Nikola Sander

CURRICULUM VITAE

□ nikola@nikolasander.com
 www.nikolasander.com
 nikolasander



I'm a quantitative population geographer interested in internal & international migration, mobility, population projections and data visualisation.

	Education
Apr 2006 - Feb 2011	PhD in Geography , <i>University of Queensland, Australia</i> , Title: "Retirement Migration of the Baby Boomers in Australia: Beach, Bush or Busted?", <i>Advisor: Professor Martin Bell</i> .
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; graduated with distinction), Eberhard-Karls University Tübingen, Germany.
Apr 2004 - Nov 2004	Research stay, Griffith University, Gold Coast, Australia.
Feb 2003 - July 2003	Exchange student, Flinders University, Adelaide, Australia.
1998	Abitur (baccalaureate), Konrad-Heresbach Gymnasium Mettmann, Germany.

Current Position

since Mar 2016 **Assistant Professor of Population Geography**, Population Research Centre, Department of Demography, Faculty of Spatial Sciences, University of Groningen, the Netherlands.

Previous Positions

Nov 2010 - Feb 2016	Research Scholar , Vienna Institute of Demography, Austrian Academy of Sciences, Austria.
Jan 2011 - Feb 2016	Research Team Leader 'Migration & Education', Wittgenstein Centre for Demography and Global Human Capital, Austria.
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 Man-

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.

Research Interests

- since 2014 **Research on the motives of student mobility**, i.e. planning and completing an online survey among international students in Austria on their motives, experiences and career plans; analysis of the results with mixed methods.
- since 2012 **Development of interactive data visualisations**, for exploratory data analysis, policy advise and the dissemination of research to a wider audience.
- since 2010 **Quantitative research on international migration**, i.e. quantification and analysis of international migration flows and the modelling of migration in global population projections using census- and register-based data (with STATA, R, Excel).
- Since 2005 Quantitative research on internal migration and mobility, i.e. analysis of internal migration flows and drivers of moving (e.g. in Germany, Austria, the UK and Australia) using indicators of spatial structure, event history and ageperiod cohort models based on census-, register- and panel-data (with STATA, R, Excel & ArcGIS), as well as projections of internal migration with multi-regional projections models.

Publications

265 citations on google scholar; h-index: 6 (google scholar).

- in press **N. Sander** & E. Charles-Edwards. Internal and International Migration, *In: Africa's Population: Demographic Dividend or Social Time Bomb?*, eds. J. May & H. Groth, Springer.
- in press **N. Sander**. Germany: Internal Migration Within a Changing Nation, *In: Internal Migration in the Developed World: Are We Becoming Less Mobile?*, eds. T. Cooke, A. Champion & I. Shuttleworth, Ashgate.
- in press **N. Sander**, J. Stillwell & N. Lomax. Circular Migration Plots, *In: A Handbook of Census Resources, Methods and Applications: Unlocking the UK 2011 Census.*, eds. J. Stillwell & O. Duke-Williams, Taylor & Francis.
 - 2017 L. Prazeres, A. Findlay, D. McCollum, N. Sander, E. Musil, Z. Krisjane, & E. Apsite-Berina. Distinctive and comparative places: Alternative narratives of distinction within international student mobility, *Geoforum*, 80: 114-122.
 - 2015 **N. Sander**. Die Zuwanderung aus Südeuropa nach Deutschland im globalen Kontext, *Berichte der Deutschen Akademie für Landeskunde*, 89 (1): 91-102.
 - 2015 E. Charles-Edwards, T. Wilson & **N. Sander**. Visualising Australian internal and international migration flows, *Regional Studies, Regional Science*, vol. 2 (1): 431-433, **PDF**, LINK.
 - 2015 **N. Sander** & M. Bell. Age, Period and Cohort Effects on Migration of the Baby Boomers in Australia, *Population, Space & Place*, pre-published online 21 May 2015, **PDF**, LINK.
 - 2015 **N. Sander**. Font and Mendez (eds.): Surveying Ethnic Minorities and Immigrant Population, *European Journal of Population*, vol. 31(1): 107-108, LINK.
 - 2015 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, eds. S. Geertman, J. Ferreira, R. Goodspeed & J. Stillwell, Springer, LINK.
 - 2015 Roland, M., P. Wiesinger & N. Sander. H ANHANG, In: Malstil und Schreibsprache, pp. 119-140, M. Roland, M. & P. Wiesinger, Austrian Academy of Sciences.

