourg, 2012
- 'Attract FDI!' - A Universal Golden Rule? Empirical Evidence for OECD and Selected Non-OECD Countries' (with Julia Wörz), in: Helge Hveem and Carl H. Knutsen (eds), *Governance and knowledge: The politics of foreign investment, technology and ideas*, Chapter 9, Routledge, 2012, pp. 133-148
- 'The Effects of High-Tech Capital, FDI on Demand for Skills in East and West' (with Piero Esposito), in: Matilde Mas and Robert Stehrer (eds), *Industrial Productivity in Europe: Growth and Crisis*, Chapter 13, Edward Elgar, 2012, pp. 386-402
- 'Skills and the Competitiveness of EU Manufacturing Industries' (with Michael Landesmann), in: Matilde Mas and Robert Stehrer (eds), *Industrial Productivity in Europe: Growth and Crisis*, Chapter 12, Edward Elgar, 2012, pp. 368-385

- 'Growth Resurgence, Productivity Catching-Up and Labour Demand in CEECs' (with Peter Havlik and Sebastian Leitner), in: Matilde Mas and Robert Stehrer (eds), *Industrial Productivity in Europe: Growth and Crisis*, Chapter 8, Edward Elgar, 2012, pp. 219-263
- 'Introduction' (with Matilde Mas), in: Matilde Mas and Robert Stehrer (eds), *Industrial Productivity in Europe: Growth and Crisis*, Edward Elgar, 2012, pp. 1-10
- 'Wechselkursentwicklung des Euro und Auswirkungen auf Exporte im Euro-Raum', *Österreichs Außenwirtschaft 2010*, Chapter 12, Kompetenzzentrum Forschungsschwerpunkt Internationale Wirtschaft (FIW), Vienna, December 2010, pp. 209-224
- 'Trade and Growth: 'South-North' Integration, Outsourcing and Skills' (with Michael Landesmann), in: Ralf Kronberger, Michael Landesmann and Peter Mooslechner (eds), *Proceedings of OeNB Workshops, No. 14: International Trade & Domestic Growth: Determinants, Linkages and Challenges*, OENB, Vienna, 2009, pp. 52-88
- 'Goodwin's Structural Economic Dynamics in the Context of Globalisation' (with Michael Landesmann), in: Peter Flaschel and Michael Landesmann (eds), *Mathematical Economics and the Dynamics of Capitalism. Goodwin's Legacy Continued*, Chapter 14, Routledge, London, 2008, pp. 256-285
- 'Comparative Analysis of Distributional Characteristics of European Job Dynamics', *MICRO-DYN Deliverable*, No. 21, 2008
- 'Outsourcing Activities in the World Economy', in: Peter Barrar and Roxane Gervais (eds), *Global Outsourcing Strategies. An International Reference on Effective Outsourcing Relationships*, Chapter 10, Gower Publications, Hampshire, UK, 2006
- 'Hungary, Slovakia and the Czech Republic: Longer-Term Growth Prospects' (with Leon Podkaminer), *Proceedings of OeNB workshops, No. 9: New Regional Economics in Central European Economies*, OENB, Vienna, 2006
- 'Evolving Competitiveness of CEECs in an Enlarged Europe' (with Michael Landesmann), in: S. Manzoocchi (eds), *The Economics of Enlargement*, Chapter 2, Palgrave Macmillan, 2003
- 'Trade Structures, Quality Differentiation, and Technical Barriers in CEEC-EU Trade' (with Michael Landesmann), in: Paul Brenton (eds), *Enlargement, Trade and Investment: The Impact of Barriers to Trade in Europe*, Chapter 4, Edward Elgar, Cheltenham, 2002, pp. 64-92
- 'Technical Progress in a Dynamic Input-Output Model with Heterogenous Labour', in: Robin Cowan and Nicolas Jonard (eds), *Heterogeneous Agents, Interactions and Economic Performance, Lecture Notes in Economics and Mathematical Systems Series*, Chapter 20, Springer Verlag, Berlin, 2002, pp. 323-339
- 'Technical Change, Effective Demand and Economic Growth' (with Michael Landesmann), in: Neri Salvadori (eds), *Old and New Growth Theories: An Assessment*, Chapter 9, Edward Elgar, Cheltenham, 2002, pp. 155-190
- 'The European Unemployment Problem: A Structural Approach' (with Michael Landesmann), in: Pascal Petit and L. Soete (eds), *Technology and the Future of European Employment*, Chapter 7, Edward Elgar, Cheltenham, 2001, pp. 204-256
- 'Catching-up at the Industrial Level: Prospects for the CEECs' (with Michael Landesmann), in: Michael Landesmann (eds), *Structural Developments in Central and Eastern Europe*, Chapter 7, Bratislava, 2000
- 'Structural Economic Dynamics: Catching-up and the Global Deflationary Bias' (with Richard M. Goodwin and Michael Landesmann), in: Andras Simonovits and Albert E. Steenge (eds), *Prices, Growth and Cycles*, Chapter 9, MacMillan, London, 1997, pp. 161-183

Articles in non-refereed journals

- 'Österreich als Drehscheibe im Handel mit Osteuropa', *Die Volkswirtschaft, Magazin für Wirtschaftspolitik*, 14 April 2026
- 'US-Zolleskalation: Hintergründe und Auswirkungen' (with Oliver Reiter), *Wirtschaftspolitische Blätter, Industriepolitik*, 68. Jahrgang, Heft 2, 2025, pp. 99-109
- 'Bedeutung und Charakteristika der im österreichischen Außenhandel tätigen Firmen' (with Bernhard Dachs), *WKO, Wirtschaftspolitische Blätter*, Band 2024, Heft 1, October 2024, S. 63-68
- 'Lernen aus stürmischen Zeiten - Zu strukturellen Risiken im internationalen Handel' (with Oliver Reiter), *International: Die Zeitschrift für internationale Politik*, International Ausgabe II/2022, 2022, S. 44-47
- 'The EU-Japan EPA: A Case for Non-tariff Measures' (with Julia Grübler and Oliver Reiter), *CESifo Forum*, Vol. 10, No. 2, 2019, pp. 17-25
- 'Die Produktionsverflechtung der verarbeitenden Industrie mit Unternehmensdienstleistungen - Segen oder Fluch?' (with Sandra M. Leitner), *Wirtschaftspolitische Blätter*, Vol. 64, No. 1, 2017, pp. 35-45
- 'Die Sachgüterproduktion Österreichs: Entwicklung und gesamtwirtschaftliche Bedeutung im internationalen Vergleich' (with Doris Hanzl-Weiss and Roman Stöllinger), *Materialien zu Wirtschaft und Gesellschaft*, No. 133, 2014
- 'Outsourcing und Beschäftigung: Eine Dekompositionsanalyse' (with Wolfgang Koller), *Wirtschaftspolitische Blätter*, No. 2008/3, 2008
- 'Eine Analyse wirtschaftspolitischer Maßnahmen zur Nutzung des Potenzials für ausländische Direktinvestitionen' (with Christian Bellak and Markus Leibrecht), *Wirtschaftspolitische Blätter*, No. 3, 2008, pp. 547-560

- 'Technischer Fortschritt und Beschäftigungsprobleme', *Wirtschafts- und Sozialpolitische Zeitschrift (WISO)*, No. 1994(4), 1994

Shorter papers and comments

- 'KMU's brauchen Fachkräfte für digitale Transformation', *Blog Arbeit und Wirtschaft*, 17. Februar 2025
- 'Trump 2.0 - Protektionismus und Handelskriege unchained', *Februar 2025*, Thema Vorarlberg
- 'Bedeutung und Charakteristika der im österreichischen Außenhandel tätigen Firmen' (with Bernhard Dachs), *FIW-Spotlight*, 22. Januar 2024
- 'Importabhängigkeiten der EU bei Vorleistungsprodukten', *FIW-Spotlight*, 6. Juli 2022
- '(Post-)pandemic employment dynamics in a comparative perspective' (with Stefan Jestl), *ETUI Policy Brief 2021.12*, 2021
- 'Discussant of 'Friendly fire: the trade impact of the Russia sanctions and counter-sanctions' (with Matthieu Crozet and Julian Hinz), *Economic Policy*, Volume 35, Issue 101, pp. 97-146, 2020
- 'The Geography of CEEC's Trade', *Oxford Analytica: East Europe Daily Brief*, London, 2 March 2001
- 'Trade in Services of CEEC's', *Oxford Analytica: East Europe Daily Brief*, London, 1 March 2001
- 'Convergence and Labour Demand: Employment Projections for NMS up to 2012', *Oxford Analytica: East Europe Daily Brief*, London, 28 February 2001
- 'Productivity Outlook in CEEC's: Part II', *Oxford Analytica: East Europe Daily Brief*, London, 25 August 2000
- 'Productivity Outlook in CEEC's: Part I', *Oxford Analytica: East Europe Daily Brief*, London, 24 August 2000

