

# Nikola Sander

## CURRICULUM VITAE

☎ +43 1 31336 7738  
✉ nikola.sander@oeaw.ac.at  
🌐 www.nikolasander.com  
🐦 nikolasander



*I'm a human/ population geographer interested in internal & international migration, urbanisation, population projections and data visualisation*

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### 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*.

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### 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*.

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### 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.

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### 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.

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## Selected 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*.

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## Supervision of Graduate Students

- 2014 **Jonas Vogt**, *Masters Student, Vienna Institute of Demography*.
- 2011 **Yang Li**, *YSSP Student, International Institute for Applied Systems Analysis*.
- 2011 **Gernot Pucher**, *Masters Student, Vienna Institute of Demography*.

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## Funding Support

- 2010 - 2014 **European Research Council Advanced Grant**,  
*PI: Prof. Wolfgang Lutz*,  
Title: "Forecasting Societies' Adaptive Capacities to Climate Change".
- 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".

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## Participation in Externally Funded Projects

- 2014 - 2015 **Coordinated the Austrian Case Study on student mobility for the ESRC Centre for Population Change**,  
*PI: Prof Allan Findlay, University of St Andrews*,  
Project title: CPC-II - Mobility Strand - WP 3.2 "Dynamics and policy implications of changes in student mobility".
- 2009 - 2010 **Authored a report on retirement migration in urban Europe**,  
*PI: Prof Vegard Skirbekk, IIASA*,  
Project title: "Peri-urban Land Use Relationships - Strategies and Sustainability Assessment Tools for Urban-Rural Linkages" (PLUREL).

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## 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)".*

**Dr Elin Charles-Edwards**, University of Queensland, Australia, *on linking different types of human mobility.*

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

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

**Dr Nik Lomax** (University of Leeds, UK), *on visualising flow data.*

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## 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.*

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## 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**.

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## 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.**

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## Data Visualisations

- 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](http://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](http://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](#).

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## Selected 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](#).

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## Computer Skills

- Essentials html & css, Adobe Illustrator, Adobe InDesign, Inkscape, R, Git
- More advanced markdown, ArcGIS, QGIS, Stata,  $\text{\LaTeX}$

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## Publications

- forthcoming **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.
- 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]. 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](#).
- 2014 **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, *Bevölkerungsforschung 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](#).

revise & resubmit

**N. Sander**. Die Zuwanderung aus Südeuropa nach Deutschland im globalen Kontext, *Berichte zur deutschen Landeskunde*.

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## 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, [LINK](#).
- 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](#).
- Apr 2014 G. Abel & **N. Sander**, *Participant and presenter at the seminar on the role of migration in population modeling*, United Nations, New York, USA, [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.
- Dec 2011 **N. Sander**, *Participant in the Workshop on Scientific Analysis of Migration and Global Environmental Change*, European Commission, Brussels, Belgium.

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## Conference Presentations

- 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 Elin Charles-Edwards, Tom Wilson & **N. Sander**, *Visualising Australian internal and international migration flows*, Meeting of the Australian Population Association, Hobart, Australia, [POSTER](#).

- Dec 2014 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*, 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 & Samir K.C., *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** & Ramon Bauer, *Binnenwanderungsmuster in Deutschland seit 1995: Allgemeine 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 & Samir K.C., *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 & Samir K.C., *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 & Samir K.C., *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.

- Aug 2012 **N. Sander** & M. Bell, *Retirement Migration of the Baby Boomers in Australia: Beach, Bush or Busted?*, 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.

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