- 2015 N. Sander & R. Bauer. Visualizing The Global Migration System, New World, vol. 2, United Nations Association of Great Britain and Northern Ireland (UNA-UK), LINK.
- 2015 **N. Sander**. Die Welt auf Wanderschaft, *Demografische Forschung Aus Erster Hand*, Max-Planck-Institute for Demographic Research, **PDF**, LINK.
- 2015 **N. Sander**, G. Abel & R. Bauer. Visualizing Global Migration, *Journal of International Affairs*, vol. 68(2): 272-273, Columbia University, LINK.
- 2014 G. Abel & **N. Sander** [alphabetical order; equal contribution]. Quantifying Global International Migration Flows, *Science*, vol. 343 (6178): 1520-1522, **PDF**, LINK.
- 2014 **N. Sander**. Internal migration in Germany, 1995-2010: new insights into East-West migration and re-urbanization, *Comparative Population Studies*, vol. 39(2): 217-246, **PDF**, LINK.
- 2014 **N. Sander** & M. Bell. Migration and Retirement in the Life Course: An event history approach, *Journal of Population Research*, vol. 31(1): 1-27, **PDF**, **LINK**.
- N. Sander, G. Abel & F. Riosmena. The Future of International Migration, *In: World Population and Human Capital in the 21st Century*, pp. 333-397, eds. W. Lutz, W. Butz & S. KC, Oxford University Press, LINK.
- 2014 **N. Sander**. The Geography of Contemporary World Migration, *Geography Review by Hodder Education*, vol. 28(2): 20-21, LINK.
- 2014 N. Sander. Deutschland in Bewegung? Neue Daten und Erkenntnisse zur globalen Migration und zur deutschen Binnenwanderung, Bevökerungsforschung Aktuell, vol. 35(3): 8-12, PDF.
- 2014 M. Fischetti, **N. Sander** [Illustration]. The Not So Wretched Masses, *Scientific American*, vol. 310: 86, LINK.
- 2014 **N. Sander**, G. Abel, R. Bauer & J. Schmidt. Visualising Migration Flow Data with Circular Plots, *VID Working Paper*, 2/2014, **PDF**.
- 2013 N. Sander, G. Abel & F. Riosmena. The Future of International Migration: Developing Expert-Based Assumptions for Global Population Projections, VID Working Paper, 07/2013, PDF.
- 2011 **N. Sander**, Retirement Migration of the Baby Boomers in Australia: Beach, Bush or Busted?, Ph.D. Thesis, FIGSHARE.
- 2011 **N. Sander**, V. Skirbekk, S. K.C. & E. Lundevaller. Prospects for later-life migration in urban Europe, *Project report; Peri-Urban Land Use Relationships Strategies and Sustainability Assessment Tools for Urban-Rural Linkages (PLUREL*).
- 2006 R. Buckley, **N. Sander**, C. Ollenburg & J. Warnken. Green Change: Inland Amenity Migration in Australia, *In: The Amenity Migrants: Seeking And Sustaining Mountains And Their Cultures*, pp. 278-294, ed. L. Moss, CABI, LINK.

Teaching Experience

- since 2016 **Lecturer & Coordinator**, *University of Groningen*, Masters course "Contemporary Population Issues".
- since 2016 **Lecturer & Coordinator**, *University of Groningen*, Bachelor course "Population Geographies".
- 2016 2017 **Lecturer & Coordinator**, *University of Groningen*, Masters course "Population Policies and Interventions".
- since 2016 **Guest lecturer**, *University of Groningen*, Bachelor course "Migration and Development".

- since 2016 **Guest lecturer**, *University of Groningen*, RUG Summer School "Population and Society".
 - 2011 **Guest lecturer**, Department of Tourism and Hospitality Management, MODUL University Vienna, Course: Latest Trends and Innovations in Tourism.
 - 2008 **Guest lecturer**, School of Geography, Planning and Environmental Management, The University of Queensland, Australia, Course: Applied Demography.
- 2006 2008 **Teaching Assistant**, School of Geography, Planning and Environmental Management, The University of Queensland, Australia.

