Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Develop, verify, process, maintain, and document information in support of the National Park Service's natural resource and cultural resource-related data and information systems

Discipline: Interdisciplinary
Type of Project: Technical Assistance & Education
Funding Agency: National Park Service
Other Partners/Cooperators: Colorado State University
Effective Dates: 4/2/2009 – 9/30/2014
Funding Amount: $529,518 [FY13: $294,141; FY12: $52,000; FY11: $64,200; FY10: $63,916; FY09: $55,261]

Investigators and Agency Representative:
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Project Abstract:
The integration of NRPC's information systems, cataloging of digital reference information, and standardization of taxonomies as well as routine information management is occurring through an Integration of Resource Management Applications (IRMA) project. The goal of IRMA is the transformation of stand-alone data applications into a more unified system employing service-oriented architecture. Components of IRMA include:
- NPSpecies: the National Park Service (NPS) database system to store, manage and disseminate taxonomic, biological inventory, and biodiversity information for all NPS units
- NatureBib: the NPS database system to store, manage and disseminate natural resource bibliographic information
- NPS Data Store: the National Park Service system for data users and data producers to post and disseminate natural resource-related metadata and data
- NPS geographic information systems: a National Park Service program for acquiring and disseminating geographic data

Students currently enrolled in CSU academic programs will assist the NPS in acquiring, verifying, formatting, computerizing, maintaining, and disseminating NPS natural resource information and cultural resource information. This assistance will help ensure that NPS has access to and applies the information it needs to make sound resource management decisions, and that this information is also available to researchers, cooperators, and the general public.

Five interns will receive training and experience in natural resource information management by assisting with the collection, verification, and population of data into a variety of formats and applications. Interns will perform structured assignments with assistance from supervisors who are experienced professionals in the field of natural resource information management.

Outcomes with Completion Dates: Final Report – June 30, 2014

Keywords: inventory and monitoring, student interns, databases, Colorado State University