

Nikola Sander

CURRICULUM VITAE

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Population geographer/spatial demographer focusing on internal & international migration, urbanisation, population projections and data visualisation

Education

- Apr 2006 - Feb 2011 **PhD in Geography**, *University of Queensland, Australia*,
Title: "Retirement Migration of the Baby Boomers in Australia: Beach, Bush or Busted?", Advisor: Professor Martin Bell.
- Oct 2007 - Mar 2008 **International Max Planck Research School for Demography**, *Max Planck Institute for Demographic Research, Germany*.
- Jun 2007 - Aug 2007 **Young Scientists Summer Program**, *World Population Program, International Institute for Applied Systems Analysis, Austria*.
- Oct 1999 - Jul 2005 **Diplom in Geography (Master's equivalent)**, *Eberhard-Karls University Tübingen, Germany*.
- Apr 2004 - Nov 2004 **Research stay**, *Griffith University, Gold Coast, Australia*.
- Feb 2003 - July 2003 **Study abroad**, *Flinders University, Adelaide, Australia*.
- 1998 **Abitur (baccalaureate)**, *Konrad-Heresbach Gymnasium Mettmann, Germany*.

Current Positions

- since Nov 2010 **Research Scholar**, *Vienna Institute of Demography, Austrian Academy of Sciences, Austria*.
- since Jan 2011 **Research Team Leader 'Migration & Education'**, *Wittgenstein Centre for Demography and Global Human Capital, Austria*.

Previous Positions

- Aug 2010 - Oct 2010 **Associate Research Scholar**, *World Population Program, International Institute for Applied Systems Analysis, Austria*.
- May 2006 – Mar 2007 **Research Assistant**, *School of Geography, Planning and Environmental Management, The University of Queensland, Australia*, working for the Queensland Centre for Population Research.
- Jun 2004 – Feb 2005 **Research Assistant**, *School of Environmental and Applied Sciences, Griffith University, Australia*, conducting case studies on amenity migration in inland Australia.

Teaching Experience

- Apr 2011 - May 2011 **Guest lecturer**, *Department of Tourism and Hospitality Management, MODUL University Vienna*, Course: Latest Trends and Innovations in Tourism.

Aug 2006 – Nov 2008 **Guest lecturer**, *School of Geography, Planning and Environmental Management, The University of Queensland, Australia*, Course: Applied Demography.

Selected Scholarships and Awards

- 2006 - 2011 **UQ International Scholarship (UQI)**, *University of Queensland, Australia*.
2006 **International Postgraduate Research Scholarship (IPRS)**, *University of New South Wales, Australia (declined)*.
2003 **Baden-Württemberg Exchange Program Award**, *Flinders University, Australia*.

Funding Support

- 2010 - 2014 **European Research Council Advanced Investigator Grant**,
PI: Prof. Wolfgang Lutz,
Title: "Forecasting Societies' Adaptive Capacities to Climate Change".
2010 - 2014 **Economic and Social Research Council (ESRC)**,
PI: Prof. Allan Findlay,
Title: CPC-II - Mobility Strand - WP 3.2 "Dynamics and policy implications of changes in student mobility".
2007 - 2010 **European Commission**,
WP leader: Prof. Vegard Skirbeck,
Title: "Peri-urban Land Use Relationships: Strategies & Sustainability Assessment Tools for Urban-Rural Linkages" (PLUREL).
2006 - 2010 **Australian Research Council Discovery Grant**,
PI: Prof. Martin Bell,
Title: "Understanding the Structure of Internal Migration in Australia".

Selected International Collaborators

Prof Phil Rees, University of Leeds, UK, *on modelling migration in population projections*.

Prof John Stillwell, University of Leeds, UK, *on modelling and visualising inter-regional migration*.

Prof Martin Bell, University of Queensland, Australia, *on the ARC Project "Internal Migration Around the Globe (IMAGE)"*.

Thomas Esch & Hannes Taubenböck, German Space Agency, Germany, *on quantifying global urban growth from space*.