Thesis Supervision

- 2017 Winida Albertha, Masters thesis supervision, University of Groningen.
- 2014 **Jonas Vogt**, Internship during Masters degree, Vienna Institute of Demography.
- 2011 Yang Li, YSSP Student, International Institute for Applied Systems Analysis.
- 2011 **Gernot Pucher**, Internship during Masters degree, Vienna Institute of Demography.

Professional Services

- since 2016 **Comparative Population Studies (BIB)**, *Member of the International Advisory Board*.
- since 2015 **Population, Space & Place (Wiley)**, *Member of the International Advisory Board.*
 - 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 Comparative Population Studies

Demographic Research

European Journal of Population

Geoforum

International Migration Review
Journal of Population Research

Journal of the Royal Society

PLOS One

Population and Environment Population, Space & Place

Science

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.

Scholarships and Awards

- 2010 RHD Editorial Support Award for PhD thesis editing, *University of Queensland, Australia (AU\$1,000)*.
- 2006 2010 **UQ Research Higher Degree Conference Travel Award**, *University of Queensland*, *Australia (AU\$7,000)*.
- 2006 2010 **UQ International Scholarship (UQI)**, University of Queensland, Australia (AU\$103,400).
 - 2006 International Postgraduate Research Scholarship (IPRS), University of New South Wales, Australia (declined).
 - 2003 Baden-Württemberg Exchange Program Award, Flinders University, Australia.

Research Funding

2016 Quantifying the impact of internal migration on human settlement around the globe,

Proposal submitted to the Dutch NWO VIDI Grant call 2016, but not retained for funding.

2015 Integrating Demography, Migration and Space in the Modelling of Urban Growth (DEMISPACE),

Proposal submitted to the Austrian FWF START Grant call 2015; evaluated as belonging to the top 10% of all proposals, but not retained for funding.

2015 Integrating Demography, Migration and Space in the Modelling of Urban Growth (DEMISPACE),

Proposal submitted to the ERC Starting Grant call 2015; evaluated as belonging to the top 25% of all proposals, but not retained for funding.

2014 - 2015 Coordinator of the case study on student mobility in Austria,

PI: Prof Allan Findlay, University of St Andrews,

Project title: ESRC Centre for Population Change (phase II), Mobility Strand WP3.2 "Dynamics and policy implications of changes in student mobility".

2010 - 2014 Modelling international migration in global population projections,

PI: Prof. Wolfgang Lutz,

ERC Advanced Grant "Forecasting Societies' Adaptive Capacities to Climate Change".

2007 - 2010 Prospects for later- life migration in urban Europe,

WP leader: Prof. Vegard Skirbeck,

European Commission Grant "Peri-urban Land Use Relationships: Strategies & Sustainability Assessment Tools for Urban-Rural Linkages (PLUREL)".

2006 - 2010 Retirement migration in Australia,

PI: Prof. Martin Bell,

Australian Research Council Discovery Grant "Understanding the Structure of Internal Migration in Australia".

Policy Advise

- Feb 2017 **Global Forum on Migration and Development (GFMD)**, within the 3-day workshop "What Future for International Migration and Human Mobility?", organised by the International Organisation for Migration (IOM) and the Friedrich-Ebert-Foundation in Geneva, Switzerland.
- Mar 2016 **Dr. Gerd Müller, German Federal Minister of Economic Cooperation and Development**, within a small discussion round on the topic "Migration, Integration and Development" in Berlin, Germany.
- Apr 2014 **World Bank**, within the 1-day workshon on "Modelling Migration in Population Projections" hosted at the United Nations in New York, USA, LINK.
- Dec 2011 **European Commission**, within a discussion round on the scientific analysis of migration and global environmental change, hosted by the European Commission, Brussels, Belgium.

