

Statement of Research Interests:

The focus my research which is to combine field sampling and data with quantitative and qualitative modelling; incorporating theoretical anchors in ecological models to answer applied questions. Spanning freshwater to marine ecosystems, my research program focuses on how variation in the environment and life-history of an organism can influence population density, species interactions, and community stability. I then apply this theoretical knowledge to applied management questions by combining dynamic modelling, stock assessments, and fieldwork.

Education:

Ph.D., Integrative Biology **2010 - 2015**
Committee: Dr Kevin McCann, Dr Nigel Lester, Dr Brian Shuter, and Dr Robert McLaughlin
University of Guelph, Guelph, Ontario
Thesis Title: From Individual Attributes to Population Dynamics and Whole Community Stability in Aquatic Systems

M.Sc. Integrative Biology **2008 - 2010**
Committee: Dr Steve Crawford, Dr Kevin McCann, Dr Daniel Duplisea, and Dr John Fryxell
University of Guelph, Guelph, Ontario

B. Env. Sc. Environmetrics, AOE: Environmental Impact Assessment **1999 - 2003**
University of Guelph, Guelph, Ontario.

Professional Experience:

Post-Doctoral Fellow **2015- Current**
University of Connecticut, Storrs, Connecticut

Graduate Teaching Assistant **2008 - 2014**
University of Guelph, Guelph, Ontario

Research Affiliate **2007**
Fisheries and Oceans Canada (DFO), Burlington, Ontario

Biologist **2007**
Fisheries and Oceans Canada (DFO), Mont Joli, Quebec

Amanda Caskenette, PhD

Funding and Awards:

- Received \$2500 in funding for Inquisitive Citizen, a citizen science project **2014**
- Nominated for Middleton Graduate Teaching Assistant Award **2010 and 2014**
- Awarded NSERC GGSF Travel Grants (\$900, \$1500) **2013**
- Awarded Shared Hierarchical Academic Research Computing Network (SHARCNET) Graduate Fellowship (\$9000) **2009**
- Received \$25,000 for MSc research by Fisheries and Oceans Canada **2008-2009**
- Awarded Entrance Scholarship by the University of Guelph (\$1000) **1999**

Publications:

Peer-Reviewed Journal Articles:

Chassot, E., Duplisea, D., Hammill, M., **Caskenette, A.**, Bousquet, N., Lambert, Y., and Stenson, G. 2009. The role of predation by harp seals (*Phoca groenlandica*) in the collapse and non-recovery of northern Gulf of St. Lawrence cod (*Gadus morhua*). Marine Ecology Progress Series. 379: 279297.

Technical Reports:

Chassot, E., **Caskenette, A.**, Duplisea, D., Hammill, M., Bourdages, H., Lambert, Y. and Stenson, G. 2007. A model of predation by harp seals (*Phoca groenlandica*) on the northern Gulf of St. Lawrence stock of Atlantic cod (*Gadus morhua*). DFO Canadian Science Advisory Secretariat Research Document, 2007/066.

Book Chapters:

Nilsson, K., **Caskenette, A.**, Hartvig, M., Guill, C., and Soudijn, F. **In Press**. Book Chapter: Including the life cycle in food webs. *Food Webs: Science for Impact*. Cambridge University Press, Editors: de Ruiter, Wolters, Moore, McCann.

Rossberg, A., Rohr, R., Lever, J., **Caskenette, A.**, and Bersier, L.F., **In Press**. Book Chapter: Structural instability of food webs and food web models, *Food Webs: Science for Impact*. Cambridge University Press, Editors: de Ruiter, Wolters, Moore, McCann.

Magazine Articles

Farkas, T., Fucikova, K., **Caskenette, A.**, Cisneros, L., Median, R., Sezen, U., and Wade, E. **2015**, UConn BioBlitz 2015: Post-Blitz Report, *Connecticut Wildlife*.

Contributed Scientific Presentations and Workshops:

- 145th Annual Meeting of the American Fisheries Society 2015
- 99th Annual Meeting of the Ecological Society of America 2014
- 98th Annual Meeting of the Ecological Society of America 2013
- Organised Symposium and Workshop: Food Webs: Science for Impact 2013
- 142nd Annual Meeting of the American Fisheries Society 2012
- 8th Annual Graduate Student Symposium. 2012
- 96th Annual Meeting of the Ecological Society of America 2011
- LEREC Workshop: Dynamics of Aquatic Systems 2010
- Mathematical Models in Ecology and Evolution 2009
- ICES Annual Science Conference 2008

Press:

- Highlighted in University newspaper for contribution to Bioblitz event 2015
- Mentioned in Oikos Blog, "Blogging the ESA: Friday Highlights" 2011

Service, Committee Participation, Mentoring, and Community Outreach:

- **Reviewer – Grant Applications** 2015
SeaGrant
- **Reviewer – Journals** 2013 - 2015
Ecology, Canadian Journal of Fisheries and Aquatic Sciences, and Aquatic Biology
- **Co-founder** 2014 – Current
Inquisitive Citizen, Global Community
- **Executive Committee Member** 2015
UConn Bioblitz 2015
- **Graduate Student Member** 2012-2014
Integrative Biology Department Council
- **Undergraduate Student Mentor** 2009-2014
University of Guelph, Guelph Ontario
- **Speaker** 2013
Ignite Guelph 3, Guelph, Ontario
- **Planning Committee Member** 2010-2013
Graduate Student Symposium, Peter Yodzis Symposium, and
Canadian Society of Zoologists Annual Meeting
- **Invited Graduate Student Member** 2012
New Faculty Search Committee
- **Invited Graduate Student Member** 2010
Committee to Allocate Canadian Research Chair (CRC) Position