Prof Allan Findlay, University of St Andrews, UK, *on an ESRC Project on international student migration*.

Dr Adam Dennett (CASA, UCL, UK) & Dr Nik Lomax (University of Leeds, UK), *on visualising flow data*.

Professional Services

- since 2015 **Population, Space & Place (Wiley)**, *Member of the International Advisory Board*.

- since 2014 **Austrian Integration Fund**, *Member of the Jury for the Dissertation Price.*
- since 2013 **International Geographical Union, Commission on Population Geography**,
Member of the Steering Committee and Secretary.
- 2002 **University of Tübingen**, *Member of the Professorship Search Committee.*

Refereeing

- Journals International Migration Review,
Population, Space & Place,
European Journal of Population,
Demographic Research,
Journal of Population Research,
PLOS One,
Population and Environment,
Comparative Population Studies,
Urban Geography.
- Granting Bodies Polish National Science Centre.

Membership of Scientific Societies

- International Union for the Scientific Study of Population.
International Geographical Union.
Population Association of America.
European Association for Population Studies.
Asian Population Association.

Articles in Refereed Journals

- Regional Studies, E. Charles-Edwards, T. Wilson & **N. Sander**, *Visualising Australian internal and*
Regional Science *international migration flows*, vol. 2 (1): 431-433, **PDF**, **LINK**.
- Population, Space & **N. Sander** & M. Bell, *Age, Period and Cohort Effects on Migration of the Baby*
Place *Boomers in Australia*, pre-published online 21 May 2015, **PDF**, **LINK**.
- Science G. Abel[‡] & **N. Sander**[‡], *Quantifying Global International Migration Flows*, vol.
343 (6178): 1520-1522, 2014, **PDF**, **LINK**.
[‡] co-first author
- Comparative Population **N. Sander**, *Internal migration in Germany, 1995-2010: new insights into East-*
Studies *West migration and re-urbanization*, vol. 39(2): 217-246, 2014, **PDF**, **LINK**.
- Journal of Population **N. Sander** & M. Bell, *Migration and Retirement in the Life Course: An event*
Research *history approach*, vol. 31(1): 1-27, 2014, **PDF**, **LINK**.
- revise & resubmit **N. Sander**, G. Abel, R. Bauer & J. Schmidt, *Mapping The Global Flow of Peo-*
ple: A Practical Guide to Visualising Migration with Circular Plots, Demographic
Research.
- revise & resubmit **N. Sander**, *Die Zuwanderung aus Südeuropa nach Deutschland im globalen*
Kontext, Berichte zur deutschen Landeskunde.

Book Chapters

- Springer J. Stillwell, N. Lomax & **N. Sander**, *Monitoring and Visualising Sub-national Migration Trends in the United Kingdom*, In: *Planning Support Systems and Smart Cities*, pp. 427-445, 2015, eds. S. Geertman, J. Ferreira, R. Goodspeed & J. Stillwell, [LINK](#).
- Oxford University Press **N. Sander**, G. Abel & F. Riosmena, *The Future of International Migration*, In: *World Population and Human Capital in the 21st Century*, pp. 333-397, 2014, eds. W. Lutz, W. Butz & S. K.C., [LINK](#).
- CAB International R. Buckley, **N. Sander**, C. Ollenburger & J. Warnken, *Green Change: Inland Amenity Migration in Australia*, In: *The Amenity Migrants: Seeking And Sustaining Mountains And Their Cultures*, pp. 278-294, 2006, ed. L. Moss, [LINK](#).

Book Reviews

- European Journal of Population **N. Sander**, Font and Mendez (eds.): *Surveying Ethnic Minorities and Immigrant Population*, vol. 31(1): 107-108, [LINK](#).

