

Date: 29 November 2011

Agreement Number: G11AC20057

Project title: Metadata Training and Outreach for Tribal Environmental Science and Management on the Colorado Plateau

Interim Report

Organization: Merriam-Powell Center for Environmental Research, www.mpcer.nau.edu

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Executive Summary

Due to unforeseen circumstances we've been late in getting our workshops going. We had a request from the National Science Foundation for background information in order to fund a large research grant. Providing the information took most of my summer and early fall which delayed the start of any workshops into the part of the year where weather in Flagstaff becomes a problem for attendance. We have a plan (detailed below) to get our project back on track starting in January 2012. We will begin by scheduling a couple of campus-community 1/2 – or 1-day workshops in January and February. During March, April, May and June we will average one workshop per month. We also plan to request a no-cost extension so that we can hold two final workshops in July, August or September.

Project Narrative

Due to several unforeseen events I've been late in getting my workshops going. We had a request from the National Science Foundation for a large amount of background information in order for them to move forward on funding a Major Research Instrumentation (MRI) proposal. As Senior Staff on that project I was responsible for helping to determine the location, map and oversee National Environmental Policy Act surveys for 10 remote research sites. Providing this information took most of my summer and early fall which delayed the start of any workshops into the part of the year where weather in Flagstaff becomes a problem for attendance. In addition, our other registered trainer (Kirsten Ironside) left NAU for another job. My plan to get back on track is to host two campus community workshops in January and February to work out the kinks in new teaching materials for ArcGIS 10 and to train one or two graduate students to help present workshops. I will then plan to host one tribal professional's workshop per month in March, April, May and June. If we have funding left (which seems likely) we will request a no-cost extension and hold two more workshops in July, August and/or September. I hope to fill our training lab (24 students) for each workshop. I will schedule one-day (8-hour) "Web Mapping and Metadata" and "Metadata for Managers" workshops during the first few months and then plan the longer more technical/detailed workshops for the summer months. We have a couple of masters students from our Geography department identified who should make good assistant trainers and already have deep understanding of geography and GIS (which should make it easy to get them up-to-speed in metadata training). I will continue to teach most of the workshop sessions myself, with the students providing help during the hands-on segments of the workshops. As stated in the original proposal MC Baldwin (our tribal coordinator for the project) will present modules

on “Metadata, GNIS and Traditional Place Names” and “Security Schemas for Tribal Metadata and Data” during some or all of the workshops.

Training and outreach assistance:

Indicate the number, duration, and venue (indicate if Internet/Web supported , i.e. Webinar) of workshops conducted, as appropriate. N/A

List organizations and organizational type (Federal, State, local, Tribal, academic, NGO, etc) for workshop participants. Names and email addresses for participants are optional, but desirable, as an appendix. N/A

List number of individuals and the agency/organization they represent receiving metadata training, and outreach assistance. N/A

List for each workshop the overall customer satisfaction. Customer satisfaction rating is from the NSDI training evaluation form which also provides the means to evaluate trainer proficiency. The evaluation is administered after each workshop and should take as little as 10 minutes if measuring only customer satisfaction and 20 minutes for trainer proficiency. The evaluation form is available at <http://www.fgdc.gov/training>. N/A

Letters of recognition for the workshop to the awardee, publication articles regarding the workshop, external endorsement for the workshop. N/A

Describe the means of instruction: lecture only, lecture and exercises, or lecture and computer assisted. N/A

List new organizations engaged in this project. N/A

Status of Metadata Service

Our metadata clearinghouse is online and being harvested by the NBII and NSDI portals. No new metadata has resulted from this project as of 29 November 2011. We have however added about 30 metadata records in the past year for datasets created for other projects. FGDC CAP funding was critical in allowing us to develop our ability to create and host metadata for our projects. We expect to add new metadata once our workshop series begin in January.

Next Steps:

Will this project's activities continue after this? Yes, we will schedule all six proposed workshops during the first six months of 2012. See our project narrative for more details on timing for our workshops.

What formal or informal organizational relationships established to sustain activities beyond performance period?

Describe the next phase in your project.

Are there issues in metadata management and service? No Do you need FGDC assistance?
No

Requirements (more technical assistance, software, other?) None.

What other areas need work?

What do you anticipate future metadata training, outreach, creation and posting (to clearinghouse or other locations) after the project performance period ends? We will continue to teach metadata workshops as funding (either internal or external) allows. We will continue to operate, update and maintain our metadata clearinghouse as it is an integral part

of our Geospatial Research and Information Laboratory resources. During the winter and/or spring of 2012 we plan to upgrade our clearinghouse to the ArcGIS 10 Geodata Portal standard in order to integrate metadata hosting and data delivery.