

Sergei Scherbov

CONTACT INFORMATION

International Institute for Applied Systems Analysis (IIASA), World Population Program
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CURRENT POSITIONS

2020– *Project Leader*, World Population Program, IIASA, Laxenburg, Austria
 2019– *Honorary Professor* at the College of Population Studies, Chulalongkorn University, Bangkok, Thailand
 2015– *Head of International Laboratory on Demography and Human Capital*, Russian Presidential Academy of National Economy and Public Administration (RANEPA)
 2011– *Director of Demographic Analysis*, Wittgenstein Centre for Demography and Global Human Capital (Univ. Vienna, IIASA, VID/OeAW), Vienna, Austria
 2002– *Head of Research Group* “Population Dynamics and Forecasting”, Vienna Institute of Demography (VID) of the Austrian Academy of Sciences, Vienna, Austria

PREVIOUS POSITIONS AND SERVICE

2013–2019 *Deputy Program Director*, World Population Program, IIASA, Laxenburg, Austria
 2013–2019 *Project Leader* “Reassessing Ageing from a Population Perspective”, World Population Program, IIASA, Laxenburg, Austria
 2018 *Panel Member for ERC Consolidator Grant*, European Research Council, Panel SH3 – The social world, diversity, population
 2016 *Panel Member for ERC Consolidator Grant*, European Research Council, Panel SH3 – The social world, diversity, population
 2014 *Panel Member for ERC Consolidator Grant*, European Research Council, Panel SH3 – Environment, space and population
 2013–2014 *Guest Professor* at the Department Socioeconomics, Vienna University of Economics and Business (WU)
 2010–2019 *Affiliated Professor* at the College of Population Studies, Chulalongkorn University, Bangkok, Thailand
 2002–2013 *Senior Scientist*, World Population Program, IIASA, Laxenburg, Austria
 1992–2002 *Guest Research Scholar*, World Population Project, IIASA, Laxenburg, Austria
 1991–2002 *Researcher and Senior Lecturer*, Population Research Centre, Faculty of Spatial Sciences, University of Groningen, Groningen, The Netherlands
 1989–1991 *Head*, WHO Collaborating Centre for Design and Application of Models of Chronic Non-Communicable Diseases for Modelling Morbidity and Mortality, Vienna, Austria
 1986–1991 *Research Scholar*, World Population Project, IIASA, Laxenburg, Austria
 1976–1986 *Senior Research Scholar & Head of the Demographic Group*, Department of Methods for System's Modelling, All-Union Research Institute for Systems Studies of the USSR Academy of Sciences, Moscow, Russia
 1975–1976 *Engineer*, Institute for Control Sciences of the USSR Academy of Sciences, Moscow, Russia

EDUCATIONAL ATTAINMENT

- 1983 PhD in Theory of Systems, Control Theory, and Systems Analysis from All-Union Research Institute for Systems Studies of the USSR Academy of Sciences, Moscow, Russia
- 1982 Young Scientists Summer Program (YSSP), International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria
- 1969–1975 B.A. and M.A. in Control Theory and Systems Studies, Moscow University of Aviation, Moscow, Russia

RESEARCH INTERESTS

Population projections, analysis of fertility and mortality, measuring ageing in ways that take life expectancy changes into account, computer methods in demographic analysis, issues related to human capital, modeling disability, multistate demography. Scherbov is the methodological leader and co-author of the series of world population projections produced at IIASA including the probabilistic world population projections.

PUBLICATIONS IN TOP JOURNALS

NATURE AND SCIENCE

- Sanderson, W.C., & Scherbov, S. (2010). Remeasuring aging. *Science*, 329(5997), 1287–1288.
- Lutz, W., Sanderson, W.C., & Scherbov, S. (2008). The coming acceleration of global population ageing. *Nature*, 451(7179), 716–719.
- Sanderson, W.C., & Scherbov, S. (2005). Average remaining lifetimes can increase as human populations age. *Nature*, 435(7043), 811–813.
- Lutz, W., O’Neill, B.C., & Scherbov, S. (2003). Europe’s population at a turning point. *Science*, 299(5615), 1991–1992.
- Lutz, W., Sanderson, W.C., & Scherbov, S. (2001). The end of world population growth. *Nature*, 412(6846), 543–545.
- Lutz, W., Sanderson, W.C., & Scherbov, S. (1997). Doubling of world population unlikely. *Nature*, 387(6635), 803–805.

POPULATION AND DEVELOPMENT REVIEW (the leading population journal)

- Ghislandi, S., Sanderson W.C., & Scherbov S. (2018). A Simple Measure of Human Development: The Human Life Indicator. *Population and Development Review*. <https://doi.org/10.1111/padr.12205>.
- Sanderson, W.C., & Scherbov, S. (2015). Are we overly dependent on conventional dependency ratios? *Population and Development Review*, 41(4), 687–708.
- Sanderson, W.C., & Scherbov, S. (2013). The characteristics approach to the measurement of population aging. *Population and Development Review*, 39(4), 673–685.
- Scherbov, S., Lutz, W., & Sanderson, W.C. (2011). The uncertain timing of reaching 8 billion, peak world population, and other demographic milestones. *Population and Development Review*, 37(3), 571–578.
- Sanderson, W.C., & Scherbov, S. (2007). A near electoral majority of pensioners: Prospects and policies. *Population and Development Review*, 33(3), 543–554.
- Goldstein, J., Lutz, W., & Scherbov, S. (2003). Long-term population decline in Europe: The relative importance of tempo effects and generational length. *Population and Development Review*, 29(4), 699–707.
- O’Neill, B.C., Scherbov, S., & Lutz, W. (1999). The long-term effect of the timing of fertility decline on population size. *Population and Development Review*, 25(4), 749–756.
- Scherbov, S., & van Vianen H. (1999) Marital and fertility careers of Russian women born between 1910 and 1935. *Population and Development Review*, 25(1), 129–143.
- Lutz, W., Sanderson, W.C., & Scherbov, S. (1998). Expert-based probabilistic population projections. *Population and Development Review, Supplementary Issue: Frontiers of Population Forecasting*, 24, 139–155.

SCIENTIFIC JOURNALS

2020

- (A77) Philipov, D., & Scherbov S. (2020). Subjective length of life of European individuals at older ages: Temporal and gender distinctions. *PLoS ONE* (in press).

2019

- (A76) Gietel-Basten, S., & Scherbov S. (2019). Is half the world's population really below 'replacement-rate'? *PLoS ONE* 14 (12): e0224985. DOI:10.1371/journal.pone.0224985.
- (A75) Gietel-Basten, S., & Scherbov S. (2019). Exploring the 'True Value' of Replacement Rate Fertility. *Population Research and Policy Review* DOI:10.1007/s11113-019-09561-y.
- (A74) Gietel-Basten, S., & Scherbov S. (2019). Better way to measure ageing in Oceania that takes life expectancy into account. *Australasian Journal on Ageing* DOI:10.1111/ajag.12692.
- (A73) Sanchez-Niubo A, Egea-Cortés L, Olaya B, Caballero F, Ayuso-Mateos J, Prina M, Bobak M, Arndt H, et al. (2019). Cohort profile: The Ageing Trajectories of Health – Longitudinal Opportunities and Synergies (ATHLOS) project. *International Journal of Epidemiology* 48 (4): dyz077. DOI:10.1093/ije/dyz077
- (A72) Gietel-Basten, S., Mau V., Sanderson W.C., Scherbov S., & Shulgin S. (2019) Ageing in Russia: A regional appraisal. *Journal of Population Ageing*. <https://doi.org/10.1007/s12062-019-9238-x>.
- (A71) Sanderson, W.C., Scherbov S., & Gerland P. (2019). The end of population aging in high-income countries. *Vienna Yearbook of Population Research* 2018, 16 (2018): 1–13. <https://doi.org/10.1553/populationyearbookXXXX>.

