

## CURRICULUM VITAE 2021

### 1 ACADEMIC AND PROFESSIONAL HISTORY

<b>Name</b>	Rosanna G. Rivero
<b>Present Positions</b>	Rado Family Foundation Professor of Geodesign Ph.D. Coordinator / Associate Professor
<b>Academic Degrees</b>	Ph.D. Interdisciplinary Ecology, University of Florida, 2006 Ms. Urban and Regional Planning, University of Florida, 2000 B.S. Urban Planning, Universidad Simón Bolívar, 1984
<b>Academic Positions</b>	
2021 – Present	Rado Family Foundation Professor of Geodesign / Ph.D. Coordinator, College of Environment and Design, University of Georgia
2018 – Present	Associate Professor, College of Environment and Design, University of Georgia
2012 – 2018	Assistant Professor, College of Environment and Design, University of Georgia
2009 – Present	Affiliated Faculty, Florida International University, SERC Southeast Environmental Research Center
2003 – 2006	Research Scientist, GIS Laboratory, Soil and Water Science Department, University of Florida, Gainesville, Florida, USA
1998 – 2000	Research Assistant, Geoplan Center, Department of Urban and Regional Planning, University of Florida, Gainesville
<b>Other Professional Employment</b>	
2007 - 2011	Natural Resource Planner/Geographic Information Specialist, Science Department, Everglades Foundation, Miami, Florida
2000 – 2006	Environmental Planner/ GIS Specialist, Center for Spatial Analysis, Florida Fish and Wildlife Conservation Commission, Wildlife Research Laboratory Gainesville, Florida.
1992 – 1997	Project Coordinator for Environmental Impact Studies, AmbioConsult C.A. Consulting Company, Caracas, Venezuela
1987 – 1992	Project Coordinator for Regional and Urban Studies, Orinoco-Apure Basin Program, Ministry of Environment, Caracas, Venezuela
<b>Professional Licenses or Certifications</b>	American Planning Association (APA) Georgia Planning Association (GPA) Urban and Regional Information Systems Association (URISA) Fulbright Alumni Association

## 2 TEACHING

### Resident Instruction - UGA College of Environment and Design

PLAN 6520 Environmental Planning Studio I 2012-Present  
PLAN 6560, Environmental Planning Studio III  
LAND 6900/ PLAN 6950, Research Strategies  
EDES 8020, Research Techniques in Environmental Design and Planning (Ph.D.)  
EDES 6280E, Environmental Design Uses of Geographic Information Systems  
EDES 8030, Technology in Environmental Design and Planning  
PLAN 6124, Ethics and Professional Practice

### New Course Development

2018 Coastal Regional Studio, part of UGA International Geodesign Collaboration (IGC), University of Georgia, United States  
2018 First-Year Odyssey (FYO): Spatial Thinking—Google Maps and Beyond  
2018 Online Summer Advanced Geographic Information Systems (GIS) (EDES6270E), University of Georgia. UGA Online Teaching Fellowship.  
2017 Ph.D. courses in Research Methods (EDES8020) and Technology (EDES8030)

### Grants Received for Instruction

2013-2015 UGA Online Teaching Fellowship Award (3-year award \$ 18,000). Objective: to develop and implement a Summer Online Course in Geographic Information Systems for Environmental Planning.

### Other Teaching Activities

2013-2014 Participant in UGA Faculty Learning Communities (FLC)  
2013 UGA Participant in Faculty workshop on Engaging the Public

### Past Teaching Affiliations

2010 Florida International University, Miami, Fall 2010 (Adjunct Faculty)  
Sustainable Communities, Urban Ecology and Climate Change (ISS 5166/BSC 5935, 3 credits)  
Funded by Ex ULTRA, National Science Foundation Grant.  
2010 Florida Earth Foundation, Spring 2010. Introduction to South Florida and the Everglades  
Region: Introduction to Florida Module  
2007 Affiliated faculty with SERC (Southeast Environmental Research Center) at Florida International  
University, Miami, Florida  
2003- 2005 University of Florida, Gainesville, Soil and Water Science Department  
GIS in Land Resource Management, SOS 5720C (Teaching Assistant and Guest lecturer)  
2003-2004 University of Florida, Gainesville, Soil and Water Science Department  
GIS Summer Courses and off-campus and on-campus teaching assistance

### Peer-reviewed Papers in Published Conference Proceedings on Teaching

\* **Rivero, R.G.** & F. Buchanan. 2014. Designing and Implementing an Online Technology Course: an Advanced Geographic Information Systems (GIS) online course. INTED 2014 Conference Proceedings. Valencia, Spain.

### 3 RESEARCH AND CREATIVE ACTIVITIES

#### a. PUBLICATIONS

##### Chapters in books

- Smith, A.L., **Rivero, R.G.**, and R.A. Vick. 2020. Exploring adaptation challenges and collaborative solutions in a USA Coastal Region through Geodesign. In Steinitz, Fisher, and Orland (Editors). *The International Geodesign Collaboration: Changing Geography by Design*. ESRI: Redlands, CA.
- Rivero, R.G.**, Smith, A.L., and M. Alfonso. 2020. Resilience in coastal regions: the case of Georgia, USA. In Steinberg, S.L. and S. Steinberg *GIS Applications for Resilience: Across Spatial Geographies*. Environmental Systems Research Institute, Inc. (Esri): Redlands, CA.
- Grunwald S., G.M. Vasques and **R.G. Rivero**. 2015. Fusion of soil and remote sensing data to model soil properties. In: Sparks, D.L. (Ed.), *Advances in Agronomy*, Vol. 131, pp. 1–109.
- Grunwald S., **R.G. Rivero** and K.R. Reddy. 2007. Understanding spatial variability and its application to biogeochemistry analysis. pp. 435-462 (chapter 20). In Sarkar D., Datta R. and R. Hannigan (eds.), *Environmental Biogeochemistry - Concepts and Case Studies*, Elsevier.