Other working papers and discussion series

- 'FIW-Jahresgutachten 2026. Die österreichische Außenwirtschaft' (with Vasily Astrov, Elisabeth Christen, Martin Ertl, Harald Oberhofer, Adrian Wende and Klaus Weyerstraß), *Forschungsschwerpunkt Internationale Wirtschaft (FIW)*, Mai 2026
- 'Towards a Decarbonised and Competitive Europe: Implications for EU member states' (with Francesca Guadagno and Zuzana Zavarová), *Friedrich Ebert Stiftung, Study*, May 2025
- 'Labour demand and supply scenarios in the EU up to 2028. Are recent trends sustainable?', *The European Trade Union Institute, Working Papers*, April 2025
- 'Europe's policy options in the face of Trump's global economic reordering' (with Oliver Reiter, Sander Tordoir and Shahin Vallee), *European Parliament, Monetary Dialogue Papers*, March 2025
- 'FIW-Jahresgutachten: Die österreichische Außenwirtschaft 2025' (with Vasily Astrov, Elisabeth Christen and Harald Oberhofer), in: Harald Oberhofer and Robert Stehrer (eds), *Forschungsschwerpunkt Internationale Wirtschaft (FIW)*, Februar 2025
- 'Africa's trade with Europe: Trends, status and potential developments' (with Javier Flórez Mendoza), *FIW Policy Brief series*, No. 65, January 2025
- 'The EU27's 'energy-renewables' ecosystem: Importance, dependencies and policy aspects' (with Francesca Guadagno), *European Commission, Single Market Economics Briefs*, No. 9, April 2024
- 'FIW-Jahresgutachten: Die österreichische Außenwirtschaft 2024' (with Vasily Astrov, Harald Oberhofer and Yvonne Wolfmayr), in: Harald Oberhofer and Robert Stehrer (eds), *Forschungsschwerpunkt Internationale Wirtschaft (FIW)*, Februar 2024
- 'Dynamics of productive investment and gaps between the United States and EU countries' (with Doris Hanzl-Weiss), *European Investment Bank (EIB), EIB Working Paper 2024/01*, January 2024
- 'FIW-Jahresgutachten: Die österreichische Außenwirtschaft 2023' (with Vasily Astrov, Bettina Meinhart, Bernhard Moshhammer, Harald Oberhofer and Yvonne Wolfmayr), in: Harald Oberhofer and Robert Stehrer (eds), *Forschungsschwerpunkt Internationale Wirtschaft (FIW)*, Februar 2023
- 'Short- and medium-term sectoral employment forecasts 2021-2027', *European Trade Union Institute (ETUI), Working Paper 2022.16*, 2022
- 'A snapshot of characteristics and dynamics of Austrian exporting firms' (with Bernhard Dachs and Maria Yoveska), *FIW Research Reports*, No. 2, July 2022
- 'Ein Überblick über Charakteristika und Dynamik exportierender Unternehmen in Österreich' (with Bernhard Dachs), *FIW Policy Brief*, No. 2, July 2022
- 'Capital Accumulation, Total Factor Productivity, and Employment Growth: Medium-Term Relations in a Cross-Section Analysis', *European Commission, Working Paper 161*, May 2022
- 'Recharging the batteries How the electric vehicle revolution is affecting Central, Eastern and South-Eastern Europe' (with Julie Delanote, Matteo Ferrazzi, Mahdi Ghodsi, Doris Hanzl-Weiss, Atanas Kolev, Antonello Locci, Stephane Petti, Désirée Rückert, Jochen Schanz, Tomáš Slačik, Melani Stanimirovic, Christoph Weiss and Michael Wuggenig), *ECONOMICS - THEMATIC STUDIES, European Investment Bank (EIB)*, 89th East Jour Fixe of the Oesterreichische Nationalbank, March 2022
- 'FIW-Jahresgutachten: Die österreichische Außenwirtschaft 2022' (with Vasily Astrov, Richard Grieveson,

- Bernhard Moshhammer, Harald Oberhofer, Roman Stöllinger and Yvonne Wolfmayr), in: Harald Oberhofer and Robert Stehrer (eds), *Forschungsschwerpunkt Internationale Wirtschaft (FIW)*, Februar 2022
- 'The Regional Comprehensive Economic Partnership (RCEP) agreement: Economic implications for the EU27 and Austria' (with Nina Vujanović), *FIW*, No. 54, January 2022
 - 'FIW-Jahresgutachten: Die österreichische Außenwirtschaft UPDATE 2021' (with Harald Oberhofer, Roman Stöllinger and Yvonne Wolfmayr), in: Harald Oberhofer and Robert Stehrer (eds), *FIW*, November 2021
 - 'EU Employment Dynamics: The Pandemic Years and Beyond' (with Stefan Jestl), *ETUI - European Trade Union Institute, Working Paper*, No. 2021.09, September 2021
 - 'FIW-Jahresgutachten: Die österreichische Außenwirtschaft 2021' (with Vasily Astrov, Harald Oberhofer, Roman Stöllinger and Yvonne Wolfmayr), *FIW*, Februar 2021
 - 'Productivity Drivers: Empirical Evidence on the Role of Digital Capital, FDI and Integration' (with Amat Adarov, David Klenert and Robert Marschinski), *Publications Office of the European Union*, 2020
 - 'FIW-Jahresgutachten: Die österreichische Außenwirtschaft - UPDATE 2020' (with Vasily Astrov, Harald Oberhofer, Roman Stöllinger and Yvonne Wolfmayr), *FIW*, Oktober 2020
 - 'How EU funds tackle economic divide in the European Union' (with Julia Bachtrögl, Roland Blomeyer, Doris Hanzl-Weiss, Mario Holzner, Gabor Hunya, Veronika Kubeková, Oliver Reiter, Margit Schratzenstaller and Roman Stöllinger), *European Parliament*, July 2020
 - 'FIW-Jahresgutachten: Die österreichische Außenwirtschaft' (with Vasily Astrov, Xhesika Banushi, Oliver Fritz, Harald Oberhofer, Roman Stöllinger and Yvonne Wolfmayr), *FIW*, Februar 2020
 - 'Robotization, employment, and industrial growth intertwined across global value chains' (with Mahdi Ghodsi, Oliver Reiter and Roman Stöllinger), *ISID Working Paper (UNIDO)*, No. 12/2019
 - 'The Automatisations Challenge Meets the Demographic Challenge: In Need of Higher Productivity Growth' (with Sandra M. Leitner), *ECFIN Discussion papers*, No. 117, October 2019
 - 'The EU-Japan Economic Partnership Agreement and its relevance for the Austrian Economy' (with Julia Grübler and Oliver Reiter), *FIW Studie, FIW and BMDW*, No. 01, Vienna, October 2018
 - 'Bevölkerungs- und Wirtschaftsentwicklung in den mittel- und osteuropäischen Ländern (MOEL)' (with Vasily Astrov, Mario Holzner, Stefan Jestl, Michael Landesmann, Isilda Mara, Roman Römisch and Hermine Vidovic), *Studie im Auftrag der MA23 der Stadt Wien*, August 2018
 - 'Avoiding and escaping the 'commodity trap' in development' (with Mahdi Ghodsi), *ISID Working Paper (UNIDO)*, No. 9/2018
 - 'The evolution of trade unit values a measurement on quality' (with Alexandra Bykova and Mahdi Ghodsi), *ISID Working Paper (UNIDO)*, No. 1/2018
 - 'The Future Development of EU Exports in a Global Context' (with Sandra M. Leitner and Roman Stöllinger), *CASE Working Papers*, No. 8 (132), November 2017
 - 'Die Relevanz von nicht-tarifären Maßnahmen für den Außenhandel' (with Julia Grübler), *FIW Policy Brief*, No. 36, Vienna, September 2017
 - 'Study on Investment Needs and Obstacles along Industrial Value Chains' (with Valentijn Bilzen, Pieterjan Debergh, Mattia Di Ubaldo, Sofia Esteves, Sebastiaan Greeven, Doris Hanzl-Weiss, Daniela Kretz, Hugo Magalhães, Augusto Medina, Filipa Pinho, Francisco Rocha, Magdolna Sass, Iulia Siedschlag, Mark Spinoglio, Zuzanna Studnicka, Andrea Szalavetz and Douglas Thompson), *European Commission publication*, Brussels, April 2017
 - 'Die chinesische Investitionsoffensive "One Belt, One Road" - Wirtschaftliche Potentiale für Österreich?' (with Julia Grübler), *FIW Policy Brief*, No. 33, Vienna, February 2017
 - 'An Anatomy of the Global Trade Slowdown based on the WIOD 2016 Release' (with Gaaitzen J. De Vries, Bart Los and Marcel Timmer), *GGDC Research Memorandum*, No. 162, 2016
 - 'Production fragmentation and the global trade slowdown' (with Gaaitzen J. De Vries, Bart Los and Marcel Timmer), *VoxEU.org*, 21 November 2016
 - 'Non-Tariff Measures Trickling through Global Value Chains' (with Mahdi Ghodsi), *PRONTO Working Paper (European Commission)*, June 2016
 - 'On the correction of Eurozone external imbalances and the pitfalls of bilateral imbalance measures' (with Filippo di Mauro and Arne J. Nagengast), *VoxEU.org*, 29 January 2016
 - 'The great collapse in value added trade' (with Arne J. Nagengast), *ECB Working Paper Series*, No. 1833, 2015
 - 'Regional Implications of the Emergence of Global Value Chains' (with Bart Los and Marcel Timmer), *The Regional Science Association International Newsletter*, May, 2015
 - 'Global Value Chains: A View from the Euro Area' (with Rita Cappariello and Amador João), *ECB Working Paper Series*, No. 1761, 2015
 - 'The Central European Manufacturing Core: What is Driving Regional Production Sharing?' (with Roman Stöllinger), *FIW Studien*, No. 2, 2014/2015
 - 'Global Value Chains: A View from the Euro Area' (with Rita Cappariello and Amador João), *Working Papers Banco de Portugal*, No. 12, September 2014