Data Visualisations

- 2016 Participation in the exhibition "Uncertain States. Artistic Strategies in States of Emergency" of the Academy of the Arts in Berlin, Creation of wall art on global refugee and migration flows, LINK.
- 2016 Global Migrants, Refugees and Asylum Applicants, An interactive data visualisation of globalflows of migrants, refugees and asylum applicants based on 2015 UNHCR data, page views since Aug 2016: 9,400, WWW.GLOBAL-REFUGEES.INFO.
- The Global Flow of People, An interactive data visualisation of global migration flows, 1990-2010, page views since March 2014: 737,000, WWW.GLOBAL-MIGRATION.INFO.
- 2014 Internal Migration in Germany, An interactive data visualisation of interregional migration flows in Germany, www.german-migration.info.
- 2014 Global Migration Data Sheet 2005-10, A two-sided poster for science dissemination and education. Total circulation: 5,000 copies, PDF.

Selected Media Coverage

- in press brand eins: ..., by M. Hannemann, LINK.
 - 2017 **OZY:** When a country's biggest city lies outside its borders, by J. Watkins, LINK.
 - 2017 **Nature:** Data on movements of refugees and migrants are flawed, *by D. Butler*, Link.
 - 2016 **3sat:** nano, aired on 12.12.2016 titled "Anziehungspunkt: Afrikaner kommen weiter nach Deutschland", LINK.
 - 2016 Der Spiegel: Globale Migration: Die Welt bleibt zu Hause, by G. Mingels, LINK.
 - 2015 **3sat:** Wissenschaftsdoku, aired 21.05.2015 titled "Umstrittene Prognosen. Die Macht der Demografen", LINK.
 - 2015 **Der Standard:** Aus globaler Sicht hat Migration nicht zugenommen, *by A. Pumhösel*, LINK.
 - 2015 **The Washington Post:** How statisticians uncovered the world's missing migrants, by A. Swanson, LINK.
 - 2014 **FAZ:** Land, Stadt, Glück, by L. Nienhaus, LINK.

- 2014 **Die Welt:** Junge Menschen ziehen massenhaft in die Metropolen, *by D. Siems*, LINK.
- 2014 National Public Radio: How Cultures Move Across Continents, by K. Manke,
- 2014 **New Scientist:** Rising tide of migration is a myth, say global stats, *by J. White*, LINK.
- 2014 **Scientific American:** Global Migrant Flows: An Interactive Map, *by G. Giller*,
- 2014 **Quartz/The Atlantic:** Where everyone in the world is migrating in one gorgeous chart, *by N. Stockton*, **LINK**.
- **FastCoExist:** Visualizing Which Countries People Are Trying To Get Away From, And Where They're Going, by J. Leber, LINK.
- 2014 **Slate:** World on the Move, by J. Keating, LINK.
- **Telegraph:** Innovative graphic shows human flow across world's borders, *by E. Roberts*, LINK.
- 2014 **Wired:** Addio Italia: la mecca della cultura contemporanea è la California, *by G. De Martino*, LINK.
- 2014 **Rue89:** Voici la visualisation qui cassera vos idées reçues sur l'immigration, *by C. Beal*, LINK.
- 2014 Der Spiegel: Die Welt ist konstant in Bewegung, LINK.
- 2014 ORF: Globale Migration seit 1990 stabil, LINK.
- 2014 **Der Standard (Titlepage):** Neue Studie: Globale Migration seit 1990 nahezu unverändert, LINK.

Invited talks

- Sep 2015 **N. Sander**, *Myths and facts on migration in Europe and the global context [Plenary]*, Conference of the European Institute of Social Security, Vienna, Austria,
- Jun 2015 **N. Sander**, *Migration in the Modern World [Opening Plenary]*, International Conference on Population Geographies, Brisbane, Australia, LINK.
- May 2015 **N. Sander**, *Quantifizierung und Visualisierung Globaler Migrationsströme*, World Demographic and Ageing Forum, St. Gallen, Switzerland, LINK.
- Oct 2014 **N. Sander**, Participant and presenter at the Workshop on Demography and Energy, organised by the King Abdullah Petroleum Studies and Research Centre (KAPSARC), Washington D.C., USA.
- Sep 2014 **N. Sander**, *Wie viele Menschen trägt die Erde?*, Helmholtz Association, Magdeburg, Germany, SLIDES.
- Aug 2014 **N. Sander**, Perception of Migration How to Change the Narratives about Migrants, UNAOC Global Forum, Bali, Indonesia, LINK.
- Jan 2014 **N. Sander** & G. Abel, *Quantifying and visualising global international migration flows in 1990-2010*, Hungarian National Statistical Office, Budapest, Hungary.
- Sep 2013 **N. Sander**, The socio-demographic characteristics of the New Highlanders and the impact of their migration behaviour on population structures in destination regions, AlpWeek, Poschiavo, Switzerland.
- May 2013 **N. Sander**, *Participant in the Workshop on Migration, Urbanization and Climate Change*, National Center for Atmospheric Research, Boulder, USA.

