

## Sergei Scherbov

### CONTACT INFORMATION

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

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2013– *Deputy Program Director*, World Population Program, IIASA, Laxenburg, Austria  
 2013– *Project Leader* “Reassessing Ageing from a Population Perspective”, World Population Program, IIASA, Laxenburg, Austria  
 2011– *Director of Demographic Analysis*, Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID, WU), Vienna, Austria  
 2015– *Head of International Laboratory on Demography and Human Capital*, Russian Presidential Academy of National Economy and Public Administration (RANEPA)  
 2002– *Head of Research Group* “Population Dynamics and Forecasting”, Vienna Institute of Demography (VID) of the Austrian Academy of Sciences, Vienna, Austria  
 2010– *Affiliated Professor* at the College of Population Studies, Chulalongkorn University, Bangkok, Thailand

### PREVIOUS POSITIONS AND SERVICE

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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)  
 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

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- 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

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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

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### **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)**

- 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

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### 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*, July, 1–19.
- (A52) Sanderson, W.C., & Scherbov, S. (2015). Faster increases in human life expectancy could lead to slower population aging. *PLoS ONE*, 10(4), e0121922.

### 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

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### 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.

## 1999

(B13) Lutz, W., Sanderson, W.C., & Scherbov, S. (1999). Expert-based probabilistic population projections. In: W. Lutz, J.W. Vaupel, & D.A. Ahlburg (Eds.), *Frontiers of Population Forecasting. A Supplement to Vol. 24, 1998, Population and Development Review* (pp. 139–155). New York: The Population Council.

(B12) Lutz, W., & Scherbov, S. (1999). Probabilistische Bevölkerungsprognosen für Deutschland. In: Enquete-Kommission “Demographischer Wandel” (Ed.), *Herausforderungen unserer alter werdenden Gesellschaft an den einzelnen und die Politik* (pp. 1323–1365). Heidelberg: Deutscher Bundestag, R.v. Decker’s Verlag.

(B11) Lutz, W., & Scherbov, S. (1999). What do we know about the future changes in the proportions of children and elderly in Europe? In: W. Lutz (Ed.), *Compendium of Family Studies in Austria 1999* (Kompendium der Familienforschung in Österreich 1999) (pp.123–139), Schriftenreihe Nr. 7. Vienna, Austria: Austrian Institute for Family Studies.

(B10) Lutz, W., Sanderson, W.C., & Scherbov, S. (1999). Doubling of world population unlikely. In: A.A. Lew & T. Paradis (Eds.), *Perspectives: Geography*. Northern Arizona University.

## 1996

(B9) Lutz, W., Sanderson, W.C., & Scherbov, S. (1999). Probabilistic population projections based on expert opinion. In: W. Lutz (Ed.), *The Future Population of the World: What can We Assume Today?* (pp. 397–428) 2nd Edition. London: Earthscan.

(B8) Lutz, W., Sanderson, W.C., Scherbov, S., & Goujon, G. (1996). World population scenarios for the 21st century. In: W. Lutz (Ed.), *The Future Population of the World: What can e Assume Today?* (pp. 361–396) 2nd Edition. London: Earthscan.

## 1995

(B7) Willekens, F., & Scherbov, S. (1995). Demographic trends in Russia. In: H. van den Brekel & F. Deven (Eds.), *Population and Family in a Low Countries 1994* (pp. 177–230). European Studies of Population, Vol. 2. Dordrecht: Kluwer Academic Publisher.

## 1994

(B6) Lutz, W., Scherbov, S., & Volkov, A. (1994). *Demographic Trends and Patterns in the Soviet Union Before 1991*. New York: Routledge.

(B5) Willekens, F., & Scherbov, S. (1994). Marital and fertility experience of Soviet women. A life table analysis. In: W. Lutz, S. Scherbov, & A. Volkov (Eds.), *Demographic Trends and Patterns in the USSR Before 1991* (pp.185–210). New York: Routledge.