- 'Collateral imbalances in intra-European trade? Accounting for the differences between gross and value added trade balances' (with Arne J. Nagengast), *Deutsche Bundesbank Discussion Paper*, No 14/2014, July 2014
- 'Collateral imbalances in intra-European trade?' (with Arne J. Nagengast), *ECB Working Paper Series*, No. 1695, July 2014
- 'Trade integration, production fragmentation and performance in Europe - blessing or curse? A comparative analysis of the New Member States and the EU-15' (with Sandra M. Leitner), *GRINCOH*, WP5, May 30th, 2014
- 'Portuguese Exports in the Global Value Chains' (with Amador João), *Banco de Portugal - Economic Bulletin*, April 2014
- 'Helping firms grow, Commission Staff Working Document SWD(2014)6319 final' (with Vasily Astrov, Alexandra Bykova, Doris Hanzl-Weiss, Olga Pindyuk and Johannes Pöschl), *European Competitiveness Report 2014*, Brussels, 2014
- 'Portuguese Exports in the Global Value Chains' (with Amador João), *Economic Bulletin Banco de Portugal*, No. 201402, April 2014
- 'Positioning Austria in the Global Economy: Value Added Trade, International Production Sharing and Global Linkages' (with Roman Stöllinger), *FIW Studien*, No. 2, October, 2013
- 'Rethinking competitiveness: The global value chain revolution' (with Gaaitzen J. De Vries, Bart Los and Marcel Timmer), *VoxEU.org*, 26 June 2013
- 'International fragmentation of production, trade and growth: Impacts and prospects for EU member states' (with Neil Foster-McGregor and Marcel Timmer), *European Economy. Economic Papers*, 484, Brussels, April 2013
- 'How Important Is Total Factor Productivity for Growth in Central, Eastern and Southeastern European Countries?' (with Konstantins Benkovskis, Ludmila Fadejeva and Julia Wörz), *Focus on European Economic Integration*, Q1, Vienna, 2013
- 'How Important is Total Factor Productivity for Growth in Central, Eastern and Southeastern European Countries?' (with Konstantins Benkovskis, Ludmila Fadejeva and Julia Wörz), *Latvijas Banka Working Paper*, 5, 2012
- 'Whither Panama? Constructing a Consistent and Balanced World SUT System Including International Trade and Transport Margins' (with Gerhard Streicher), *WIFO Working Paper*, No. 439, October 2012
- 'Trade Performance in Internationally Fragmented Production Networks: Concepts and Measures' (with Gaaitzen J. De Vries, Erik Dietzenbacher, Bart Los and Marcel Timmer), *WIOD Working Paper*, No. 11, May 2012
- 'The World Input-Output Database (WIOD): Contents, Sources and Methods' (with Valeria Andreoni, Inaki Arto, Gaaitzen J. De Vries, Abdul Azeez Erumban, Joseph F. Francois, Aurelien Genty, Reitze Gouma, Bart Los, Frederik Neuwahl, Olga Pindyuk, Johannes Pöschl, Jose M. Rueda-Cantuche, Gerhard Streicher, Umed Temurshoev and Alejandro Villanueva), *WIOD Working Paper*, No. 10, May 2012
- 'New measures of European Competitiveness: A Global Value Chain Perspective' (with Gaaitzen J. De Vries, Abdul Azeez Erumban, Bart Los and Marcel Timmer), *WIOD Working Paper*, No. 9, May 2012
- 'Trade in Value Added and the Value Added in Trade', *WIOD Working Paper*, No. 8, April 2012
- 'Value Added and Factors in Trade: A Comprehensive Approach' (with Gaaitzen J. De Vries and Neil Foster-McGregor), *WIOD Working Paper*, No. 7, April 2012
- 'Offshoring and the Skill Structure of Labour Demand' (with Gaaitzen J. De Vries, Neil Foster-McGregor and Marcel Timmer), *WIOD Working Paper*, No. 6, April 2012
- 'Subgroup and Shapely value decompositions of multidimensional inequality: An application to South East European countries' (with Sebastian Leitner), *GDN-working paper*, Vienna, 2011
- 'Change begets change: Employment effects of technological and non-technological innovations - A comparison across countries' (with Sandra M. Leitner and Johannes Pöschl), *MICRO-DYN Working Paper*, No. 32/10, 2010
- 'Do exporters share parts of their rents with their employees? Evidence from Austrian manufacturing firms' (with Sandra M. Leitner), *MICRO-DYN Working Paper*, No. 31/10, 2010
- 'Austrian Exporters: A Firm-Level Analysis' (with Johannes Pöschl and Roman Stöllinger), *MICRO-DYN Working Paper*, No. 18/10, 2010
- 'Preferential Trade Agreements and the Structure of International Trade' (with Neil Foster-McGregor), *WIOD Working Paper*, No. 4, February 2010
- 'Characteristics of exporting and non-exporting firms in Austria' (with Johannes Pöschl and Roman Stöllinger), *FIW Research Reports 2009/2010*, No. 1, Vienna, 2009
- 'Skewed Distributions and Returns to Innovative Firms in Austria' (with Sandra M. Leitner), *MICRO-DYN Working Paper*, No.12/08, 2008
- 'The Sector Bias of Skill-Biased Technical Change and the Rising Skill Premium in Transition Economies' (with Piero Esposito), *MICRO-DYN Working Paper*, No. 07/08
- 'Policies to Attract Foreign Direct Investment: An Industry-Level Analysis' (with Christian Bellak and Markus Leibrecht), *FIW Research Reports Series*, No.19, Vienna, 2008
- 'Outsourcing and Employment: A Decomposition Approach' (with Wolfgang Koller), *FIW Research Reports Series*, No. 18, Vienna, June 2008

- 'Sectoral Productivity, Density and Agglomeration in the Wider Europe' (with Neil Foster-McGregor), *MICRO-DYN Working Paper*, No. 01/08, 2008
- 'Comparative Analysis of Distributional Characteristics of European Job Dynamics', *MICRO-DYN Deliverable*, No. 21, 2008
- 'A (nearly) comprehensive model of the dynamics of international economic Integration' (with Michael Landesmann), *FLOWENLA project*, December 2002
- 'Trade Liberalisation and Labour Markets: Perspectives from OECD Economies' (with Michael Landesmann and Sebastian Leitner), *International Labour Office Employment Paper*, No. 2002/41, Geneva, 2002
- 'Technical Change, Growth and Effective Demand' (with Michael Landesmann), Conference 'Growth Theory: Old and New', Pisa, Italy, September 2001
- 'Industrial Specialisation, Trade, and Labour Market Dynamics in a Multisectoral Model of Technological Progress', *Working Paper, University Linz*, No. 0102, 2001
- 'Industrial Specialisation, Catching-up and Labour Market Dynamics' (with Michael Landesmann), *University of Linz Working Paper*, 1997

wiiw Publications

wiiw Forecast Reports

- 'Special section III: EU-CEE's demographic challenge', Riding the Global Growth Wave, *wiiw Forecast Report*, No. Spring 2018, Vienna, March 2018, pp. 47-53
- 'The impact of Brexit on GDP in the CESEE countries via trade links' (with Oliver Reiter), Labour Shortages Driving Economic Growth?, *wiiw Forecast Report*, No. Autumn 2016, Vienna, November 2016, pp. 24-28
- 'Slowdown in China: only a modest impact on the CESEE region' (with Doris Hanzl-Weiss), Mixed Prospects: Consumption Leads Fragile Recovery in the CESEE Core - CIS Stumbles, *wiiw Forecast Report*, No. Autumn 2015, Vienna, November 2015, pp. 45-48
- 'Differentiated Impact of the Global Crisis' (with Vasily Astrov, Vladimir Gligorov, Peter Havlik, Mario Holzner, Gabor Hunya, Anna Iara, Sebastian Leitner, Zdenek Lukas, Anton Mihailov, Olga Pindyuk, Leon Podkaminer, Josef Pöschl, Sandor Richter, Waltraut Urban and Hermine Vidovic), *wiiw Current Analyses and Forecasts*, No. 3, Vienna, February 2009