2018

- (A70) Shulgin, S., Zinkina Y. & Scherbov S. (2018). Life expectancy of elderly in Russia depending on educational status. *Demographic Review* 5(1), 25–38. <https://doi.org/10.17323/demreview.v5i1.7708> (in Russian)
- (A69) Ediev, D.M., Sanderson W.C., & Scherbov S. (2018). The inverse relationship between life expectancy-induced changes in the old-age dependency ratio and the prospective old-age dependency ratio. *Theoretical Population Biology*, November 14. <https://doi.org/10.1016/j.tpb.2018.10.001>.
- (A68) Ghislandi, S., Sanderson W.C., & Scherbov S. (2018). A simple measure of human development: The Human Life Indicator. *Population and Development Review*. <https://doi.org/10.1111/padr.12205>.
- (A67) Arpino, B., Bordone, V., & Scherbov, S. (2018). Smoking, education and the ability to predict own survival probabilities. *Advances in Life Course Research* 37: 23–30.

2017

- (A66) Sanderson, W.C., & Scherbov S. (2017). Introduction. *Vienna Yearbook of Population Research* 2016(14): 1–3.
- (A65) Gietel-Basten, S., Scherbov, S., & Sanderson, W.C. (2017). Towards a reconceptualising of population ageing in emerging markets. *Vienna Yearbook of Population Research* 2016(14): 41–65.
- (A64) Sanderson, W.C., & Scherbov S. (2017). A unifying framework for the study of population aging. *Vienna Yearbook of Population Research* 2016(14): 7–39.
- (A63) Scherbov, S., & Weber, D. (2017). Future Trends in the Prevalence of Severe Activity Limitations among Older Adults in Europe: A Cross-National Population Study Using EU-SILC. *BMJ Open* 7(9): e017654.
- (A62) Sanderson W, Scherbov S, & Gerland P (2017). Probabilistic Population Aging. *PLoS ONE* 12(6): e0179171.

2016

- (A61) Sanderson, W.C., Scherbov, S., Weber, D., & Bordone, V. (2016). Combined measures of upper and lower body strength and subgroup differences in subsequent survival among the older population of England. *Journal of Aging and Health* 28(7), 1178–1193.
- (A60) Scherbov, S., & Sanderson, W.C. (2016). New approaches to the conceptualization and measurement of age and aging. *Journal of Aging and Health* 28(7), 1159–1177.
- (A59) Philipov, D., & Scherbov, S. (2016). Differences by union status in health and mortality at older ages: results for 16 European countries. *Demographic Research*, 35(19), 535–556.

(A58) Scherbov, S., Sanderson, W.C., & Gietel-Basten, S. (2016). A better way to measure ageing in East Asia that takes life expectancy into account. *Australasian Journal on Ageing*, 35(2), 139-142.

(A57) Scherbov, S. & Ediev, D.M. (2016). Does selection of mortality model make a difference in projecting population ageing? *Demographic Research*, 34(2), 39–62.

2015

(A56) Sanderson, W.C., & Scherbov, S. (2015). Are we overly dependent on conventional dependency ratios? *Population and Development Review*, 41(4), 687–708.

(A55) Bordone, V., Scherbov, S., & Steiber, N. (2015). Smarter every day: The deceleration of population ageing in terms of cognition. *Intelligence*, 52(September), 90–96.

(A54) Gietel-Basten, S., Scherbov, S., & Sanderson, W.C. (2015). Remeasuring ageing in Southeast Asia. *Asian Population Studies*, 11(2), 191–210.

(A53) Sanderson, W.C., & Scherbov, S. (2015). A new perspective on patterns of aging in Europe by education and gender. *Journal of Population Ageing*, 9(3): 207–225.

(A52) Sanderson, W.C., & Scherbov, S. (2015). Faster increases in human life expectancy could lead to slower population aging. *PLoS ONE*, 10(4), e0121922. (for a translation in Portuguese see C108)

2014

(A51) Lutz, W., Butz W.P., KC S., Sanderson W.C., & Scherbov, S. (2014). Population growth: Peak probability. *Science*, 346(6209), 561.

(A50) Sanderson, W.C., & Scherbov S. (2014). Measuring the speed of aging across population subgroups. *PLoS ONE*, 9(5), e96289.

(A49) Scherbov, S., Sanderson, W.C., & Mamolo, M. (2014) Quantifying policy tradeoffs to support aging populations. *Demographic Research*, 30(20), 579–608.

2013

(A48) Ediev, D., Coleman, D., & Scherbov, S. (2013). New measures of population reproduction for an era of high migration. *Population, Space and Place*, 20(7), 622–645.

(A47) Sanderson, W.C., & Scherbov, S. (2013). The characteristics approach to the measurement of population aging. *Population and Development Review*, 39 (4), 673–685.

(A46) Basten, S., Lutz, W., & Scherbov, S. (2013). Very long range global population scenarios to 2300 and the implications of sustained low fertility. *Demographic Research*, 28, 1145–1166.

2012

(A45) Lutz, W., Butz, W.P., Castro, M., Dasgupta, P., Demeny, P.G., Ehrlich, I., Giorguli, S., Habte, D., Haug, W., Hayes, A., Herrmann, M., Jiang, L., King, D., Kotte, D., Lees, M., Makinwa-Adebusoye, P.K., McGranahan, G., Mishra, V., Montgomery, M.R., Riahi, K., Scherbov, S., Peng, X., & Yeoh, B. (2012). Demography's role in sustainable development. *Science*, 335(6071), 918–918

2011

(A44) Scherbov, S., & Ediev, D. (2011). Significance of life table estimates for small populations: Simulation-based study of estimation errors. *Demographic Research*, 24, 527–550.

(A43) Lutz, W., Sanderson W.C., & Scherbov, S. (2011). The uncertain timing of reaching 8 billion, peak world population, and other demographic milestones. *Population and Development Review*, 37(3), 571–578.

2010

(A42) Sanderson, W.C., & Scherbov, S. (2010). Remeasuring aging. *Science*, 329(5997), 1287–1288.

2009

- (A41) Sanderson, W.C., & Scherbov, S. (2009). Aging: A new look into an old problem. (W. Mohl, Ed.) *Wiener Klinische Wochenschrift*, 121(7-8 Supplement 1), 6–8.
- (A40) Ren, Q., Zheng, X., Lutz, W., & Scherbov, S. (2009). China's grave demographic challenges in coming decades. *China Economist*, May-June, 92–103. (English version of A37)
- (A39) Lutz, W., Sanderson, W.C., & Scherbov, S. (2009). Global and regional population ageing: How certain are we of its dimensions? *Journal of Population Ageing*, 1(1), 75–97.

