

Biographical Sketch

Jennifer Gebelein, Department of Earth and Environment, Florida International University

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a. Professional Preparation:

Syracuse University, Department of Biology, Syracuse, NY

B.A., Biology, June 1994

Rosenstiel School of Marine and Atmospheric Science (RSMAS)/University of Miami, Department of Marine Affairs, Miami, FL

M.A., Marine Affairs, December 1996

Thesis: "A Spatial and Temporal Analysis of Twelve Species of Wading Birds in Florida Bay"

University of California, Department of Geography, Santa Barbara, CA

Ph.D., Geography, August 2001

Dissertation: "Validation of Three Land Cover Maps Utilizing Space Shuttle Photography and Landsat Thematic Mapper Imagery"

b. Appointments

Affiliated Research Professor, Department of Earth and Environment, Florida International University, (2009 - Present)

Assistant Director for Online & Web Management, College of Arts & Sciences, FIU (2009 - Present)

Assistant Professor, Department International Relations, Florida International University, (2001 to 2008)

Research Assistant, Department of Geography, U.C. Santa Barbara, (1997-2001)

Teaching Assistant, Department of Geography, U.C. Santa Barbara (1998-2000)

c. Selected Publications

Gebelein, J. 2012. "A Geographic Perspective of Cuban Landscapes", Landscape Series, Vol 15, Springer Press, Hardcover, ISBN 978-94-007-2283-5.

Gebelein, J. 2009. "Blending History with Geographic Information System Technology: Using USS Arizona GIS Data to Engage Students in Technology and History of the Pearl Harbor Attack." *Geography Compass*. DOI: 10.1111/j.1749-8198.2009.00269.x
US: <http://dx.doi.org/10.1111/j.1749-8198.2009.00269.x>.

Gebelein, J., 2005. "Integration of New Data Types with Historical Archives to Provide Insight into Ecosystem Change and Variability". Solicited peer-reviewed book chapter published in the Kluwer book series, volume titled *Remote Sensing of Aquatic Coastal Ecosystem Processes – Science and Management Applications*.

Gebelein, J., 2004. "Using Geographic Information Systems Software for Teaching and Learning". Solicited peer-reviewed book chapter published in the book titled *Integrating Technology in Higher Education*.

Other Significant Publications

- Shrivastava, R., and **Gebelein, J.** 2007. "Land cover classification and economic assessment of citrus groves using remote sensing imagery." *Journal of Photogrammetry and Remote Sensing*, Volume 61, Issue 5, pp. 341-353.
- **Gebelein, J.**, and Eppler, D. 2006. "How earth remote sensing from the international space station complements current satellite-based sensors." *International Journal of Remote Sensing*, Volume 27, Number 13, 10 July 2006, pp. 2613-2629(17)
- **Gebelein, J.** 2003. "Astronaut-Acquired Photography of Earth: Its History and Continued Applicability in Quantitative Analyses," *Journal of Space Communications*, Issue 3: <http://satjournal.tcom.ohiou.edu/pdf/gebelein.pdf>.
- Maynard, N.G.¹, Oskal², A., Turi², J.M., Mathiesen^{2,3}, S.D., Eira³, I.M.G., Yurchak¹, B., Etylin⁴, V., **Gebelein, J.**, 2009. "Impacts of Arctic Climate and Land Use Changes on Reindeer Pastoralism: Indigenous Knowledge & Remote Sensing". In *Eurasian Reindeer Pastoralism in a Changing Climate: Indigenous Knowledge & NASA Remote Sensing*, part of the NASA IPY edited by Dr. Garik Gutman.

d. Synergistic Activities

1. *Invited Participant.* 2011-2007 Summer Institute for National Security Studies (Instructor of GIS, GPS & Photo-interpretation). As part of Jack D. Gordon Institute summer outreach to high school teachers and minority students I developed hands-on exercises in the computer lab related to intelligence and national security issues; actively engaging students in learning about technology blended with geographic/cartographic skills.
2. *Invited Participant.* 2007 Joint NASA/NSF Conference for Higher Education Principal Investigators, Faculty, and Partners, Chantilly, VA.
3. *Invited Participant.* 2007 Geography of Latin America Teacher Training Workshop ("The History of Mapping" and "Photo Interpretation" Lectures and Tool for High School teacher).
4. *Online Teaching & Course Development.* Seven years experience in WebCT and Blackboard course development for: introduction to geography, introduction to GIS, and Imagine analysis courses. Both fully online and web-assisted. One year experience with Moodle-based teaching and 2nd Life course module development. Currently teaching and developing virtual reality teaching & learning modules for active learning experience.
5. *Web Design.* Advanced experience using Dreamweaver webpage development. Responsible for new web design creation, implementation, and maintenance, as well as the creation of research focused Cuba website with interactive imagery and data download capability. (http://www.fiu.edu/~gebelein/Cuba_website/index.html). Responsible for College of Arts & Sciences Web migration project for *all academic departments, programs and units* to new content management system and new website structure.

- **Graduate Advisors (PhD)**

John Estes, UC Santa Barbara
Leal Mertes, UC Santa Barbara
Keith Clark, UC Santa Barbara

- **Students Supervised (as Major Advisor)**

Danetzy Vargas (MA in International Relations) *completed 2008*

- **Students Supervised (as Committee Member)**

Brian Machovina (Phd Biology) *in progress*
David Toooh (Phd International Relations) *in progress*
Elyktra Eisman (Phd International Relations) *in progress*
Nora Oleas (Phd Biology) *completed august 2011*
Adriana Potra (Phd Geosciences) *completed 2011*
Seiichi Murasaki (MS Biology) *completed 2010*
Patricia Houle (MS Environmental Studies) *completed 2006*
Lindsey Waggoner (MS Environmental Studies) *completed 2006*
Sonia Hernandez-Cordon (MS Geosciences) *completed 2005*
David Velez (MS Geosciences) *completed 2004*
Alejandro Rosselli (MS Environmental Studies) *completed 2002*

- **Professional Affiliations**

Member: South Florida Geographers Association
Member: American Association of Geographers
Member: GIS Technology Committee
Member: IAFIE
Member: Explorer's Club
Associate: LTER Associate