

James R. Watson

Education and Academic Positions

- 2014–now **Stockholm Resilience Centre, Stockholm University, Sweden.**
Forskare / Researcher
and Princeton University, USA.
Department of Ecology and Evolutionary Biology: Visiting Research Scholar
- 2011–2013 **Princeton University, USA.**
Department of Ecology and Evolutionary Biology: Post-doctoral Research Scholar
- 2006–2011 **University of California Santa Barbara, USA, Ph.D., Marine Sciences.**
- 2003–2004 **National Oceanography Center, Southampton, UK, M.Sc., Oceanography (Honors).**
- 1998–2001 **University of Bristol, UK, B.Sc., Biochemistry and Molecular Genetics.**

Awards and Funding

- 2014–2017 **Principal Investigator, Social-Environmental Research Network (SEReNe),** Stockholm University, Princeton University, University of Oslo, Ca' Foscari University of Venice (\$150,000), <http://www.princeton.edu/pei/initiatives/serene/>.
- 2012–2017 **Lead Investigator***, *NSF: Dynamics of Coupled Natural-Human Systems, Social-Ecological Adaptation and Complexity in Marine Systems*, Princeton University (\$1,500,000) *I was the principal author of the proposal, and currently lead the group, but at the time of funding I was too junior to be given a Principal Investigator title.
- 2011-2013 **Nippon Foundation Post-doctoral Fellowship, The Nereus Program in Climate and Fisheries Modeling,** Princeton University (\$180,000).
- 2008-2011 **NASA PhD Fellowship, Integrating Satellite Observations into Fisheries Science: Quantifying abiotic and in-flight biotic larval from ocean color,** University of California, Santa Barbara (\$200,000).

Key Publications

- In review **Watson JR** & Jonnson B. *The Timescales of Global Surface-Ocean Connectivity. Nature GeoSciences.*
- Tilman A, **Watson JR** and Levin S. *When Second Best is Best: Maintaining Cooperation in the Commons. Journal of Environmental Economics and Management (JEEM).*
- 2012-now **Watson JR**, Stock C, Sarmiento J. *Exploring the role of movement in determining the global distribution of marine biomass using a coupled hydrodynamic – size-based ecosystem model. Progress in Oceanography, 2014, DOI.10.1016/j.pocean.2014.09.001*
- **Watson JR**, BE Kendall, DA Siegel, S Mitarai. *Changing seascapes, stochastic connectivity and marine metapopulation dynamics. The American Naturalist, 2012, 180 (1) 990-112. Identified as important by the Faculty 1000: <http://f1000.com/717948573>.*
- 2009-2011 **Watson JR**, Siegel D, Kendall B, Mitarai S, Rassweiler A, Gaines S. *Identifying critical regions in small-world marine metapopulations. PNAS, 2011, 108(43) E907-E913.*
- **Watson JR**, Hays C, Raimondi P, Siegel D, Mitarai S, Dong C, McWilliams J, Blanchette C. *Currents connecting communities: a study of nearshore marine species in the Southern California Bight. Ecology, 2011, 92(6), 1193-1200.*
 - **Watson JR**, Mitarai S, Siegel D, Caselle J, Dong C, McWilliams J. *Realized and potential larval connectivity in the Southern California Bight. Marine Ecology Progress Series, 2010, 401, 31-48.*