2008

- (A38) Lutz, W., Sanderson, W.C., & Scherbov, S. (2008). The coming acceleration of global population ageing. *Nature*, 451(7179), 716–719.
- (A37) Ren, Q., Zheng, X., Lutz, W., & Scherbov, S. (2008). Uncertain demographic dynamics in China. *Chinese Journal of Population Science*, 6, 19–27 (in Chinese). (English version is A40)

2007

- (A36) Sanderson, W.C., & Scherbov, S. (2007). A near electoral majority of pensioners: Prospects and policies. *Population and Development Review*, 33(3), 543–554. Reprinted as IIASA RP-07-003, Laxenburg, Austria: IIASA.
- (A35) Lutz, W., Scherbov, S., Cao, G. Y., Ren, Q., & Zheng, X. (2007). China's uncertain demographic present and future. *Vienna Yearbook of Population Research*, 5, 37–59.
- (A34) Prskawetz, A., Kögel, T., Sanderson, W.C., & Scherbov, S. (2007). The effects of age structure on economic growth: An application of probabilistic forecasting to India. *International Journal of Forecasting*, 23, 587–602.
- (A33) Grübler, A., O'Neill, B.C., Riahi, K., Chirkov, V., Goujon, A., Kolp, P., Prommer, I., Scherbov, S., & Slentoe, E. (2007). Regional, national, and spatially explicit scenarios of demographic and economic change based on SRES. *Technological Forecasting and Social Change*, 74, 980–1029.
- (A32) Sanderson, W.C., & Scherbov, S. (2007). A new perspective on population aging. *Demographic Research*, 16, 27–58.
- (A31) Nikitina, S., & Scherbov, S. (2007). Probabilistic population projections for Russia. *Statistical Studies* 7, 6–9.
- (A30) Pirozhkov, S., Safarova, G. & Scherbov, S. (2007). Aging of population in Russia and Ukraine: Look into the future. *Advances in Gerontology*, 20(2), 14–22 (in Russian).

2005

- (A29) Sanderson, W.C., & Scherbov, S. (2005). Average remaining lifetimes can increase as human populations age. *Nature*, 435(7043), 811–813. Reprinted as IIASA RP-05-006, Laxenburg, Austria: IIASA.
- (A28) Lutz, W., & Scherbov, S. (2005). Will population ageing necessarily lead to an increase in the number of persons with disabilities? Alternative Scenarios for the European Union. *Vienna Yearbook of Population Research* (2005), 219–234.

2004

- (A27) Sanderson, W.C., Scherbov, S., O'Neill, B.C., & Lutz, W. (2004). Conditional probabilistic population forecasting. *International Statistical Review*, 72(2), 157–166.
- (A26) Lutz, W., & Scherbov, S. (2004). Probabilistic population projections for India with explicit consideration of the education-fertility link. *International Statistical Review*, 72(1), 81–92.
- (A25) Scherbov, S., & van Vianen, H. (2004). Marriage in Russia: A reconstruction. *Demographic Research*, 10(2), 27–60.
- (A24) Lutz, W., & Scherbov, S. (2004). Probabilistic population projections for Singapore and Asia. *Innovation*, 5(1), 44–45.

2003 and earlier

- (A23) Lutz, W., O'Neill, B.C., & Scherbov, S. (2003). Europe's population at a turning point. *Science*, 299(5615), 1991–1992.

- (A22) Goldstein, J., Lutz, W., & Scherbov, S. (2003). Long-term population decline in Europe: The relative importance of tempo effects and generational length. *Population and Development Review*, 29(4), 699–707.
- (A21) Lutz, W., Scherbov, S., & Sanderson W.C. (2003). The end of population growth in Asia. *Journal of Population Research*, 20(1), 125–141.
- (A20) Lutz, W., Scherbov, S., & Hanika, A. (2003). “Vienna: a city beyond aging” – revisited and revised. *Vienna Yearbook of Population Research* 2003, 181–195.
- (A19) Scherbov, S., & van Vianen, H. (2002). Period fertility in Russia since 1930: An application of the Coale-Trussell fertility model. *Demographic Research*, 6(16), 455–470.
- (A18) Scherbov, S. (2002). How many of us is going to be? *The Issues of Statistics*, State Committee of Russia on Statistics, 3, 2002, 17–23.
- (A17) Lutz, W., Sanderson, W.C., & Scherbov, S. (2001). The end of world population growth. *Nature*, 412(6846), 543–545.
- (A16) Scherbov, S., & van Vianen, H. (2001). Marriage and fertility in Russia of women born between 1900 and 1960: a cohort analysis. *European Journal of Population*, 17(3), 281–294.
- (A15) Scherbov, S. (1999). Too many and too old? Living with uncertainty in long-term population projections. *Orgyn (Organon's Magazine on Women & Health)*, 10(2), 22–27 (in German).
- (A14) O’Neill, B.C., Scherbov, S., & Lutz, W. (1999). The long-term effect of the timing of fertility decline on population size. *Population and Development Review*, 25(4), 749–756.
- (A13) Scherbov, S., & van Vianen H. (1999). Marital and fertility careers of Russian women born between 1910 and 1935. *Population and Development Review*, 25(1), 129–143.
- (A12) Lutz, W., Sanderson, W.C., & Scherbov, S. (1998). Expert-based probabilistic population projections. *Population and Development Review, Supplementary Issue: Frontiers of Population Forecasting*, 24, 139–155.
- (A11) Lutz, W., & Scherbov, S. (1998). An expert-based framework for probabilistic national population projections: the example of Austria. *European Journal of Population*, 14(1), 1–17. Reprinted as IIASA RP-98-010, Laxenburg, Austria: IIASA.
- (A10) Andreev, E., Scherbov, S., & Willekens, F. (1998). Population of Russia: What can we expect in the future? *World Development*, 26(11), 1939–1955.
- (A9) Lutz, W., & Scherbov, S. (1998). Probabilistische Bevölkerungsprognosen für Deutschland [Probabilistic population forecasts for Germany]. *Zeitschrift für Bevölkerungswissenschaft*, 23(2), 83–109 (in German).
- (A8) Hanika, A., Lutz, W., & Scherbov, S. (1997). Ein probabilistischer Ansatz zur Bevölkerungsvorausschätzung für Österreich [A probabilistic approach to population forecasting in Austria]. *Statistische Nachrichten*, 12, 984–988 (in German).
- (A7) Lutz, W., Sanderson, W.C., & Scherbov, S. (1997). Doubling of world population unlikely. *Nature*, 387(6635), 803–805. Reprinted as IIASA RP-97-010, Laxenburg, Austria: IIASA.
- (A6) Darsky, L., & Scherbov, S. (1995). Marital status behavior of women in the former Soviet Republics. *European Journal of Population*, 11(1), 31–62.
- (A5) Lutz, W., & Scherbov, S. (1992). Sensitivity of aggregation period life expectancy to different averaging procedures. *Population Bulletin of the United Nations*, 33, 32–46.
- (A4) Willekens, F., & Scherbov, S. (1992). Analysis of mortality data from the former USSR: Age-period-cohort analysis. *World Health Statistics Quarterly*, 45(1), 29–49.
- (A3) Scherbov, S., & Pirozkov, S. (1991). Some experience in modelling age-specific fertility rates for Ukraine, in family and family policy. *Quarterly: Demography and Sociology*. Institute of the Socio-Economic Problems of Population. Academy of Sciences of the USSR. Moscow (in Russian).
- (A2) Lutz, W., & Scherbov, S. (1989). Modellrechnungen zum Einfluss regional unterschiedlicher Fertilitätsniveaus auf die zukünftige Bevölkerungsverteilung in der Sowjetunion [Scenarios on the impact of regional fertility differential on the future regional population distribution in the Soviet Union]. *Zeitschrift für Bevölkerungswissenschaft* 15(3), 271–292 (in German).
- (A1) Vishnevsky, A., Anichkin, A., & Scherbov, S. (1988). The recent fertility trends in the USSR. *Sociological Studies*, No. 3, Moscow (in Russian).

BOOKS AND BOOK CHAPTERS

2019

(B28) Sanderson, W.C., Scherbov S. (2019). *Prospective Longevity: A New Vision of Population Aging*. Cambridge, MA: Harvard University Press.