##### Peer-reviewed journal articles

- Ordway, E. M., A. J. Elmore, S. Kolstoe, J. E. Quinn, R. Swanwick, M. Cattau, D. Taillie, S. M. Guinn, K. D., Chadwick, J. W. Atkins, R. E. Blake, M. Chapman, K. Cobourn, T. Goulden, M. R. Helmus, K. Hondula, C. Hritz, J. Jensen, J. P. Julian, Y. Kuwayama, V. Lulla, D. O’Leary, D. R. Nelson, J. P. Ocón, S. Pau, G. E. Ponce-Campos, C. Portillo-Quintero, N. G. Pricope, **R. G. Rivero**, L. Schneider, M. Steele, M. G. Tulbure, M. A. Williamson, and C. Wilson. 2021. Leveraging the NEON Airborne Observation Platform for socio-environmental systems research. *Ecosphere* 00(00): e03640. 10.1002/ecs2.3640
- Fragomeni, Mariana B.A., Sergio Bernardes, J. Marshall Shepherd, and **Rosanna Rivero**. 2020. “A Collaborative Approach to Heat Response Planning: A Case Study to Understand the Integration of Urban Climatology and Land-Use Planning.” *Urban Climate* 33 (September): 100653. <https://doi.org/10.1016/j.uclim.2020.100653>.
- Rivero, R. G.**, Grizzle B. J., Mahmoudi, M., McVoy, C., Naja, G. M., and T. Van Lent. 2020. A historical perspective on water levels and storage capacity of Lake Okeechobee, Florida: pre- and early drainage periods. *Annals of the American Association of Geographers*, 110:1, 242-258, DOI: 10.1080/24694452.2019.1625745
- Fragomeni, M. B. A., J. L. Rice, **R. G. Rivero**, and J. M. Shepherd, 2019. First Policy, then Action: A Co-Production Approach to Understand the Application of Urban Climate Knowledge in Land Use Planning. *J. Extreme Events*, 2050005, <https://doi.org/10.1142/S2345737620500050>.
- Fragomeni, M.B.A., Shepherd, J. M., and **Rivero, R.G.** 2018. Integrating Planning and Climate: A Collaborative Framework to Address Heat Vulnerability. *Urban Climate News, Newsletter from the International Association for Urban Climate*, 20-24.
- Rivero, R.G.**, Smith, A, Ballal, H., Steinitz, C., Orland, B., McClenning, L., Calabria, J., Perkl, R., and H. Key. 2018. Experiences in Geodesign in Georgia, USA. *Experiencias en Geodiseño en Georgia, Estados Unidos Disegnarecon*. Vol 11, No 20.
- Rivero, R. G.**, Smith, A., Ballal, H., & Steinitz, C. 2015. Promoting Collaborative Geodesign in a Multidisciplinary and Multiscale Environment: Coastal Georgia 2050, USA. In Buhmann, E., Ervin, S. M. & Pietsch, M. (Eds.). *Peer Reviewed Proceedings of Digital Landscape Architecture 2015 at Anhalt University of Applied Sciences*. (pp. 42-58). Dessau, Germany.
- Zapata-Rios, X., **Rivero, R. G.**, Naja, G. M., & Goovaerts, P. 2014. Reply to comment by John M. Juston et al. on “Spatial and temporal phosphorus distribution changes in a large wetland ecosystem.” *Water Resources Research*, 50(6), 5367–5371.
- Kim J., S. Grunwald and **R.G. Rivero**. 2014. Soil phosphorus and nitrogen predictions across spatial escalating scales in an aquatic ecosystem using remote sensing images. *IEEE Trans. on Geoscience and Remote Sensing J.*: 52(10): 6724-6737.
- Blanco, I.R. Naja, G.M., **Rivero, R.G.** and R.M. Price. 2013 (2013). Spatial and temporal changes in groundwater

- salinity in South Florida. *Applied Geochemistry*, 38:48–58.
- Zapata-Rios, X., **R. G. Rivero**, G. M. Naja, and P. Goovaerts (2013), Reply to comment by Julian on “Spatial and temporal phosphorus distribution changes in a large wetland ecosystem”, *Water Resources Research*, 49: 2314-2315.
- Corrales, J., G. M. Naja, **R. G. Rivero**, F. Miralles-Wilhelm, and M. G. Bhat. 2013. “Water quality trading programs towards solving environmental pollution problems: water quality trading programs and environmental pollution.” *Irrigation and Drainage* 62, no. S2 (December 2013): 72–92.
- Zapata-Rios, X., **Rivero, R.G.**, Naja, G., and Goovaerts, P. 2012. Spatial and Temporal Phosphorus Distribution Changes in a Large Wetland Ecosystem. *Water Resources Research*, 48: 9512.
- Kim J., S. Grunwald, **R.G. Rivero** and R. Robbins. 2012: *Soil Science Society of America Journal*. Multi-scale modeling of soil series using remote sensing in a wetland ecosystem. *Soil Sci. Soc. Am. J.* 76: 2327-2341.
- Chebud, Y., Naja, G. M., **Rivero R. G.** and Assefa M. Melesse. 2012. Water Quality Monitoring Using Remote Sensing and an Artificial Neural Network. *Water, Air, & Soil Pollution* 223: 23:4875–4887.
- Corrales J, Naja G.M., Dziuba C., **Rivero R.G.**, Orem W. 2011. Sulfate threshold target to control methylmercury levels in wetland ecosystems. *Sci Total Environ*, May 1;409(11):2156-2162.
- Chebud, Y., Naja, G. and **Rivero, R. G.** 2011. Phosphorus run-off assessment in a watershed: from monitoring to modeling through a case study. *Journal of Environmental Monitoring*, 13: 66-73.
- Naja, G., **Rivero, R.**, Davis, S. and Van Lent, T. 2010. Hydrochemical effects of limestone rock mining. *Water, Air, and Soil Pollution*, 217, 1, 95-104..
- Rivero R.G.**, S. Grunwald, M. W. Binford and Todd Z. Osborne. 2009. Integrating spectral indices into functional models to predict soil phosphorus in a subtropical wetland. *Remote Sensing of Environment* 113: 2389-2402.
- Rivero R.G.**, S. Grunwald and G.L. Bruland. 2007. Incorporation of spectral data into multivariate geostatistical models to map soil phosphorus variability in a Florida wetland. *Geoderma* 140: 428–443.
- Rivero R.G.**, S. Grunwald, T.Z. Osborne, K.R. Reddy and S. Newman. 2007. Characterization of the spatial distribution of soil properties in Water Conservation Area -2A, Everglades, Florida. *Soil Science* 172(2): 149-166
- Delany, M. F., M. B. Shumar, M. E. McDermott, P.S.Kubilis, J.L. Hatchitt, and **R.G.Rivero**. 2007. Florida Grasshopper Sparrow distribution, abundance, and habitat availability. *Southeastern Naturalist* 6:15-26.

