Interim and Final Project Summary Format

Agreement Number: 03HQAG0146
Final report

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Collaborating organizations
1) Intergraph (provided software)
2) Bureau of Transportation Statistics (BTS, provided transportation data)
3) University of Maryland-College Park (UMCP, provided part of DOQQ data)
4) Virginia Tech (VT, provided part of DOQQ data)

Project Narrative: Through the project, we enhanced our FGDC-registered
Clearinghouse Node (added ~1200 metadata entries) and our web mapping applications
(added ~500 WMS reference) to support OGC-compliant WMS at the Center for Earth
Observing and Space Research (CEOSR). An interoperable web mapping portal with the
mechanism to access related web mapping from metadata kept in our Clearinghouse
Node is built ([http://gis.scs.gmu.edu/metaweb/smms.asp](http://gis.scs.gmu.edu/metaweb/smms.asp)). Our metadata service system
is built by using Intergraph’s SMMS 5.1 and Geoconnection 5.1. Operational web
mapping systems have been setup and are serving users by using ArcIMS 9.0 and its
WMS. The developed system has been introduced to different communities of users
through AAG 100th annual meeting, Geospatial World’2004, and International
Cybernetics, Informatics Conference of 2004. The project is conducted with collaboration
with Intergraph, VT, BTS, and UMCP.

Status of your Clearinghouse Node
- Site Name: VA-MAGIC
- How many metadata entries? 1441
- How many metadata entries with OGC WMS references in them? 496
- Issues in metadata management and service: Time consuming but worth it.

Status of your Web Map Service
- Software type and version used: ArcIMS 9.0 WMS
- Status/Issues with the OGC WMS setup: pretty easy
- Provide URL to your WMS "getCapabilities" request :
  Please see the followed GetCapabilities list
- Describe what types and coverage of data are presented: DOQQ of Virginia coverage
  (partly input), National Transportation data, AVHRR data
Integration
- Provide status of Clearinghouse or geodata.gov search portal to access your maps through the metadata (URL): http://registry.gsdi.org/viewrecord.php?rec=515
- Successes and Problems: Took some time to develop and integrate the system. But the integrated system is more convenient for users.
- Recommendations: Search through http://gis.scs.gmu.edu/metaweb/smms.asp, where most people accessed our data holdings.

Next Steps (if appropriate)
- Describe the next phase in your project: We are trying to make WMS references for all metadata entries. And wish to support National Map and Web Feature Service in the future.
- Requirements (more technical assistance, software, other?) need funding support for technician and hardware.
- What areas need work? Identify specific user communities.

Feedback on Cooperative Agreements Program:
What are the program strengths and weaknesses? It Helps us in sharing our data, and web mapping.
Where does the program make a difference? Provide our users a friendly interface for data access.
Was the assistance you received sufficient or effective? Need more cooperative work.
What would you recommend doing differently? Set time to meet with program people.
Are there program management concerns that need to be addressed? Time frame? The time frame is not very clear.
If you were to do this again, what would you do differently? I would collaborate with program manager more closely.

GetCapabilities list