

Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: GeoLem Caching and Multithreading Development
Type of Project: Technical Assistance
Project Discipline (please indicate one): Interdisciplinary
Funding Agency: NRCS
Other Partners/Cooperators: Mississippi State University
Effective Dates: July 1, 2007 – December 31, 2007
Funding Amount: \$50,000
Investigators and Agency Representative: PI: Dr. Luis Garcia, Engineering, Colorado State University, Fort Collins, Ph: 970-491-5048; Garcia@engr.colostate.edu Agency Rep: Frank Geter, Lead Project Manager, USDA-NRCS, Information Technology Center, 2150 Centre Ave., Building A, Fort Collin, CO 80526; 9701-217-1397; Frank.Geter@ftc.usda.gov
Project Abstract: Background: GeoLem is a middleware solution (i) for the definition, storage, and manipulation of geographic metadata and (ii) for the transformation of information form the form of one context into another based on metadata specification (e.g. from the spatial data formats of GIS into the parameter organization of an environmental model). The purpose of this system is to eliminate the need for GIS-specific knowledge in the model and model-specific knowledge in the GIS. Purpose and Objective: The purpose of this agreement is for Colorado State University to support the enhancement of GeoLem software to provide data caching, multireading, documentation, test suites, and provide developer support to Mississippi State University.
Outcomes with completion dates (reports, publications, workshops, videos, etc.):
Keywords: GeoLem software; metadata caching, GIS