

Benjamin David Hennig

Research Associate

Department of Geography

University of Sheffield

Sheffield

S10 2TN

E-Mail: b.hennig@sheffield.ac.uk

Internet: www.viewsoftheworld.net

Work Experience

- since 10/2011 Research associate (funded by the Trust for London)
Department of Geography, University of Sheffield
- 2009-2011 Guest teaching in the Module GEO6016 Data, Visualisation and GIS for the MSc Social and Spatial Inequalities course, Department of Geography, University of Sheffield, UK.
- 2005-2008 Research fellow and lecturer at the Department of Geography, University of Cologne, Germany
- 2005 Research fellow in the project 'Socio-Economic Disparities in South-East Asia' at the Department of Geography, Cologne (funded by the DFG / German Research Foundation)
- 2001-2004 Student research assistant at the chair of Prof. Dr. F. Kraas, Department of Geography, Cologne

Education

- Sep 2011 Doctor of Philosophy in Geography, University of Sheffield, United Kingdom
PhD thesis: 'Rediscovering the world: Gridded cartograms of human and physical space'
- 2008-2011 PhD research (funded by the Leverhulme Trust)
Department of Geography, University of Sheffield, United Kingdom
- Jan 2005 Diplom in Geography (*MSc-equivalent*), Magna Cum Laude (*with distinction*)
Master thesis: 'Applications of hyperspectral remote sensing in coastal ecosystems: A case study from the German North Sea' (research conducted at the Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven, Germany)
- 2000-2005 University of Cologne, Germany: Studies of Geography, Sociology, Transport economics, Pedology (University of Bonn)
- 1998-2000 University of Cologne, Germany: Undergraduate Studies of German language and literature, Philosophy, Geography

Publications

- Hennig, B.D. and Dorling, D. (2012). London's political landscapes. *Political Insight* 3 (1), forthcoming.
- Hennig, B.D. and Dorling, D. (2012). Educational mobility in England and Germany. In D. Dorling (Ed). *Fair Play*. Bristol, 155-158.
- Hennig, B.D. Pritchard, J., Ramsden, M., and Dorling, D. (2012). Remapping the world's population: Visualizing data using cartograms. In D. Dorling (Ed). *Fair Play*. Bristol, 379-384.
- Ballas, D., Kavroudakis, D., Hennig, B., Yiagopoulou, V., and Dorling, D. (2012). The geographic/regional dimension of educational inequality in the EU. NESSE report 53/2010, forthcoming.

- Hennig, B.D. (2011). The happy planet index. *Resurgence* 269: 20-21.
- Hennig, B.D. (2011). *Rediscovering the world: Gridded cartograms of human and physical space*. PhD thesis, University of Sheffield.
- Hennig, B.D. (2011). *Reinventing the map collection: new journeys through (un)known worlds of London and America*. *The Geographical Journal*. doi: 10.1111/j.1475-4959.2011.00407.x
- Hennig, B.D. (2011). UK Snow: Mapping another big freeze. *Maplines* 2011 (1), 11.
- Dorling, D. and Hennig, B.D. (2011). America's debt to the world. *Political Insight* 2 (3), 34.
- Dorling, D. and Hennig, B.D. (2011). Global population shifts. *Political Insight* 2 (2), 34.
- Pattie, C., Hennig, B.D. and Dorling, D. (2011). US Midterm election. *Political Insight* 2 (1), 34.
- Hennig, B.D. (2010). How to see the world differently / Wie man die Welt auch sehen kann. *Griephan Global Security* 2010 (1), 14-19.
- Hennig, B.D. (2010). Reflections – a first-timer's view. *Newsletter of the Society of Cartographers* 11/2011, 22-24.
- Hennig, B.D., Pritchard, J., Ramsden, M., and Dorling, D. (2010). Remapping the World's Population. *Visualizing data using cartograms*. *ArcUser* 2010 (1), 66-69.
- Dorling, D. and Hennig, B. D. (2010). Angles, Saxons, Inequality, and Educational Mobility in England and Germany. *Social Europe Journal*.
- Dorling, D. and Hennig, B.D. (2010). Government Debt. *Political Insight* 1 (3), 106.
- Dorling, D. and Hennig, B. D. (2010). General Election 2010. *Political Insight* 1 (2), 72.
- Hennig, B.D., et al. (2009). Re-Mapping the world's population. *Proceedings of the 2009 ESRI International User Conference*. San Diego.
- Hennig, B.D., Dorling, D. and Ramsden, M. (2009). Re-Drawing the world: An approach towards a gridded world population cartogram. In: Fairbairn, D. (ed): *Proceedings of the GIS research UK 17th annual conference*. Durham, 157-161.
- Hennig, B., Cogan, C. and Bartsch, I. (2007). Hyperspectral remote sensing and analysis of intertidal zones - A contribution to monitor coastal biodiversity. - In: Car, A., Griesebner, G. & J. Strobl (eds.): *Geospatial crossroads @ GI_Forum*. Salzburg (Proceedings of the first geoinformatics forum), 62-73. (peer reviewed full paper)
- Hennig, B. D. (2005). Applications of hyperspectral remote sensing in coastal ecosystems: A case study from the German North Sea. *Diploma thesis, AWI Bremerhaven / University of Cologne*.

