

Curriculum Vitae (updated June 2012)

Peter Allan Johnson, PhD

Assistant Professor
Department of Geography and Environmental Management
University of Waterloo
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Research Interests

The development, use, and evaluation of geospatial technology in planning and governance; the Geoweb; participatory use of geospatial technology; agent-based modeling

Academic Appointments

Assistant Professor, Department of Geography and Environmental Management
University of Waterloo, Waterloo, ON. (07/2012 - present)

Postdoctoral Researcher, Department of Geography
McGill University, Montreal, QC. (01/2010 - 06/2012)

Education

PhD in Geography, McGill University

MA in Geography, University of Waterloo

BA in Recreation and Leisure Studies and Geography (Honours), Co-op program, University of Waterloo

External Research Funding

(2009 - 2012) The Geoweb and community planning in rural Quebec (3 years, postdoctoral researcher with Dr. Renee Sieber) **\$291,000**. Funded primarily by the Quebec Ministry of Governmental Services program "Appui au passage à la société de l'information".

Academic Contributions

Refereed Publications

In press. Ricker, B.A., **Johnson, P.A.**, & Sieber, R.E. Using volunteered geographic information to develop tourism planning scenarios in Barbados. *The Journal of Sustainable Tourism*.

In press. **Johnson, P. A.** & Sieber, R. E. Increasing access to and use of geospatial data by municipal government and citizens: The process of 'Geomatization' in rural Quebec. *Journal of the Urban and Regional Information Systems Association (URISA)*.

In press. Pons-Pons, M., **Johnson, P. A.**, Rosas-Casals, M., Sureda, B. & Jover, E. A georeferenced Agent-Based Model to analyze the climate change impacts on winter tourism in Andorra. *Climate Research*.

In press. Beaudreau, P., **Johnson, P. A.** & Sieber, R. E. Strategic choices in developing a Geospatial Web 2.0 application for rural economic development. *Journal of Rural and Community Development*. 7(3).

2012. **Johnson, P. A.**, & Sieber, R. E. Motivations driving government adoption of the Geoweb. *GeoJournal*. DOI:10.1007/s10708-011-9416-8

2012. **Johnson, P. A.** & Sieber, R. E. Situating the adoption of VGI by government. In D. Sui, S. Elwood and M. Goodchild (Eds.), *Crowdsourcing Geographic Knowledge: Volunteered Geographic Information (VGI) in Theory and Practice*. Berlin: Springer.

2012. **Johnson, P. A.**, Sieber, R.E., Ariwi, J., & Magnien, N., Mining the Web: User-generated content as a data source for tourism research. *Current Issues in Tourism*. 15(3), 293-299.

2011. **Johnson, P. A.**, Belblidia, N., & Campbell, S. Creating open-access data for community development: Identifying vacant land parcels in Detroit, Michigan. *Journal of the Urban and Regional Information Systems Association (URISA)*. 23(2), 33-37.

2011. **Johnson, P. A.**, & Sieber, R. E. An agent-based approach to providing tourism planning support. *Environment and Planning B*. 38(3), 486-504.

2011. **Johnson, P. A.**, & Sieber, R. E. Negotiating constraints to the adoption of agent-based modeling for tourism planning in Nova Scotia. *Environment and Planning B*. 38(2), 307-321.

2010. **Johnson, P. A.** Realizing rural community-based tourism development: prospects for social economy enterprises. *Journal of Rural and Community Development*. 5(1), 150-162.

2010. **Johnson, P. A.**, & Sieber, R. E. An individual-based model of tourism dynamics. *Tourism Analysis*. 15(5), 517-530.

2009. **Johnson, P. A.**, & Sieber, R. E. Agent-based modeling: A dynamic scenario planning approach to tourism PSS. In S. Geertman & J. Stillwell (Eds.), *Planning Support Systems: Best Practices and New Methods*. Berlin: Springer.

Other Publications

2012. **Johnson, P.A.** A quantitative methods primer: A review of Quantitative Methods in Tourism, by R. Baggio, and J. Klobas. *Tourism Geographies*.