#### **Peer-reviewed Abstracts in Published Conference Proceedings**

- Rivero, R.G., Smith, A., Orland, B., Calabria, J., Ballal, H., Steinitz, C., Perkl, R., McClenning, L. and H. Key. 2016. Multiscale and multijurisdictional Geodesign: The Coastal Region of Georgia, USA. *Geodesign Summit Europe*. Delft, The Netherlands.
- Rivero, R.G. and Yilmaz, U. 2016. Re-introducing the Studio Culture into Planning Programs in the USA: Lessons Learned from Three Environmental Planning and Design Studios. IV World Planning Congress, Rio De Janeiro, Brazil. <http://www.wpsc2016.com.br/proceedings.html>
- Agrawal, S., Yilmaz, U., and Rivero, R. G. 2015. Comprehensive definition of "resilience" in urban planning. Resilience Conference. Karadeniz Technical University, Trabzon, Turkey.
- Rivero, R.G., Zapata-Rios, X., Naja, G.M., and P. Goovaerts. 2013. The Everglades ecosystem: 12 years of changes in water quality. American Association of Geographers (AAG) Annual Meeting, Los Angeles.
- Rivero, R.G., Grizzle, J.B., and M. Mahmoudi. 2010. Reconstructing the pre-drainage history of Lake Okeechobee, Florida: applications of GIS, geostatistics and 3D visualization for historical research. American Association of Geographers (AAG) Annual Meeting, Washington, DC.
- Childers, D., Davis, S., Engel, V., Gaiser, E., Harvey, J., Krueger, J., Lodge, T. Miralles-Wilhelm, F., Naja, G. , Osborne, T. , Rivero, R., Ross, M., Trexler, J. , Van Lent, T. Wetzel, T. 2010. Everglades Science in Support of Restoration – Synthesis of Everglades Restoration and Ecosystem Services (SERES). Greater Everglades Ecosystem Restoration Conference Proceedings.
- Grunwald, S., Bruland, G. L., Corstanje, R., Rivero, R.G., Goovaerts, P., and K. R. Reddy. 2008. Landscape Models for Spatial Upscaling of Biogeochemical Parameters. Symposium on Biogeochemistry and Water Quality of the Greater Everglades: Fate and Transport of Nutrients and Other Contaminants – Greater Everglades Ecosystem Restoration Conference, Naples, FL, July 28-Aug. 1, 2008 (invited talk).

- Rivero, R.G., Grunwald, S., Binford, M. W., Osborne T.Z., and K. R. Reddy. 2008. Applications of Remote Sensing and Multivariate Geostatistics in Order to Improve Spatial Modeling of Soil Phosphorus Predictions in Wetland Areas Study Case: WCA-2A, Everglades. Greater Everglades Ecosystem Research (GEER) Conference, Naples, FL.
- Rivero R.G., S. Grunwald, M.W. Binford, T.Z. Osborne, and K.R. Reddy. 2008. Applications of remote sensing and multivariate geostatistics in order to improve spatial modeling of soil phosphorus predictions in wetland areas. Study case: WCA-2A, Everglades. Symposium on Biogeochemistry and Water Quality of the Greater Everglades. Greater Everglades Ecosystem Restoration Conference, Naples, FL, July 2008.
- Rivero R. G., S. Grunwald, G.L. Bruland, M.W. Binford, K.R. Reddy, T.Z. Osborne and S. Newman. 2007. Spectral inferential modeling of soil phosphorus using hybrid geostatistical methods. ASA-CSSA-SSSA Meeting, New Orleans, LA 2007
- Rivero R.G., S. Grunwald, and K.R. Ramesh. 2007. Development of predictive models of soil phosphorus in Water Conservation Area-2A (Everglades, Florida, USA) integrating GIS, remote sensing and geostatistics. 10th International Symposium on Wetland Biogeochemistry - Frontiers in Biogeochemistry. Annapolis, Maryland.
- Rivero R.G., S. Grunwald, T.Z. Osborne, S. Newman, K.R. Reddy. 2005. Comparative analysis of hybrid geostatistical methods for advanced soil mapping in WCA-2A, Everglades, Florida. ASA-CSSA-SSSA Meeting, Salt Lake City, UT.
- Rivero R.G., S. Grunwald, S. Newman, T.Z. Osborne and K.R. Reddy. 2005. Incorporation of ASTER satellite imagery into multi-variate geostatistical models to predict soil phosphorus. Pedometrics 2005 - International Meeting / Int. Union of Soil Sciences. Naples, Florida, Sept. 2005. (3rd place student award competition)
- Grunwald S., R. Corstanje, G.L. Bruland, T.Z. Osborne, R.G. Rivero, S. Newman and K.R. Reddy. 2005. Geospatial mapping of soil total phosphorus in the Greater Everglades ecosystem. 9th Int. Symposium on Biogeochemistry of Wetlands. Baton Rouge, LA, March 20-23, 2005
- Grunwald S., G.L. Bruland, R. Corstanje, R.G. Rivero, K.R. Reddy, T.Z. Osborne and S. Newman. 2005. Geostatistical modeling of soil property variability within the Greater Everglades ecosystem. 20th Annual Symposium, U.S. Regional Ch. of the Int. Assoc. for Landscape Ecology, Syracuse, March 2005
- Rivero R.G., S. Grunwald, T.Z. Osborne, S. Newman and K.R. Reddy. 2004. Application of soil mapping and modeling efforts in WCA2 integrating GIS, geostatistics and remote sensing techniques. National Conference on Ecosystem Restoration, Lake Buena Vista, FL, Dec. 2004
- Meylan, A. B., E. W Blair., B. Brost.,, R.G.Rivero, R. and P. S. Kubilis. 2006. Sea turtle nesting in Florida, USA: Assessments of abundance and trends for regionally significant populations of caretta, chelonia, and dermochelys. In: Frick, M., Panagopoulou A., Rees A. F. and K. Williams (Ed). 2006. Book of Abstracts. Twenty Sixth Annual Symposium on Sea Turtle Biology and Conservation. International Sea Turtle Society, Athens, Greece. 376 pp.

### **Bulletins or reports**

- 2018 Rivero, R., & Ballal, H.. McIntosh County Ecotourism: Development & Education GeoDesign Workshop. Prepared for the Coastal Regional Commission of Georgia
- 2018 Deerwood Lake Planning Studio Report. Prepared for the Deerwood Lake Homeowner community and The Nature Conservancy. Environmental Planning Studio I. Professors: Rivero, R., Yilmaz, U., & Crowley, J.
2014. McIntosh and Glynn County Regional Plan. December 2014. University of Georgia, College of Environment and Design, Master in Environmental Planning and Design. Environmental Planning Studio I. Prepared for the Coastal Regional Commission of Georgia.
2014. Hazard and Resilience Plan for the Coast of Georgia. February 2014. University of Georgia, College of Environment and Design, Master in Environmental Planning and Design. Environmental Planning Studio I. Prepared for the Coastal Regional Commission of Georgia.
2011. Review of Everglades Science, Tools and Needs, related to key Science Management Questions. SERES Project (Synthesis of Everglades Research and Ecosystem Services). A report produced by the Everglades Foundation for the Critical Ecosystems Studies initiative National Park Service.