- (B4) Lutz, W., & Scherbov, S. (1994). Survey of Fertility Trends in the Republics of the Soviet Union 1959–1990. In W. Lutz, S. Scherbov, & A. Volkov (Eds.), *Demographic Trends and Patterns in the USSR Before 1991* (pp. 19–40). New York: Routledge.

## 1992

- (B3) Rusnak, M., Scherbov, S., & Cider, B. (1992). Mortality and morbidity projections: Lung cancer. In: W. Morgenstern, E.N. Chigan, R. Prokhorskas, M. Rusnak, & F.G. Schettler (Eds.), *Models of Noncommunicable Diseases: Health Status and Health Service Requirements* (pp. 91–100). Berlin: Springer-Verlag.
- (B2) Lutz, W., Scherbov, S., & Pirozhkov, S. (1992). Reconstructing Ukrainian fertility during the years of cataclysms in the 1930s and 1940s. In: G. Buttler, G. Heilig & G. Schmitt-Rink (Eds.), *Acta Demographica* (pp. 103–116). Heidelberg, Germany: Physica-Verlag.

## 1991

- (B1) Scherbov, S., & Lutz, W. (1991). Regional population patterns in the Soviet Union: Scenarios to the year 2050. In: W. Lutz (Ed.), *Future Demographic Trends in Europe and North America. What Can We Assume Today?* (pp. 421–449). London: Academic Press.

## OTHER PUBLICATIONS

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### 2017

- (C106) Scherbov, S., Andruchowicz, S., Dalkhat, E., Nikitina, S., Shulgin, S. (2017). *Russian Demographic Data Sheet*. Moscow, Russia and Laxenburg, Austria: Russian Presidential Academy of National Economy and Public Administration, Russian Federal State Statistics Service, and IIASA.

### 2016

- (C105) Ediev, D., Sanderson, W.C., Scherbov, S. (2016). *The formal demography of prospective age: The relationship between the old-age dependency ratio and the prospective old-age dependency ratio* (IIASA Working Paper WP-16-024). Laxenburg, Austria: IIASA.
- (C104) Mamolo, M., Potančoková, M., Scherbov, S., Sobotka, T., & Zeman K. (2016). *European Demographic Data Sheet 2016: Migration Makes the Difference*. Vienna, Austria: Wittgenstein Centre for Demography and Global Human Capital, Vienna Institute of Demography, IIASA.
- (C103) Sanderson, W.C., Scherbov, S., Andruchowicz, S. (2016). *Analyzing Population Aging from a New Perspective* (IIASA Policy Brief 12). Laxenburg, Austria: IIASA.
- (C102) 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* (Working Paper WP 16-008). Laxenburg, Austria: IIASA.
- (C101) Sanderson, W.C., & Scherbov, S. (2016). *New approaches to the conceptualization and measurement of age and aging* (Working Paper WP 16-005). Laxenburg, Austria: IIASA.

### 2015

- (C100) Scherbov, S. & Sanderson, W.C. (2015). Better old-age measure needed in East Asia. *Options*, Winter 2015: 25.
- (C99) Scherbov, S. & Sanderson, W.C. (2015). Forever young. *Options*, Summer 2015: 12–13.



## 2014

- (C98) Lutz, W., Scherbov, S., KC, S. & Goujon, A. (2014). Quality not quantity. *Options*, Winter 2014: 14–17.
- (C97) Sanderson, W.C., & Scherbov S. (2014). *An Easily Understood and Intergenerationally Equitable Normal Pension Age*. (Interim Report IR-14-020), Laxenburg, Austria: IIASA.
- (C96) Bordone, V., Scherbov S., & Steiber N. (2014). *Is Population Ageing Decelerating in Terms of Cognition?* (Interim Report IR-14-015), Laxenburg, Austria: IIASA.
- (C95) Scherbov, S., Ediev D.M. (2014). *Does Selection of Mortality Model Make a Difference in Projecting Population Ageing?* (Interim Report IR-14-012), Laxenburg, Austria: IIASA.
- (C94) Scherbov, S. (2014). Tradeoffs between retirement age and labor force participation. *Options*, Summer 2014: 26.
- (C93) Scherbov, S. & Sanderson, W.C. (2014). Hand grip reveals the speed of aging. *Options*, Summer 2014: 6.
- (C92) Mamolo, M., Potančoková, M., Scherbov, S., Sobotka, T., & Zeman K. (2014). *European Demographic Data Sheet 2014: Migration Makes the Difference*. Vienna, Austria: Wittgenstein Centre for Demography and Global Human Capital, Vienna Institute of Demography, IIASA.

