

Werner Hölzl

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WORK EXPERIENCE

Senior Economist

Austrian Institute of Economic Research (WIFO) [2005 – Current]

Address: Vienna (Austria)

Industrial economics, SMEs, technology policy

External lecturer

Vienna University of Economics and Business Administration, Department of Economics [2005 – 2018]

Address: Vienna (Austria)

Teaching courses in Economic Policy

Researcher

Vienna University of Economics and Business Administration, Department of Economics [2003 – 2005]

Address: Vienna (Austria)

Teaching courses on Applied Microeconomics and Economic Policy, research

Researcher

Vienna University of Economics and Business Administration [2000 – 2005]

Interdisciplinary research focus: Growth and employment in Europe: sustainability and competitiveness .

Research, organizing the research seminar, coordinating research projects

Researcher

Vienna University of Economics and Business Administration, Institute for Technology and Commodity [1999 – 2000]

Address: Vienna (Austria)

Development of an life-cycle analysis (LCA) software tool, consulting

Freelance researcher

Austrian Research Centers Seibersdorf [1997 – 1999]

Address: (Austria)

Collaboration on research projects on innovation policy

EDUCATION AND TRAINING

Doctoral degree in Economics

University of Vienna [1996 – 2004]

Address: (Austria)

Level in EQF : EQF level 8

Masters degree in Economics and computer science

University of Vienna; University of Technology [1989 – 1995]

Address: (Austria)

Level in EQF : EQF level 7

LANGUAGE SKILLS

Mother tongue(s):

German

Italian

LISTENING: C1 READING: C1 WRITING: C1

SPOKEN PRODUCTION: C1

SPOKEN INTERACTION: C1

English

LISTENING: C1 READING: C1 WRITING: C1

SPOKEN PRODUCTION: C1

SPOKEN INTERACTION: C1

ORGANISATIONAL SKILLS

Organisational skills

- Local Organiser of the 16th ENEF Workshop “Global and regional value chains, industrial dynamics and enterprise strategies” at WIFO, Vienna 12-13 September 2019.
- Local organiser of the 2017 CIRET Workshop Economic tendency surveys and financing conditions in Vienna, October 13-14, 2017.
- Member of the Auditing Committee of the International Schumpeter Society- ISS (2010-2018)
- Council Member of the European Association of Evolutionary Political Economy – EAEPE (2010-2011)
- Member of the organising committee of the Workshop on High-Growth Firms, at the Ratio Institute, Stockholm, 19-20 May, 2011.
- Local organizer of the 4th Workshop on Applied Industrial Organization, held at the Austrian Institute of Economic Research, Vienna, Austria, April 2009.
- Member of the scientific organising committee for the Conferences of the European Meeting of Applied Evolutionary Economics (EMAEE) held at the Max Planck Institute of Economics, Jena May 2009, at the Manchester Metropolitan University 17–19 May 2007, at Utrecht University, 19–21 May 2005 and at the University of Augsburg, Germany, 9-12 April 2003.
- Local organizer of the 2nd Conference of the European Meeting of Applied Evolutionary Economics (EMAEE) held at the Vienna University of Economics and Business Administration, 13-15 September 2001.
- Organization of the EMAEE 2001 conference at the Vienna University of Economics and Business Administration,
- Organizing of workshops, member of scientific and organizational committee of EMAEE conferences.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- member of the executive board of the association of south tyrolian students (SH/ASUS) in Vienna

OTHER SKILLS

Other skills

Referee for the following academic journals:

International Journal of Industrial Organization, Journal of Evolutionary Economics (5), Journal of Industry Competition and Trade (3), International Journal of Technology and Globalization, Small Business Economics (6), The B.E. Journal of Theoretical Economics, Middle East Development Journal, International Review of Applied Economics, Revue de l'OFCE, Industrial and Corporate Change (6) , Empirica (3), Regional Studies (3), Journal of Institutional Economics (2), Journal of Small Business Management (2), Technological Forecasting and Social Change, Journal of Entrepreneurship and Public Policy, Science and Public Policy (2), Journal of Cultural Economics, European Review of Agricultural Economics, Economia Politica, Economics of Innovation and New Technology, Spatial Economic Analysis, Research Policy (2), Eastern European Economics, Monetary Policy & the Economy.

