

# Elke Loichinger

College of Population Studies  
Chulalongkorn University  
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## Education

### Vienna University of Economics and Business (Austria)

Dr. rer. soc. oec. (with distinction; major: statistics), 2012

Dissertation title: *Europe's future human capital: population projections by age, sex, education, labor force participation and health status*

Supervisors: Prof. Wolfgang Lutz, Prof. Alexia Fürnkranz-Prskawetz

### Duke University, Terry Sanford Institute of Public Policy (USA)

Master of Public Policy (MPP), 2007

### Max Planck Institute for Demographic Research (Rostock, Germany)

2004/2005 and 2007-2009 (research assistant; PhD student)

### University of Regensburg (Germany)

Graduate degree in geography (major), political science and statistics (minors), 2004

B.A. in English Philology, 2003

### University of Colorado at Boulder (USA)

Study abroad program, 2001/2002

### Miscellaneous education

Various IMPRSD/IDEM courses between 2004 and 2014; Young Scientist Summer Program (YSSP) 2009 at IIASA (Austria); *Qualitative Methods for Health Research in Asia* Dec 7-12, 2015, Manipal University, India.

## Work Experience

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|-----------------|--|
| Since 06/2016   | Lecturer at the <i>College of Population Studies, Chulalongkorn University, Bangkok</i> (tenure track position)            |
| 09/2015-05/2016 | Academic Researcher at the <i>College of Population Studies, Chulalongkorn University, Bangkok</i> (tenure track position) |
| 02/2015-08/2015 | Research Scientist at the <i>Vienna Institute of Demography, Austrian Academy of Sciences</i> (Austria)                    |
| 09/2014-01/2015 | Teaching appointment for <i>Research Methods: Statistics</i> at the <i>University of Applied Sciences, Vienna</i>          |
| 08/2014-12/2014 | Project assistant at <i>Institute of Mathematical Methods in Economics, Vienna</i>   |

*University of Technology (Austria)*

- 07/2013-12/2013 Visiting scholar at *College of Population Studies, Chulalongkorn University (Bangkok, Thailand)*
- 11/2012-06/2014 Several consultancy contracts with the *Worldbank*
- 12/2009-06/2016 Employed at *Vienna University for Economics and Business*
- Post-doc at the *Research Institute for Human Capital and Development (09/2012-06/2016)*
  - Project assistant at the *Research Institute for Human Capital and Development (01/2011 - 08/2012)*
  - Project assistant at the *Institute for Statistics and Mathematics (12/2009 - 12/2010)*
- Since 10/2009 Employed at the *World Population Program, International Institute for Applied Systems Analysis (IIASA) (Laxenburg)*
- Research Scholar (since 11/2016)
  - Guest Research Scholar (08/2014-11/2016)
  - Research Scholar (01/2013-07/2014)
  - Research assistant (10/2009-12/2012)
- 08/2006 - 12/2006 Teaching assistant for *Microeconomic Policy Tools (undergraduate level course), Duke University*
- 06/2006 - 08/2006 Internship at the *Oregon Public Employees Retirement System (OPERS)*
- 09/2003 - 10/2003 Internship at the *Federal Institute for Population Research (Germany)*
- 09/2002 - 03/2004 Student assistant at the *Chair of Economic Geography, University of Regensburg*
- 08/2000 - 09/2000 Internship at the *Office for Geology, Environment and Land Use Planning (Berlin)*

## **Awards and Scholarships**

- 2012 Prize for dissertation: “Award of Excellence 2012” by the Austrian Federal Ministry for Science and Research
- 2005 Duke/Max-Planck Fellowship for Master of Public Policy (MPP) studies at Duke University (USA) (full scholarship)

## Publications

### Articles

Loichinger, E., Prskawetz, A. (2017). *Changes in Economic Activity: The Role of Age and Education*. Demographic Research, 36(3), p.1185–1208.

Loichinger, E., Hammer, B., Prskawetz, A., Freiberger, M. and Sambt, J. (forthcoming). *Quantifying Economic Dependency*. European Journal of Population. Online First January 27, 2017 doi: 10.1007/s10680-016-9405-1

Cheng, Y.A., Loichinger, E. (2017). *The Future Labor Force of an Aging Taiwan: The Importance of Education and Female Labor Supply*. Population Research and Policy Review, 36, p. 441–466

Loichinger, E., Weber, D. (2016). *Trends in Working Life Expectancy in Europe*. Journal of Aging and Health, Vol. 28(7), 2016, p. 1194-1213.