2015

(B27) Sanderson, W.C., Scherbov S. (2015). An easily understood and intergenerationally equitable normal pension age. In: B. Marin (Ed.), *The Future of Welfare in a Global Europe* (pp. 193–220). Farnham, UK: Ashgate Publishing, Ltd.

2014

(B26) Sanderson, W.C., Scherbov, S., KC, S., & Lutz, W. (2014). Remeasuring 21st century population ageing. In: W. Lutz, W.P. Butz, & S. KC (Eds.), *World Population and Human Capital in the 21st Century* (pp. 563–590). Oxford University Press.

2009

(B25) Lutz, W., Sanderson, W.C., & Scherbov, S. (2009). Demographic and human-capital trends in Eastern Europe and Sub-Saharan Africa. In: Bertelsmann Stiftung & Migration Policy Institute (Eds.), *Talent, Competitiveness and Migration* (pp. 163–192). Guetersloh, Germany: Verlag Bertelsmann Stiftung.

(B24) Lutz, W., KC, S., Khan, H.T.A., Scherbov, S., & Leeson, G.W. (2009). Future ageing in Southeast Asia: Demographic trends, human capital, and health status. In: E. N. Arifin & A. Ananta (Eds.), *Older Persons in Southeast Asia: An Emerging Asset* (pp. 47–67). Singapore: ISEAS Publishing.

(B23) Lutz, W., KC, S., & Scherbov, S. (2009). Futuro crecimiento de la población, envejecimiento y capital humano en el Mediterráneo [Future population growth, aging and human capital around the Mediterranean]. In: W. Lutz & A. Goujon (Eds.), *Capital Humano, Género y envejecimiento en el Mediterráneo. Perspectivas a medio y largo plazo [Human Capital, Gender and Aging in the Mediterranean]* (pp. 19–29). Barcelona, Spain: IEMed (in Spanish).

(B22) Ren, Q., Zheng, X., Lutz, W., & Scherbov, S. (2009). Uncertain population dynamics and HIV/AIDS in China. In: D.L. Poston, J. Tucker, Q. Ren, B. Gu, X. Zheng, S. Wang, & C. Russell (Eds.), *Gender Policy and HIV in China* (Vol. 22, pp. 9–25). Dordrecht: Springer Netherlands.

2008

(B21) Lutz, W., & Scherbov, S. (2008). Can immigration compensate for Europe's low fertility? In: P. Festy & J.-P. Sardon (Eds.), *Hommage à Gérard Calot : Profession: démographe* (pp. 255–264). Paris, France: Institut National d'Etudes Demographiques (INED).

2006

(B20) Lutz, W., & Scherbov, S. (2006). Future demographic change in Europe: The contribution of migration. In: D.G. Papademetriou (Ed.), *Europe and Its Immigrants in the 21st Century: A New Deal or a Continuing Dialogue of the Deaf?* (pp. 207–222), Washington, D.C.: Migration Policy Institute and Luso-American Foundation.

2004

(B19) Lutz, W., Sanderson, W.C., & Scherbov, S. (Eds.). (2004). *The End of World Population Growth in the 21st Century: New Challenges for Human Capital Formation and Sustainable Development*. London, UK: Earthscan.

(B18) Lutz, W., Sanderson, W.C., & Scherbov, S. (2004). The end of world population growth. In: W. Lutz, W.C. Sanderson, & S. Scherbov (Eds.), *The End of World Population Growth in the 21st Century: New Challenges for Human Capital Formation and Sustainable Development* (pp. 17–83). London, UK: Earthscan.

(B17) Sanderson, W.C., Scherbov, S., Lutz, W., & O'Neill, B.C. (2004). Applications of probabilistic population forecasting. In: W. Lutz, W.C. Sanderson, & S. Scherbov (Eds.), *The End of World Population Growth in the 21st Century: New Challenges for Human Capital Formation and Sustainable Development* (pp. 85–120). London, UK: Earthscan.

- (B16) Lutz, W., Scherbov, S., Makinwa-Adebusoye, P.K., & Reniers, G. (2004). Population–environment–development–agriculture interactions in Africa: A case study on Ethiopia. In: W. Lutz, W.C. Sanderson, & S. Scherbov (Eds.), *The End of World Population Growth in the 21st Century: New Challenges for Human Capital Formation and Sustainable Development* (pp. 187–225). London. UK: Earthscan.

2002

- (B15) Lutz, W., Scherbov, S., Prskawetz, A., Dworak, M., & Feichtinger, G. (2002). Population, natural resources, and food security: Lessons from comparing full and reduced-form models. In: W. Lutz, A. Prskawetz, & W.C. Sanderson (Eds.), *Population and Environment. Methods of Analysis* (pp. 199–224) Supplement to Population and Development Review, 28, 2002. New York: The Population Council.

2000

- (B14) Lutz, W., & Scherbov, S. (2000). Quantifying vicious circle dynamics: The PEDDA model for population environment development and agriculture in African countries. In: E. Dockner, R. Hartl, M. Luptacik, & G. Sorger (Eds.), *Optimization, Dynamics and Economic Analysis* (pp. 311–322). Heidelberg: Springer/Physica.

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(C7) Scherbov, S., & Usbek, H. (1983). *Simulation of Multiregional Population Change: an Application to the German Democratic Republic*. (Working Paper WP-83-6), Laxenburg, Austria: IIASA.

1982 and earlier

(C6) Scherbov, S., & Yurchenko, V. (1982). Simulation of Age-Specific Fertility and Mortality. In *Man-Computer System for Modelling Global Development Processes* (in Russian), Moscow: All-Union Research Institute for Systems Studies.

(C5) Scherbov, S., & Yurchenko, V. (1981). Simulation of Demographic Development of the Region, In Proceedings of All-Union conference *Global Problems of World Development*, Yurmala, 1980, Latvian State University.

(C4) Scherbov, S., & Golubkov, V. (1980). *Exponential Approximation*, Preprint, Moscow: All-Union Research Institute for Systems Studies.

(C3) Scherbov, S., & Golubkov, V. (1980). Fitting Functions by Exponents with Complex Indices. In *Methods for Studying Complex Systems* (in Russian), Moscow: All-Union Research Institute for Systems Studies.

(C2) Scherbov, S., & Golubkov, V. (1979). Identification of Parameters Using Finite-Difference Gauss-Newton-like Method, In *Collection of papers of All-Union Research Institute for Systems Studies*, Vol.8 (in Russian), Moscow: All-Union Research Institute for Systems Studies.

(C1) Scherbov, S. (1978). Accounting Age-Sex Structure of Population in Global Models. In *Collection of papers of All-Union Research Institute for Systems Studies*, Vol.1 (in Russian), Moscow: All-Union Research Institute for Systems Studies.

