

Academic Curriculum Vitae

PERSONAL DATA

NAME: Erich Striessnig
ADDRESS: Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW, UNIVIE), Vordere Zollamtsstraße 3, 1030, Vienna, Austria
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WORK EXPERIENCE

<i>Current</i> -JUN 2020	Professor for Demography and Sustainable Development, <i>Department of Demography, University of Vienna</i>
MAY 2020 -JAN 2016	Research Scholar, <i>World Population Program</i> , <i>International Institute for Applied Systems Analysis (IIASA)</i> Main topics: Population Projections; Demographic Metabolism; Mortality Modelling.
MAY 2020 -SEP 2015	Postdoctoral Researcher, <i>Vienna Institute of Demography (VID)</i> , <i>Austrian Academy of Sciences (ÖAW)</i> Main topics: Attitudes toward Migration; RIAS Refugee Survey.
FEB 2018 -OCT 2015	Guest Lecturer, <i>Vienna University of Economics and Business (WU)</i>
DEC 2017 -AUG 2017	Fulbright Visiting Professor, <i>Climate & Global Dynamics</i> , <i>National Center for Atmospheric Research (NCAR)</i> Main topic: Spatial Projections of Age-Structured Populations.
JAN 2016 -JUN 2007	Research Assistant, <i>World Population Program</i> , IIASA Main topics: Economic Growth, Education and Total Factor Productivity.
AUG 2015 -JAN 2013	Teaching and Research Associate, <i>Institute for Social Policy</i> , WU Main topics: Differential Vulnerability to Climate Change; Optimal Fertility.
DEC 2012 -JAN 2011	Research Assistant, <i>Institute for Human Capital and Development</i> , WU Main topics: Disaster Vulnerability and Education; Happiness and Education.
DEC 2010 -SEP 2008	Research Assistant, <i>Atmospheric Pollution and Economic Development Program</i> , IIASA, Main topic: Macroeconomic Effects of Reductions in $PM_{2.5}$ Concentrations in South Asia.

Further Professional Experience

Research Stays

DEC 2019	Max Planck Institute for Demographic Research, Rostock, Germany
JUN 2019	University of Southern Denmark, Odense, Denmark
MAR 2019	Universidad de Costa Rica, San Jose, Costa Rica
MAR 2019	Universidad Autónoma del Estado de México, Toluca, Mexico
AUG-DEC 2017	NCAR, Boulder, USA
JAN-MAR 2017	NCAR, Boulder, USA

Community Service

2020	Vice-chair of the VID Staff Assembly
2018-2020	Editor VID Working Paper Series
REVIEWER	PNAS, PDR, Climatic Change, Population Studies, Demographic Research, Vienna Yearbook of Population Research, Journal of Population Research, Asian Population Association, Nature Sustainability, Regional Environmental Change, Ecology and Society, Earth's Future, Journal of Happiness Studies, Polish Academy of Sciences, Disaster Risk Management Knowledge Centre of the European Commission

EDUCATION

07.07.2015	Doctoral Degree in ECONOMICS (Dr. rer. soc. oec.) with distinction, Vienna University of Economics and Business, Austria
Thesis title	“Three Effects of Education on Well-Being”
Supervisor	Prof. Wolfgang LUTZ
MAR 2010	Dual Master's Degree in ECONOMICS and PHILOSOPHY
OCT 2002-	University of Vienna, Austria
30.03.2010	Master's Degree in PHILOSOPHY with distinction
Thesis title	“The Fact of Plurality in Post-Secular Societies”
Supervisor	Prof. Herta NAGL-DOCEKAL
24.07.2007	Master's Degree in ECONOMICS with distinction
Thesis title	“Age Specific Growth Effects of Human Capital Through Technological Diffusion”
Supervisor	Prof. Jesus CRESPO-CUARESMA
JUL 2006	Exchange Student
SEP 2005-	Carlos III University of Madrid, Spain

