

Daniele Spirandelli

A. Professional Preparation.

Clark University

*International Development & Social Change
B.A. 1996*

University of Washington

*Landscape Architecture
M.L.A 2003*

University of Washington

*P.h.D. (a.b.d.)
Urban Design & Planning 2014*

B. Appointments.

Fall 2012 – present

*Assistant Professor, Department of Urban &
Regional Planning & Sea Grant College Program
University of Hawai'i at Manoa*

C. Products.

Spirandelli, D. “Spatial Patterns of Wastewater Infrastructures Across a Gradient of Urbanization: A Study of the Puget Sound Region” Submitted in *Landscape and Urban Planning*

Spirandelli, D. 2013. “Patterns of Wastewater Infrastructure Across a Metropolitan Coastal Region.” Paper for the Association of Collegiate Schools of Planning – Association of European Schools of Planning Joint Congress (7/13).

Spirandelli, D. 2010. “Assessing land use, land cover, and wastewater infrastructure for shellfish in the Puget Sound near-shore.” Paper presented at the Center for Water Research Conference, University of Washington, Seattle, WA (5/10).

Spirandelli, D. 2008. “Landscape Change Analysis of Western Washington.” Paper for the South Sound Science Symposium, Tacoma, WA.

Alberti, M., Booth, D., Hill, K., Coburn, B., Avolio, C., Coe, S., and **Spirandelli, D.** (2007) “The impact of urban patterns on aquatic ecosystems: An empirical analysis in Puget lowland sub-basins.” *Landscape and Urban Planning* 80 (345-361).

Spirandelli, D., Younglove, L., Demmy-Bidwell, M., Alberti, M., Faustman, E., Fay, F., Drew, C., Judd, N., Newton, J., 2007, “Integrated Framework of Urbanization, Nearshore Ecosystem and Human Health Interactions: A Case Study of Dissolved Oxygen in the Hood Canal.” Paper for the Georgia Basin Conference, Vancouver, B.C.

Alberti, M., **Spirandelli, D.**, Greve, A. (2005) “Empirical Analysis of Impervious Surfaces in King County.” Professional report developed for King County Department of Natural Resources.

Spirandelli, D. and Alberti, M. (In preparation) “Urban Patterns and Environmental Performance: What Do We Know Now?”.

Spirandelli, D. (In Preparation) “The Role of Wastewater Infrastructure in Mediating Urbanization Impacts on Coastal Ecosystem Functions”.

D. Synergistic Activities.

Outreach and Extension

Extension Faculty, University of Hawai‘i Sea Grant College.

Innovations integrating science & policy

2009-2013 **Dissertation Research**

Urban Patterns in Near-shore Ecosystems: The distribution of wastewater disposal types across a gradient of urbanization in the Puget Sound, WA., funded by National Oceanic and Atmospheric Administration (NOAA).

2007 – 2008 **Research Assistant, Center for Obesity Research, University of Washington**
Seattle Obesity Study: A Cross Sectional Study on Food Environment, Diet Quality, & Disparity in Obesity, funded by the National Institute of Health.

2002 – 2006 **Research Associate, Urban Ecology Research Lab, University of Washington**
Landscape Composition and Configuration at the Basin and Sub-basin Level in Western Washington, funded by the E.P.A. Regional Geographic Initiatives, 2005.

Empirical Analysis of Impervious Surfaces in King County, funded by King County Department of Natural Resources and Parks, 2003.

Urban Pattern Metrics and Ecosystem Function, funded by Washington Department of Ecology, 2002.

The Impact of Urban Patterns in Aquatic Ecosystems: An Empirical Analysis in Puget Sound Lowland sub-basins, funded by the National Science Foundation, 2000

Service on Committees

UH Manoa Bachelors of Arts in Global Environmental Policy Committee

UH Manoa Sustainability Steering Committee

E. Collaborators & Other Affiliations.

(i) Collaborators.

Johnson, P. (University of Hawai‘i)

(ii) Graduate and Post Doctoral Advisors.

Alberti, M. University of Washington