AWARDS

2019	Doctoral Degree in Liberal Arts (Honoris Causa), Chulalongkorn University
2016	Award for his contribution to research and capacity building at the College of Population Studies, Chulalongkorn University
2015	European Union's Horizon 2020 research and innovation program to study "Ageing Trajectories of Health: Longitudinal Opportunities and Synergies" (635316-ATHLOS), together with 14 research partners
2012	European Research Council Advanced Investigator Grant. 2.25 million Euro to study "Reassessing Ageing from a Population Perspective" (323947-Re-Ageing)
2010	The leading Austrian newspaper Der Standard (28.12. 2010) named Scherbov's work on ageing among several most important discoveries of Austrian science in 2010
1988	Silver Medal of the State Exhibition of Achievements of National Economy, USSR for the series of works in the framework of the theme Systems Modelling of Global Development

FUNDED RESEARCH PROJECTS

2015–2020	Partner in the European Union's Horizon 2020 research and innovation program under grant agreement No 635316. Project Name: Ageing Trajectories of Health: Longitudinal Opportunities and Synergies, (ATHLOS).
2013–2019	European Research Council Advanced Investigator Grant. 2,249,996.24 Euro to study "Reassessing Ageing from a Population Perspective" (323947-Re-Ageing)
2008	Statistik Austria "Analysis, evaluation and adjustment of extensive models for mortality projections"
2006–2008	Technical Assistance to CIS countries (TACIS) (European Union, Brussels), System of current estimation, analysis and forecasting of number and structure of households in the periods between censuses
1998–2003	Leader of the project "Contemporary Socio-demographic Developments in Russia: Findings from 1994 Microcensus" funded by .Dutch National Research Council (NWO)
1994–2000	Technical Assistance to CIS countries (TACIS) (European Union, Brussels), principal developer of the System of Population Monitoring and Projections for the Russian Federation for State Committee on Statistics of the Russian Federation.
1994	INTAS program (European Union, Brussels), Demographic Prospects of the former USSR by state (republic), region and nationality. Collaboration with Department of Applied Social Studies, Oxford University, and Institute of Statistics and Economic Studies, of the State Committee of Russia Federation on Statistics
1992–1993	NWO program for Assistance for the former Soviet Union. Cooperation with Institute of Statistics and Economic Studies of the State Committee of Russia Federation on Statistics
1992–1996	NWO-IIASA programme, European Monitoring System.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Asian Population Association (APA)
- Member of UNFPA EECA CSO/Youth Steering Committee (2012–)
- International Union for the Scientific Study of Population (IUSSP)
- Population Association of America (PAA)
- Advisory Board, European Studies of Population, Kluwer Academic Publishers (1998–2005)
- Working Group on Demographic Projections, Statistics Netherlands (1998–2003)

INVITED PRESENTATIONS

In the years 2002-2011 more than 100 lectures and presentations in about 30 different countries, including presentations at the meetings of International Union for Scientific Study of Population (IUSSP), European Association for Population Studies (EAPS), Population Association of America (PAA), Asia Population Association (APA), The British Society for Population Studies (BSPS), and International Institute of Forecasters (IFF).

2011-2020 (selected)

- *Gaidar Forum 2020: Russia and the World – Challenges of the New Decade*, 15-16 January 2020, Moscow, Russia
- *Chulalongkorn University*, Special Lecture: Prospective longevity: A new vision of population aging, 15 November 2019, Bangkok, Thailand
- Division of Public Policy, The Hong Kong University of Science and Technology, PPOL Seminar: Prospective longevity: A new vision of population aging, 10 October 2019, Hong Kong
- *Chatham House 2019 Gender and Growth Forum*, 8-9 July 2019, London, UK
- *St. Petersburg International Economic Forum*, 6-8 June 2019, St. Petersburg, Russia
- *Gaidar Forum 2019: Russia and the World – National Development Goals and Global Trends*, 15-17 January 2019, Moscow, Russia
- *Annual Association of Pacific Rim Universities Research Conference on Population Aging*, Reconceptualising Aging in Greater China, 7 December 2018, Hong Kong
- *United Nations Population Division*, Redefining old age, 5 November 2018, New York, USA
- *Chulalongkorn Asian Heritage Forum: Culture of Longevity is organized by the Institute of Thai Studies, Faculty of Pharmaceutical Science, and the College of Population Studies, at Chulalongkorn University*: New look at Aging, 15 August 2018, Bangkok, Thailand
- *University of Macau*, Reconceptualizing ageing in China and North-East Asia, Macau, china
- *Gaidar Forum 2018: Russia and the World – Values and virtues: Innovative Approaches to Assessing Population Aging*, 16-18 January 2018, Moscow, Russia
- *Russian Presidential Academy of National Economy and Public Administration (RANEPA): High level training to top Russian reserve of decision makers*, Analysis and interpretation of demographic indicators. Russian Demographic datasheet 2016, 13 September 2017, Moscow, Russia
- *Department of Population at the Faculty of Economics, Moscow State University international scientific conference entitled 'Demographic education and population studies in universities'*, Gender Inequality in Survival in Older Ages, 18-20 October 2017, Moscow, Russia
- *Spanish National Research Council Lecture Series 'Demography today': Remeasuring ageing: are the 40s really the new 30s?* 21 March 2017, Madrid, Spain
- *Gaidar Forum 2017: Russia and the World – Setting Priorities: Russian Demographic Data Sheet 2016*, 12-14 January 2017, Moscow, Russia
- *50th Anniversary College of Population Studies (CPS) at Chulalongkorn University conference “Half a century of Thai population and world population”*: World Population Aging: Opportunities and Challenges, 22 November 2016, Bangkok, Thailand
- *Asia/Oceania 2015 Congress of the International Association of Gerontology and Geriatrics: Rethinking age and aging*, 19-22 October, Chiang Mai, Thailand
- *Shanghai Forum 2015: Re-measuring age and ageing*, 23–25 May 2015, Shanghai, China
- *Central House of Scientists of the Russian Academy of Sciences: New look at the Population Ageing*, 16 March 2015, Moscow, Russia
- *Gaidar Forum 2015: Russia and the World - New Dimensions*, 14–16 January 2015, Moscow, Russia
- *El Colegio de México*, Center for Demographic, Urban and Environmental Studies: New Measure of Age and Ageing, 5 February, Mexico D.F. Mexico
- *Vienna Congress consult 2014*, 21 January 2014, Vienna, Austria
- *Higher School of Economics*, Conference “Low Fertility and Low Mortality: Observable Reality and Visions of the Future”: Demographic Forecasts and the Role of Population Policy organized by, 31 October 2013, Moscow, Russia
- *International Population Conference at Moscow State University*, Keynote Lecture: Re-evaluating Aging in Europe., November 14, 2012, Moscow, Russia
- *Universitat Autònoma de Barcelona*, 16 February 2012, Barcelona, Spain

- *Moscow State University*, Faculty of Economics, 6 February 2012, Moscow, Russia
- *International Symposium on Population Estimates And Projections: Methodologies, Innovations And Estimation of Target Population Applied To Public Policies*, organized by Latin American Population Association (ALAP), “A New Look at the Future Aging in the World”, 8–12 November 2011, Rio de Janeiro, Brazil
- *CIS Inter-Parliamentarian Assembly*, 23–24 June 2011, St. Petersburg, Russia
- Office of Deputy Prime Minister, “Population projections, uncertainty and aging”, 1415 June, Abu-Dhabi, UAE, 2008
- *International Symposium “Ageing Societies – Mature People”*, Austrian Academy of Sciences (ÖAW), 10 May 2011, Vienna, Austria
- *Symposium on the Impact of Demographic Change in Thailand*, 27–28 April 2011, Bangkok, Thailand (meetings attended by government, including Prime Minister)
- *Chulalongkorn University*, 4 March 2011, Bangkok, Thailand
- *Nihon University*, 3 February 2011, Tokyo, Japan

PAPER PRESENTATIONS AT PEER-REVIEWED MAJOR INTERNATIONAL CONFERENCES (SELECTED)

2019

11th IAGG Asia/Oceania Regional Congress, 23-27 October, Taipei, Taiwan.

Paper: “Redefining old Age”, co-author W.C. Sanderson

2018

Asian Population Association Conference 2018, 11-14 July, Shanghai, China.

Paper: “Handgrip Strength and Remaining Years of Life: Defining a Threshold Below Which a Weak Grip Starts to Substantially Increase Mortality Risks”, co-author N. Steiber

Fourth Asian Conference on Aging & Gerontology, 8-11 June 2018, Kobe, Japan.