wiiw Monthly Reports

- 'Editorial insight: It will become important to upgrade the quality of FDI inflows', in: Vasily Astrov (eds), Monthly Report No. 05/2026 - FDI in Central, East and Southeast Europe, *wiiw Monthly Report*, No. 05, Vienna, May 2026, pp. 7-8
- 'Chart of the month: US trade deficit and the rise of protectionism', in: Vasily Astrov (eds), Monthly Report No. 3/2025, *wiiw Monthly Report*, No. 3, Vienna, March 2025, pp. 7
- 'Foreign direct investment and global value chains: empirical relationship and policy implications' (with Amat Adarov), Monthly Report No. 10/2020, *wiiw Monthly Report*, No. 10, Vienna, October 2020, pp. 12-17
- 'ICT capital and intangibles as drivers of value-added growth' (with Amat Adarov), Monthly Report No. 10/2020, *wiiw Monthly Report*, No. 10, Vienna, October 2020, pp. 18-24
- 'Opinion corner: The digital revolution: Don't panic - but stay alert', Monthly Report No. 5/2019, *wiiw Monthly Report*, No. 5, Vienna, May 2019, pp. 4-6
- 'Opinion corner: Reflections on the US trade policy and the rising role of China' (with Armon Rezai), Monthly Report No. 4/2018, *wiiw Monthly Report*, No. 4, Vienna, April 2018, pp. 2-4
- 'Opinion corner: What will change after Donald Trump's victory? Reflections by wiiw researchers' (with Vasily Astrov, Mahdi Ghodsi and Vladimir Gligorov), Monthly Report No. 11/2016, *wiiw Monthly Report*, No. 11, Vienna, November 2016, pp. 2-9
- 'Financing constraints in CESEE and FSU countries' (with Michael Landesmann and Sandra M. Leitner), Monthly Report No. 2/2016, *wiiw Monthly Report*, No. 2, Vienna, February 2016, pp. 9-12
- 'Effects of financing constraints on M&E-investment-based innovation strategies' (with Michael Landesmann and Sandra M. Leitner), Monthly Report No. 2/2016, *wiiw Monthly Report*, No. 2, Vienna, February 2016, pp. 13-15
- 'Services and the manufacturing value chain', Monthly Report No. 10/2015, *wiiw Monthly Report*, No. 10, Vienna, October 2015, pp. 13-18
- 'Specialisation in manufacturing and business services in the EU, with a particular focus on the new Member States' (with Doris Hanzl-Weiss), Monthly Report No. 3/2015, *wiiw Monthly Report*, No. 3, Vienna, March 2015, pp. 5-9
- 'The use of services in European manufacturing', Monthly Report No. 3/2015, *wiiw Monthly Report*, No. 3, Vienna, March 2015, pp. 10-13
- 'Energy cost shares and energy intensities in manufacturing: comparing the EU with its major external

- competitors', Monthly Report No. 2/2015, *wiiw Monthly Report*, No. 2, Vienna, February 2015, pp. 11-14
- 'Energy intensity, energy cost shares and industrial competitiveness' (with Vasily Astrov, Sandra M. Leitner and Olga Pindyuk), Monthly Report No. 2/2015, *wiiw Monthly Report*, No. 2, Vienna, February 2015, pp. 15-19
 - 'Developments of the gender wage gap in the European Union - reason for hope?' (with Sandra M. Leitner), Monthly Report No. 11/2014, *wiiw Monthly Report*, No. 11, Vienna, November 2014, pp. 11-13
 - 'Determinants of earnings inequalities in Europe' (with Sebastian Leitner), Monthly Report No. 11/2014, *wiiw Monthly Report*, No. 11, Vienna, November 2014, pp. 7-10
 - 'Trade integration, vertical specialisation and employment growth in the new Member States' (with Sandra M. Leitner), Monthly Report No. 3/2014, *wiiw Monthly Report*, No. 3, Vienna, March 2014, pp. 4-6
 - 'Trade in jobs: a counterfactual exercise' (with Roman Stöllinger), Monthly Report No. 3/2014, *wiiw Monthly Report*, No. 3, Vienna, March 2014, pp. 7-11
 - 'R&D and non-R&D innovators in the financial crisis: the role of binding credit constraints' (with Sandra M. Leitner), Monthly Report No. 6/2013, *wiiw Monthly Report*, No. 6, Vienna, June 2013, pp. 6-12
 - 'The gravity of cross-border R&D expenditure ' (with Bernhard Dachs and Sandra M. Leitner), Monthly Report No. 8-9/2012, *wiiw Monthly Report*, No. 8-9, Vienna, September 2012, pp. 1-6
 - 'Labour hoarding during the crisis: Evidence for selected new member states from the Financial Crisis Survey' (with Sandra M. Leitner), Monthly Report No. 7/2012, *wiiw Monthly Report*, No. 7, Vienna, July 2012, pp. 7-13
 - 'The impact of offshoring on the skill structure of labour demand' (with Neil Foster-McGregor), Monthly Report No. 6/2012, *wiiw Monthly Report*, No. 6, Vienna, June 2012, pp. 10-15
 - 'Patterns of new member states' international trade in intermediate products', Monthly Report No. 6/2011, *wiiw Monthly Report*, No. 6, Vienna, June 2011, pp. 1-6
 - 'Recent trends in the quality of traded goods: NMS are closing the gaps' (with Neil Foster-McGregor and Johannes Pöschl), Monthly Report No. 3/2011, *wiiw Monthly Report*, No. 3, Vienna, March 2011, pp. 12-19
 - 'The labour market in Serbia: an assessment' (with Vladimir Gligorov, Kosovka Ognjenović and Hermine Vidovic), Monthly Report No. 2/2011, *wiiw Monthly Report*, No. 2, Vienna, February 2011, pp. 21-27
 - 'The role of services in the new member states: a comparative analysis based on input-output tables' (with Doris Hanzl-Weiss), Monthly Report No. 1/2011, *wiiw Monthly Report*, No. 1, Vienna, January 2011, pp. 1-8
 - 'Short-run projections of patterns of job contraction in the Czech Republic, Hungary, Slovakia and Slovenia' (with Terry Ward), Monthly Report No. 5/2010, *wiiw Monthly Report*, No. 5, Vienna, May 2010, pp. 6-11
 - 'The structure of jobs across the EU: some qualitative assessments' (with Enrique F. Macias and Terry Ward), Monthly Report No. 7/2009, *wiiw Monthly Report*, No. 7, Vienna, July 2009, pp. 6-10
 - 'Skills and the performance of exports', Monthly Report No. 4/2009, *wiiw Monthly Report*, No. 4, Vienna, April 2009, pp. 11-14
 - 'Outsourcing and skills: an empirical investigation ' (with Michael Landesmann), Monthly Report No. 3/2009, *wiiw Monthly Report*, No. 3, Vienna, March 2009, pp. 15-20
 - 'Skills and the competitiveness of EU manufacturing industries' (with Michael Landesmann), Monthly Report No. 4/2008, *wiiw Monthly Report*, No. 4, Vienna, April 2008, pp. 1-11
 - 'Export quality indicators for the transition countries', Monthly Report No. 3/2006, *wiiw Monthly Report*, No. 3, Vienna, March 2006, pp. 1-3
 - 'Convergence and labour demand: employment projections for the new EU member states up to 2012', Monthly Report No. 8-9/2005, *wiiw Monthly Report*, No. 8-9, Vienna, September 2005, pp. 1-7
 - 'Structures and sectoral linkages in selected new and old EU member states' (with Waltraut Urban), Monthly Report No. 8-9/2005, *wiiw Monthly Report*, No. 8-9, Vienna, September 2005, pp. 8-12
 - 'Productivity catching-up and labour demand: employment projections for NMS and CC 2', Monthly Report No. 5/2005, *wiiw Monthly Report*, No. 5, Vienna, May 2005, pp. 7-13
 - 'Are CEECs trapped in low-quality export specialization?' (with Uwe Dulleck, Neil Foster-McGregor and Julia Wörz), Monthly Report 08-09/2003, *wiiw Monthly Report*, No. 8-9, Vienna, September 2003, pp. 10-17

wiiw Research Reports

- 'Economic implications for Europe of a potential reintegration of Iran into the world economy' (with Gabriel Felbermayr, Mahdi Ghodsi, Heider Kariem and Yoto V. Yotov), *wiiw Research Report*, No. 481, Vienna, February 2026
- 'Structural dependencies and choke points in GVCs: An industry-level analysis', *wiiw Research Report*, No. 480, Vienna, February 2026
- 'Where are the Growth Potentials in CESEE? An Illustration of Sectors and Products Using the Product Space' (with Francesca Guadagno and Doris Hanzl-Weiss), *wiiw Research Report*, No. 474, Vienna, July 2024
- 'Assessing the International Interlinkages and Dependencies of the EU27 'Energy-renewables' Ecosystem' (with Francesca Guadagno), *wiiw Research Report*, No. 473, Vienna, May 2024
- 'A Snapshot on the Characteristics and Dynamics of Austrian Exporting Firms' (with Bernhard Dachs and Maria Yoveska), *wiiw Research Report*, No. 462, Vienna, September 2022