## 2013

- (C91) Sanderson W.C., & Scherbov, S. (2013). *The Characteristics Approach to the Measurement of Population Aging*. (Interim Report IR-13-007), Laxenburg, Austria: IIASA.

## 2012

- (C90) Scherbov S., Sanderson, W.C., & Mamolo, M. (2012). *Quantifying Policy Tradeoffs to Support Aging Populations*. (Interim Report IR-12-015), Laxenburg, Austria: IIASA.
- (C89) Ediev, D., Mamolo, M., Potančoková, M., Scherbov, S., Sobotka, T., & Zeman, K. (2012). *European Demographic Data Sheet 2012: Re-evaluating population ageing in European countries*. Vienna, Austria: Wittgenstein Centre for Demography and Global Human Capital, Vienna Institute of Demography, IIASA.

## 2011

- (C88) Lutz, W., Butz, W.P., & Scherbov, S. (2011). Demographic challenges for sustainable development. *Options*, Winter 2011/2012: 9–11.
- (C87) Scherbov, S., Lutz, W., & Sanderson, W.C. (2011). *The Uncertain Timing of Reaching 7 Billion and Peak Population*. (Interim Report IR-11-002), Laxenburg, Austria: IIASA.

## 2010

- (C86) Lutz, W., & Scherbov, S. (2010). China's demographic challenge. *Options*, Summer 2010: 24.
- (C85) Lutz, W., Mamolo, M., Scherbov, S., Sobotka, T., & Zeman, K. (2010) *European Demographic Data Sheet 2010: EU reaches 500 million*. Vienna, Austria: Vienna Institute of Demography, IIASA.

## 2009

- (C84) Sanderson, W.C., & Scherbov, S. (2009). *Future Trends in the Prevalence of Severe Activity Limitations in Developed Countries*. (Interim Report IR-09-047), Laxenburg, Austria: IIASA.
- (C83) Mamolo, M., & Scherbov, S. (2009). *Population Projections for Forty-Four European Countries: The Ongoing Population Ageing*. (European Demographic Research Papers 2/2009), Vienna, Austria: Vienna Institute of Demography.

## 2008

- (C82) Sanderson, W.C., & Scherbov, S. (2008). Rethinking age and aging. *Population Bulletin*, 63(4), Population Reference Bureau.
- (C81) Lutz, W., & Scherbov, S. (2008). O Contributo Da Imigração Para O Futuro Demográfico Da Europa. In D. G. Papademetriou (Ed.) *A Europa E Os Seus Imigrantes No Século XXI*, (pp. 243–259). Lisbon, Portugal: Fundação Luso-Americana para o Desenvolvimento.

