Date: Thursday, June 4, 2009
Time: 3:30 pm
Location: Buchanan Hall 1930
Speaker: WILL MCCLINTOCK
   Associate Researcher and Director of MarineMap
   Marine Science Institute
   University of California Santa Barbara
   PhD: 2000, Ecology, Evolution and Marine Biology, UC Santa Barbara
Title: MarineMap: An Open-Source Web Tool for Participatory Marine Planning
Abstract: The California Marine Life Protection Act Initiative (MLPAI) is currently working toward establishing a network of Marine Protected Areas (MPAs) for the entire state. Since 2005, our group has developed several web-based decision support tools for stakeholders to visualize and analyze geospatial information within California state waters. In 2008, we released a new web-based decision support tool, called MarineMap, for stakeholders to (a) visualize geospatial data layers, (b) draw prospective MPA boundaries with attributed information, (c) assemble prospective MPA boundaries into arrays, (d) share MPA boundaries and arrays with other users, (e) generate graphs and statistics to evaluate MPAs based on science-based guidelines, and (f) share results with users in a place-based discussion forum. Based on Open Source technologies (OpenLayers, GeoServer, GeoDjango, Ajax, MapServer, Grass) the MarineMap decision support tool is freely distributed and modifiable for any area-based planning effort. I will demonstrate the major features of the tool and illustrate how it was used in the MLPAI, including its integration with existing ESRI-based technologies.

About the speaker: Will McClintock is Director of the MarineMap Consortium and a scientist at the University of California Santa Barbara, Marine Science Institute. Since 2005, his laboratory has provided the GIS-based decision support system for the California Marine Life Protection Act Initiative, including a comprehensive geospatial database of California state waters and webGIS applications. Dr. McClintock received a Ph.D. in Ecology, Evolution and Marine Biology from the University of California Santa Barbara, a M.S. in Behavioral Ecology from the University of Cincinnati, and a B.A. in Biology from Earlham College. His research focuses on participatory GIS and stakeholder-driven, multi-objective spatial planning.

For more information: http://marinemap.org/