Abstract

Our objective was to develop an interactive information and visualization framework for Florida's wetlands. We standardized and integrated 2,130 geo-referenced point observations of 78 different physical, chemical, and biological attributes collected in Florida's wetlands from 1987 to present. A Web-based GIS tool was created with ArcIMS to augment these point observations with other GIS layers such as soils, geology, land use, and county boundaries providing query and retrieval functions to users. We used the ArcGIS Geostatistical Analyst to conduct a spatial analysis with subsets of the dataset. Our global learning environment for Florida's wetlands is accessible at http://GISWetlands.ifas.ufl.edu.

Sabine Grunwald
University of Florida
Soil and Water Science Department
2169 McCarty Hall
PO Box 110290
Gainesville, FL 32611-0290
USA
Phone: 352-392-4508
Fax: 352-392-3902
E-mail: SGrunwald@mail.ifas.ufl.edu

Ramesh Reddy
University of Florida
Soil and Water Science Dept.
106 Newell Hall
PO Box 110510
Gainesville 32611
USA
Phone: 352-392-1803
Fax: 352-392-3902
E-mail: KRR@mail.ifas.ufl.edu