Loichinger, E., Skirbekk, V. (2016). *International Variation in Ageing and Economic Dependency: A Cohort Perspective*. Comparative Population Studies, Vol. 41(2), p. 121-143.

Loichinger, E., KC, S., Lutz, W. (2016). *4-D population scenarios for future adaptive capacity in Phang Nga*. Vienna Yearbook of Population Research 2015 (Vol. 13), p. 263-287.

Striessnig, E., Loichinger, E. (2016). *Future Differential Vulnerability to Natural Disasters by Level of Education*. Vienna Yearbook of Population Research 2015 (Vol. 13), p. 221-240.

Crespo Cuaresma, J., Loichinger, E., Vincelette, G.A. (2016). *Ageing and income convergence in Europe: A survey of the literature and insights from a demographic projection exercise*. Economic Systems, 40(1), p. 4–17.

Loichinger, E. (2015). *Labor Force Projections up to 2053 for 26 EU countries by Age, Sex, and Highest Level of Educational Attainment*. Demographic Research, 32(15), p. 443-486.

Kluge, F., Zagheni, E., Loichinger, E., Vogt, T. (2014). *The advantages of demographic change after the wave: Fewer and older but healthier, greener, and more productive?* PLOS ONE. Volume 9(9), p.1-11.

Skirbekk, V., Loichinger, E. and Weber, D. (2012). *Variation in cognitive functioning as a refined approach to comparing aging across countries*. Proceedings of the National Academy of Sciences (PNAS), 109(3), p. 770-774.

Vaupel, J.W., E. Loichinger (2006): *Redistributing Work in Aging Europe*. Science, 312:5782, p. 1911-1913.

Hullen, G., Hübner, J., Loichinger, E. (2004): *Household Projections for Brandenburg with ProFamy (Engl.: Household Projections for Brandenburg with ProFamy)*. In: Landesbetrieb für Datenverarbeitung und Statistik Land Brandenburg (ed.): Daten und Analysen, I/2004, p. 50-53.

## **Submitted manuscripts and ongoing research**

*Combining Working Life and Health Expectancies* (together with Daniela Weber); invited chapter for *International Handbook of Health Expectancies* (Eds. C. Jagger, E.M. Crimmins, H. Van Oyen, J.M. Robine and Y. Saito) (submitted).

*Working life-expectancy and health status: correlations and macro-level determinants* (together with Daniela Weber)

*Female Labor Supply in Aging East Asia: Past, Present and Future Prospects in Four Advanced Economies* (together with Yen-Hsin Alice Cheng)

*Prospects of Aging and Health in Thailand* (together with Wiraporn Pothisiri)

*A Study of the Health Impact of Grandparenting on Thai Elderly* (together with Touchanun Komonpaisarn)

*Population projections by age, sex and educational attainment for 77 provinces in Thailand* (together with Tadashi Nakasu)

## **Book chapters**

Skirbekk, V., Loichinger, E. and Barakat, B.F. (2012). *The Aging of the Workforce in European Countries: Demographic Trends, Retirement Projections, and Retirement Policies*. In: Hedge, J.W., Borman, W.C. (Eds): *The Oxford Handbook of Work and Aging*. New York: Oxford University Press.

Lutz, W., Loichinger, E. (2012). *Österreichs Menschen 2032 (Engl.: Austria's residents in 2032)*. In: W. Lutz und H. Strasser (Hrsg.): *Österreich 2032. Festschrift zum 80. Geburtstag von Gerhart Bruckmann*. Schriftenreihe des Instituts für Demographie der Österreichischen Akademie der Wissenschaften, Band 22, p. 7-49.

Loichinger, E. (2010). *Der fehlende Faktor: Zur Bedeutung altersspezifischer Arbeitszeit für das Erwerbspotenzial (Engl.: The missing factor: the role of age-specific working hours when talking about labor potential)*. In: Salzmann, T., V. Skirbekk and M. Weiberg (Eds.): *Wirtschaftspolitische Herausforderungen des demografischen Wandels*. Aus der Reihe: *Demografischer Wandel - Hintergründe und Herausforderungen*. Wiesbaden: VS Verlag.