- (C80) Ediev, D., Mamolo, M., Potančoková, M., Scherbov, S., Sobotka, T., & Zeman, K. (2008). *European Demographic Data Sheet 2008: The forces driving unprecedented population ageing*. Vienna, Austria: Vienna Institute of Demography, IIASA, Population Reference Bureau.
- (C79) Lutz, W., & Scherbov, S. (2008). *Exploratory extension of IIASA's world population projections: scenarios to 2300*. (Interim Report IR-08-022), Laxenburg, Austria: IIASA.
- (C78) Scherbov, S., Mamolo, M., & Lutz, W. (2008). *Probabilistic population projections for the 27 EU member states based on Eurostat assumptions*. (European Demographic Research Papers 2/2008). Vienna, Austria: Vienna Institute of Demography.
- (C77) Sanderson, W.C., & Scherbov, S. (2008). *Conventional and Prospective measures of population aging, 1995, 2005, 2025, and 2045*. Population Reference Bureau.
- (C76) Lutz, W., Sanderson, W.C., Scherbov, S., & KC, S. (2008). *Demographic and Human-Capital Trends in Eastern Europe and Saharan Africa*. Washington D.C.: Migration Policy Institute.
- (C75) Lutz, W., Sanderson, W.C., Scherbov, S., & KC, S. (2008). *Demographic and Human-Capital Trends in Eastern Europe and Sub-Saharan Africa*. Washington, D.C.: Migration Policy Institute.
- (C74) Lutz, W., Sanderson, W.C., & Scherbov, S. (2008). *Global and Regional Population Ageing: How Certain Are We of its Dimensions?* (Interim Report IR-08-015), Laxenburg, Austria: IIASA.
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## 2007

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- (C71) Lutz, W., KC, S., Khan, H.T.A., Scherbov, S., & Leeson, G.W. (2007). *Future Ageing in Southeast Asia: Demographic Trends, Human Capital and Health Status*. (Interim Report IR-07-026), Laxenburg, Austria: IIASA.
- (C70) Lutz, W., & Scherbov, S. (2007). *The Contribution of Migration to Europe's Demographic Future: Projections for the EU-25 to 2050*. (Interim Report IR-07-024), Laxenburg, Austria: IIASA.
- (C69) Ediev, D., Coleman, D., & Scherbov, S. (2007). *Migration as a factor of population reproduction*. (European Demographic Research Papers 1/2007), Vienna, Austria: Vienna Institute of Demography.
- (C68) Lutz, W., Sanderson, W.C., & Scherbov, S. (2007). The growing divergence in population trends and concerns. *POPNET*, 39(Winter), 1–3.

## 2006

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## 2005

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## 2004

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## 2003

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## 2002

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## 1999

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(C46) Scherbov, S., & van Vianen, H. (1999). *Fertility Change in Russia Since 1930: Data and Estimates*. (Working Paper 99-2), FRW, Groningen, The Netherlands: University of Groningen.

(C45) Scherbov, S., & van Vianen, H. (1999). *The Fertility Transition in Russia: Women Born Between 1900 and 1960*. (Working Paper 99-1), FRW, Groningen, The Netherlands: University of Groningen.

## 1998

- (C44) Scherbov, S. (1998). *Population Projections: New Opportunities for Software Development*. (Interim Report IR-98-043), Laxenburg, Austria: IIASA.
- (C43) Scherbov, S., & van Vianen, H. (1998). Marital and Fertility careers of Russian women born between 1910 and 1935. (Working Paper 98-1), FRW, Groningen, The Netherlands: University of Groningen.

## 1997

- (C42) Lutz, W., & Scherbov, S. (1997). *Sensitivity Analysis of Expert-Based Probabilistic Population Projections in the Case of Austria*. (Interim Report IR-97-048), Laxenburg, Austria: IIASA.
- (C41) Lutz, W., Scherbov, S., & Hanika, A. (1997). Probabilistic population projections for Austria. *POPNET 30*: 4-5. Laxenburg, Austria: IIASA.
- (C40) Andreev, E., Scherbov, S., & Willekens, F. (1997). *The Population of Russia: Fewer and Older. Demographic Scenarios for Russia and Its Regions*. (Demographic Report 22), Groningen, The Netherlands: Faculty of Spatial Sciences, University of Groningen.
- (C39) Scherbov, S. (1997). Met hoevelen zijn we over 50 jaar? *Natuur&Techniek*, 11, November 1997.

## 1996

- (C38) Andreev, E., & Scherbov, S. (1996). Demographic atlas of Russia. 140 pp. Manuscript.
- (C37) Lutz, W., Sanderson, W.C., & Scherbov, S. (1996). Probabilistic World Projections Based on Expert Opinion. (Working Paper WP-96-017), Laxenburg, Austria: IIASA.