2005. Everglades Soil Mapping Project. Report by the Soil and Water Science GIS Lab at University of Florida to the South Florida Water Management District (Funding agency), West Palm Beach, Florida
2003. Florida Fish and Wildlife Conservation Commission (FWC). Support to Bald Eagle Population Monitoring to Fish and Wildlife Service by Scott Nesbitt
2003. Bejleri, I., Zwick, P., Thomas, A. and Rivero R.G. Trends in geospatial data sharing and distribution: Florida Geographic Data Library, case study. University of Florida, Geoplan Center (Unpublished material)
1996. Environmental Impact Assessment Las Cristinas Mining Project. AmbioConsult, Venezuela, for Placer Dome. Ayarzagüena, J., Rivero, R., and Pérez, S. 1991 Proyecto para el Ordenamiento y Desarrollo del Ecoturismo en los Llanos de Venezuela. (Project for the development of Ecotourism in the Llanos de Venezuela). Proposal of Technical Cooperation for the European Economic Community. Corporación de Turismo de Venezuela, Caracas, Venezuela
1987. Rivero, R. Sistema de Centros Poblados del Eje Orinoco-Apure. (Urban Settlement System for the Orinoco-Apure Region). Ministry of Environment Orinoco-Apure Program, Caracas, Venezuela

### **Press, online articles and other Media**

2019. NASA Explore Earth: Space for U.S. Guiding Green Development in the Everglades. <https://www.nasa.gov/SpaceforUS/stories/fl.html>
2017. UGA Focus on Faculty: Assistant professor Rosanna Rivero and her students in the College of Environment and Design use advanced geospatial tools to help communities plan for the future. In publication @ <http://uga.edu/faculty/directory/>
2016. Thriving Earth Exchange (TEX), by the American Geophysical Union (AGU). The Nature Conservancy and NASA DEVELOP See Atlanta's Urban Forests for Its Trees: GIS decision maps form roots for conservationists' long view for community resilience. Ben Young Landis. Available at: <http://thrivingearthexchange.org/text-stories/nature-conservancy-nasa-develop-see-atlantas-urban-forests-trees/>
2016. NASA Develop Atlanta Project presented in Washington and highlighted in several media. NASA Tumblr. 6 Ways Earth Observations Tackle Real-World problems. 2016 <http://nasa.tumblr.com/post/148844007189/6-ways-earth-observations-tackle-real-world>
2015. UGA Columns. PSO Faculty Fellow works to better prepare coastal Georgia for natural disasters. Angela Seal. September 28, 2015. Available at: <http://columns.uga.edu/news/article/pso-fellow-works-to-better-prepare-coastal-georgia-for-natural-disasters/>.
2015. UGA College of Environment and Design Newsletter. Steinitz at UGA. Featuring the Geodesign workshop led by professor Carl Steinitz, and coordinated by Rosanna Rivero, with a team of CED/UGA faculty, that occurred in Athens, GA, January 26-28.
2014. NASA Develop Program, featured in Earthzine. Video Interview as Project Advisor, featured at: <http://www.earthzine.org/2014/08/03/exploring-a-sustainable-coexistence-between-miami-and-the-everglades/> and <http://www.earthzine.org/2014/03/30/finding-the-greenest-way-a-sustainable-coexistence-between-miami-and-the-everglades/>
2013. Water Resources Research Journal. Article highlighted by the American Geophysical Union (AGU) editorial office / Journal Highlight Editor: Zapata-Rios, X., Rivero, R.G., Naja, G., and Goovaerts, P. 2012. Spatial and Temporal Phosphorus Distribution Changes in a Large Wetland Ecosystem.
2013. Georgia Landscape Magazine. Filtering the Everglades. Highlights the results from the 2012 Environmental Planning Studio in the Everglades, Florida. Available at: <http://www.ced.uga.edu/glm/2013/GLM2013.html>.
2013. Water Resources Research Journal. Article highlighted by the American Geophysical Union (AGU) editorial Journal Highlight Editors's section. Zapata-Rios, X., Rivero, R.G., Naja, G., and Goovaerts, P. 2012. Spatial and Temporal Phosphorus Distribution Changes in a Large Wetland Ecosystem.
- 2015 – Sylvania Telephone (November 19, 2015). “UGA Facult and Student Group details Plan Memorial for Battle of Brier Creek”. Enoch Autry.
- 2009 - BBC Mundo (Video) on Everglades Restoration
- 2009 - El Pais (Newspaper- Special Edition, Spain, July 2009)
- 2009 - El Mercosur Argentina (Newspaper, June 2009)

### **TV invited guest**

2011. VME TV (Hispanic version of CNN Spanish), "Oppenheimer Presenta" (Oppenheimer Presents) Miami, November, 2011. Program "Los Desafios del Ciudadano 7.000 Millones" (Challenges of citizen 7,000 million)
- 2012 -AmericaTeVe-Canal 41, Program "A Mano Limpia", conducted by Oscar Haza and produced by Vilma Petrash
- 2009 Univision, Program "Ahora en tu Comunidad" (Now in your community), conducted by Silvia Parissi. (TV)

### **b. CREATIVE CONTRIBUTIONS OTHER THAN FORMAL PUBLICATIONS**

#### **Maps**

- 2011 – Supervised production of online mapping application "Everglades Explorer", Everglades Foundation web map, developed with ArcGIS, Adobe Flex, ActionScript, Illustrator, and Google Maps API for Flash
- 2011 – Everglades 2011 Satellite Regional Image (Image mosaic of 6 Landsat NASA Satellite Image)
- 2006 – Historic Everglades Map (Harshberger) (Produced from digitizing 1913 Harshberger Phytogeographic Regions Map, supervised two graduate students from Florida International University and University of Miami). Presented at 2009 NACIS conference in Sacramento, California, and 2009 South Florida GIS Expo, with first place poster contest award.

#### **Design and Planning Documents**

2010. Assessment of Best Management Practices in Northern Everglades. Everglades Foundation Report to the Board. Everglades Foundation, Miami, FL.
2011. Quantitative analysis to identify areas of potential wetland restoration North of Lake Okeechobee. Everglades Foundation, Miami, FL.
2009. Spatial analysis to support land use and growth management strategies in the East and Southwest coast of Florida; topographic reconstruction of restoration associated with C-111 spreader canal and Biscayne Bay Coastal Wetlands. Everglades Foundation, Miami, FL.
2007. Evaluation of alternatives for a Southern Glades land acquisition strategies. Everglades Foundation, FL.

#### **Projects**

##### **International Geodesign Collaboration (IGC), January 1, 2018–Present**

Co-contributor(s): Smith A; Rivero R; Vick R

Improving Our Global Infrastructure: an International Geodesign Collaboration <https://www.envizz1.com/>

##### **Atlanta Water Resources III, September 1, 2017–January 1, 2017**

Co-contributor(s): Rivero RG; Madden M; Cameron C

NASA Develop Project with Department of Geography and UGA Geospatial ResearchCenter. Title: Identifying Key Urban Areas to Reduce Stormwater Runoff and Maximize Conservation Efforts in Metropolitan Atlanta

##### **UGA Coastal Geodesign Workshop, January 1, 2016–May 1, 2016**

Co-contributor(s): Smith AL; Rivero R; Orland B; Calabria J

##### **Everglades Restoration Projects 2006-2011**

Co-contributor: Naja, N, Van Lent, T., Davis, S. Grizzle, B.

