

Dr. Christopher D. Smith

Marie Curie International Outgoing Fellow (Geography) at the University of Sussex

www.trappedpopulations.com

QUALIFICATIONS

- 2012 **DPhil Geography**, University of Sussex, UK. Thesis title: "Assessing the impact of climate change upon migration in Burkina Faso: An agent-based modelling approach". Funded by an interdisciplinary studentship from the Economic and Social and Natural Environment Research Councils (ESRC and NERC).
- 2007 **MSc Environmental Technology**, University of Hull, UK. Masters thesis explored the potential for the fine-tuning of an oscillating wave power device through quantification of 'added mass'. Funded by the Engineering and Physical Sciences Research Council (EPSRC).
- 2005 **BSc Geography (First Class)**, University of Sussex, UK. Undergraduate thesis explored the existence of statistical links between changing climate variables and the occurrence of communicable disease in the Seychelles.
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PUBLICATIONS

* denotes peer reviewed journal submission.

***Smith, C.D.** (in press) Modelling migration futures: Development and testing of the Rainfalls Agent-Based Migration Model-Tanzania. *Climate & Development*. Forthcoming.

Warner, K., Afifi, T., Henry, K., Rawe, T., **Smith, C.D.**, de Sherbinin, A. (2012) "Where the Rain Falls: Climate Change, food and livelihood security and Migration". Global policy report of an 8-Country study to understand rainfall, food security and human mobility. November 2012 (first edition). CARE France and United Nations University (UNU).

*Kniveton, D.R., **Smith, C.D.** and Black, R. (2012) Emerging migration flows in a changing climate in dryland Africa. *Nature Climate Change*, 2(6), 444-447.

*Kniveton, D.R., **Smith, C.D.** and Wood, S. (2011) Agent based model simulations of changes in migration flows for Burkina Faso using the FORESIGHT Scenarios; *Global Environmental Change*; S21, S34-40.

Smith, C.D., Kniveton, D.R., Wood, S. and Black, R. (2011) Climate Change and Migration: A Modelling Approach; in; Williams, C. and Kniveton, D.R.; 2011; *African Climate and Climate Change*; Advances in Global Change Research; Vol. 43, p.179-201.

Kniveton, D.R., **Smith, C.D.**, Black, R. and Schmidt-Verkerk, K. (2009) Challenges and approaches to measuring the migration-environment nexus; in Laczko, F. and Aghazarm, C.; *Migration, Environment and Climate Change: Assessing the Evidence*; International Organization for Migration.

Smith, C.D. (2009) Climate Change and Human Migration: Can we estimate future flows?; Climate Lite; Brighton; Institute of Development Studies. <http://www.youtube.com/user/ClimateLite>.

Smith, C.D., Kniveton, D.R., Black, R. and Wood, S. (2008) Predictive Modelling; Article in Forced Migration Review Special Issue: Climate Change & Displacement; FMR.31; Oxford.

Kniveton, D., Schmidt-Verkerk, K., **Smith, C.D.** and Black, R. (2008) Climate Change and Migration: Improving Methodologies to Estimate Flows; IOM Migration Research Series; International Organization for Migration; Geneva.

SKILLS & EXPERIENCE

2013	IPCC WGII AR5 Government and Expert Review Contributor for Climate Change 2014: Impacts Adaptation and Vulnerability.
2011 - present	Participation in the peer review process of numerous journal submissions.
2009 / 2010	Geography Postgraduate Student Representative.
Jan.- Mar. 2009	Planned and undertook a two month period of intensive fieldwork in Burkina Faso, West Africa.
Languages:	Intermediate/conversation standard French. Currently studying Italian and Vietnamese.
Software Skills:	Proficiency with AnyLogic Simulation Software and quantitative data analysis packages, Stata and SPSS. Experience with qualitative data analysis and protocol analysis using NVivo and HyperResearch. Also adept with usual Microsoft applications such as Word, Excel, Powerpoint and Access as well as Geographical Information Systems (GIS) software such as ArcGIS. Experience of programming using Java and Matlab.

WORK EXPERIENCE

Oct. 2013 – present	Marie Curie International Outgoing Research Fellow (Geography) at the University of Sussex. Working on a research project entitled 'TRAPPED' the two year outgoing phase of the project allows me to be based in the School of Geosciences at the University of Sydney. www.trappedpopulations.com
May 2012 – Sep. 2013	Research Consultant / Agent-Based Modeller, United Nations University Institute for Environment and Human Security (UNU-EHS).
March 2012	Employed as a consultant by GO-Science to author a World Bank policy briefing for Africa based upon the Government's recent Foresight Migration & Global Environmental Change project.
Sep. 2010 - May 2011	Associate Tutor for Climate Change Science & Policy undergraduate course at the University of Sussex, UK. Duties included leading seminars and practical sessions by facilitating discussions on both climate science and relevant policy challenges in order to supplement course lectures.
Dec. 2009 - June 2010	Project Officer, Natural Environment Research Council (NERC) Skills Needs Review. Responsible for analysing contributions to the review of skills needs in the Environmental Sciences sector and assisting the production of a final report for submission to the NERC Council and UK Science Innovation Strategy Board.
April 2010 - June 2010	Employed as an author on a project contributing to the UK Department of Business Innovation & Skills' Foresight Migration & Global Environmental Change Project.
Jan. 2006 - Aug. 2006	Graduate Transport Planner. Motion Transport Planning, Guildford, UK.