FULL LIST OF PEER-REVIEWED PUBLICATIONS

- [1] **Erich Striessnig** and Wolfgang Lutz. “Can Below-replacement Fertility be Desirable?” In: *Empirica* (Mar. 2013). ISSN: 0340-8744, 1573-6911. DOI: [10.1007/s10663-013-9213-3](https://doi.org/10.1007/s10663-013-9213-3). URL: <http://link.springer.com/10.1007/s10663-013-9213-3> (visited on 03/25/2013).
- [2] **Erich Striessnig**, Wolfgang Lutz, and Anthony G. Patt. “Effects of Educational Attainment on Climate Risk Vulnerability”. In: *Ecology and Society* 18.1 (2013). DOI: [10.5751/ES-05252-180116](https://doi.org/10.5751/ES-05252-180116). URL: <http://www.ecologyandsociety.org/vol18/iss1/art16/>.
- [3] Adelheid Pichler and **Erich Striessnig**. “Differential Vulnerability to Hurricanes in Cuba, Haiti, and the Dominican Republic: The Contribution of Education”. en. In: *Ecology and Society* 18.3 (2013). ISSN: 1708-3087. DOI: [10.5751/ES-05774-180331](https://doi.org/10.5751/ES-05774-180331). URL: <http://www.ecologyandsociety.org/vol18/iss3/art31/> (visited on 06/27/2016).
- [4] Warren C. Sanderson, **Erich Striessnig**, Wolfgang Schoepp, and Markus Amann. “The Effects on Well-Being of Investing in Cleaner Air in India”. In: *Environmental Science & Technology* (Oct. 2013). ISSN: 0013-936X. DOI: [10.1021/es402867r](https://doi.org/10.1021/es402867r). URL: <http://pubs.acs.org/doi/abs/10.1021/es402867r> (visited on 11/06/2013).
- [5] **Erich Striessnig** and Wolfgang Lutz. “How does education change the relationship between fertility and age-dependency under environmental constraints? A long-term simulation exercise”. English. In: *Demographic Research*. Special Collection 30 (2014), pp. 465–492. DOI: [10.4054/DemRes.2014.30.16](https://doi.org/10.4054/DemRes.2014.30.16). URL: <http://www.demographic-research.org/Volumes/Vol30/16/>.
- [6] Wolfgang Lutz, Raya Muttarak, and **Erich Striessnig**^{*†}. “Universal education is key to enhanced climate adaptation”. en. In: *Science* 346.6213 (Nov. 2014), pp. 1061–1062. ISSN: 0036-8075, 1095-9203. DOI: [10.1126/science.1257975](https://doi.org/10.1126/science.1257975). URL: <http://www.sciencemag.org/content/346/6213/1061> (visited on 11/29/2014).
- [7] Wolfgang Lutz and **Erich Striessnig**. “Demographic aspects of climate change mitigation and adaptation”. In: *Population Studies* 69.sup1 (Apr. 2015), S69–S76. ISSN: 0032-4728. DOI: [10.1080/00324728.2014.969929](https://doi.org/10.1080/00324728.2014.969929). URL: <http://dx.doi.org/10.1080/00324728.2014.969929> (visited on 04/27/2015).
- [8] Isabella Buber-Ennsner, Judith Kohlenberger, Bernhard Rengs, Zakarya Al Zalak, Anne Goujon, **Erich Striessnig**, Michaela Potančoková, Richard Gisser, Maria Rita Testa, and Wolfgang Lutz. “Human Capital, Values, and Attitudes of Persons Seeking Refuge in Austria in 2015”. en. In: *PLOS ONE* 11.9 (Sept. 2016). Ed. by Ignacio Correa-Velez, e0163481. ISSN: 1932-6203. DOI: [10.1371/journal.pone.0163481](https://doi.org/10.1371/journal.pone.0163481). URL: <http://dx.plos.org/10.1371/journal.pone.0163481> (visited on 09/27/2016).
- [9] **Erich Striessnig** and Elke Loichinger. “Future differential vulnerability to natural disasters by level of education”. de. In: *Vienna Yearbook of Population Research* 1 (2016), pp. 221–240. ISSN: 1728-4414, 1728-5305. DOI: [10.1553/populationyearbook2015s221](https://doi.org/10.1553/populationyearbook2015s221). URL: <http://hw.oeaw.ac.at?arp=0x00344f57> (visited on 09/21/2016).
- [10] **Erich Striessnig** and Wolfgang Lutz. “Demographic Strengthening of European Identity”. en. In: *Population and Development Review* 42.2 (June 2016), pp. 305–311. ISSN: 1728-4457. DOI: [10.1111/j.1728-4457.2016.00133.x](https://doi.org/10.1111/j.1728-4457.2016.00133.x). (Visited on 06/15/2016).
- [11] Anne Goujon, Samir KC, Markus Speringer, Bilal Barakat, Michaela Potancoková, Jakob Eder, **Erich Striessnig**, Ramon Bauer, and Wolfgang Lutz. “A harmonized dataset on global educational attainment between 1970 and 2060 – An analytical window into recent trends and future prospects in human capital development”. In: *Journal of Demographic Economics* 82.3 (Sept. 2016), pp. 315–363. ISSN: 2054-0892, 2054-0906. DOI: [10.1017/dem.2016.10](https://doi.org/10.1017/dem.2016.10). (Visited on 09/15/2016).
- [12] Emilio Zagheni, Raya Muttarak, and **Erich Striessnig**[†]. “Differential mortality patterns from hydro-meteorological disasters: Evidence from cause-of-death data by age and sex”. de. In: *Vienna Yearbook of Population Research* 1 (2016), pp. 47–70. ISSN: 1728-4414, 1728-5305. DOI: [10.1553/populationyearbook2015s47](https://doi.org/10.1553/populationyearbook2015s47). URL: <http://hw.oeaw.ac.at?arp=0x00344f49> (visited on 09/21/2016).
- [13] **Erich Striessnig**, Jing Gao, Brian O’Neill, and Leiwen Jiang. “Empirically-based spatial projections of U.S. population age structure consistent with the shared socioeconomic