Talks and Conference Contributions

2011:

- Where does it always rain on us? 47th Annual Summer School of the Society of Cartographers, 6 Sep, Plymouth, UK.
(*talk*)
- The relativity of space: Warping our views of the world. Human Geography Seminar Series, Postgraduate Presentations, 31st May, University of Sheffield, UK.
(*talk*)
- Mapping people, not sheep: Why our planet's well-being can look so different. IDEA CETL Applied Ethics Research seminar, 14 Mar, University of Leeds, UK.
(*invited talk*)

2010:

- People powered maps: Geovisualisierung im Zeitalter der Globalisierung. Kartographisches Kolloquium der Deutschen Gesellschaft für Kartographie, 28 Oct, Karlsruhe, Germany.
(*invited talk*)
- Gridded cartograms and the world population atlas. 46th Annual Summer School of the Society of Cartographers, 8-10 Sep, Manchester, UK.
(*talk and poster*)

- Using worldmapper in teaching - discussing inequality in the classroom. Prince's Trust Summer School for Secondary School Geography teachers, 28 Jun, Cambridge, UK.
(*invited joint talk*)
- People powered maps: A population-centric map projection. Annual Meeting of the Association of American Geographers, 14-18 Apr, Washington DC, USA.
(*talk*)
- Making visible global injustice in health: mapping the causes of 57 million deaths. Medsin Global Health Conference, 28 Mar, Newcastle, UK.
(*invited joint keynote*)
- Preparing for "Peak Population": how the UK fits within world demography. The Royal Commission on Environmental Pollution, 4 Feb, London, UK.
(*invited joint talk*)

2009:

- Social mobility does not matter where it is high, because the size of the gap from top to bottom is so low. Social Research Association Annual Conference, 15 Dec, London, UK.
(*invited joint talk*)
- Mapping a (un)happy humanity: a new perspective on our planet's well-being. Exhibition to mark the re-launch of the Centre of Health and Well-being in Public Policy (CWIPP) at the University of Sheffield, Dec, Sheffield, UK.
(*poster*)
- Cartography of the financial markets: visualizations of an economic world. International Conference Architecture and the City in the Financial Crisis (Architektur und Stadt in der Finanzkrise), Stiftung Bauhaus, 14 Nov, Dessau, Germany.
(*invited talk*)
- Geovisualisation of flows: Finding new approaches to map an interdependent world. Annual Conference of the Royal Geographical Society, 26-28 Aug, Manchester, UK.
(*poster*)
- Re-Mapping the world's population. ESRI International User Conference, 13-17 Jul. San Diego, USA.
(*talk and conference proceedings paper with Ramsden, M., D. Ballas, J. Pritchard and D. Dorling*)
- Re-Drawing the world: An approach towards a gridded world population cartogram. GIS Research UK 17th annual conference, 1-3 Apr, Durham, UK.
(*talk and conference proceedings paper with Dorling, D. and M. Ramsden*)

2007:

- Der Einsatz hyperspektraler Fernerkundungsdaten bei der Biotopkartierung im Gezeitenbereich. Deutscher Geographentag, 29 Sep - 5 Oct, Bayreuth, Germany.
(*poster*)
- Hyperspectral remote sensing and analysis of intertidal zones - A contribution to monitor coastal biodiversity. GI_Forum, 3-6 Jul, Salzburg, Austria.
(*talk and reviewed full paper with Bartsch, I. and C. Cogan*)

2005:

- Mapping of small-scale intertidal macrophyte communities at the island of Helgoland (North Sea) using hyperspectral remote sensing images. 2nd EARSeL Workshop Remote Sensing of the Coastal Zone, 9-11 Jun, Porto, Portugal.
(*joint talk*)
- Macrophyte monitoring by hyperspectral remote sensing and ground based biotope mapping - a tool to assist the monitoring demands of the EU-water frame work directive? MarBEF workshop: How to detect changes in biodiversity - concepts, methods and tools, 2-4 Feb, Banyuls, France.
(*joint talk*)

2004:

- Der Einsatz hyperspektraler Fernerkundungsdaten bei der Biotopkartierung im Gezeitenbereich. 2. Jahrestagung des Arbeitskreises Fernerkundung (Annual Meeting of the Working Group Remote Sensing), 19-20 Nov, Bonn, Germany.
(poster)

Fellowships, Honorary Activities, Honours

- since 2012 Committee member of the Society of Cartographers
- 02/2011 Honoured by the Institute of Public Policy Research (ippr north) as one of the 'Northern Lights 2011', a list of the 50 brightest and most talented people from the North of England
- since 2011 Member of the management group of the Centre for Health and Well-being in Public Policy (CWIPP) at the University of Sheffield
- since 2011 Supporter of the ICA Commission on Neocartography
- 04/2010 Honoured with the University of Sheffield Media Star Award recognising academics who have successfully engaged with the press and media, presented at the Media/Impact conference in Sheffield
- since 2009 Associate Member of the British Cartographic Society,
Member of the Society of Cartographers
- since 2009 Member of the Interdisciplinary Centre for Health and Well-being in Public Policy (CWIPP) at the University of Sheffield
- since 2008 Postgraduate Fellow of the Royal Geographical Society
- since 2006 Member of the Association of German University Geographers (Verband der Geographen an Deutschen Hochschulen, VGDH)
- since 2005 Member of the Association of American Geographers (AAG)
- since 2001 Webmaster of the German Society for Geography (DGfG)
- 2001-2008 MegaCity TaskForce of the International Geographical Union (IGU)
- 2001-2005 Member of the board of the Cologne Geographic Society
- 2001-2003 Finance treasurer of the students' council of the faculty of arts (University of Cologne)
- 1999-2002 Member and finance treasurer of the students' council at the Department of Geography (University of Cologne)
- 1999-2002 Member of the European Geographers Association of students
- 1999-2002 Member of the students' faculty council of the faculty of natural sciences (University of Cologne)

Teaching Experience

since 2005 teaching experience in all taught study courses of the Department of Geography (Diplom, Magister, Lehramt, Bachelor, Master):

- All relevant undergraduate modules on human and social geography
- Excursions and field trips on human and physical geography related topics (including urban and rural development, environmental and geologic issues in Cologne and the lower Rhine region)
- Various modules for postgraduates including advanced topics of Urban Geography (e.g. Economic Change in China, Megacity research, Regional geography of Asia)
- Various lectures on human geography related topics (e.g. Megacities, Development in Southeast Asia, Introduction to Geography)

GIS teaching for the MSc in Social and Spatial Inequalities (University of Sheffield)

Grants and Projects

- 2011 'The Real Map of London': Project to increase the understanding of poverty and inequality in London, £143,000 joint research grant with Danny Dorling, awarded by the Trust for London

2010/11	'A tale of two states': Project on mapping inequalities in Israel and the Occupied Palestinian Territories, supported by the Barry Amiel & Norman Melburn Trust, London
2004	Intertidal field studies and biotope mapping studies at the Biological Research Station on the North Sea island Helgoland
2003	Internship at the computer centre and the benthic ecosystems section of the Alfred-Wegener-Institute, Bremerhaven
2003	Three month internship in the public transport management company Rhein-Erft Verkehrsgesellschaft (REVG), Bergheim
2002	Soil science field and laboratory work at the Department of Pedology, Bonn
2002	Presentation of "Köln virtuell" at the education fair didacta 2002, Cologne
2001	'Mensch macht Landschaft – Köln virtuell': Project examining the urban land use change of Cologne (LEB, Cologne)
2000	Geoarchaeological field work conducted by the Department of Geography, Cologne

Computer and IT Skills

Basic programming skills, advanced hard- and software skills: Operating systems (Linux, Windows, MacOS), Microsoft Windows network administration, office applications, database management, graphics / design software (Adobe, Freehand), HTML, advanced knowledge in GIS and remote sensing and mobile GPS-applications

Language Experience

German (mother tongue)

English (fluent)

Spanish (basic)

Latin proficiency certificate

Referees

Referees available upon request