Invited research Seminars:

WU Vienna, University of Vienna, University of Salzburg, Scuola Superiore Universitaria Sant'Anna Pisa, Università Cattolica Sede Piacenza, SPRU University of Sussex, IFN Stockholm, IEB Universidad de Barcelona, Max Planck Institute of Economics Jena.

Teaching experience:

Introductory Microeconomics (Mikroökonomie): WU Vienna University of Economics and Business and Fachhochschule Salzburg

Public Finance and Economic Policy: WU Vienna University of Economics and Business

Refereed Journal Articles

- Hölzl, W., Kaniovski, S., Kaniovski, Y. (2019) Exploring the dynamics of business survey data using Markov models, *Computational Management Science*, forthcoming.
- Hölzl, W. (2015) Sunk costs and the speed of market selection, *Journal of Evolutionary Economics*, 25 (2): 323-344.
- Hölzl, W., Kaniovski, S., Reinstaller, A. (2015) The exposure of technology and knowledge intense sectors to the business cycle, *Bulletin of Applied Economics* 2 (1), 1-19.
- Anyadike-Danes, M., Bjuggren, C. M., Gottschalk, S., Hölzl, W., Johansson, D., Maliranta, M., Myrann, A. (2015) An international cohort comparison of size effects on job growth, *Small Business Economics*, 44(4): 821-844.
- Hölzl, W. and Janger, J. (2014) Distance to the frontier and the perception of innovation barriers across European countries, *Research Policy* 43 (4), 707-725
- Hölzl, W. and Huber, P. (2014) Firm Level Job Creation Rates over the Business Cycle, *Asian Economic and Financial Review*, 4(6): 837-852
- Hölzl, W. (2014) Persistence, survival and growth: A closer look at 20 years of fast-growing firms in Austria. *Industrial and Corporate Change*, 23(1): 199-231
- Coad, A., Daunfeldt, S., Hölzl, W., Johansson, D., Nightingale, P. (2014) High-growth firms: introduction to the special section, *Industrial and Corporate Change* 23(1): 91-112. Hölzl, W. and Janger, J. (2013) Does the analysis of innovation barriers perceived by high growth firms provide information on innovation policy priorities?, *Technological Forecasting & Social Change* 80(8): 1450–1468.
- Hölzl, W. and A. Reinstaller (2011) On the heterogeneity of sectoral growth and structural dynamics: Evidence from Austrian manufacturing industries, *Applied Economics*, 43(20): 2565-2582.
- Hölzl, W. (2010) The Economics of Entrepreneurship policy: Introduction to the Special issue, *Journal of Industry Competition and Trade* 10(3-4): 187-197.
- Hölzl, W. and K. Friesenbichler (2010) High-growth firms, innovation and the distance to the frontier, *Economics Bulletin* 30(2): 1016-1024
- Hölzl, W. (2010) Was there a Marxian Bias in Austrian Manufacturing: Evidence on the direction of technical change, 1978-1994, *International Review of Applied Economics*, 18(5): 999-1031
- Reinstaller, A. and W. Hölzl (2009) Small events and big causes: QWERTY and the mechanization of office work, *Industrial and Corporate Change*, 24(1): 35-56
- Hölzl, W. (2009) Is the R&D behaviour of fast growing SMEs different? Evidence from CIS III data for 16 countries, *Small Business Economics*, 33(1): 59-75.
- Coad, A. and W. Hölzl (2009) On the Autocorrelation of Growth Rates: Evidence for Micro, Small and Large Firms from the Austrian Service Industries, 1975-2004, *Journal of Industry, Competition and Trade*, 9(2): 139-166.
- 17. Hölzl, W. and A. Reinstaller (2007) The impact of productivity and demand shocks on structural dynamics: Evidence from Austrian manufacturing, *Structural Change and Economic Dynamics* 18: 145-166.
- 18. Hölzl W. (2006) Convergence of financial systems: towards an evolutionary perspective, *Journal of Institutional Economics* 2: 67-90.
- 19. Hölzl W. (2005) Tangible and Intangible Sunk Costs and the Entry and Exit of Firms in a Small Open Economy: The Case of Austria, *Applied Economics* 37: 2429-43.
- 20. Hölzl, W. and A. Reinstaller (2005) Sectoral and aggregate technology shocks: Is there a relationship?, *Empirica*, 32(1): 45-72.
- 21. Frenken, K., W. Hölzl und F. de Vor (2005) The citation impact of research collaborations: The case of European biotechnology and applied microbiology (1988-2002). *Journal of Engineering and Technology Management*, 22(1-2): 9-30.