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†Authors are listed alphabetically

- pathways”. en. In: *Environmental Research Letters* (Nov. 2019). ISSN: 1748-9326. DOI: [10.1088/1748-9326/ab4a3a](https://doi.org/10.1088/1748-9326/ab4a3a). URL: <http://iopscience.iop.org/10.1088/1748-9326/ab4a3a> (visited on 10/03/2019).
- [14] Wolfgang Lutz, Jesus Crespo Cuaresma[†], Endale Kebede[†], Alexia Prskawetz[†], Warren C. Sanderson[†], and **Erich Striessnig[†]**. “Education rather than age structure brings demographic dividend”. en. In: *Proceedings of the National Academy of Sciences* (June 2019), p. 201820362. ISSN: 0027-8424, 1091-6490. DOI: [10.1073/pnas.1820362116](https://doi.org/10.1073/pnas.1820362116). URL: <https://www.pnas.org/content/early/2019/06/07/1820362116> (visited on 06/11/2019).
- [15] **Erich Striessnig** and Jayanta Kumar Bora. “Under-Five Child Growth and Nutrition Status: Spatial Clustering of Indian Districts”. en. In: *Spatial Demography* (Mar. 2020). ISSN: 2164-7070. DOI: [10.1007/s40980-020-00058-3](https://doi.org/10.1007/s40980-020-00058-3). URL: <https://doi.org/10.1007/s40980-020-00058-3> (visited on 03/03/2020).

RESEARCH REPORTS

- [16] Samir KC, Wolfgang Lutz, Elke Loichinger, Raya Muttarak, and **Erich Striessnig**. *Reducing vulnerability in critical life course phases through enhancing human capital*. UNDP Human Development Report Office, Occasional Paper. New York, 2014. URL: <http://hdr.undp.org/en/content/reducing-vulnerability-critical-life-course-phases-enhancing-human-capital>.
- [17] **Erich Striessnig**, Wolfgang Lutz, Endale Kebede, and N. Gailey. *Facilitating the Demographic Transition, Enhancing the Demographic Dividend*. Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ). Bonn, Germany, 2019.

WORKING PAPERS

- [18] Warren Sanderson and **Erich Striessnig**. *Demography, Education, and the Future of Total Factor Productivity Growth*. Interim Report IR-09-002. Laxenburg, Austria: International Institute for Applied Systems Analysis, 2009. URL: <http://www.iiasa.ac.at/Admin/PUB/Documents/IR-09-002.pdf> (visited on 10/25/2010).
- [19] **Erich Striessnig** and Wolfgang Lutz. *Optimal Fertility*. Interim Report IR-11-031. Laxenburg, Austria: Institution for Applied Systems Analysis, 2011.
- [20] **Erich Striessnig**. *Too Educated to be Happy?* English. Interim Report IR-15-015. Laxenburg, Austria: International Institute for Applied Systems Analysis (IIASA), 2015. URL: http://www.iiasa.ac.at/publication/more_IR-15-015.php.
- [21] **Erich Striessnig** and Wolfgang Lutz. *Demographic Metabolism at Work?* English. Working Paper IR-16-001. Laxenburg, Austria: International Institute for Applied Systems Analysis (IIASA), 2016. URL: <http://pure.iiasa.ac.at/12385/1/WP-16-001.pdf>.
- [22] Wolfgang Lutz, Anastasia A. Lijadi, **Erich Striessnig**, Anna Dimitrova, and Melissa Caldeira Brant de Souza Lima. *Years of Good Life (YoGL): A new indicator for assessing sustainable progress*. en. IIASA Working Paper WP-18-007. Laxenburg, Austria: International Institute for Applied Systems Analysis (IIASA), Aug. 2018. URL: <http://pure.iiasa.ac.at/id/eprint/15402/> (visited on 08/03/2018).
- [23] **Erich Striessnig** and Jayanta Kumar Bora. *Under-Five Child Growth and Nutrition Status: Spatial Clustering of Indian Districts*. VID Working Paper 03/2019. Tech. rep. 2019.