### **c. GRANTS AND OTHER FUNDED RESEARCH**

#### **Grants and Funding Received or Pending**

- 2020: NSF Research Coordination Network (RCN).
- 2018: UGA Laboratory Enhancement Fund, Office of the Vice President for Information Technology (VPIT)., November 1, 2018–Present, Amount: \$ 79,114 (US), Funding type: Research
- 2018: McIntosh County Ecotourism: Development & Education GeoDesign Workshop (FP00014913), COASTAL REGIONAL COMMISSION GA, July 1, 2018–December 31, 2018, Amount: \$ 6,000 (US), Role: Principal investigator of, Credit: 100%, Application date: June 25, 2018, Award date: September 25, 2018, Funding type: Public service and outreach
2017. Altamaha WMA Feasibility Study (FP00011338) NATURE CONSERVANCY THE, September 15, 2016–June 14, 2017 Amount: \$ 8,000 (US), Role: Principal investigator of, Credit: 100%, Application date:

April 25, 2017, Funding type: Public service and outreach

2016: Coastal Regional Commission of Georgia. Coastal Geodesign Project: Planning for the Future of Coastal Georgia . \$ 15,000 (through grant from Department of Community Affairs)

2016: LACSI Ambassador Faculty Travel Grant /Department of Education Title IV - Faculty Travel Grant. \$2,000

2016: NASA Develop Program. "Atlanta Water Resources", January - November 2016 (3 Terms). In collaboration with UGA Geospatial Center (Co-advisor with Dr. Marguerite Madden) and The Nature Conservancy. Students internship value: \$ 48,000

2016: National Fish and Wildlife Foundation (NFWF) – Five Star Restoration Program (Invited partner by Coastal WildScapes and City of Midway for Cay Creek Wetland Park). Total amount: \$ 70,596. UGA CED: \$3,362.00

2014: University of Georgia. Public Service and Outreach Fellowship. \$ 15,000.00

2014: NSF Urban Climate Institute, Invited Participant. Georgia Institute of Technology, Atlanta. July \$ 500

2014: UGA/CED Provost Summer Research Grant. \$5,000.00

2014: NASA Develop Program. "Miami-Dade Western Greenway Modeling Project" January – August 2014. Collaboration with Miami-Dade County and Trust for Public Lands. Students internships.\$ 48,000.00

2013: Coastal Regional Commission of Georgia. Integrating Hazard Mitigation into Regional Planning. \$ 5,500.00

2014: National Fish and Wildlife Foundation (NFWF) – Five Star Restoration Program (Invited partner by Coastal WildScapes and City of Midway for Cay Creek Wetland Park). Total amount: \$ 70,596. UGA CED: \$3,362.00

2013: UGA/CED Summer Research Grant. \$5,000.00

2013: Southeast Conference (SEC) Visiting Faculty Travel Grant. Objective: to develop collaborations with University of Florida for International grants for geospatial technology applications in Latin America. \$2,500.00

2013: LTER (Long Term Ecological Research) Maps and Locals Workshop (NSF sponsored traveling and training workshop on the development and advancement of tools for documenting local ecological knowledge in spatial analysis systems), March 22-25 2013, Boulder, Colorado. \$ 1,500.00

2012: Florida International University, Southeastern Environmental Research Center. GIS and geostatistical analyses for Everglades Protection Area soil and vegetation nutrient mapping and impact threshold analysis. Amount: \$2,000

2012: University of Georgia Online Fellows Award. Objective: to develop and implement a Summer Online Course in Geographic Information Systems for Environmental Planning and Management. \$16,000.00

2010-2011: National Park Service. "A synthesis of more than 20 years of freshwater Everglades research" (Co-Principal Investigator; National Park Service, USA). \$900,000.

2009-2011: "Ten Years of Vegetation Changes in the Coastal Everglades with SPOT satellite imagery" (Planet Action Program, SPOT, Toulouse, France). (satellite imagery and software). \$ 20,000

2008-2010 – Environmental Systems Research Institute (ESRI) Conservation Grant, Everglades Foundation, US (in software and in-kind contributions). \$ 15,000

2010-2011: Google Earth Pro Grant for Non-Profit Organizations (in software in-kind contribution). \$ 400

2007-2009. Batchelor Foundation. Development and implementation of the Everglades Foundation Geographic Information System (GIS) Program. \$ 80,000.

2006: NSF Computational Science for Natural Resource Managers, Knoxville, Tennessee. \$1,500

2001-2003: "Development and maintenance of a GIS Database of Trails and Recreational Facilities in Wildlife Management Areas, Nature-Based Recreation Program" (Co-Principal Investigator, Florida Fish and Wildlife Conservation Commission): Principal Investigator: Dr. Paul Zwick, University of Florida. \$42,000

### **Grants Applied (not funded)**

2019: UGA Presidential Seed Grant. Secure and Privacy-Aware AI Frameworks for Stronger and Sustainable Communities. PI: Lakshmish Ramaswamy. Role: Co-PI. Amount requested: N/A

2017: NSF INCLUDES (Inclusion Across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science): Design and Development Launch Pilot. Using geospatial science and technology to engage underrepresented youth in STEM fields. PI: R. Rivero, D. Mishra, E. McDonald. Amount: \$ 300,000.



- 2016: NSF NRT-IGE: Wicked Problems, Resilient Solutions for Coastal Impacts of Climate Change. PI: B. Orland (UGA-CED), M. Madden (UGA-Geography). Amount requested: \$499,723
- 2016: Housing and Demographics Research Center (HDRC), Faculty Housing Research Program. Evaluating Housing Allocation Models to implement in current Geodesign Planning Efforts in Georgia.
- 2015: NASA MUREP (Minority University Research and Education Program). Strengthening geospatial literacy in underrepresented minority youth in Georgia and Florida. PI: R.G. Rivero, CoPIs: D. Mishra (UGA), H. J. Cho (Bethune-Cookman University), and J. Papajorgji (U. of Florida). Amount requested: \$ 479,918
- 2015: Georgia Sea Grant. An integrative approach to planning for coastal cities in Georgia: Evaluating scenarios for urban climate interactions and impacts to ecological and human health. PI: R. Rivero, CoPI: M. Shepherd. Amount requested: \$131,632
- 2014: CTL Learning Technologies Grant. A New City and Regional Planning Research Laboratory with improved technology tools. University of Georgia, Center for Teaching and Learning. PI: Rosanna Rivero, Umit Yilmaz, CoPI: Jack Crowley, Stephen Ramos. \$,9,900.00
- 2014: NSF Sustainability Research Networks (SRN): Cities at Risk. PI: Marshall Shepherd. Amount: \$2,992,563
- 2014: Georgia CIG (Coastal Incentive Grant): Evaluation and Development of Bioclimatic Urban Design Strategies, Guidelines, and Performance Measures in McIntosh County, GA. CoPI: M. Shepherd (Geography, UGA). Amount: \$ 87,753.
- 2013: Toyota Foundation - Improving geospatial technology literacy among teachers: A program to increase STEM related disciplines (2 years). PI: J. Papajorgi (U.of Florida), CoPIs: R.Rivero UGA; D. Mishra. Total amount: \$200,205
- 2013: UGA Faculty Research Cluster. Development of a geospatial science based international curriculum for providing integrated teaching of spatial literacy and resource management to K-12 student. PI: R. Rivero, CoPI: D. Mishra (UGA) and J. Pararjorgji (U. of Florida). Amount: \$23,390.00.
- 2013: UGA Faculty Research Grants in Humanities. Integrating research and outreach/education on environmental and geospatial topics in a Latin-American rural region. PI: R. Rivero, CoPIs: J. Pararjorgji (U. of Florida), and Ecological Station Guáquira, Venezuela. \$ 12,202
- 2013: USA EPA Star. A framework for nutrient trading in the Coosa River Basin, GA, as part of a Center for Sustainable Water and Nutrient Program. PI: Rosanna Rivero. S 247,598