Other Publications

- New World **N. Sander** & R. Bauer, *Visualizing The Global Migration System*, vol. 2, 2015, United Nations Association of Great Britain and Northern Ireland (UNA-UK), [LINK](#).
- Demografische Forschung Aus Erster Hand **N. Sander**, *Die Welt auf Wanderschaft*, in press, 2015, Max-Planck-Institut für demografische Forschung, [PDF](#), [LINK](#)
- Journal of International Affairs **N. Sander**, G. Abel & R. Bauer, *Visualizing Global Migration*, vol. 68(2): 272-273, 2015, Columbia University, [LINK](#).
- Geography Review **N. Sander**, *The Geography of Contemporary World Migration*, vol. 28(2): 20-21, 2014, Hodder Education, [LINK](#).
- Bevölkerungsforschung Aktuell **N. Sander**, *Deutschland in Bewegung? – Neue Daten und Erkenntnisse zur globalen Migration und zur deutschen Binnenwanderung*, vol. 35(3): 8-12, 2014, [PDF](#).
- Scientific American M. Fischetti, Graphic by **N. Sander**, *The Not So Wretched Masses*, vol. 310: 86, 2014), [LINK](#).
- VID Working paper **N. Sander**, G. Abel, R. Bauer & J. Schmidt, *Visualising Migration Flow Data with Circular Plots*, 2/2014, [PDF](#).
- VID Working paper **N. Sander**, G. Abel & F. Riosmena, *The Future of International Migration: Developing Expert-Based Assumptions for Global Population Projections*, 2013, [PDF](#).
- Ph.D. Thesis **N. Sander**, *Retirement Migration of the Baby Boomers in Australia: Beach, Bush or Busted?*, 2011, [FIGSHARE](#).
- PLUREL Report **N. Sander**, V. Skirbekk, S. K.C. & E. Lundevaller, *Prospects for later-life migration in urban Europe*, Peri-Urban Land Use Relationships – Strategies and Sustainability Assessment Tools for Urban-Rural Linkages.

Dissemination activities

- Mar 2014 **The Global Flow of People**, *An interactive data visualisation of global migration flows, 1990-2010*, visits since March 2014: 650,000, WWW.GLOBAL-MIGRATION.INFO.

June 2014 **Internal Migration in Germany**, *An interactive data visualisation of inter-regional migration flows in Germany, 1995-2010*, visits since June 2014: 29,000, WWW.GERMAN-MIGRATION.INFO.

Mar 2014 **Global Migration Data Sheet 2005-10**, *A two-sided poster for science dissemination and education. Total circulation: 5,000 copies*, [PDF](#).

Media coverage

- New Scientist **J. White**, *Rising tide of migration is a myth, say global stats*, [LINK](#).
Scientific American **G. Giller**, *Global Migrant Flows: An Interactive Map*, [LINK](#).
Quartz/The Atlantic **N. Stockton**, *Where everyone in the world is migrating — in one gorgeous chart*, [LINK](#).
The Washington Post **A. Swanson**, *How statisticians uncovered the world's missing migrants*, [LINK](#).
FastCoExist **J. Leber**, *Visualizing Which Countries People Are Trying To Get Away From, And Where They're Going*, [LINK](#).
Slate **J. Keating**, *World on the Move*, [LINK](#).
National Public Radio **K. Manke**, *How Cultures Move Across Continents*, [LINK](#).
Telegraph **E. Roberts**, *Innovative graphic shows human flow across world's borders*, [LINK](#).
Wired **G. De Martino**, *Addio Italia: la mecca della cultura contemporanea è la California*, [LINK](#).
Rue89 **C. Beal**, *Voici la visualisation qui cassera vos idées reçues sur l'immigration*, [LINK](#).
Der Spiegel **N.N.**, *Die Welt ist konstant in Bewegung*, [LINK](#).
FAZ **Lisa Nienhaus**, *Land, Stadt, Glück*, [LINK](#).
Die Welt **D. Siems**, *Junge Menschen ziehen massenhaft in die Metropolen*, [LINK](#).
ORF **N.N.**, *Globale Migration seit 1990 stabil*, [LINK](#).
Der Standard **N.N.**, *Neue Studie: Globale Migration seit 1990 nahezu unverändert*, [LINK](#).

