

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Framework Standards Training Material Development and Higher Education Curriculum Integration, Phase I&II
Type of Project: Education
Project Discipline: Interdisciplinary
Funding Agency: USGS / Federal Geographic Data Committee
Other Partners/Cooperators: None
Effective Dates: September 1, 2005 thru September 30, 2010
Funding Amount: \$101,000
Investigators and Agency Representative (include name, address, phone, email): Jeffrey D. Hamerlinck, Wyoming Geographic Information Science Center, Dept. 4008, University of Wyoming, 1000 E. University Ave., Laramie, WY 82071, (307) 766-2736, itasca@uwyo.edu Steven D. Prager, Department of Geography, Dept. 3371, University of Wyoming, 1000 E. University Ave., Laramie, WY 82071, (307) 766-5378, sdprager@uwyo.edu
Project Abstract: This project addresses the need for development of education and training materials for the National Spatial Data Infrastructure Framework Standard, as part of the Federal Geographic Data Committee's Future Directions Initiative. Two primary objectives will be addressed. The first objective is to develop training material for a series of Web-based training modules geared toward different types of professionals involved in geospatial technology implementation, management and use (managers, analysts, programmers, technicians, etc.). The desired learning outcome is to educate end users on the core concepts of the Framework component of the National Spatial Data Infrastructure, specifically addressing content and implementation issues associated with the newly developed Framework Base and thematic standards. The second objective is to develop strategies for integrating Framework principles and standards concepts into geographic information systems and science curriculum. The goal of objective two is to increase understanding of Framework concepts and associated standards among those currently being trained within higher education in the geospatial fields (i.e., future geospatial professionals). The second objective will address the concern that institutional aspects of building spatial data infrastructures are often neglected in curricular offerings. Teaching spatial data infrastructure concepts grounded in a technical standards approach is one way of introducing such concepts to students at many stages in their classroom experience.
Outcomes with completion dates (reports, publications, workshops, videos, etc.): Framework Base Standard Training Course Development and Publication, September 30, 2006 Framework Integration Strategies White Paper, February 28, 2007 (other deliverables to be determined)
Keywords: GIS, geospatial training, curriculum, National Spatial Data Infrastructure, Framework data, standards