Books and Contributions to books

- Hölzl, W. (2016): High growth firms in Europe, chapter in: European Commission (2016): *Science, Research and Innovation performance of the EU: A contribution to the Open Innovation Open Science Open to the World agenda 2016*, European Commission, Brussels.
- Hölzl, W. und M Peneder (2013), Financing Innovation, *Encyclopedia of Creativity, Invention, Innovation and Entrepreneurship*, 734-738 Hölzl, W. (2013) Anmerkungen zur Forschungsförderung in Österreich, in: Bauer, H., Biwald, P, Pitlik, H. (Hrsg.) *Zur Effizienz der Förderpolitik im Bundesstaat: Effizienz und Koordinierungsaspekte*, Neuer Wissenschaftlicher Verlag, Graz.
- Coad, A. and Hölzl, W. (2011) Firm growth: empirical analysis, in: Krafft, J. and M. Dietrich, *Handbook on the Economics and Theory of the Firm*, Edward Elgar, forthcoming. Hölzl W. (ed.) (2010) Special Issue on Entrepreneurship, *Journal of Industry Competition and Trade* 10(3-4) 2010. Autio E. and Hölzl, W. (2009) Addressing Challenges for High-Growth Companies, Europe INNOVA paper no 6, 2008, European Commission Brussels
- Hölzl, W. and Reinstaller, A., Market Structure: Sector Indicators, in: Peneder, M., *Sectoral Growth Drivers and Competitiveness in the European Union*, Office for Official Publications of the European Communities, Luxembourg, 2009.
- Falk, R., Hölzl, W. and Leo, H. (2008) On the roles and rationales of European STI-Policies, in: G. Gelauff, I. Grilo and A. Lejour (eds), *Subsidiarity and Economic Reform in Europe*, Berlin: Springer Verlag 2008, pp. 219-142.
- Hölzl, W., Reinstaller, A. and Windrum, P. (2007) Organisational innovation, information technology, and outsourcing to business services, in: L. Rubalcaba and H. Kox (eds) *Business services in European economic growth*, London: Palgrave MacMillan, pp. 177-192.
- Hölzl, W. and Reinstaller, A. (2006) Structural dynamics in Austrian manufacturing sectors: identification and estimation in a SVAR framework, in: S. V. Seshaiyah (ed.). *Productivity*. ICFAI University Press, Hyderabad, 2006, pp. 38-62.
- Hölzl, W. (2006) The evolutionary theory of the firm: routines, complexity and change. In: Dietrich, M. (ed.) *Perspectives on the economics of the firm*, Routledge, pp. 111-126..
- Foster, J. and W. Hölzl (eds.) (2004) *Applied evolutionary economics and complex systems*, Cheltenham: Edward Elgar.
- Reinstaller, A. und W. Hölzl (2004) Complementarity constraints and induced innovation: some evidence from the First IT Regime. In: Foster J. and Hölzl W. (eds.) *Applied evolutionary economics and complex systems*, Cheltenham: Edward Elgar, 133-54.