#### **d. RECOGNITIONS AND OUTSTANDING ACHIEVEMENTS**

##### **Professional Awards and Honors**

- 2021 Rado Family Foundation Professor of Geodesign
- 2019 University of Georgia Provost Task Force on Academic Excellence
- 2018 UGA LACSI Ambassador Travel Award - Summer of 2018
- 2017 UGA College of Environment and Design Teacher of the Year Award
- 2016 NADO (National Association of Development Organizations) Innovation Award, to the Coastal Regional Commission of Georgia for collaborative project on Coastal Geodesign project.
- 2016 NASA Develop National Program, Recognition as advisor/contributor to the Atlanta Water Resources Project.
- 2015 UGA Career Center. Recognition for contribution to the career development of UGA students. December 2015
- 2014 UGA Public Service and Outreach Fellowship
- 2014 NASA Develop National Program, Recognition as advisor/contributor to the Miami-Dade Ecological Forecasting II Project.
- 2014 UGA Career Center. Recognition for contribution to the career development of UGA students. December -April, 2014.
- 2013 Online Teaching Fellow, Center for Teaching & Learning, UGA
- 2005 3rd Pedometric 2005 - International Meeting of Commission 1.5 of the Int. Union of Soil Sciences, Naples, Florida, 3<sup>rd</sup> place in student award competition.
- 1999 - Outstanding Academic Achievement Award, Office of International Studies, University of Florida,

- 2002 International Center  
1998 Fulbright Scholarship Award. Energy for the XXI Century. Cosponsored by Fulbright/ Department of State and PDVSA. Caracas, Venezuela.

#### **e SUPERVISION OF STUDENT RESEARCH**

##### **University of Georgia**

###### **Doctoral**

**Alfonso M**, PhD in Integrative Conservation and Geography, Franklin College of Arts and Sciences, University of Georgia. Graduated: Summer 2019

Co-advisor: Professor Marshall Shepherd, Department of Geography, UGA

*Dissertation: When Cities Plan for Heat Health Impacts: A Collaborative Framework to Integrate Planning and Climate* <http://icon.uga.edu/people/profile/?pdb=55>

**Abdouni L**, PhD Candidate in Environment and Design, University of Georgia. Expected graduation: 2020

Co-advisor with Professor John Crowley

*Complete Corridor Planning in Lebanon* (In progress)

Student Awards/Achievements: Ford Foundation Dissertation Fellowship Award (In submission) Jan 2019

American Planning Association (APA) International Research Grant, Nov. 2018 APA Student Funding to present at APA National Conference April 2017

**Zhao, Jiyue** PhD Student in Environment and Design, University of Georgia. In Progress

###### **Master**

Master in Urban Planning and Design, Historic Preservation, and Landscape Architecture, College of Environment and Design, University of Georgia

###### **Role: Ph.D. Committees Other Universities**

2014. Mehrnoosh Mahmoudi. Department of Earth and Environment, Florida International University, Miami, Florida. Advisor: Dr. Fernando Miralles- Wilhelm;

2012. Jongsung Kim. Upscaling of biogeochemical soil properties across landscapes in Florida, Soil and Water Science Department, University of Florida, Gainesville, Florida. Advisor: Dr. Sabine Grunwald.

###### **Everglades Foundation Internship Program (Program Coordinator)**

2011 Shimelis Setegn, Florida International University (FIU), Ivan Blanco, FIU;

2010 Xavier Zapata; Juliana Corrales; Tiara Thanawastien, FIU

2009 Amy Cohen, University of Miami; Yirgalem Chebud, FIU

2008 Roberto Koeneke, Ms. Marine Affairs and Policy, University of Miami

2007 Mehrnoosh Mahmoudi, FIU; Students volunteers: Natalia Ulloa, Environmental Sciences, FIU; Valentin Nechita, Environmental Sciences, FIU

#### **f. EDITORSHIP OR EDITORIAL BOARD MEMBERSHIP**

##### **Reviews of proposed individual papers for journals and conferences**

Planning Perspectives (2019), Journal of Planning History (2019), Geoderma (2018); Environmental Earth Sciences (2014); Landscape Journal (2015); Environmental Earth Science (2013-2015); Environmental Modelling & Software (2014); Water, Air & Soil Pollution Journal (2014); Environmental Earth Sciences (2013); Journal of Earth System Sciences (2012); International Journal of Environmental Research and Public Health (2011); Journal of Hydrology (2011); Remote Sensing of Environment Journal Reviewer (2010); Ecological Informatics (2009)

#### **g. CONFERENCE PRESENTATIONS (without published counterpart) – Selected presentations**

Rivero R.G. and N. Chen. 2015. Utilizing NASA imagery and GIS modeling for the design and implementation of the Miami-Dade Western Greenway in Miami-Dade County, South Florida. 2015 Geodesign Summit, Redlands, CA.

- Rivero R. G. 2014. Natural Hazard and Resilience of the Coast of Georgia. URISA (Urban Regional Information Systems Association) 52nd Annual Conference, New Orleans, Louisiana.
- Rivero R.G., G.M. Vasques and S. Grunwald. 2013. Fusion of Soil and Remote Sensing in Support of Digital Soil Modeling. Soil Science Society of America (SSSA), Tampa, Florida, October 2013.
- Rivero, R. M. Mahmoudi, B. J. Grizzle, and C. McVoy. 2009. Lake Okeechobee: Integration of historic data sources to reconstruct pre-drainage and early-drainage configuration of the Lake. South Florida GIS Expo, FL
- Rivero R.G., S. Grunwald, G.L. Bruland, M.W. Binford, K.R. Reddy, T.Z. Osborne and S. Newman. 2007. Spectral inferential modeling of soil phosphorus using hybrid geostatistical methods. ASA-CSSA-SSSA Meeting, New Orleans, LA.
- Rivero, R.G., S. Grunwald, T. Z. Osborne, S. Newman, and K. R. Reddy. 2005. Comparative analysis of hybrid geostatistical methods for soil mapping in WCA-2A, Everglades, Florida. Soil Science Association (SSSA) Annual Meeting, Salt Lake City, UT, Nov. 7-10, 2005
- Rivero R.G., S. Grunwald, S. Newman, T.Z. Osborne and K.R. Reddy. 2005. Incorporation of ASTER satellite imagery into multi-variate geostatistical models to predict soil phosphorus in WCA-2A, Florida. Pedometrics 2005 - International Meeting of Commission 1.5 of the Int. Union of Soil Sciences. Naples, Florida, Sept. 12-14, 2005. (Oral presentation).
- Grunwald S., R. Corstanje, G.L. Bruland, T.Z. Osborne, R.G. Rivero, S. Newman and K.R. Reddy. 2005. Geospatial mapping of soil total phosphorus in the Greater Everglades ecosystem. 9th Int. Symposium on Biogeochemistry of Wetlands. Baton Rouge, LA, March 20-23, 2005.
- Grunwald, S., G.L. Bruland, R. Corstanje, R.G. Rivero, T.Z. Osborne, K.R. Reddy, and S. Newman. 2005. Geostatistical modeling of soil property variability within the Greater Everglades Ecosystem. International Association of Landscape Ecology, Syracuse, NY, Mar. 16.
- Rivero R.G., S. Grunwald, T.Z. Osborne, S. Newman and K.R. Reddy. 2004. Application of soil mapping and modeling efforts in WCA2 integrating GIS, geostatistics and remote sensing techniques. National Conference on Ecosystem Restoration, Lake Buena Vista, FL.
- S.A. Bloom, S. Grunwald, R.G. Rivero, V. Ramasundaram, G.W. Hurt, and W.G. Harris. The Web-based Florida Soil Characterization Database. November 2004
- Bruland G.L., R.G. Rivero, R. Corstanje, S. Grunwald, T.Z. Osborne, K.R. Reddy and S. Newman. 2004. Spatial distribution of total soil phosphorus in the Greater Everglades Ecosystem. Soil and Water Science Department Research Forum, Gainesville, FL, Sept. 3.