Paper: “Aging in the World: Aging Demographic Datasheet 2018”, co-authors S. Andruchowitz and W.C. Sanderson

2017

XXVIII IUSSP International Population Conference, 28 October-5 November, Cape Town, South Africa.

Papers: “Probabilistic Population Aging”, co-authors W.C. Sanderson and P. Gerland

“Gender Inequality in Survival at Older Ages”, co-author W.C. Sanderson

“A modest proposal for a lean and reliable measure of human development: the Human Life Index”, co-authors W.C. Sanderson and S. Ghislandi

21st IAGG World Congress of Gerontology and Geriatrics, 23-27 July 2017, San Francisco, USA.

Paper: “New Ways to Redefine old Age”, co-author W.C. Sanderson

Asian Conference on Aging & Gerontology, 8-11 June, Kobe, Japan,

Paper: “Redefining Old Age” co-author W.C. Sanderson

Population Association of America Annual Meeting, 27–29 April, Chicago, USA,

Papers: “Probabilistic Population Aging”, co-author s W.C. Sanderson and P. Gerland

“The Conventional and Prospective Median Population Ages May Lead in Exact Opposite Directions” co-authors D. Ediev and W.C. Sanderson

2016

Wittgenstein Centre (IIASA, VID/ÖAW, WU) Summer School, 6–15 June, Vienna, Austria

Lecture: “A new way of looking at age and ageing”

28th REVES Meeting, 8–10 June, Vienna

Paper: “Subjective life expectancy: differences by smoking, education and gender”, co-authors B. Arpino and V. Bordone

Population Association of America Annual Meeting, 31 March–2 April, Washington, DC, USA,

Paper: “Probabilistic Population Aging?”, co-author W.C. Sanderson

2015

Asian Population Association Conference, 27–30 July, Kuala Lumpur, Malaysia.

Paper: “Smarter Every Day: The Deceleration of Population Aging in Terms of Cognition”, co-authors V. Bordone and N. Steiber

27th REVES Meeting, 2–4 June, Singapore,

Paper: “A Unifying Framework for the Study of Population Ageing”, co-author W.C. Sanderson

Population Association of America Annual Meeting, 29 April–2 May, San Diego, USA,

Paper: “Faster Increases in Human Life Expectancy Will Lead to Slower Population Aging”, co-author W.C. Sanderson

2013

XXVII IUSSP International Population Conference, 26–30 August, Busan, Korea.

Paper: “Quantifying policy tradeoffs to support aging populations”, co-authors W.C. Sanderson and M. Mamolo

2012

Asian Population Association (APA) Conference, August 27, 2012, Bangkok, Thailand. Rethinking Aging in Asia.

2011

Annual meeting of the British Society for Population Studies, 7–9 September, 2011, York, UK

Annual Meeting of the Population Association of America (PAA), 31 March–2 April, 2011 Washington DC, USA

2009

Eurasia-Pacific Uninet meeting “Prevention of Age-Related Diseases”, 28–31 October 2009, Fudan University, Shanghai, China.

Paper: “Future Trends in the Prevalence of Severe Activity Limitations in Developed Countries”, co-author W.C. Sanderson

XXVI IUSSP International Population Conference, 27 September 2009, Marrakech, Theme convener, Session Chair; Participant.

Paper: “Life table techniques for small populations: Effects of population size, of the mortality level, and of age composition”, co-author D. Ediev

Meeting “Prevention of Age-Related Diseases” at Fudan University, Shanghai, China, organized by Eurasia-Pacific Uninet.

Paper “Future Trends in the Prevalence of Severe Activity Limitations in Developed Countries”, co-author W.C. Sanderson

29th International Symposium on Forecasting, 19–26 June, Hong Kong.

Paper: “A New Perspective on Population Aging”, co-author W.C. Sanderson

Hihon University Population Research Institute, 14–20 March.

Paper: “New measures of aging”, co-author W.C. Sanderson

2008

International Conference on Multifacetal Aspects of Aging and Aging Diseases at Peking University, Beijing, October 29

Lecture: “Aging: A New Look into an Old Problem”

2007

International meeting on Family and Social Policy at the State University –Higher School of Economics, 28–29 November, Moscow, Russia.

Paper: “Probabilistic household projections for Russia”, co-author D. Ediev

ISEAS Workshop on Financing Issues for an Ageing Society in Southeast Asia, organized by the Institute of Southeast Asian Studies, 3–4 September, Singapore.

Papers: “Future Ageing in Southeast Asia: Demographic Trends, Human Capital and Health Status”, co-author W. Lutz, and “Future Ageing in Southeast Asia: a New Perspective”

VI European Congress of the International Association of Gerontology and Geriatrics, 5–8 July, Saint Petersburg, Russia.

Presentation: “Ageing: a new look into an old problem”, co-author W.C. Sanderson

Conference “The Chances of Population Aging: Interdisciplinary Perspectives - International Experiences”, organized by the Bertelsmann Foundation, Bremen University, Graduate School of Social Sciences, Jacobs University Bremen, and the Hanse Wissenschaftskolleg (HWK), 3–5 May, Delmenhorst, Germany.

Plenary presentation: “Forecasting Population Aging – What are the prospects?”, co-author W.C. Sanderson

Annual Meeting of the Population Association of America, 28–31 March, New York, USA.

Poster: “Urbanization in India and China: Interpreting the UN projections”, co-author B.C. O'Neill

Round table meeting: “Perspective of demographic policy implementation in the Republic of Belarus”, 7 February at the Parliament of Belarus.

Invited presentation: “Probabilistic Population Projections for Belarus”

2005

Annual Meeting of the Population Association of America, 31 March –2 April, Philadelphia, Pennsylvania.

Papers: “China’s Uncertain Demographic Present and Future”, co-authors W. Lutz, Q. Ren and X. Zheng, and “Immigration and Ethnic Change in Low-Fertility Countries – Towards a New Demographic Transition?”, co-author D.A. Coleman

2004

24th International Symposium on Forecasting, 5 July, Sydney, Australia.

Invited presentation: “Putting Oeppen and Vaupel to Work: On the Road to New Stochastic Mortality Forecasts”, co-author W.C. Sanderson

Annual Meeting of the Population Association of America, 1–3 April, Boston, MA.

Paper: “Forecasting Long Run Economic Growth in India: An Application of Probabilistic Demographic Projections”, co-authors A. Prskawetz, T. Kögel, and W.C. Sanderson

2003

Annual Meeting of the Population Association of America, paper the, Minnesota, 1–3 May.

Paper: “Europe’s population at a turning point” co-authors W. Lutz and B.C. O'Neill

2002

IUSSP Regional Population Conference, 10–13 June, Bangkok.

Paper: “Probabilistic population projections based on expert opinion: Methodological and practical issues with application to South Asian countries”

EUROSTAT seminar on “data needs for an ageing society, 22–24 May, The Hague.

Paper: “Europe’s ageing population: Quantifying the uncertainty”, co-author W. Lutz

Meeting “Fertility decline, below Replacement Fertility and the Family in Asia: Prospects, Consequences and Policies”, National University of Singapore, 10–12 April, Singapore

Paper: “The End of Population Growth in Asia: Projecting the Long Term Consequences of Fertility Decline Below Replacement”, co-author W. Lutz

2001

XXIV IUSSP General Population Conference, 18–24 August, Salvador de Bahia, Brazil.

Paper: “Modelling Population-Environment-Development-Agriculture Interactions for Science Policy Communication and Advocacy in Africa: the PEDDA model”, co-authors W. Lutz, P. Makinwa-Adebusoye, and G. Reniers

Annual Meeting of the Population Association of America, March 2001, Washington.