Non-refereed publications (selection)

- Hölzl, W., Bärenthaler-Sieber, S., Bock-Schappelwein, J., Friesenbichler, K.S., Kügler, A., Reinstaller, A., Reschenhofer, P., Dachs, B., Risak, M. (2019) Digitalisation in Austria. State of Play and Reform Needs
- Glocker C., Hölzl, W. (2019) Assessing the Economic Content of Direct and Indirect Business Uncertainty Measures. WIFO Working Papers, 576/2019
- Friesenbichler, K., Hölzl, W. (2019) Investitionswachstum verlangsamt sich 2019. Ergebnisse des WIFO-Investitionstests vom Frühjahr 2019, WIFO-Monatsberichte, 92(7), S.521-528.
- Fidrmuc, J., Hölzl, W., Hainz, C. (2018) Individual Credit Market Experience and Perception of Aggregate Bank Lending. Evidence from a Firm Survey, WIFO Working Papers, 574/2018.
- Anyadike-Danes, M., Bjuggren, C.M., Dumont, M., Gottschalk, S., Johansson, D., Maliranta, M., Myrann, A., Nielsen, K., Zheng, G. (2018) An International Comparison of the Contribution to Job Creation by High-growth Firms, WIFO Working Papers, 563/2018
- Böheim, M., Hölzl, W., Kügler, A. (2018) Wettbewerbs- und regulierungspolitische Herausforderungen der Digitalisierung. Auf dem Weg zu einer "Sozialen Marktwirtschaft 4.0", WIFO-Monatsberichte, 91(12), S. 871-880.
- Friesenbichler, K., Glocker, C., Hölzl, W. (2018) Ein neues Modell für die kurzfristige Prognose der Herstellung von Waren und der Ausrüstungsinvestitionen, WIFO-Monatsberichte, 91 (9), 651-661.
- Friesenbichler, K. S., Hölzl, W., Bärenthaler-Sieber, Hölzl, K. (2018) Cash-Flow-Quote 2017 gestiegen. Die Ertragskraft der österreichischen Sachgütererzeugung, WIFO-Monatsberichte, 2018, 91(8), S.555-564.
- Anyadike-Danes, M., Bjuggren, C., Dumont, M., Gottschalk, S., Hölzl, W., Johansson, D., Maliranta, M., Myrann, A., Nielsen, K., Zheng, G. (2018) An International Comparison of the Contribution to Job Creation by High-growth Firms, WIFO Working Papers, 2018, (563).
- Friesenbichler, K. S., Glocker, C., Hölzl, W., Kaniovski, S., Kügler, A., Reinstaller, A., et al. (2017) Drivers and Obstacles to Competitiveness in the EU. The Role of Value Chains and the Single Market. Vienna: WIFO <http://www.wifo.ac.at/www/pubid/60837>
- Friesenbichler, K. S., Hölzl, W., and Hölzl, K. (2017a) Cash-Flow-Quote 2016 stabil auf hohem Niveau. Die Ertragskraft der österreichischen Sachgütererzeugung. WIFO-Monatsberichte, 90(8), 619–628.
- Hölzl, W., Böheim, M., Friesenbichler, K. S., and Jud, T. (2017) Börsen als Instrument der kapitalmarktbasierter Finanzierung von Klein- und Mittelbetrieben in Österreich. WIFO-Monatsberichte, 90(8), 629–638.
- Hölzl, W., Böheim, M., Klien, M., and Pichler, E. (2017) Das öffentliche Beschaffungswesen im Spannungsfeld zwischen Billigst- und Bestbieterprinzip. Wien: WIFO. <http://www.wifo.ac.at/www/pubid/59256>
- Hölzl, W., Friesenbichler, K. S., Kügler, A., Peneder, M., and Reinstaller, A. (2017) Österreich 2025 – Wettbewerbsfähigkeit, Standortfaktoren, Markt- und Produktstrategien österreichischer Unternehmen und die Positionierung in der internationalen Wertschöpfungskette. WIFO-Monatsberichte, 90(3), 219–228.
- Hölzl, W., and Leoni, T. (2017) Internationale Lohnstückkostenposition der Warenherstellung verschlechtert sich 2016. WIFO-Monatsberichte, 90(10), 783–795.
- Hahn, F. R., Hölzl, W., and Kwapil, C. (2016) The Credit Channel and the Role of Monetary Policy Before, During and After the Global Financial Crisis. A Micro Data Approach to the Analysis of Bank-firm Relationships. Vienna: WIFO. <http://www.wifo.ac.at/www/pubid/59233>
- Oberhofer, H., Glocker, C., Hölzl, W., Huber, P., Kaniovski, S., Nowotny, K., et al. (2016) Single Market Transmission Mechanisms Before, During and After the 2008-09 Crisis. A Quantitative Assessment. Vienna: WIFO - National Institute of Economic and Social Research, London. <http://www.wifo.ac.at/www/pubid/59156>
- Bierbaumer-Polly, J., and Hölzl, W. (2015) Business Cycle Dynamics and Firm Heterogeneity. Evidence for Austria Using Survey Data. WIFO Working Papers, (504). <http://www.wifo.ac.at/www/pubid/58568>
- Falk, M., Hölzl, W., and Oberhofer, H. (2015) Die Bedeutung von unternehmensbezogenen Individualdaten für die empirische Wirtschaftsforschung und wirtschaftspolitische Beratung. WIFO-Monatsberichte, 88(11), 845–857.
- Glocker, C., and Hölzl, W. (2015) Bestimmung einer Konjunkturampel für Österreich auf Basis des WIFO-Konjunkturtests. WIFO-Monatsberichte, 88(3), 175–183.
- Friesenbichler, K. S., Fritz, O., Hölzl, W., Streicher, G., Misch, F., and Yeter, M. (2014) The Efficiency of EU Public Administration in Helping Firms Grow. Vienna: WIFO <http://www.wifo.ac.at/www/pubid/50931>
- Hölzl, W., and Schwarz, G. (2014) Der WIFO-Konjunkturtest: Methodik und Prognoseeigenschaften. WIFO-Monatsberichte, 87(12), 835–850.