Conference Presentations

- Sep 2016 **N. Sander** & R. Bauer, *Bridging the gap between science and policy on migration and asylum*, European Population Conference, Mainz, Germany, LINK.
- Jul 2016 **N. Sander**, *The Intensity of Internal Migration in Germany since 1995*, 1st International Conference on Geographies of Migration and Mobility, Loughborough, UK.
- Jul 2015 **N. Sander**, R. Bauer & T. Frank, *Adding Design to the Research Process: Visualising Complex Migration Flow Data*, APA Biannual Meeting, Kuala Lumpur, Malaysia, **SLIDES**.
- Jun 2015 **N. Sander** & R. Bauer, *Internal migration in Austria along the rural-urban continuum and across the life course, 1996–2014*, International Conference on Population Geographies, Brisbane, Australia, **SLIDES**.
- Jun 2015 **N. Sander** & R. Bauer, *How Data Visualisation Enhances the Impact and Visibility of Science*, International Conference on Population Geographies, Brisbane, Australia, SLIDES.
- Apr 2015 **N. Sander** & R. Bauer, *How Data Visualisation Enhances the Impact and Visibility of Science*, PAA Annual Meeting, San Diego, USA, **SLIDES**.
- Mar 2015 **N. Sander**, *Quantifizierung, Visualisierung und Kommunikation von globalen Wanderungsströmen*, DGD Jahrestagung, Berlin, Germany, **SLIDES**.
- Dec 2014 E. Charles-Edwards, T. Wilson & **N. Sander**, *Visualising Australian internal and international migration flows*, Meeting of the Australian Population Association, Hobart, Australia, **Poster**.
- Dec 2014 M. Bell, E. Charles-Edwards, P. Ueffing, A. Bernard, F. Rowe, T. Wilson, J. Cooper & **N. Sander**, *Inter-regional migration in Australia: Thirty years of change*, Meeting of the Australian Population Association, Hobart, Australia.
- Aug 2014 **N. Sander** & G. Abel, *Quantifying and visualising migration flows around the globe*, International Geographical Union, Cracow, Poland, **SLIDES**.
- Aug 2014 **N. Sander** & R. Bauer, *Data visualisation at the nexus of science and the public*, The Graphical Web, Winchester, UK, SLIDES, VIDEO.
- Jul 2014 **N. Sander**, G. Abel, R. Bauer & J. Schmidt, *Visualizing Migration Flow Data*, Migration & Development Conference, Oxford, UK, **SLIDES**.
- Jun 2014 **N. Sander**, P. Rees & G. Abel, *The patterns and trends in global international migration flows since 1990: a revisit with new data and methods*, European Population Conference, Budapest, Hungary, **SLIDES**.
- Jun 2014 **N. Sander**, R. Bauer & G. Abel, *Visualizing global international migration flows*, European Population Conference, Budapest, Hungary, **Poster**.
- Jun 2014 G. Abel, S. KC & **N. Sander**, Examining the role of international migration in global population projections [poster], European Population Conference, Budapest, Hungary.
- May 2014 G. Abel, S. KC & **N. Sander**, *Examining the Role of International Migration in Global Population Projections*, PAA Annual Meeting, Boston, USA.
- Oct 2013 **N. Sander**, G. Abel & S. KC, *The impact of alternative assumptions about migration differentials by education on projections of human capital*, Eurostat/UNECE Work Session on Demographic Projections, Rome, Italy.
- Oct 2013 **N. Sander**, Internationale Migration von und nach Deutschland: Die neue "Einwanderungswelle" aus Südeuropa in Globaler Perspektive, Deutscher Geographentag, Passau, Germany, **SLIDES**.

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

Technical Skills

Statistics Stata, R, SPSS

GIS ArcGIS, QGIS

Other Adobe Illustrator, HTML5, LATEX