## 1995

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## 1993

- (C35) Darsky, L., & Scherbov, S. (1993). *Marital Status Behavior of Women in the Former USSR: Regional Aspects*. (Working Paper WP-93-043), Laxenburg, Austria: IIASA.
- (C34) Andreev, E., Scherbov, S., & Willekens, F. (1993). Mortality in the Former Soviet Union. Past and Future. (Working Paper WP-93-013), Laxenburg, Austria: IIASA.

## 1992

- (C33) Rusnak M., Raisova, A., & Scherbov, S. (1992). Trends of mortality for chronic diseases: Comparison of data for Austria, Czechoslovakia and Hungary. In: M. K. Chytil, G. Duru, W.v. Eimeren, & Ch. D. Flagle, (Eds.), *Fifth International Conference on System Science in Health Care* (pp. 1127-1130). Prague: Omnipress Publishing.
- (C32) Willekens, F., & Scherbov, S. (1991). *Age-Period-Cohort (APC) Analysis of Mortality with Applications to Soviet Data*. (Working Paper WP-91-042), Laxenburg, Austria: IIASA.

## 1991

- (C31) Scherbov, S., & Pirozkov, S. (1991). *Demographic perspectives of labour potential formation in the USSR*. (in Russian), Kiev: Ukrainian Academy of Sciences.

## 1990

- (C30) Willekens, F., & Scherbov, S. (1990). *Marital and Fertility Careers of Soviet women. A life table Analysis*. (Working Paper WP-90-078), Laxenburg, Austria: IIASA.
- (C29) Darsky, L., & Scherbov, S. (1990). *Parity Progression Fertility Tables for the Nationalities of the USSR*. (Working Paper WP-90-053), Laxenburg, Austria: IIASA.
- (C28) Lutz, W., Pirozkov, S., & Scherbov, S. (1990). *Modelling Ukrainian Fertility Since 1925*. (Working Paper WP-90-025), Laxenburg, Austria: IIASA.
- (C27) Scherbov, S., Keyfitz, N., Lutz, W., Prinz, C., & Wils, A. (1990). *Demographic Aspects of Changes in the Soviet Pension System*. (Working Paper WP-90-003), Laxenburg, Austria: IIASA.

## 1989

- (C26) Keyfitz, N., Heilig, G. K., Lutz, W., & Scherbov, S. (1989). *Population Beyond the Boundaries of Demography*. (Working Paper WP-89-106), Laxenburg, Austria: IIASA.
- (C25) Andreev, E., Lutz, W., & Scherbov, S. (1989). *Averaging Life Expectancy*. (Working Paper WP-89-035), Laxenburg, Austria: IIASA.
- (C24) Lutz, W., & Scherbov, S. (1989). *Multi State Analysis of Family Dynamics in Austria: Scenarios to the Year 2030*. (Working Paper WP-89-005), Laxenburg, Austria: IIASA.

## 1988

- (C23) Scherbov, S., & Lutz, W. (1988). *Future Regional Population Patterns in the Soviet Union: Scenarios to the Year 2050*. (Working Paper WP-88-104), Laxenburg, Austria: IIASA.
- (C22) Wolf, D., Wils, B., Lutz, W., & Scherbov, S. (1988). *Population Futures for Europe: An Analysis of Alternative Scenarios* (Working Paper WP-88-046). Laxenburg, Austria: IIASA.
- (C21) Scherbov, S., & Grechucha, V. (1988). "DIAL" A System for Modeling Multidimensional Demographic Processes. (Working Paper WP-88-036), Laxenburg, Austria: IIASA.
- (C20) Lutz, W., & Scherbov, S. (1988). Regional Fertility Trends in the Soviet Union. *POPNET*, 13(February), Laxenburg, Austria: IIASA.
- (C19) Scherbov, S. (1988). *Understanding Medical and Demographic Trends with MEDDAS*. (Working Paper WP-88-023), Laxenburg, Austria: IIASA.