Invited talks

- International Conference on Population Geographies **N. Sander**, *Opening Plenary: Migration in the Modern World*, Brisbane, Australia, June 2015, [LINK](#).
World Demographic and Ageing Forum **N. Sander**, *Quantifizierung und Visualisierung Globaler Migrationsströme*, St. Gallen, Switzerland, May 2015, [LINK](#).
KAPSARC Workshop **N. Sander**, *Participant and presenter in the Workshop on Demography and Energy, organised by the King Abdullah Petroleum Studies and Research Centre (KAPSARC)*, Washington D.C., USA, October 2014.
Helmholtz Association **N. Sander**, *Wie viele Menschen trägt die Erde?*, Magdeburg, Germany, September 2014, [SLIDES](#).
UNAOC Global Forum **N. Sander**, *Perception of Migration: How to Change the Narratives about Migrants*, Bali, Indonesia, August 2014, [LINK](#).
KNOMAD UNPD/ World Bank Seminar G. Abel & **N. Sander**, *Seminar on the role of Migration in Population Modeling*, New York, USA, April 2014, [LINK](#).
Hungarian National Statistical Office **N. Sander** & G. Abel, *Quantifying and visualising global international migration flows in 1990-2010*, Budapest, Hungary, January 2014.

AlpWeek **N. Sander**, *The socio-demographic characteristics of the New Highlanders and the impact of their migration behaviour on population structures in destination regions*, Poschiavo, Switzerland, September 2013.

National Center for Atmospheric Research **N. Sander**, *Participant in the Workshop on Migration, Urbanization and Climate Change*, Boulder, USA, May 2013.

European Commission **N. Sander**, *Participant in the Workshop on Scientific Analysis of Migration and Global Environmental Change*, Brussels, Belgium, December 2011.

Conference Presentations

APA Biannual Meeting **N. Sander**, R. Bauer & T. Frank, *Adding Design to the Research Process: Visualising Complex Migration Flow Data*, Kuala Lumpur, Malaysia, July 2015, **SLIDES**.

International Conference on Population Geographies **N. Sander** & R. Bauer, *Internal migration in Austria along the rural-urban continuum and across the life course, 1996–2014*, Brisbane, Australia, July 2015, **SLIDES**.

International Conference on Population Geographies **N. Sander** & R. Bauer, *How Data Visualisation Enhances the Impact and Visibility of Science*, Brisbane, Australia, July 2015, **SLIDES**.

PAA Annual Meeting **N. Sander** & R. Bauer, *How Data Visualisation Enhances the Impact and Visibility of Science*, San Diego, USA, April 2015, **SLIDES**.

DGD Jahrestagung **N. Sander**, *Quantifizierung, Visualisierung und Kommunikation von globalen Wanderungsströmen*, Berlin, Germany, March 2015, **SLIDES**.

Australian Population Association Elin Charles-Edwards, Tom Wilson & **N. Sander**, *Visualising Australian internal and international migration flows*, Hobart, Australia, December 2014, **POSTER**.

Australian Population Association Martin Bell, Elin Charles-Edwards, Philipp Ueffing, Aude Bernard, Francisco Rowe, Tom Wilson, Jim Cooper & **N. Sander**, *Inter-regional migration in Australia: Thirty years of change*, Hobart, Australia, December 2014.

International Geographical Union **N. Sander** & G. Abel, *Quantifying and visualising migration flows around the globe*, Cracow, Poland, August 2014, **SLIDES**.

The Graphical Web **N. Sander** & R. Bauer, *Data visualisation at the nexus of science and the public*, Winchester, UK, August 2014, **SLIDES**, **VIDEO**.

Migration & Development Conference **N. Sander**, G. Abel, R. Bauer & J. Schmidt, *Visualizing Migration Flow Data*, Oxford, UK, July 2014, **SLIDES**.

European Population Conference **N. Sander**, P. Rees & G. Abel, *The patterns and trends in global international migration flows since 1990: a revisit with new data and methods*, Budapest, Hungary, June 2014, **SLIDES**.

European Population Conference **N. Sander**, R. Bauer & G. Abel, *Visualizing global international migration flows*, Budapest, Hungary, June 2014, **POSTER**.

