NSDI Cooperative Agreements Program
Metadata Training & Outreach Project

Interim Report

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Project Narrative
MPCER is currently planning three workshops for this winter and updating our web pages to reflect these new workshops, along with advertising these events. Currently we have scheduled two workshops at NAU in Flagstaff, AZ, for December 6 & 7, 2006 and January 10 & 11, 2007. We are also currently working with the Inter-Tribal Council in Phoenix, AZ, to host a workshop on February 7 & 8, 2007. Our registration webpage, https://www4.nau.edu/mpcer/training.html, is currently up and ready for participants to register. On October 16-18, 2006 MPCER provided a pamphlet in the Southwest User Group conference registration packet promoting MPCER and other FGDC metadata workshops. We also attended the Talking Circle at the user conference and addressed how important metadata is for Tribal Organizations in the discussion. Our first workshop will primarily be attended by Navajo EPA staff. The other workshops are open to all. We have begun to contact various people and organizations about our workshops. These include NBII, ITEP (Institute for Tribal Environmental Professionals), FGDC, Tribal GIS Coordinators in the Southwest, AGIC, and USGS personnel. Workshops will be posted to the FGDC Calendar by November 4th, 2006.

Metadata training and outreach assistance

- **List organizations and number of individuals receiving metadata training and outreach assistance as appropriate**

Workshops have not been conducted yet, but dates and locations have been set. We are already receiving several emails from people expressing interest in attending.

- **At what level of proficiency are the trainees or training**

  For the 3 workshops listed above we will provide 1.5 day curriculums covering the Federal Geographic Data Committee's (FGDC) Content Standard for Digital Geospatial Metadata (CSDGM) version 2 (FGDC STD-001-1998) and the Biological Data Profile (FGDC STD-001.1-1999). We also briefly touch upon all of the approved standards and standards in development listed on the FGDC website formerly at http://www.fgdc.gov/standards/status/textstatus.html (prior to the new FGDC websites). The ISO Metadata Standard 19115 is also briefly touched upon. Participants are taught how to use the graphical representation along with essential metadata elements and how to make robust metadata by providing information for mandatory if applicable and optional elements. All the workshops provide hands on exercises using ArcCatalog, TKME, Metavist, and the NPS Metadata Editor. Other metadata tools are provided on the workshop CDs. Kirsten Ironside and/or Paul Heinrich, FGDC registered metadata trainers, perform the workshops. M.C. Baldwin helps teach some materials relating to a Tribal Place Names project developed by Frank Roberts.

- **Indicate the number and character of workshops conducted as appropriate**

  Three workshops will be conducted

Status of Metadata Service

- **Site names where metadata is served; clearinghouse node or Geospatial One-Stop harvestable web folder.**

  Our clearing house is up as of March 2005 and has been harvested by NSDI.

  http://mprlsrvr1.bio.nau.edu/metadataexplorer/

- **Approximately how many metadata entries have resulted from this project?**

  Metadata for 30 MPCER datasets are currently stored on our Clearinghouse. We hope participants in our workshop will publish records to the clearinghouse in the near future since we offer metadata hosting to all workshop participants.

- **Do you need assistance in providing for metadata service to organizations you have assisted?**

  No.

Next Steps

- **Will this project's activities continue in the future**

  Yes, we will continue to hold several training workshops per year, assuming we can find funding for materials.

- **Describe the next phase in your project**

  We plan to expand the CP Metadata Clearinghouse into a full data node where we provide access to data through the Clearinghouse.

- **Are there issues in metadata management and service**

  Only that it is difficult to develop a workflow to bring non-ArcCatalog created metadata into an ESRI-based Clearinghouse. We are working to develop a workflow to do this.

- **Requirements (more technical assistance, software, other?)**

  Our major requirements are covering the costs of training materials and trainer's time.

- **What areas need work?**

  We will need to adapt our current workshop curriculum to the FGDC Core Curriculum when it comes available.

Feedback on Cooperative Agreements Program

- **What are the program strengths and weaknesses?**
- **Where does the program make a difference?**

  We would not be able to provide training workshops without the support of the CAP program and contacts made through FGDC. We do plan on being able to support training events independent of FGDC funding when MPCER moves into the Applied Research and Development building on the NAU campus. There we will have a training laboratory as part of the Geospatial Research and Information Laboratory (GRAIL). We are hoping to move in February 2007.

- **Was the assistance you received sufficient or effective?**
- **What would you recommend doing differently?**
- **Are there factors that are missing or need to consider that were missed?**
- **Are there program management concerns that need to be addressed? Time frame?**
- **If you were to do this again, what would you do differently?**