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## **PRESENTATION ABSTRACT**

### **Continued Maturation of BLM Data Quality and the Enterprise (eGIS) System**

The BLM has been building its multi-thousand user GIS enterprise (eGIS) for over a decade with the goal of data standardization, quality management, and centralization. A major challenge for the agency is how physically distributed it is (national office, 2 national centers, 12 state offices, and over 130 field offices) and how the national priorities can significantly vary from those of field offices doing business at the local level.

To supplement its growing pains, BLM stood up a team of 15 GIS analysts with a national focus to develop and populate the data at the state and local level, promote the enterprise, and train field staff in one of the largest Citrix deployments out there.

Over the course of the first year the team pointed out multiple hitches in the system including missing data, incorrectly attributed data, problems with the national data roll-up process, bugs in the national QAQC process, and national data standards that just didn't work for the local offices. Tools used in this review included a robust python scripted attribution check process, Data Reviewer, and topology checks. The team has been working to find missing data, correctly attribute data in SDE, highlight glitches to the national office, and expand ways to measure data quality. This project also spurred national efforts to analyze and improve the national data roll-up, fine tune the QAQC, and make the data standards development process a bit more transparent.

This session will offer insight to the complexity of a multi-thousand user national roll-up, outline lessons learned, and highlight how BLM continues to improve its data quality to result in an improved and more useful enterprise.

## **BIO**

Marshall Worthey is a Federal Account Manager for GISinc focusing on providing geospatial systems and services that enable and consolidate Federal Land management systems into a common framework (a map). He has over 20 years' experience making it easier for Federal Land Managers to know what is happening on Federal Lands and help them make sound and defensible decisions. GISinc works with Land Managers every day and we are experts in streamlining the data and workflows to support Federal Land Management as an enterprise.