2009. **Johnson, P.A.** *Visioning Local Futures: Agent-Based Modeling as a Tourism Planning Support System.* Unpublished PhD Thesis, McGill University, 214 pp.

2003. **Johnson, P.A.** *Exploring the Ecological Footprint of Tourism in Ontario.* Unpublished Masters Thesis, University of Waterloo, 118 pp.

Invited/Refereed Presentations

2011. **Johnson, P.A.** *Using the Geoweb to engage communities in environmental and economic decision-making.* Presented at the 1st Annual Rural Research Workshop hosted by the Federation of Canadian Municipalities and the Canadian Rural Revitalization Foundation, Ottawa, Ontario, May 5th, 2011.

Johnson, P.A. *What motivates governments to invest in the Geoweb? Evidence from rural development in Quebec.* Presented at the Volunteered Geographic Information (VGI) – Research progress and new developments AAG 2011 pre-conference, Seattle, Washington, April 11th, 2011.

Beaudreau, P., **Johnson, P.A.** and Sieber, R.E. *Creating and Testing a Portable Template for Municipal-Level Adoption of the Geospatial Web 2.0.* Presented at the Spatial Knowledge and Information Canada (SKI) Conference 2008, Fernie, British Columbia, March 3rd, 2011.

2009. **Johnson, P.A.** *Experimenting with the drivers of creative class migration: An agent-based modelling approach.* Presented at the Martin Prosperity Institute: Experience the Creative Economy conference 2009, University of Toronto, Ontario, June 23rd, 2009.

2008. **Johnson, P.A.** *Planning support systems for sustainable tourism development.* Invited presentation for the 2008 University of Waterloo Tourism Lecture Series, University of Waterloo, Waterloo, Ontario, October 17th, 2008.

Johnson, P.A. *Visioning local futures: The development of a computerized tourism planning support system.* Presented at the Spatial Knowledge and Information Canada (SKI) Conference 2008, Fernie, British Columbia, February 15th, 2008. Student Presentation Award.

Recent Non - Refereed Conference Presentations

2012. **Johnson, P.A.** *How Sustainable is the Geoweb?* Presented at the Canadian Association of Geographers Annual Meeting, Waterloo, Ontario, May 30th, 2012.

Sieber, R. E., Lussier, A., Quinn, P., and **Johnson, P.A.** *Community Activism, Watershed Management, and the Geospatial Web 2.0.* Presented at the American Association of Geographers Annual Meeting, New York, New York, February 28th, 2012.

2011. **Johnson, P.A.** *What motivates governments to collect and use VGI? Evidence from rural development in Quebec.* Presented at the Canadian Association of Geographers Annual Meeting, Calgary, Alberta, June 3rd, 2011.

Johnson, P.A. *Using the Geoweb to engage communities in economic and environmental decision-making.* Presented at the American Association of Geographers Annual Meeting, Seattle, Washington, April 15th, 2011.

2009. **Johnson, P.A.** *Mining the Web: How user-generated content can become a data source for tourism research.* Presented at the Travel and Tourism Research Association – Canada Annual Conference 2009, Guelph, Ontario, October 15th, 2009.

Johnson, P.A. *Social Economy Enterprises: Prospects for rural tourism development.* Presented at the Canadian Association of Geographers Annual Meeting 2009, Ottawa, Ontario, May 28th, 2009.

Johnson, P.A. *Modeling destination competition: Tourist destinations as adaptive agents.* Presented at the American Association of Geographers Annual Meeting 2009, Las Vegas, Nevada, March 24th, 2009.

Recent Teaching Experience

Lecturer: Geography 506 Advanced GIS.

McGill University, Department of Geography, Montreal, QC
January 2012 – April 2012

Lecturer: Geography 307 Socioeconomic Applications of GIS.

McGill University, Department of Geography, Montreal, QC
January 2010 – April 2010

Lecturer: Geography 494 Urban Field Studies.

McGill University, Department of Geography, Montreal, QC
September 2008 – December 2008