Loichinger, E. (2010). *Politische Maßnahmen und demografische Maßzahlen: Illustration am Beispiel der Familienpolitik in Schweden (Engl.: Policies and demographic measures: demonstrating their connection using family policies in Sweden)*. In: Ruppert, S. (ed.): *Lebensalter und Recht. Zur Segmentierung des menschlichen Lebenslaufs durch rechtliche Regelungen seit 1750*. Frankfurt am Main: Vittorio Klostermann Verlag.

## **Other publications**

Pothisiri, W., Loichinger, E., Leetrakun, P. (2017). *Thailand: Country Report on Female Labor Force Participation*. Report prepared for the "Research on Aging Societies and Gender Mainstreaming in Human Capital Development" project by the Asian Productivity Organization

(APO). Tokyo, Japan.

Loichinger, E., Prskawetz, A. (2016). *Changes in Economic Activity: The Role of Age and Education*. IIASA Working Paper. WP-17-012.

Hammer, B., Loichinger, E., Prskawetz, A. (2016). *Projections of the Labour Force by Age, Gender and Highest Level of Educational Attainment until 2050*. AGENTA deliverable/working paper. [http://www.agenta-project.eu/Jacomo/upload/publications/0\\_education\\_and\\_health\\_d7-1.pdf](http://www.agenta-project.eu/Jacomo/upload/publications/0_education_and_health_d7-1.pdf)

Loichinger, E. Goujon, A., Weber, D. (2016). *Demographic Profile of the Arab Region: Realizing the Demographic Dividend*. UNESCWA Technical Paper 3, 26 September 2016. Beirut, Lebanon. <https://www.unescwa.org/sites/www.unescwa.org/files/publications/files/demographic-profile-arab-region-2015-english.pdf>

Loichinger, E. (2016). *Education-specific labor force projections: painting the global picture*. Paper presented at the Joint Eurostat/UNECE Work Session on Demographic Projections, April 18-20, 2016, Geneva, Switzerland. Working Paper 26. <http://www.unece.org/fileadmin/DAM/stats/documents/ece/ces/ge.11/2016/WP26.pdf>

Loichinger, E., Hammer, B., Prskawetz, A., Freiberger, M. and Sambt, J. (2014). *Economic Dependency Ratios: Present Situation and Future Scenarios*. Working paper 02/2014. ECON WPS, Vienna University of Technology

KC, S., Lutz, W., Loichinger, E., Muttarak, R., Striessnig, E. (2014). *Reducing Vulnerability in Critical Life Course Phases by Enhancing Human Capital*. In: Malik, K. (ed.): *Safeguarding Human Progress: Reducing Vulnerabilities, Building Resilience*. UNDP Human Development Report Office, New York, USA, p.151-194.

Cuaresma, J. C., Loichinger, E., Vincelette, G. A. (2013). *Special topic report: the economic growth implications of an aging European Union*. In: The Worldbank. *EU11 regular economic report*. Washington D.C: Worldbank, p. 50-80.

Basten, S., Loichinger, E., Lutz, W. (2011). *Youthful populations, employment challenges and poverty in Least Developed Countries*. Report prepared for UNFPA.

Vaupel, J.W., E. Loichinger (2006): *Der demografische Wandel wird schon bald etwas kosten: neuer Rostocker Index misst wirtschaftliche Folgen (Engl.: The imminent costs of demographic change: Rostocker index measures economic consequences)*. Demografische Forschung Aus Erster Hand, 3:1, p. 1-2.

## **Selected presentations**

*A Study of the Health Impact of Grandparenting on Thai Elderly* (together with Touchanun Komonpaisarn) presented at the Conference on Contextualizing Productive Aging in Asia at the University of Singapore, April 13–14, 2017, Singapore

*Education-specific labor force projections: status quo and exemplary results* presented at the Asian Population Forum 2016, Oct 10–12, Shanghai, China

*Does working life expectancy reflect health status?* (together with Daniela Weber), presented at the European Population Conference 2016, Aug 31–Sep 3, Mainz, Germany

*Quantifying economic dependency* (together with Bernhard Hammer, Alexia Prskawetz, Jože Sambt and Michael Freiberger), presented at the European Population Conference 2016, Aug 31–Sep 3, Mainz, Germany

*Female labor supply in aging East Asia: past, present and future prospects in four advanced economies* (together with Yen-Hsin Alice Cheng), presented at the European Population Conference 2016, Aug 31–Sep 3, Mainz, Germany

*Prospects of Aging and Health in Thailand* (together with Wiraporn Pothisiri), presented at the REVES Conference, Jun 8–10, 2016, Vienna, Austria