#### **4a INVITED PRESENTATIONS AND GUEST LECTURER IN COURSES AND CONFERENCES**

2018. Universidad Simón Bolívar, Caracas, Venezuela.
2018. Academia Nacional de la Ingeniería y el Habitat Venezuela (Venezuelan National Academy of the Engineering and Habitat ), Caracas, Venezuela Experiencias en Ambiente y Diseño en el Sureste de los Estados Unidos (Experiences in Environment and Design in the Southeast of USA), July 24, 2018  
Invited, Role: Presenter, Target audience: Professional organizations  
Quarterly meeting of the Venezuelan National Academy of Engineering and Habitat
2018. Invited Lecturer Graduate Course Universidad Católica Andrés Bello, Caracas, Venezuela.  
Experiencias en Geodiseño y Planificación Urbana (Experiences in Geodesign and Urban Planning), June 21, 2018. Invited, Role: Presenter, Invited by Professor Luis Ramirez, Director of Industrial and Productivity, and quality control at the Catholic Andrés Bello University, Caracas Venezuela (Director de Programa Industrial y Productividad y Sistemas de la Calidad en UCAB - Universidad Católica Andrés Bello)
2018. Panel Discussion Keynote. Opportunities in GIS Science across UGA, November 15, 2017. UGA GIS Day, ESRI  
Invited, Keynote, Role: Presenter
2017. Experiences in Geodesign: the past, the present, and the future. South America Geodesign Summit. Belo Horizonte, Brazil. Invited Keynote Speaker.
2016. UGA, LACSI (Latin American Study). Urban and Environmental Planning: The case of Los Llanos, Venezuela. Professor Sergio Quesada.
2013. UGA LACSI (Latin American and Caribbean Studies Institute). Potential Impacts of Climate Change and Sea

- Level Rise on a USA Coastal City and Applications for Urban Planning in Latin America Cities. February 2010. Introduction to South Florida and the Everglades Region. Florida Earth Foundation, Fort Lauderdale
- 2009 The Llanos of Venezuela: Land of cultural and natural contrasts / GIS, remote sensing and other applications for Everglades research. Ecohydrology course, Civil Engineering Department, FIU, Miami, FL. Professor F. Miralles.
2009. Everglades: the past, the present and the future. University of Florida, Sustainability Program, College of Design, Construction and Planning. Professor M. Torres Antonini. Gainesville, FL.
- \*2009 The role of non-profit organizations in Everglades Restoration. Planet Action, international program sponsored by SPOT Image Spot Image , IGN, and Space Manufacturers, EADS Astrium Toulouse, France.
- 2009 GIS, remote sensing and other applications for Everglades Research. Earth and Environmental Science Seminar Series, Florida International University, Miami, FL
- 2009 Integrating GIS, remote sensing, and other geospatial technologies for Everglades research. Geospatial Symposium, Florida Chapter, American Society for Photogrammetry and Remote Sensing (ASPRS), Gainesville, FL.
- 2005 The Llanos of Venezuela: land of cultural and natural contrasts. Traditional Wetland Cultures in Transition, University of Miami, Center for Ecosystem Science and Policy.

### **Workshops and Training**

- 2019 Hot Cities 2050 Workshop Series. Georgia Tech, Atlanta. January 9, 2019.  
Sponsored by the Georgia Institute of Technology, the University of Georgia, and Arizona State University,.

## **4 SERVICE**

### **a. SERVICE IN UNIVERSITY OF GEORGIA COLLEGE OF ENVIRONMENT AND DESIGN**

**CED 50th Year Anniversary Exhibit Committee** (Member), *January 11, 2019–Present*  
College of Environment and Design, University of Georgia, Athens, Georgia

**CED Strategic Plan Committee** (Member), *November 15, 2015–May 15, 2018*  
College of Environment and Design, University of Georgia, Athens, United States

**CED Promotion and Tenure Committee** (Member), *August 1, 2014–October 31, 2014*

**CED Circle Gallery Exhibit Committee** (Member), *January 1, 2014–Present*  
University of Georgia, College of Environment and Design, Athens, United States

**CED PhD Committee** (Member), *January 1, 2013–Present*  
University of Georgia, College of Environment and Design, Athens  
Participated in final proposal approved by Board of Regents for new program starting Fall 2016.

- 2018-Present Faculty Advisor, CED Student Environmental Planning Association
- 2016-Present Committee Member, CED Academic Honesty Panel
- 2012-Present Committee Member, MEPD Council & Curriculum
- 2012-Present Committee Member, CED Ph.D. Committee
- 2014-Present Committee Member, CED Circle Gallery Exhibit Committee
- 2013-Present Committee Member, CED Technology Committee
- 2014-2016 Chair, Coastal Georgia Geodesign Workshop Planning and Implementation, with Harvard Professor Carl Steinitz and the Coastal Regional Commission of Georgia.
- 2012-2016 Committee Member, MEPD Accreditation Committee
- 2014-2015 Committee Member. CED Lecture Committee. Visits: Jack Ahern, University of Massachusetts; Fritjof Capra, Berkeley, California. Sponsors: CED, College of Engineering, and Franklin College of

- Arts and Sciences; Margaret (Peggy) Carr, and Paul Zwick, University of Florida.
- 2014-2015 CED Technology Committee. Committee Member. Results: evaluation and review of technological infrastructure (network, software, data management, and other needs)
- 2014 CED Promotion and Tenure. Committee Member. Results: successful approval of new CED Promotion and Tenure Revised Policy and Guidelines
- 2013-2015 CED Ph.D. Proposal Committee in Environmental Design and Planning. Committee Member. Results: successful submission of Ph.D. Proposal to Graduate School (currently under revision)
- 2012 - 2013 Instructor Evaluation CED Committee. Results: successful approval and implementation of new instructor evaluation system for CED