- 'Avoiding a Trap and Embracing the Megatrends: Proposals for a New Growth Model in EU-CEE' (with Alexandra Bykova, Richard Grieveson, Doris Hanzl-Weiss, Gabor Hunya, Niko Korpar, Leon Podkaminer and Roman Stöllinger), *wiiw Research Report*, No. 458, Vienna, November 2021
- 'EU Employment Dynamics: The Pandemic Years and Beyond' (with Stefan Jestl), *wiiw Research Report*, No. 457, Vienna, November 2021
- 'Production and Trade of ICT from an EU Perspective' (with Amat Adarov, Dimitrios Exadaktylos, Mahdi Ghodsi and Roman Stöllinger), *wiiw Research Report*, No. 456, Vienna, October 2021
- 'Learning from Tumultuous Times: An Analysis of Vulnerable Sectors in International Trade in the Context of the Corona Health Crisis' (with Oliver Reiter), *wiiw Research Report*, No. 454, Vienna, July 2021
- 'Capital Dynamics, Global Value Chains, Competitiveness and Barriers to FDI and Capital Accumulation in the EU' (with Amat Adarov), *wiiw Research Report*, No. 446, Vienna, June 2020
- 'Tangible and Intangible Assets in the Growth Performance of the EU, Japan and the US' (with Amat Adarov), *wiiw Research Report*, No. 442, Vienna, October 2019
- 'Demographic Challenges for Labour Supply and Growth' (with Sandra M. Leitner), *wiiw Research Report*, No. 439, Vienna, March 2019
- 'The EU-Japan Economic Partnership Agreement and its Relevance for the Austrian Economy' (with Julia Grübler and Oliver Reiter), *wiiw Research Report*, No. 434, Vienna, November 2018
- 'The Evolution of Trade Unit Values: A Measurement on Quality' (with Alexandra Bykova and Mahdi Ghodsi), *wiiw Research Report*, No. 431, Vienna, September 2018
- 'The Iranian Economy: Challenges and Opportunities' (with Vasily Astrov, Mahdi Ghodsi and Richard Grieveson), *wiiw Research Report*, No. 429, Vienna, July 2018
- 'Global and Regional Value Chains: How Important, How Different?' (with Doris Hanzl-Weiss, Sandra M. Leitner and Roman Stöllinger), *wiiw Research Report*, No. 427, Vienna, April 2018
- 'The Evolution of Non-Tariff Measures and their Diverse Effects on Trade' (with Mahdi Ghodsi, Julia Grübler and Oliver Reiter), *wiiw Research Report*, No. 419, Vienna, May 2017
- 'The European Construction Value Chain: Performance, Challenges and Role in the GVC' (with Paul Baker, Luca Giustozzi, Jakub Gloser, Doris Hanzl-Weiss, Erik Merkus and Roelof-Jan Molemaker), *wiiw Research Report*, No. 418, Vienna, May 2017
- 'EU Wholesale Trade: Analysis of the Sector and Value Chains' (with Ella Broos, Bernhard Dachs, Martina Dünser, Doris Hanzl-Weiss, Kristof Mertens, Doris Schartinger and Valentijn Vanoeteren), *wiiw Research Report*, No. 415, Vienna, December 2016
- 'The Evolving Composition of Intra-EU Trade' (with Sandra M. Leitner, Manuel Marcias, Daniel Mirza, Olga Pindyuk, Iulia Siedschlag, Roman Stöllinger and Zuzanna Studnicka), *wiiw Research Report*, No. 414, Vienna, November 2016
- 'The Future Development of EU Industry in a Global Context' (with Sandra M. Leitner, Manuel Marcias, Daniel Mirza and Roman Stöllinger), *wiiw Research Report*, No. 409, Vienna, January 2016
- 'Infrastructure Investment in the Western Balkans' (with Mario Holzner and Hermine Vidovic), *wiiw Research Report*, No. 407, Vienna, September 2015
- 'Energy Efficiency and EU Industrial Competitiveness: Energy Costs and their Impact on Manufacturing Activity' (with Vasily Astrov, Doris Hanzl-Weiss, Sandra M. Leitner, Olga Pindyuk and Johannes Pöschl), *wiiw Research Report*, No. 405, Vienna, August 2015
- 'The Relation between Industry and Services in Terms of Productivity and Value Creation' (with Paul Baker, Neil Foster-McGregor, Koenen Johannes, Sandra M. Leitner, Julia Schrickler, Thomas Strobel, Jurgen Vermeulen, Hans-Günther Vieweg and Anastasia Yagafarova), *wiiw Research Report*, No. 404, Vienna, July 2015
- 'Competitiveness of the European Economy' (with Michael Landesmann and Sandra M. Leitner), *wiiw Research Report*, No. 401, Vienna, May 2015
- 'Earnings Distributions and Dimensions of Inequality' (with Neil Foster-McGregor, Sebastian Leitner, Sandra M. Leitner and Johannes Pöschl), *wiiw Research Report*, No. 399, Vienna, December 2014
- 'Drivers of Inequality and Poverty in the CEE and other EU Member States' (with Sebastian Leitner), *wiiw Research Report*, No. 398, Vienna, November 2014
- 'Trade Integration, Production Fragmentation and Performance in Europe - Blessing or Curse? A Comparative Analysis of the New Member States and the EU-15' (with Sandra M. Leitner), *wiiw Research Report*, No. 397, Vienna, November 2014
- 'Reducing Productivity and Efficiency Gaps: the Role of Knowledge Assets, Absorptive Capacity and Institutions' (with Neil Foster-McGregor, Johannes Pöschl, Ana Rincon-Aznar, Michaela Vecchi and Francesco Venturini), *wiiw Research Report*, No. 396, Vienna, September 2014
- 'A 'Manufacturing Imperative' in the EU - Europe's Position in Global Manufacturing and the Role of Industrial Policy' (with Neil Foster-McGregor, Mario Holzner, Michael Landesmann, Johannes Pöschl and Roman Stöllinger), *wiiw Research Report*, No. 391, Vienna, October 2013
- 'International Fragmentation of Production, Trade and Growth: Impacts and Prospects for EU Member States'

- (with Neil Foster-McGregor and Marcel Timmer), *wiiw Research Report*, No. 387, Vienna, May 2013
- 'Global Value Chains and the EU Industry' (with Martin Borowiecki, Bernhard Dachs, Doris Hanzl-Weiss, Steffen Kinkel, Johannes Pöschl, Magdolna Sass, Thomas Christian Schmall and Andrea Szalavetz), *wiiw Research Report*, No. 383, Vienna, October 2012
 - 'Sectoral Employment Effects of Economic Downturns' (with Neil Foster-McGregor, Doris Hanzl-Weiss, Sandra M. Leitner, Sebastian Leitner, Nirina Rabemiafara, Fadila Sanoussi and Terry Ward), *wiiw Research Report*, No. 379, Vienna, August 2012
 - 'Convergence of Knowledge-intensive Sectors and the EU's External Competitiveness' (with Sabine Biege, Martin Borowiecki, Bernhard Dachs, Joseph F. Francois, Doris Hanzl-Weiss, Johan Hauknes, Angela Jäger, Mark S. Knell, Gunter Lay, Olga Pindyuk and Doris Scharfing), *wiiw Research Report*, No. 377, Vienna, April 2012
 - 'Trade in Intermediate Products and EU Manufacturing Supply Chains ' (with Jyrki Ali-Yrkkö, Neil Foster-McGregor, Doris Hanzl-Weiss, Petri Rouvinen, Timo Seppälä, Roman Stöllinger and Pekka Ylä-Anttila), *wiiw Research Report*, No. 369, Vienna, February 2011
 - 'The Role of Services in the New Member States: A Comparative Analysis Based on Input-Output Tables' (with Doris Hanzl-Weiss), *wiiw Research Report*, No. 366, Vienna, November 2010
 - 'Migration, Skills and Productivity' (with Robert Hierländer, Peter Huber, Anna Iara, Michael Landesmann, Klaus Nowotny, Mary O'Mahony, Fei Peng and Catherine Robinson), *wiiw Research Report*, No. 365, Vienna, November 2010
 - 'Short-run Projections of Patterns of Job Contraction in the EU' (with Terry Ward), *wiiw Research Report*, No. 361, Vienna, February 2010
 - 'Skills and Industrial Competitiveness' (with Michael Landesmann, Sebastian Leitner and Terry Ward), *wiiw Research Report*, No. 356, Vienna, August 2009
 - 'Changes in the Structure of Employment in the EU and Their Implications for Job Quality' (with Enrique F. Macias and Terry Ward), *wiiw Research Report*, No. 354, Vienna, May 2009
 - 'South-North Integration, Outsourcing and Skills' (with Michael Landesmann), *wiiw Research Report*, No. 353, Vienna, February 2009
 - 'Western Balkan Countries: Adjustment Capacity to External Shocks, with a Focus on Labour Markets' (with Vladimir Gligorov, Anna Iara, Michael Landesmann and Hermine Vidovic), *wiiw Research Report*, No. 352, Vienna, December 2008
 - 'Hungary, Slovakia and the Czech Republic: Longer-term Growth Prospects' (with Leon Podkaminer), *wiiw Research Report*, No. 330, Vienna, October 2006
 - 'Employment, Education and Occupation Structures: A Framework for Forecasting', *wiiw Research Report*, No. 315, Vienna, April 2005
 - 'The CEECs in the Enlarged Europe: Convergence Patterns, Specialization and Labour Market Implications' (with Michael Landesmann), *wiiw Research Report*, No. 286, Vienna, July 2002
 - 'Trade Structures, Quality Differentiation and Technical Barriers in CEE-EU Trade' (with Michael Landesmann), *wiiw Research Report*, No. 282, Vienna, January 2002
 - 'Competitiveness of CEE Industries: Evidence From Foreign Trade Specialization and Quality Indicators' (with Peter Havlik and Michael Landesmann), *wiiw Research Report*, No. 278, Vienna, July 2001