Paper: “Period fertility in Russia since 1930: an application of the Coale-Trussell model”, co-author H. van Vianen

2000

European Union-sponsored Symposium on “The Challenge of Demographic Ageing and the Knowledge-Based Society”, Athens, Greece, 2–3 November.

Paper: “Likely Future Population Trends in Greece and in the European Union”, co-authors W. Lutz and W.C. Sanderson

Annual Meeting of the Population Association of America, March 2000, Los Angeles.

Papers: “New Developments in the Methodology of Expert- and Argument-based Probabilistic Population Forecasting”, co-authors W. Lutz, P. Saariluoma and W.C. Sanderson, and “Marriage Squeezes in Russia: Evidence from the 1994 Microcensus”, co-author H. van Vianen

1999

European Population Conference, September 1999, The Hague, The Netherlands

Paper: “Fertility change in Russia since 1930: data and estimates”, co-author H. van Vianen

Workshop on Population-Development-Environment, organized by the Max Planck Institute for Demographic Research, 12–13 August, Rostock, Germany.

Paper: “Quantifying Vicious Circle Dynamics: The PDE Model for Population, Environment, Development and Agriculture in African Countries”

Joint ECE/Eurostat work session on demographic projections, 3–7 May, Perugia, Italy.

Papers: “How to operationalize expert based probabilistic population projections?”, co-author W. Lutz, and “What Do We Know About the Future Changes in the Proportions of Children and Elderly in Europe?”, co-author W. Lutz

Annual Meeting of the Population Association of America, April 1999, New York, USA.

Paper: “The Fertility Transition in Russia: Women Born Between 1900 and 1960”, co-author H. van Vianen

1998

European Population Committee. 10–12 June 1998, Strasbourg, Council of Europe.

Invited speaker “Probabilistic Demographic Projections”

Workshop on Nonlinear Demography, the Max Planck Institute for Demographic Research, 26–28 May, Rostock, Germany. Paper: “Probabilistic Population Projections”, co-author W. Lutz

Annual Meeting the Population Association of America. April 1998, Chicago, USA.

Paper: “Marital and Fertility careers of Russian women born between 1910 and 1935”, co-author H. van Vianen

1997

Population Projection Party, EUROSTAT, September 1997. Paper: “Probabilistic Population Projections”

Annual Meeting of the Population Association of America, 5–7 May, 1997, Washington DC, USA.

Paper: “Marital Status Behavior of Women in the Former USSR: Regional Aspects”, co-authors E. Andreev and F. Willekens

INTAS meeting in, April 1997, Moscow, Russia. Paper: "Future population trends in Russia"
Annual Meeting of the Population Association of America. March 1997, Washington, USA.
Paper: "Population of Russia: Fewer and Older", co-authors E. Andreev and F. Willekens
Workshop on "Demographic change in Russia", University of Colorado, Boulder, March 1997.
Paper: "Population of Russia as revealed by 1994 Micro census"

1996

International workshop "Rethinking population projections", International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria, June 1996
Paper: "New Opportunities for Demographic Software Development"

1994

Annual Meeting of the Population Association of America, 5–7 May, Miami, Florida, USA.
Paper: "Marital Status Behavior of Women in the Former USSR: Regional Aspects", co-author L. Darsky

1992

International Colloquium Population of the Former USSR in the 21st Century, 29 September–2 October, Amsterdam, The Netherlands
Paper: "Mortality in The Former Soviet Union: Past and future", co-author E. Andreev and F. Willekens
First Congress of the International Ukrainian Economic Association "Economics of Ukraine: Past, Present and Future", 18–22 May, Kiev
Paper: "Marital Experience of Ukrainian women", co-author F. Willekens
Annual Meeting of the Population Association of America, 30 April–2 May, Denver, USA.
Paper: "Population Prospects for the Republics of the Former USSR", co-author E. Andreev

1991

International conference "Demographic trends, Aging, and Noncommunicable Disease Problems", Moscow, USSR, 1–3 October 1991
Paper: "APC Analysis of Mortality in the USSR", co-author F. Willekens
US-USSR Population Symposium, 18–20 March, Washington, D.C.
Paper: "Parity Progression Fertility Tables for 17 Nationalities of the USSR", co-author L. Darsky

1989

Annual Meeting of the Population Association of America, 29 March–1 April, Baltimore USA.
Paper: "Regional Mortality Patterns in the USSR: Impacts on future Population Composition", co-author W. Lutz

1987

WHO Consultation on Efficacy and Effectiveness of the Integrated Program for Community Health in Noncommunicable Diseases, held in, 14–16 December, Geneva, Switzerland.
Paper: "Understanding Medical and Demographic Trends with MEDDAS", co-author M. Rusnak

1989

Meeting organized by the World Health Organization (WHO), 14–18 November, Bratislava, Czechoslovakia.
Paper: "Mortality and Morbidity Projections: Lung Cancer", co-author M. Rusnak
European Population Conference, June 1989, Prague, Czech Republic.
Paper: "The Aging of the 'Baby Boom' in German Speaking Countries", co-authors W. Lutz and G. Heilig

ORGANIZATION OF INTERNATIONAL CONFERENCES (SELECTED)

- 2019 Organizer of the Expert Group Meeting: “Measuring Population Ageing: Bridging Research and Policy”, IIASA, United Nations Population Division and Chulalongkorn University, 25-26 February, Bangkok, Thailand
- 2014 Organizer of the International Conference “New Measures of Age and Ageing”, Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/OeAW, WU), Vienna Institute of Demography, 3–5 December, Vienna, Austria
- 2009 International Union for the Scientific Study of Population (IUSSP) International Population Conference - convener of the whole area “Forecasting, methods and data” that consisted of 10 sessions and session organizer
- 2008 International Conference “Effects of Migration on Population Structures in Europe”, organized by Vienna Institute of Demography/IIASA- chairman of organizing committee
- 2007 Assisting UNFPA and Moldavian government in conceptualizing support for the National Population and Development Commission 10–14 December, Kishinev, Moldova
- 2006 Member of organizing committee, International Seminar “Mortality in Countries of the Former USSR” organized by INED/UNFPA/MPIDR
- 2001 Invited session Organizer at the XXIV IUSSP General Population Conference, Brazil, Session: “Demographic Software”
- 2000 Invited session Organizer at Population Association of America (PAA 2000), Los Angeles, USA, Session: “Demography of Europe”
- 1996 Member of the United Nation Working Group on “Projecting Old-age Mortality and its Consequences”, 3–5 December, New York, USA
- 1995 Invited session Organizer at the 3rd European Population Conference, 4–8 September, Milan, Italy, Session: “Mathematical Models for Demographic Analysis”
- 1995 Organizer of the international workshop “Alternative Demographic Scenarios for European Transition Countries” 8–9 December, Groningen, The Netherlands
- 1992 Chairman, Organizing Committee, International Colloquium on Population of the Former USSR in the 21st Century, 29 September–2 October, Amsterdam, The Netherlands
- 1990 Member, Organizing Committee, International Conference (WHO) on “Demographic Trends, Aging and Non-communicable Disease Problems”, May, Moscow, Russia.
- 1990 Member, Organizing Committee, International Symposium Demographic Processes in the USSR in the XX Century in the Context of the European Experience, October, Tbilisi, Georgia.
- 1987–1991 Member, The Scientific Council for Social-Demographic Development, Committee for Systems Analysis, USSR Academy of Sciences.
- 1985 Member, Organizing Committee, International School on Mathematical Demography, September, Moscow, Russia.