**Invited Guest Lecturers**

- 2014 Guest Speakers: Jaime Cuenca, Fernando Bayon, and Cristina Ortega. Institute of Leisure Studies, University of Deusto, Spain. "Shaping the Urban Environment for Cultural Innovation and Well-
- 2014 Guest Speakers: Frank Lawrence, URS, Program Development Manager, Atlanta, GA (11/2014)

**b. SERVICE IN UNIVERSITY OF GEORGIA (other than College of Environment and Design)**

- Present Affiliated Faculty, Latin American and Caribbean Institute (LACSI)
- Present Affiliated Faculty, Integrative Conservative
- Present Affiliated Faculty, UGA Water Resources
- 2014-2015 UGA Public Service and Outreach (PSO) Fellow – Coastal Communities in Georgia and the impact of the FEMA Community Rating System
- 2014-2015 LACSI (Latin American and Caribbean Studies Institute) Advisory Board (October 2014 – 2015) Grant Reviewer /Proposal Writing Committee for Department of Education Title VI National Resource Center/Foreign Language and Area Studies grant. (Funded)
- 2014 Committee Member for visit of international author Fritjof Capra. (Lead by Dr. Brahm Verma, College of Engineering. Committee Members: W. Dennis, Physics, Franklin College of Arts and Sciences Described in 4a – CED Appointed Committees.
- 2014 Faculty Search Committee Assistant Professor in Digital Humanities History (lead by Noel Fallows, Associate Dean Franklin College of Arts & Sciences UGA. Committee Members: Cari L Goetcheus, Wayde Brown, Rosanna G Rivero, Thomas L Mote, and Stephen Berry.

**c SERVICE TO PUBLIC AGENCIES**

- 2014 Resilient Communities in Coastal Georgia, McIntosh and Glynn counties (part of agreement with the Coastal Regional Commission of Georgia, including the Regional Environmental Studio I)
- 2014 NASA Develop National Program, UGA Program Advisor, Miami-Dade Ecological Forecasting I and II, in collaboration with Miami-Dade County and the Trust for Public Lands
- 2013 Natural Hazard and Resilience Assessment of the Coastal Region of Georgia (agreement with the Coastal Regional Commission of GA, including Regional Environmental Studio I course

**d SERVICE THROUGH INSTRUCTION**

- 2014 Resilient Communities in Coastal Georgia, McIntosh and Glynn counties, part of agreement with the Coastal Regional Commission of Georgia, including the 2014 Regional Environmental Studio I.
2014. Hazard and Resilience Plan for the Coast of Georgia. February 2014. University of Georgia, College of Environment and Design, Master in Environmental Planning and Design. 2013 Environmental Planning Studio I. Prepared for the Coastal Regional Commission of Georgia.

**e SERVICE TO COMMUNITY**

- 2014-Present, Casa de Amistad, Board Member, Athens, Georgia
- 2014-2015, Coastal Wildscapes, Cay Creek Wetland Educational Center, Advisory Board Member
- 2014, Western Greenway, Miami, Advisory Board Member for Trust for Public Lands and Miami-Dade

## **f PROFESSIONAL SERVICE**

### **Committee Organizer**

- 2010-2011 NSF Florida Coastal Everglades (FCE) Long Term Ecological Network (LTER)- Information Management Advisory Committee (IMAC) committee, Florida International University
- 2009-2010 South Florida GIS Expo, Organizer Committee, West Palm Beach, FL
- 2008 Greater Everglades Ecosystem Research Conference, Naples, FL

## **g ORGANIZATION OR MODERATION OF CONFERENCE AND OTHER WORKSHOPS**

- 2019 Session organizer: Planning for Resilience in communities and regions across the State of Georgia. Georgia Planning Association Conference, October 3 and 4, 2019, Athens, Georgia. Participants: Lawrence Frank CFM, MRP, Technical Director, Land Planning Practice Atkins; Lupita McClenning, Director Planning & Development Services, Greater Salt Lake Municipal Services District; Alison Smith, Associate Professor, College of Environment and Design, University of Georgia; and Micah Taylor, Ph.D. student, College of Environment and Design, University of Georgia.
- 2016 Coastal Georgia Geodesign Project, Richmond Hill, Georgia. Co-organized with the Coastal Regional Commission of Georgia, Geodesignhub, and Professor Carl Steinitz (The Bartlett Centre for Advanced Spatial Analysis, University College London). With participation of 30 people from local, regional, and state organizations, including governmental, academic, and non-governmental organizations).
- 2015 Geodesign Workshop with Carl Steinitz, Athens, Georgia, University of Georgia, Jan 26-28, 2015. Coorganized with faculty from CED and Geography (30 participants from public, private, academic, and other organizations)
- 2010 Everglades Foundation Scholarship Symposium, Florida International University. Coorganized with Dr. Melody Naja, Everglades Foundation.
- 2008 Lake Okechobee: Historic Assessment. Greater Everglades Ecosystem Restoration (GEER) Conference, Naples, Florida. Co-organized with Betty J. Grizzle, D. Env., Physical Scientist, South Florida Natural Resources Center, Everglades National Park.
- 1996-1997 Workshops by the Venezuelan Ministry of Environment and scientists from Placer Dome Inc. Caracas, Venezuela and Vancouver, Canada. Environmental Impact Study of Las Cristinas Mining Project, Bolivar State, Venezuela. AmbioConsult, Caracas, Venezuela.
- 1989-1990 Workshop on "Ecotourism in the Orinoco-Apure region". Coordinating team of scientist and planners to define sustainable tourism strategies for the Orinoco-Apure basin.
- 1989-1990 Training local workshops, co-organized between Ministry of Environment and CORPOTURISMO (national tourism planning agency) for design and implementation of the Comprehensive Plan for Sustainable Tourism in the Occidental Sector of the Orinoco-Apure basin, Venezuela.

## **g OTHER PUBLIC SERVICE**

### **Florida International University**

Florida Coastal Everglades NSF LTER (Long Term Ecological Research), Information Management Advisory Committee (IMAC), Florida International University, Miami, FL.

### **Everglades Foundation**

Everglades Washington Summit, Everglades Foundation delegation, Washington D.C., May 2010  
Reviewer for Everglades Foundation Fellowship Program Applicants (2008-2011)  
Greater Everglades Ecosystem Conference, Organizer Committee, Naples, FL, 2008

### **i. Promotion/Tenure assessment**

Soka University of America, Environmental Studies, 1 University Drive, Aliso Viejo, CA, 92656, United States (Environmental Studies), October 10, 2018–January 15, 2019

Iowa State University, Community and Regional Planning, 295 Design, Ames, Iowa, 50011-3091, United States (Community and Regional Planning), May 15, 2018–August 1, 2018