- Hölzl, W., and Reinstaller, A. (2013) Finanzierungsbeschränkungen junger technologieorientierter Unternehmen. Ergebnisse einer Unternehmensbefragung. WIFO-Monatsberichte, 86(8), 649–662.
- Hölzl, W. (2013a) Unternehmensgröße und Beschäftigungsentwicklung. Eine Analyse methodischer Alternativen mit österreichischen Daten. WIFO-Monatsberichte, 86(3), 253–267.
- Hölzl, W. (2013b) Vor- und Nachteile von einkommensabhängig rückzahlbaren Bildungskrediten als Instrument zur Finanzierung der Hochschulbildung. WIFO-Monatsberichte, 86(2), 187–196.
- Hahn, F. R., and Hölzl, W. (2012) Auswirkungen der neuen Eigenkapitalbestimmungen “Basel III” auf die Finanzierung kleiner und mittlerer Unternehmen in Österreich. WIFO-Monatsberichte, 85(3), 189–208.
- Hölzl, W., and Janger, J. (2012) Innovation Barriers across Firms and Countries. WIFO Working Papers, (426). <http://www.wifo.ac.at/wwa/pubid/44114>
- Hölzl, W. (2012a) Arbeitsplatzschaffung und Beschäftigungsgrößenklassen. Eine Untersuchung methodischer Alternativen. WIFO Working Papers, (425). <http://www.wifo.ac.at/wwa/pubid/44113>
- Hölzl, W. (2012b) Mobility Barriers and the Speed of Market Selection. WIFO Working Papers, (437). <http://www.wifo.ac.at/wwa/pubid/45439>
- Pitlik, H., Hölzl, W., Brandtner, C., Heinemann, F., Misch, F., Yeter, M., et al. (2012) Excellence in Public Administration for Competitiveness in EU Member States. Vienna: WIFO - Centre for European Economic Research - IDEA Consult. <http://www.wifo.ac.at/wwa/pubid/59376>
- Hölzl, W., and Lang, P. (2011) Unternehmensdynamik, Exportstatus und Umsatzproduktivität. WIFO-Monatsberichte, 84(11), 743–754.