wiiw Working Papers

- 'EU carbon border tax: General equilibrium effects on income and emissions' (with Javier Flórez Mendoza and Oliver Reiter), *wiiw Working Paper*, No. 254, Vienna, November 2024
- 'The Factors Driving Migration Intentions and Destination Preferences in Central, East and Southeast European Countries' (with Antea Barišić, Mahdi Ghodsi and Alireza Sabouniha), *wiiw Working Paper*, No. 247, Vienna, May 2024
- 'Which Migrant Jobs are Linked with the Adoption of Novel Technologies, Robotisation, and Digitalisation?' (with Antea Barišić and Mahdi Ghodsi), *wiiw Working Paper*, No. 241, Vienna, February 2024
- 'Assessing the Impact of New Technologies on Wages and Labour Income Shares' (with Antea Barišić and Mahdi Ghodsi), *wiiw Working Paper*, No. 240, Vienna, January 2024
- 'State Aid, R&D, and the Digital Content of Trade' (with Chiara Castelli, Dario Guarascio and Stefan Jestl), *wiiw Working Paper*, No. 237, Vienna, November 2023
- 'Demography, Capital Accumulation and Growth' (with Marina Tverdstup), *wiiw Working Paper*, No. 222, Vienna, October 2022
- 'The Impact of ICT and Intangible Capital Accumulation on Labour Demand Growth and Functional Income Shares', *wiiw Working Paper*, No. 218, Vienna, July 2022
- 'Source - Assembly - Sink: Value Added Flows in the Global Economy', *wiiw Working Paper*, No. 209, Vienna, September 2021
- 'Is ICT Still Polarising Labour Demand after the Crisis?' (with David Pichler), *wiiw Working Paper*, No. 207, Vienna, September 2021

- 'Breaking Through the Digital Ceiling: ICT Skills and Labour Market Opportunities' (with David Pichler), *wiiw Working Paper*, No. 193, Vienna, February 2021
- 'Non-Tariff Measures and the Quality of Imported Products' (with Mahdi Ghodsi), *wiiw Working Paper*, No. 189, Vienna, October 2020
- 'Does Asymmetric Nonlinear Approach Explain the Relationship Between Exchange Rate and Trade of Iran?' (with Mahdi Ghodsi and Mohammad Sharif Karimi), *wiiw Working Paper*, No. 187, Vienna, September 2020
- 'New Productivity Drivers: Revisiting the Role of Digital Capital, FDI and Integration at Aggregate and Sectoral Levels' (with Amat Adarov), *wiiw Working Paper*, No. 178, Vienna, April 2020
- 'Robotisation, Employment and Industrial Growth Intertwined Across Global Value Chains' (with Mahdi Ghodsi, Oliver Reiter and Roman Stöllinger), *wiiw Working Paper*, No. 177, Vienna, April 2020
- 'The Automatisations Challenge Meets the Demographic Challenge: In Need of Higher Productivity Growth' (with Sandra M. Leitner), *wiiw Working Paper*, No. 171, Vienna, December 2019
- 'Implications of Foreign Direct Investment, Capital Formation and its Structure for Global Value Chains' (with Amat Adarov), *wiiw Working Paper*, No. 170, Vienna, November 2019
- 'Avoiding and Escaping the 'Commodity Trap' in Development' (with Mahdi Ghodsi), *wiiw Working Paper*, No. 153, Vienna, November 2018
- 'Trade Policies and Integration of the Western Balkans' (with Oliver Reiter), *wiiw Working Paper*, No. 148, Vienna, May 2018
- 'EU Trade Regulations and Imports of Hygienic Poultry' (with Mahdi Ghodsi), *wiiw Working Paper*, No. 135, Vienna, April 2017
- 'Import Demand Elasticities Revisited' (with Mahdi Ghodsi and Julia Grübler), *wiiw Working Paper*, No. 132, Vienna, November 2016
- 'Estimating Importer-Specific Ad Valorem Equivalents of Non-Tariff Measures' (with Mahdi Ghodsi and Julia Grübler), *wiiw Working Paper*, No. 129, Vienna, September 2016
- 'Development of Public Spending Structures in the EU Member States: Social Investment and its Impact on Social Outcomes' (with Sebastian Leitner), *wiiw Working Paper*, No. 128, Vienna, August 2016
- 'The Role of Financial Constraints for Different Innovation Strategies: Evidence for CESEE and FSU Countries' (with Sandra M. Leitner), *wiiw Working Paper*, No. 125, Vienna, April 2016
- 'Changing Patterns in M&E-Investment-Based Innovation Strategies in CESEE and FSU Countries' (with Michael Landesmann and Sandra M. Leitner), *wiiw Working Paper*, No. 123, Vienna, January 2016
- 'What Determines SMEs' Funding Obstacles to Bank Loans and Trade Credits?' (with Sandra M. Leitner), *wiiw Working Paper*, No. 114, Vienna, May 2015
- 'The Great Collapse in Value Added Trade' (with Arne J. Nagengast), *wiiw Working Paper*, No. 112, Vienna, April 2015
- 'Does the Home Bias Explain Missing Trade in Factors?', *wiiw Working Paper*, No. 110, Vienna, December 2014
- 'Labour Market Transitions of Young People during the Economic Crisis' (with Sebastian Leitner), *wiiw Working Paper*, No. 109, Vienna, November 2014
- 'Capacities and Absorptive Barriers for International R&D Spillovers through Intermediate Inputs' (with Neil Foster-McGregor and Johannes Pöschl), *wiiw Working Paper*, No. 108, Vienna, October 2014
- 'Collateral Imbalances in Intra-European Trade?' (with Arne J. Nagengast), *wiiw Working Paper*, No. 107, Vienna, July 2014
- 'Accounting Relations in Bilateral Value Added Trade', *wiiw Working Paper*, No. 101, Vienna, May 2013
- 'R&D and Non-R&D Innovators in the Financial Crisis: the Role of Binding Credit Constraints' (with Sandra M. Leitner), *wiiw Working Paper*, No. 95, Vienna, February 2013
- 'Whither Panama? Constructing a Consistent and Balanced World SUT System including International Trade and Transport Margins' (with Gerhard Streicher), *wiiw Working Paper*, No. 94, Vienna, January 2013
- 'The Gravity of Cross-border R&D Expenditure' (with Bernhard Dachs and Sandra M. Leitner), *wiiw Working Paper*, No. 91, Vienna, July 2012
- 'Offshoring and the Elasticity of Labour Demand' (with Neil Foster-McGregor and Johannes Pöschl), *wiiw Working Paper*, No. 90, Vienna, July 2012
- 'Manufacturing Productivity: Effects of Service Sector Innovations and Institutions' (with Neil Foster-McGregor and Johannes Pöschl), *wiiw Working Paper*, No. 89, Vienna, July 2012
- 'Offshoring and the Skill Structure of Labour Demand' (with Gaaitzen J. De Vries and Neil Foster-McGregor), *wiiw Working Paper*, No. 86, Vienna, June 2012
- 'Labour Hoarding during the Crisis: Evidence for selected New Member States from the Financial Crisis Survey' (with Sandra M. Leitner), *wiiw Working Paper*, No. 84, Vienna, June 2012
- 'Trade in Value Added and the Valued Added in Trade', *wiiw Working Paper*, No. 81, Vienna, June 2012
- 'Value Added and Factors in Trade: A Comprehensive Approach' (with Gaaitzen J. De Vries and Neil Foster-McGregor), *wiiw Working Paper*, No. 80, Vienna, June 2012
- 'Access to Finance and Composition of Funding during the Crisis: A firm-level analysis for Latin American