European Population Conference G. Abel, S. KC & **N. Sander**, *Examining the role of international migration in global population projections [poster]*, Budapest, Hungary, June 2014.

PAA Annual Meeting G. Abel, S. KC & **N. Sander**, *Examining the Role of International Migration in Global Population Projections*, Boston, USA, May 2014.

Eurostat/UNECE Work Session on Demographic Projections **N. Sander**, G. Abel & Samir K.C., *The impact of alternative assumptions about migration differentials by education on projections of human capital*, Rome, Italy, October 2013.

- Deutscher Geographentag **N. Sander**, *Internationale Migration von und nach Deutschland: Die neue "Einwanderungswelle" aus Südeuropa in Globaler Perspektive*, Passau, Germany, October 2013, **SLIDES**.
- D-A-CH Tagung **N. Sander** & Ramon Bauer, *Binnenwanderungsmuster in Deutschland seit 1995: Allgemeine Trends und Geschlechterdifferenzen*, Salzburg, Austria, September 2013, **SLIDES**.
- IUSSP Population Conference **N. Sander**, *Internal Migration in Germany between reunification and financial crisis: Changes in spatial patterns and sex ratios*, Busan, Korea, August 2013.
- IUSSP Population Conference **N. Sander**, G. Abel & Samir K.C., *Innovations in International Migration for use in Global Population Projections*, Busan, Korea, August 2013, **SLIDES**.
- Population Geography Conference **N. Sander**, *Transitions in Gender Ratios among Internal Migrants in Germany, 2000-2010*, Groningen, The Netherlands, June 2013.
- Population Geography Conference **N. Sander**, G. Abel & Samir K.C., *Innovations in International Migration for use in Global Population Projections*, Groningen, The Netherlands, June 2013.
- PAA Annual Meeting **N. Sander**, *"Go West, Young Man"!? Internal Migration in Germany between Reunification and Economic Crisis [poster]*, New Orleans, USA, April 2013.
- PAA Annual Meeting **N. Sander**, G. Abel & Samir K.C., *Innovations in International Migration for Use in Global Population Projections*, New Orleans, USA, April 2013.
- International Geographical Union **N. Sander**, *Go West, Young Man!? The spatial structure of inter-regional migration in Germany*, Cologne, Germany, August 2012.
- International Geographical Union **N. Sander** & M. Bell, *Retirement Migration of the Baby Boomers in Australia: Beach, Bush or Busted?*, Cologne, Germany, August 2012.
- European Population Conference **N. Sander**, *Dynamics in the spatial structure of international migration flows between 195 countries, 1960-2010 [poster]*, Stockholm, Sweden, June 2012.
- PAA Annual Meeting **N. Sander** & J. Vobecka, *A Cross-National Comparison of the Spatial Structure of Internal Migration by Level of Educational Attainment*, San Francisco, USA, April 2012.
- Population Geography Conference **N. Sander** & M. Bell, *Retirement Migration of the Baby Boomers in Australia: Beach, Bush or Busted?*, Umea, Sweden, June 2011, **SLIDES**.
- Intern. Conference on Managing the Urban-Rural Interface **N. Sander** & V. Skirbekk, *Prospects for later-life migration in urban Europe*, Copenhagen, Denmark, October 2010, **SLIDES**.
- IUSSP Population Conference **N. Sander** & Martin Bell, *Retirement migration among the baby boomers: cohort dynamics and spatial structure in Australia*, Marrakesh, Morocco, September 2009.
- Population Geography Conference **N. Sander** & Martin Bell, *Migration and Retirement in the Life Course: An event history approach*, Dartmouth, USA, August 2009.

Computer skills

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|-------------------|-----------------------------------------------------------------|
| Essentials | html & css, Adobe Illustrator, Adobe InDesign, Inkscape, R, Git |
| More advanced | markdown, ArcGIS, QGIS, Stata, \LaTeX |
| On the to-do list | python, d3.js, WebGL |

Last updated: 12 August 2015