## 1986

- (C18) Scherbov, S., & Golubkov, V. (1986). *Derivative free Gauss Newton like Algorithm for Parameter Estimation*. (Working Paper WP-86-063), Laxenburg, Austria: IIASA.
- (C17) Scherbov, S., Yashin, A., & Grechucha, V. (1986). *Dialog System for Modeling Multidimensional Demographic Processes*. (Working Paper WP-86-029), Laxenburg, Austria: IIASA.
- (C16) Scherbov, S., Gelovani, V., & Grechucha, V. (1986). *Dialogue System for Modeling Multidimensional Demographic Processes*. Proceedings of 9th All-Union Symposium on Methodological Problems of Science Basis (in Russian), Kiev: Naukova Dumka.
- (C15) Scherbov, S., & Pogoretsky, V. (1986). Income Differentiation for Populations of Non-socialist Countries and Level of Economic Development. Regional Trends. In *Global Problems - State and Estimates* (in Russian), Moscow: All-Union Research Institute for Systems Studies.
- (C14) Scherbov, S., & Grechucha, V. (1986). Dialogue System for Simulation of Multistate Demographic Processes. In *Global Development: Models and Numerical Experiments* (in Russian), Moscow: All-Union Research Institute for Systems Studies.
- (C13) Scherbov, S., Grechucha, V., & Visotskaya, N. (1986). *Simulation of the Demographic Growth of the Region (an Application to the USA)*, Preprint (in Russian), Moscow: All-Union Research Institute for Systems Studies.

## 1985

- (C12) Scherbov, S., Gelovani, V., & Golubkov, V. (1985). *Modeling of Global Processes. System for Interactive Modeling*, Preprint., (in Russian), Moscow: All-Union Research Institute for Systems Studies.
- (C11) Scherbov, S., Grechucha, V., & Visotskaya, N. (1985). Main Trends of World Demographic Development. In *Systems Analysis of Global Development Processes*, Vol. 3 (in Russian), Moscow: All-Union Research Institute for Systems Studies.

## 1984

- (C10) Scherbov, S., Golubkov, V., & Pogoretsky, V. (1984). Universal Problem of Global System - Differentiation of Income within the Population. Model Building Experience. In *Global Modelling: Social Processes* (in Russian), Moscow: All-Union Research Institute for Systems Studies.
- (C9) Scherbov, S., Grechucha, V. (1984) *Modelling of Multiregional Demographic Development*. Proceedings of the Third All-Union School Seminar on Systems Analysis of Social-Economical Problems of Regional Development, Novosibirsk, (in Russian).

### 1983

- (C8) Scherbov, S., & Usbek, H. (1983). Simulation der langfristigen Bevölkerungsentwicklung nach Regionen der DDR, AdW d. DDR, No.9, Leipzig: Wiss. Mitt. Inst. f. Geogr.u.Geoökol.
- (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

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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

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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).
2013–2018	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

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- 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

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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).

### 2011-2017 (selected)

- *Gaidar Forum 2017: Russia and the World – Setting Priorities: Russian Demographic Data Sheet* 2016, 12-14 January 2017, Moscow, Russia
- *50<sup>th</sup> 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 com•sult 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)

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### 2016

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

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

28<sup>th</sup> 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: “Are We Overly Dependent on Conventional Dependency Ratios?”, 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

27<sup>th</sup> 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

29<sup>th</sup> 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 PEDA 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 Eldery 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)

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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)

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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**

- 2016 High-level international research workshop on “Demographic Analysis with Application to Aging Society”, 7–18 November.
- 2015 High-level international research workshop on “Demographic Analysis with Application to Aging Society”, 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

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### **IIASA Young Scientists Summer Program (YSSP)**

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

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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:

<b>LitProj</b>	Computer model for population projections by literacy status. Developed for UNESCO
<b>PEDA</b>	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