- countries' (with Sandra M. Leitner), *wiiw Working Paper*, No. 78, Vienna, February 2012
- 'Reallocation Gains in a Specific Factors Model with Firm Heterogeneity' (with Eddy Bekkers), *wiiw Working Paper*, No. 77, Vienna, December 2011
 - 'Subgroup and Shapley Value Decompositions of Multidimensional Inequality - An Application to Southeast European Countries' (with Sebastian Leitner), *wiiw Working Paper*, No. 74, Vienna, March 2011
 - 'Do Exporters Share Part of their Rents with their Employees? Evidence from Austrian Manufacturing Firms' (with Sandra M. Leitner), *wiiw Working Paper*, No. 73, Vienna, February 2011
 - 'Change Begets Change: Employment Effects of Technological and Non-Technological Innovations - a Comparison across Countries' (with Sandra M. Leitner and Johannes Pöschl), *wiiw Working Paper*, No. 72, Vienna, January 2011
 - 'The Impact of Preferential Trade Agreements on the Margins of International Trade' (with Neil Foster-McGregor and Johannes Pöschl), *wiiw Working Paper*, No. 70, Vienna, September 2010
 - 'An Empirical Characterization of Redistribution Shocks and Output Dynamics' (with Klemens Hauzenberger), *wiiw Working Paper*, No. 68, Vienna, August 2010
 - 'Austrian Exporters: A Firm-Level Analysis' (with Johannes Pöschl and Roman Stöllinger), *wiiw Working Paper*, No. 67, Vienna, July 2010
 - 'Preferential Trade Agreements and the Structure of International Trade' (with Neil Foster-McGregor), *wiiw Working Paper*, No. 61, Vienna, January 2010
 - 'Trade Integration, Outsourcing and Employment in Austria: A Decomposition Approach' (with Wolfgang Koller), *wiiw Working Paper*, No. 56, Vienna, July 2009
 - 'The Determinants of Regional Economic Growth by Quantile' (with Jesús Crespo-Cuaresma and Neil Foster-McGregor), *wiiw Working Paper*, No. 54, Vienna, May 2009
 - 'Effects of High-Tech Capital, FDI and Outsourcing on Demand for Skills in West and East' (with Piero Esposito), *wiiw Working Paper*, No. 51, Vienna, March 2009
 - 'The Role of Public Policy in Closing Foreign Direct Investment Gaps: An Empirical Analysis' (with Christian Bellak and Markus Leibrecht), *wiiw Working Paper*, No. 48, Vienna, October 2008
 - 'Sectoral Productivity, Density and Agglomeration in the Wider Europe' (with Neil Foster-McGregor), *wiiw Working Paper*, No. 47, Vienna, September 2008
 - 'The Sector Bias of Skill-biased Technical Change and the Rising Skill Premium in Transition Economies' (with Piero Esposito), *wiiw Working Paper*, No. 43, Vienna, May 2007
 - 'Goodwin's Structural Economic Dynamics: Modelling Schumpeterian and Keynesian Insights' (with Michael Landesmann), *wiiw Working Paper*, No. 41, Vienna, October 2006
 - 'Modelling GDP in CEECs Using Smooth Transitions' (with Neil Foster-McGregor), *wiiw Working Paper*, No. 36, Vienna, December 2005
 - 'The Effects of Factor- and Sector-biased Technical Change Revisited', *wiiw Working Paper*, No. 35, Vienna, September 2005
 - 'Income Distribution, Technical Change and the Dynamics of International Economic Integration' (with Michael Landesmann), *wiiw Working Paper*, No. 31, Vienna, September 2004
 - 'Can Trade Explain the Sector Bias of Skill-biased Technical Change?', *wiiw Working Paper*, No. 30, Vienna, May 2004
 - 'Dimensions of Quality Upgrading in CEECs' (with Uwe Dulleck, Neil Foster-McGregor and Julia Wörz), *wiiw Working Paper*, No. 29, Vienna, April 2004
 - 'Modelling International Economic Integration: Patterns of Catching-up, Foreign Direct Investment and Migration Flows' (with Michael Landesmann), *wiiw Working Paper*, No. 27, Vienna, March 2004
 - 'Global Growth Processes: Technology Diffusion, Catching-up and Effective Demand' (with Michael Landesmann), *wiiw Working Paper*, No. 26, Vienna, January 2004
 - 'Industrial Diversity, Trade Patterns and Productivity Convergence' (with Julia Wörz), *wiiw Working Paper*, No. 23, Vienna, November 2002
 - 'Technical Change, Effective Demand and Economic Growth' (with Michael Landesmann), *wiiw Working Paper*, No. 22, Vienna, April 2002
 - 'Trade Liberalization and Labour Markets: Perspective from OECD Economies' (with Michael Landesmann and Sebastian Leitner), *wiiw Working Paper*, No. 20, Vienna, October 2001
 - 'Technological Convergence and Trade Patterns' (with Julia Wörz), *wiiw Working Paper*, No. 19, Vienna, October 2001
 - 'Expenditure Levels, Prices and Consumption Patterns in a Cross-Section of Countries', *wiiw Working Paper*, No. 18, Vienna, August 2001
 - 'International Outsourcing and the Skill-Specific Wage Bill in Eastern Europe' (with Peter Egger), *wiiw Working Paper*, No. 17, Vienna, July 2001
 - 'Industrial Specialization, Trade, and Labour Market Dynamics in a Multisectoral Model of Technological Progress', *wiiw Working Paper*, No. 15, Vienna, January 2001

- 'Potential Switchovers in Comparative Advantage: Patterns of Industrial Convergence' (with Michael Landesmann), *wiiw Working Paper*, No. 14, Vienna, June 2000
- 'Convergence Patterns at the Industrial Level: the Dynamics of Comparative Advantage' (with Johann Burgstaller and Michael Landesmann), *wiiw Working Paper*, No. 11, Vienna, October 1999
- 'The European Unemployment Problem: A Structural Approach' (with Michael Landesmann), *wiiw Working Paper*, No. 10, Vienna, March 1999
- 'Industrial Specialization, Catching-up and Labour Market Dynamics' (with Michael Landesmann), *wiiw Working Paper*, No. 7, Vienna, January 1997

wiiw Balkan Observatory Working Papers

- 'Subgroup and Shapely Value Decompositions of Multidimensional Inequality: An Application to South East European Countries' (with Sebastian Leitner), *wiiw Balkan Observatory Working Paper*, No. 96, Vienna, March 2011
- 'Determinants of Inequality in Selected SEE Countries: Results from Shapley Value Decompositions' (with Sebastian Leitner), *wiiw Balkan Observatory Working Paper*, No. 84, Vienna, November 2009

wiiw Policy Notes and Reports

- 'The future of the EU's competitive position: The role of Central Eastern European countries' (with Matteo Ferrazzi, Francesca Guadagno, Doris Hanzl-Weiss, Jochen Schanz and Tomáš Slačik), *wiiw Policy Note/Policy Report*, No. 93, Vienna, April 2025
- 'Impacts of the EU carbon border adjustment mechanism' (with Javier Flórez Mendoza and Oliver Reiter), *wiiw Policy Note/Policy Report*, No. 86, Vienna, November 2024
- 'Exploring the Economic Resilience of Low vs. High Carbon Intensity Sectors' (with Andreas Lichtenberger), *wiiw Policy Note/Policy Report*, No. 83, Vienna, October 2024
- 'The Impact of Green Technologies on GDP and Employment in the EU' (with Francesca Guadagno and Oliver Reiter), *wiiw Policy Note/Policy Report*, No. 80, Vienna, June 2024
- 'New Technologies, Migration and Labour Market Adjustment: An Intra-European Perspective' (with Antea Barišić, Mahdi Ghodsi, Michael Landesmann and Alireza Sabouniha), *wiiw Policy Note/Policy Report*, No. 77, Vienna, May 2024
- 'Russia's Invasion of Ukraine: Assessment of the Humanitarian, Economic and Financial Impact in the Short and Medium Term' (with Vasily Astrov, Mahdi Ghodsi, Richard Grieveson, Mario Holzner, Artem Kochnev, Michael Landesmann, Olga Pindyuk and Marina Tverdostup), *wiiw Policy Note/Policy Report*, No. 59, Vienna, April 2022
- 'Recovery and Resilience Facility Funding in the Visegrád Countries and its Impact on Austria' (with Vasily Astrov and Zuzana Zavorská), *wiiw Policy Note/Policy Report*, No. 56, Vienna, March 2022
- 'Value Chain Integration of the Western Balkan Countries and Policy Options for the Post-COVID-19 Period' (with Oliver Reiter), *wiiw Policy Note/Policy Report*, No. 48, Vienna, March 2021
- 'Quality of Goods Imports: Which Role for Non-tariff Measures?' (with Payam Elhami and Mahdi Ghodsi), *wiiw Policy Note/Policy Report*, No. 46, Vienna, February 2021
- 'Productivity and Competitiveness of the Western Balkan countries: An Analysis Based on the wiiw Western Balkan Productivity Database' (with Oliver Reiter and Monika Schwarzhappel), *wiiw Policy Note/Policy Report*, No. 37, Vienna, June 2020
- 'EU Faces a Tough Demographic Reckoning' (with Richard Grieveson and Sandra M. Leitner), *wiiw Policy Note/Policy Report*, No. 30, Vienna, June 2019
- 'Economic Policy Implications of the Belt and Road Initiative for CESEE and Austria' (with Alexandra Bykova, Mahdi Ghodsi, Julia Grübler, Doris Hanzl-Weiss, Mario Holzner and Gabor Hunya), *wiiw Policy Note/Policy Report*, No. 23, Vienna, June 2018