*Working Life Expectancy and Health in Europe: Trends and Determinants* (together with Daniela Weber), presented at the REVES Conference, Jun 8–10, 2016, Vienna, Austria

*Education-Specific Labor Force Projections: Painting the Global Picture* presented at the Joint Eurostat/UNECE Work Session on Demographic Projections, Apr 18–20, 2016, Geneva, Switzerland

*Economic Dependency Ratios: Present Situation and Future Scenarios* presented at the University of the Thai Chamber of Commerce (UTCC) Economics Seminar, Mar 18, 2016, Bangkok, Thailand

*Trends in Working Life Expectancy by Education in Europe* (together with Daniela Weber), presented at the REVES Conference, Jun 2–4, 2015, Singapore

*Economic Dependency Ratios in a Comparative European Setting* (together with Jože Sambt, Bernhard Hammer, Alexia Prskawetz and Michael Freiberger), presented at the International Conference New Measures of Age and Ageing, Dec 3–5, 2014, Vienna, Austria

Poster *Trends in labor force participation and working life expectancy by education in Europe* (together with Daniela Weber), presented at the International Conference New Measures of Age and Ageing, Dec 3–5, 2014, Vienna, Austria

*4 - D population scenarios for future adaptive capacity in Phang Nga* (together with Samir KC), presented at the International Seminar on Demographic Differential Vulnerability to Natural Disasters in the Context of Climate Change Adaptation, Apr 23–25, 2014, Kao Lak, Phang Nga (organized jointly by the IUSSP Scientific Panel on Climate Change, the College of Population Studies, Chulalongkorn University (Bangkok), and IIASA's World Population Program)

*International Variation in Ageing and Economic Dependency: A Cohort Perspective* (together with Vegard Skirbekk), presented at the Population Association of America (PAA) Annual Meeting 2014, May 1 – May 3, Boston, MA, USA

*Labor Force Projections for Europe by Age, Sex, and Highest Level of Educational Attainment, 2008 to 2053*, presented at the Joint Eurostat/UNECE Work Session on Demographic Projections, Oct 29–31, 2013, Rome, Italy

*Labor Force Projections for Europe by Age, Sex, and Highest Level of Educational Attainment, 2008 to 2053*, presented at the XXVII IUSSP International Population Conference, Aug 26–31, 2013, Busan, Republic of Korea

*Labor Force Projections for India and China by Age, Sex, and Highest Level of Educational Attainment, 2010 to 2060*, presented at the XXVII IUSSP International Population Conference, Aug 26–31, 2013, Busan, Republic of Korea

*After the flood: the advantages of demographic change - Fewer, older, smarter, and healthier?* (together with Fanny Kluge, Emilio Zagheni and Tobias Vogt) presented at the XXVII IUSSP International Population Conference, Aug 26–31, 2013, Busan, Republic of Korea

Poster *Labor Force Projections for Europe by Age, Sex, and Highest Level of Educational Attainment, 2008 to 2053*, presented at the Population Association of America (PAA) Annual Meeting 2013, Apr 11–13, New Orleans, LA, USA

*The effect of education and the postponement of the onset of health limitations on the number of people suffering from health impairments in Austria, 2006 to 2051*, presented at the European Population Conference 2012, Jun 13–16, Stockholm, Sweden

*Productivity Potential by Age and Cohort: Examples from Different World Regions* (together with Vegard Skirbekk and Daniela Weber), presented at the Population Association of America (PAA) Annual Meeting 2011, Mar 31–Apr 2, Washington, DC, USA

*The role of education in projecting employment in Europe*, presented at the European Population Conference 2010, Sept 1–4, Vienna, Austria

Poster *Labor utilization in aging populations: a comparison of age-specific weekly working hours in seven European countries*, presented at the XXVI International Population Conference of the IUSSP, Sept 27–Oct 2, 2009, Marrakech, Morocco

## **Miscellaneous**

Computer skills      Microsoft office, LaTeX, STATA, R, SPSS, Endnote, Zotero

Language skills      German (native), English (fluent), French (advanced), Spanish (basic), Thai (basic)

Reviewer activity    Demographic Research, Population and Development Review, Journal of Gerontology: Social Sciences, Population Research and Policy Review, European Journal of Population, Journal of Aging and Health, Advances in Life Course Research, Ecological Modelling, Journal of Demography

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