TEACHING (selected)

In the last 10 years, he gave about 60 intensive “hands on” courses in the field of Demographic Analysis, New Methods and Concepts in Demography, Population Projections, and Computer Applications at the universities, academic institutions and statistical offices of Europe, North America, Eastern Europe, Africa and Asia. Many of those courses were organized by United Nations Fund for Population Activities (UNFPA). Several hundreds of PhD students, post docs and professionals attended those courses and learned how to use modern demographic methods and apply new ideas and methods of demography. From 1991–2002 he developed and taught annually 200 hours intensive courses on Demographic Analysis and Computer Applications at the University of Groningen

European Doctoral School of Demography (EDSD), one week intensive courses

- 2013 Universitat Autònoma de Barcelona, Barcelona, Spain, 11–15 March.
- 2012 Universitat Autònoma de Barcelona, Barcelona, Spain, 13–17 February.
- 2011 University of Lund, Lund, Sweden, 17–21 January.
- 2010 University of Lund, Lund, Sweden, 18–22 January.
- 2009 Institut National D'études Démographiques (INED), Paris, France, 1-6 March.

International training courses in demography for PhD students, post docs and researchers, College for Population Studies (CPS), Chulalongkorn University, Bangkok

- 2019 High-level international research workshop on “Demographic Analysis with Applications to Aging and Health”, 4–22 November.
- 2018 High-level international research workshop on “Demographic Analysis with Applications to Aging Societies”, 19–30 November.
- 2017 High-level international research workshop on “Demographic Analysis with Applications to Aging Societies”, 20 November–1 December.
- 2016 High-level international research workshop on “Demographic Analysis with Applications to Aging Societies”, 7–18 November.
- 2015 High-level international research workshop on “Demographic Analysis with Applications to Aging Societies”, 23 November–4 December.
- 2014 High-level international research workshop on “Demographic Analysis and Computer Application”, 7–16 October.
- 2013 High-level international research workshop on “Demographic Analysis and Computer Application”, 8–18 October.
- 2012 High-level international research workshop on “Demographic Analysis and Computer Application”, 30 August–12 September.
- 2011 High-level international research workshop on “Demographic Analysis and Computer Application”, 28 February–13 March.
- 2004 Intensive 5 weeks international training course on “Advanced Demographic Techniques”, 20 September–22 October.
- 2003 Intensive 2 weeks course “Past and Future Demographic Trends by Level of Education in the Countries of South-East Asia”, 6–17 October.
- 2002 Intensive 2 weeks course “Projections of Human Capital and Probabilistic Population Projections” for the specialists in population projections of Asian countries, 20 September–22 October.

Intensive training courses organized by United Nations Fund for Population Activities (UNFPA)

- 2012 Intensive course “Development of Population Projections”, for specialists in population projections from Academy of Sciences, Statistical office and other government organizations. 14–18 May, Minsk, Belarus.
- 2011 Lectures at the Presidential Academy on the main issues of population analysis. 13–16 October, Minsk, Belarus.
- 2010 Intensive training course “Demographic Methods and Population Projections” for teaching staff, PhD students and post docs at the Byelorussian State University, 08–12 November, Belarus.

- 2009 Intensive training on “Modern Methods of Demographic Analysis” for participants from Academy of Sciences, University and Government, 29 June–10 July, Tashkent, Uzbekistan.
- 2009 Intensive training course “Demographic Analysis and Computer Applications” for participants from Academy of Sciences, University and Government, 11–25 May, Chisinau, Moldova.
- 2008 Intensive training course “Demographic Analysis and Computer Applications” for PhD students and young researchers from Academy of Sciences, University and Government, 15–26 September, Chisinau, Moldova.
- 2008 Intensive training course “Demographic analysis and computer applications”, 14–22 June, Ashkhabad, Turkmenistan.
- 2006 Intensive training workshop for UNFPA staff “Social and Population Policies”, 1–3 March, Bratislava, Slovakia.

Other training courses

- 2014 Intensive 2 weeks course “Population, Human Capital and Policy”, at Vienna University of Economics and Business, 4–21 November, Vienna, Austria
- 2013 Intensive 2 weeks course “Population, Human Capital and Policy”, at Vienna University of Economics and Business, 4–26 October, Vienna, Austria
- 2007 Hands-on-training in “Advanced Methods of Demographic Analysis”, at Russian Federal State Statistics Service in the framework of TESIS project, 18–22 June, Moscow, Russia.
- 2007 Hands-on-training “Advanced Methods of Demographic Analysis”, at Russian Federal State Statistics Service in the framework of TESIS project, 9–13 April, Moscow, Russia.
- 2001 Intensive 2 weeks training “Advanced Methods of Demographic Analysis and Forecasting using PC”, for experts form State Committee on Statistics of Russian Federation, in the framework of European Union Technical Assistance to CIS countries (TACIS) project: the System of Population Monitoring and Projections for the Russian Federation, September, Moscow, Russia.
- 2001 Intensive 2 weeks course “New Approaches & Methods of Population Forecasting”, for specialists in population projection of Asian countries in the framework of Asian Population Network, March, Singapore.
- 2000 Intensive 2 weeks training “Methods of Analysis and Demographic Forecasting using PC”, for experts form State Committee on Statistics of Russian Federation, in the framework of European Union Technical Assistance to CIS countries (TACIS) project: the System of Population Monitoring and Projections for the Russian Federation, June, Moscow, Russia.
- 2000 Training workshop on “Computer Based Demographic Analysis”, UN Economic Commission for Africa, 4–14 July, Addis-Ababa, Ethiopia.
- 1999 Training workshop on “Population, Environment, Development and Agriculture model and its data requirements and management”, UN Economic Commission for Africa, 8–19 June, Addis-Ababa, Ethiopia.
- 1995 “A short course on Using Spreadsheet Programs to Carry Out Standard Unistate and Multistate Demographic Analysis and Projections”, April, Institute of Behavioural Science of the University of Colorado at Boulder, USA.
- 1995 One week intensive course on “Basic Demographic Statistics”, April, Munich Centre for Advanced Training in Applied Statistics.
- 1993 3 weeks training program “Theories and Methods in Population Studies”, September–October, Moscow State University, Russia.
- 1989, 1990 IIASA Young Scientists Summer Program, Laxenburg, Austria.
- 1985 Training Course on Mathematical Demography, September, Moscow, USSR.
- 1983 Course on Multistate Demography, September, Primorsko, Bulgaria.
- Also delivered a number of lectures on demographic analysis and the use of computers for students, PhD students and researchers at different universities in Europe and North America.

SUPERVISION OF PhD STUDENTS

IIASA Young Scientists Summer Program (YSSP)

2019	P. Vicerra, PhD student from Chulalongkorn University, Thailand
2018	S. Spitzer, PhD student from Vienna University of Economics and Business (WU), Austria
2016	S. Yesuvadian, PhD student from International Institute for Population Sciences, India
2013	A. Carioli, PhD student from Groningen University, Department of Spatial Sciences
2010	S. Timonin, PhD student from Moscow State University, Faculty of Geography
2008	P. Shevchuk, PhD student from Institute of Demography and Social Studies of NAS of Ukraine
1984–1987	Supervision of Ph.D. students in All-Union Research Institute for Systems Studies of the USSR Academy of Sciences.

SOFTWARE AND COMPUTER MODELS DEVELOPMENT

Developed numerous computer programs and systems for population projections, demographic data presentation, and programs for parameter's estimation of parameters for non-linear models. Among them:

LitProj	Computer model for population projections by literacy status. Developed for UNESCO
PEDA	Computer model for Population, Environment, Development and Agriculture in African Countries for Economic Commission for Africa
DIALOG	System for Multistate Population Projections
PopEdQ	Population projection by educational status