LIST OF SCIENTIFIC TALKS

FEB 2020	<i>Climate Change and Sustainable Development: Insights from Multi-Dimensional Demography</i> , Invited Lecture at the University of Vienna, Austria
NOV 2019	<i>Räumliche und zeitliche Dimensionen der Familienformen von Kindern in Europa</i> , Deutsch-Österreichisch-Schweizerisches Demographentreffen (DACH 2019), Vienna, Austria
OCT 2019	<i>Multi-Dimensional Demography and Climate Change Vulnerability</i> , UNU Summer Academy, Accra, Ghana
JUN 2019	<i>Under-5 Child Growth and Nutrition Status: Spatial Clustering of Indian Districts</i> , Invited Lecture at the University of Southern Denmark, Odense
APR 2019	<i>Spatial projections of age structured population in the US</i> , Population Association of America (PAA 2019), Austin, USA
MAR 2019	<i>Spatial projections of age structured population in the US</i> , Scenarios Forum 2019, University of Denver, USA
JAN 2019	<i>Sozialer Wandel durch den demographischen Metabolismus</i> , Invited Lecture at the University of Rostock, Germany
JUL 2018	<i>Spatial Projections of Age-Structured Populations</i> , APA 2018, Shanghai, China
JUL 2018	<i>Spatial Dimensions of Family Structure: Children's' Living Arrangements over Time and Space in Europe</i> , APA 2018, Shanghai, China
JUN 2018	<i>Spatial Projections of Age-Structured Populations</i> , EPC 2018, Brussels, Belgium
APR 2018	<i>Spatial Projections of Age-Structured Populations</i> , PAA 2018, Denver, USA
APR 2018	<i>Spatial Dimensions of Family Structure: Children's' Living Arrangements over Time and Space in Europe</i> , PAA 2018, Denver, USA
NOV 2017	<i>Social and Spatial Dimensions of Population Heterogeneity</i> , Invited Lecture at the University of Melbourne, Australia
APR 2017	<i>Intergenerational Transmission of Attitudes Toward Migration as a Potential Antagonist of the Demographic Metabolism</i> , Population Association of America Annual Meeting (PAA) 2017, Chicago, USA
MAR 2016	<i>Attitudes toward Homosexuality change through the Demographic Metabolism: An international comparison</i> , Annual meeting of the Population Association of America (PAA) 2016, Washington D.C., USA
JAN 2016	<i>Too educated to be happy?</i> , Alp-Pop Conference, Villars-sur-Ollon, Switzerland
SEP 2016	<i>Too educated to be happy? An investigation into the relationship between education and subjective well-being</i> , European Population Conference 2016, Mainz, Germany
SEP 2016	<i>Demographic metabolism at work</i> , European Population Conference 2016, Mainz, Germany
NOV 2016	<i>The Age, Period and Cohort Dimension of Attitudes toward Migration</i> , HUGO Conference, Liege, Belgium
JUL 2015	<i>Differential mortality patterns from hydro-meteorological disasters: Evidence from vital records of cause of death data by sex and age</i> , Asian Population Association (APA) 3rd International Conference, Kuala Lumpur, Malaysia
JUN 2014	<i>The impact of climate change on the demography of meteorological disaster mortality</i> , European Population Conference 2014, Budapest, Hungary
APR 2014	<i>Future Differential Vulnerability to Natural Disasters by Level of Education</i> , International Seminar of the IUSSP Scientific Panel: Demographic Differential Vulnerability to Natural Disasters in the Context of Climate Change Adaptation, Kao Lak, Thailand
OCT 2012	<i>Optimal Fertility - What level of fertility should societies aim for?</i> , Congreso ALAP, Montevideo, Uruguay
JUN 2012	<i>Effects of educational attainment on climate risk vulnerability</i> , European Population Conference 2012, Stockholm, Sweden
JUL 2011	<i>Optimal Fertility - What level of fertility should society's aim for?</i> , ESRC Seminar Series, Portsmouth, United Kingdom