wiiw Statistical Reports

- 'Verwendung neuer Technologien und IKT-Beschäftigung in österreichischen Unternehmen: Ein Überblick', *wiiw Statistical Report*, No. 12, Vienna, October 2024
- 'Growth Resurgence, Productivity Catching-up and Labour Demand in CEECs' (with Peter Havlik and Sebastian Leitner), *wiiw Statistical Report*, No. 3, Vienna, January 2008

wiiw Research Reports in German Language

- 'Struktur und Dynamik von Firmen und Produkten im österreichischen Außenhandel', *wiiw Research Report in German language*, No. 34, Vienna, March 2026
- 'Steuer- und Abgabenleistung nach Branchen- und Firmencharakteristika' (with Sandra M. Leitner and Roman Römisch), *wiiw Research Report in German language*, No. 33, Vienna, February 2026
- 'Beschäftigungswirkungen der österreichischen Exportwirtschaft und demografische Szenarien' (with Stella

Sophie Zilian), *wiiw Research Report in German language*, No. 30, Vienna, January 2025

- 'Neue Technologien und Löhne: Erste Analysen basierend auf österreichischen Mikrodaten', *wiiw Research Report in German language*, No. 27, Vienna, October 2024
- 'Neue Technologien, Firmenperformance und Beschäftigung: Erste Analysen basierend auf österreichischen Firmendaten', *wiiw Research Report in German language*, No. 26, Vienna, October 2024
- 'Firmen-, Beschäftigungs- und Lohnstrukturen in der österreichischen Außenwirtschaft mit Fokus auf KMUs – Erste Analysen basierend auf Mikrodaten', *wiiw Research Report in German language*, No. 24, Vienna, September 2023
- 'Bevölkerungs- und Wirtschaftsentwicklung in den mittel- und osteuropäischen Ländern (MOEL)' (with Vasily Astrov, Stefan Jestl, Michael Landesmann, Sebastian Leitner, Roman Römisch and Hermine Vidovic), *wiiw Research Report in German language*, No. 21, Vienna, September 2022
- 'Bevölkerungs- und Wirtschaftsentwicklung in den mittel- und osteuropäischen Ländern' (with Vasily Astrov, Mario Holzner, Stefan Jestl, Michael Landesmann, Isilda Mara, Roman Römisch and Hermine Vidovic), *wiiw Research Report in German language*, No. 13, Vienna, March 2019
- 'Infrastrukturinvestitionen am Westbalkan' (with Mario Holzner and Hermine Vidovic), *wiiw Research Report in German language*, No. 2, Vienna, September 2015

wiiw Opinion Pieces

- 'Energiepreisschock und Handelskonflikte bremsen Österreichs Außenwirtschaft', *wiiw Opinion Piece*, Vienna, May 2026
- 'EU-US relations at stake – to the detriment of both', *wiiw Opinion Piece*, Vienna, April 2025
- 'Larger-than-expected US tariff hikes will hit many countries hard' (with Oliver Reiter), *wiiw Opinion Piece*, Vienna, April 2025
- 'How Trump's new tariffs will impact the EU's already struggling automotive industry', *wiiw Opinion Piece*, Vienna, April 2025
- 'Challenges and potential opportunities for the EU steel industry in the face of US tariffs' (with Francesca Guadagno), *wiiw Opinion Piece*, Vienna, March 2025
- 'What is behind the US trade deficit?', *wiiw Opinion Piece*, Vienna, March 2025
- 'Trump's trade conflicts will see no winners – and maybe even one unintended loser' (with Oliver Reiter), *wiiw Opinion Piece*, Vienna, March 2025
- '2024 war ein herausforderndes Jahr für die österreichische Außenwirtschaft', *wiiw Opinion Piece*, Vienna, February 2025
- 'Productivity growth stagnates at low levels in the EU – updated wiiw Growth and Productivity Database', *wiiw Opinion Piece*, Vienna, December 2024
- 'Trump 2.0 – protectionism and trade wars ahead' (with Andreas Knapp), *wiiw Opinion Piece*, Vienna, November 2024
- 'Gute Aussichten für die österreichische Exportwirtschaft', *wiiw Opinion Piece*, Vienna, February 2024
- 'The structure and demography of Austrian companies engaged in foreign trade', *wiiw Opinion Piece*, Vienna, September 2023
- 'Österreichs Außenhandel stagniert 2023', *wiiw Opinion Piece*, Vienna, February 2023
- 'Solidarity with Ukraine' (with Richard Grieveson and Mario Holzner), *wiiw Opinion Piece*, Vienna, February 2022
- 'FIW Expects Strong Austrian Exports Growth in 2021 (+8.6 percent) and 2022 (+8.9 percent)' (with Roman Stöllinger), *wiiw Opinion Piece*, Vienna, November 2021
- '(Post-)Pandemic Employment Dynamics in a comparative perspective' (with Stefan Jestl), *wiiw Opinion Piece*, Vienna, August 2021
- 'Corona reveals potential vulnerabilities in global supply chains' (with Oliver Reiter), *wiiw Opinion Piece*, Vienna, July 2021
- 'SAAs have driven Western Balkan integration into EU and global value chains' (with Veronika Janyrova and Oliver Reiter), *wiiw Opinion Piece*, Vienna, March 2021
- 'Dissecting the global growth and productivity slowdown', *wiiw Opinion Piece*, Vienna, October 2019
- 'EU faces a tough demographic reckoning' (with Richard Grieveson and Sandra M. Leitner), *wiiw Opinion Piece*, Vienna, June 2019
- 'US tariffs on cars: An expensive and dangerous gamble', *wiiw Opinion Piece*, Vienna, May 2018
- 'Entering a multipolar world or the rise of a new hegemon', *wiiw Opinion Piece*, Vienna, May 2018
- 'Five big questions for the future of the EU budget' (with Richard Grieveson, Philipp Heimberger, Mario Holzner, Sandor Richter and Roman Römisch), *wiiw Opinion Piece*, Vienna, April 2018
- 'New US tariffs: Escalation to trade war would hit Europe hard' (with Mahdi Ghodsi, Richard Grieveson, Julia Grübler, Mario Holzner, Olga Pindyuk and Roman Stöllinger), *wiiw Opinion Piece*, Vienna, March 2018
- 'Western Balkan countries knocking on EU's door' (with Mario Holzner), *wiiw Opinion Piece*, Vienna, February 2018

- 'The EU's peripheral role in China's global vision' (with Julia Grübler), *wiiw Opinion Piece*, Vienna, December 2017
- 'Where will all the workers go...?', *wiiw Opinion Piece*, Vienna, October 2017
- 'New elements in renewed EU Industrial Policy Strategy', *wiiw Opinion Piece*, Vienna, September 2017
- 'Brexit: Small economic impact, but huge political risks ahead' (with Richard Grieveson), *wiiw Opinion Piece*, Vienna, March 2017
- 'Silk Belts and Roads in the 21st century' (with Julia Grübler), *wiiw Opinion Piece*, Vienna, February 2017
- 'wiiw Opinion Corner: What will change after Donald Trump's victory?' (with Vasily Astrov, Mahdi Ghodsi and Vladimir Gligorov), *wiiw Opinion Piece*, Vienna, December 2016
- 'An Anatomy of the Global Trade Slowdown based on the WIOD 2016 Release', *wiiw Opinion Piece*, Vienna, November 2016
- 'BREXIT: Austria's position in forthcoming negotiations' (with Michael Landesmann), *wiiw Opinion Piece*, Vienna, October 2016
- 'CETA and TTIP: same-same but different?' (with Roman Stöllinger), *wiiw Opinion Piece*, Vienna, September 2016
- 'Positioning Austria in the global economy' (with Roman Stöllinger), *wiiw Opinion Piece*, Vienna, October 2013

Other wiiw publications

- 'Growth Resurgence, Productivity Catching-up and Labour Demand in CEECs' (with Peter Havlik and Sebastian Leitner), *wiiw Statistical Report*, No. 3, Vienna, January 2008
- 'Low-quality Trap or Quality Upgrading' (with Uwe Dulleck, Neil Foster-McGregor and Julia Wörz), in: Michael Landesmann (eds), *wiiw Structural Report 2003 on Central and Eastern Europe, Volume 3*, *wiiw Structural Report*, Vol. 3, Vienna, October 2003
- 'Structural Patterns of East-West European Integration' (with Michael Landesmann), *wiiw Structural Report 2003 on Central and Eastern Europe, Volume 1*, *wiiw Structural Report*, Vol. 1, Vienna, October 2003