

NSDI Future Directions Initiative

Quarterly Report September-December 2004

Submitted by the NSDI Future Directions Project Team
January, 2005

www.fgdc.gov/FutureDirections/



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Introduction to Future Directions

In June of 2004, The Steering Committee of Federal Geographic Data Committee was briefed on the Future Directions Initiative and agreed to move forward with the initiative. Three broad goals of the initiative are:

- Partnerships with Purpose
- Communicating the Message
- Making Framework Real

Under these headings 13 action items were identified. To address the action items, 12 action teams were formed. The teams were formed from two calls for participation, one made in July 2004 and another in August 2004.

The Future Directions project staff established at the FGDC Secretariat by Staff Director Ivan Deloatch includes:

- Milo Robinson, FGDC Project Manger
- Alison Dishman, FGDC Project Coordinator
- Tricia Gibbons, Lead Alliance Facilitator

The project staff worked to identify and encourage individuals to lead the Action Teams. These teams began convening on a case by case basis, as not all teams formed at the same time. However, most teams were formed in September 2004.

Each team developed a team charter, and is working toward an Action plan that is appropriate to meet the needs of its objective. Each team has the flexibility to approach the objective as it sees best. Further information about the teams can be found on the FGDC web site (www.fgdc.gov/FutureDirections/).

One of the goals of the Initiative is to develop a reporting system to keep FGDC member agencies informed of Future Directions activities. Monthly reports are provided by each team to inform on their progress. This report is the first Quarterly Report -- covering Action team activities from September through the end of December 2004.

If you have comments about this report or wish to participate on one of the teams please contact:

- Milo Robinson
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Partnerships With Purpose

1. Governance Action Team

Team Leads and Members

Jochen Albrecht	Hunter College
Eric Anderson	City of Des Moines
Michael Armstrong	City of Des Moines
Don Campbell	FCC
Monica DeAngelo	FERC
Paul DeMinco	NASA
Alison Dishman	FGDC
Randy Fusaro	Census
Tricia Gibbons	LEAD Alliance (facilitator)
Dennis Goreham	NSGIC – Utah (Co-Team Lead)
Todd Jackson	URISA – Ohio
Shelby Johnson	NSGIC – Arkansas
Tony LaVoi	NOAA
John Moeller	Northrop Grumman
Ingrid Milton	USDA/NRCS
James Querry	City of Philadelphia
Milo Robinson	FGDC Staff
Eric Seamon	City and County of San Francisco
Cy Smith	NSGIC – Oregon
Tonny Spicci	NSGIC – MO
Al Stevens	FGDC/GSDI
Doug Vandegraft	FWS
Alan Voss	TVA (Co-Team Lead)
Larry Whitaker	NACo-KY

Major Areas of Responsibility

- Investigate and recommend governance options for the operation of the National Spatial Data Infrastructure. The committee should consider governance of and among the Federal Geographic Data Committee (FGDC), Geospatial One Stop (GOS), and *The National Map*, as well as other nationally significant programs such as: NAIP, NDOP, NAPP, 133 cities.

Major Accomplishments to date

- Charter written and accepted
- Six sub-teams formed and work well underway
- Two face to face team meetings held
- Nine teleconferences held to discuss team issues

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Activities in Progress / Next Steps

- Three face to face meetings planned
- Background and outreach activities, Phase I, to be completed by the end of January
- Analysis of data, and development of initial recommendations to be completed in February
- Final report planned for June

Performance Measures

- Review progress against work plan

Issues / Concerns / Barriers

- Support from the FGDC Staff will be needed to prepare & write the final report
- Financial support needed for travel and some team member participation

Coordination with NGPO Study Teams

- NGPO Leadership attended part of our last face to face team meeting
- Some coordination between NGPO interviews and Governance team interviews has occurred
- Coordination with Communications team was been initiated, and further coordination is needed

Support Needed

- Continued support of the FGDC staff for meetings, website operation, facilitation, and recording of meeting minutes
- Financial support of action team leadership and of team members for travel
- Identification and support of staff to prepare final report
- Support of facilitator and the Governance Outreach team for conducting Focus Sessions

2. Tribal Engagement

Team Lead and Members: Bonnie Gallahan, USGS Lead

Sue Marcus	USGS
Tom Casadevall	USGS
Gene Napier	USGS
Mike Choate	USGS
Pat Hytes	USGS
Leslie Wollack	USGS
Sharon Shin	FGDC
Lynda Wayne	FGDC
Don Harper	USGS

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Sharon Swanson	USGS
Lynn Sendejo	USGS
Lynn Engdahl	DOI/BIA
Richard Moore	BIA
Mark Zundel	BIA
Jim McLeod	BIA
Denise Chavez	BIA/SIPI
Monte Monteith	BIA/SIPI
Linda Straka	DHS/FEMA
Joseph Hesbrook	DHS/FEMA
Tim Sanders	DHS/FEMA
Karen Helbrecht	DHS/FEMA
Dawn Warehime	DHS/FEMA
Heather Westra	DHS/FEMA
Mary Taylor	DHS/FEMA
Glenn Gravett	FWS
Mark Richardson	FWS
Todd Sutherland	FWS
Pat Durham	FWS
DJ Monette	FWS
Scott Aiken	FWS
Betsy Kanally	FS
Horst Greczmiel	CEQ
Robert Holden	National Congress of American Indians
Don Chapman	National Congress of American Indians
Pat Cummins	ESRI
Bill Burgess	NSGIC
James Rattling Leaf	Rosebud Sioux
Laura Harjo	Cherokee Nation
MC Baldwin	Navajo Nation
Frank Roberts	Coeur D' Alene Tribe
Ira New Brest	Native American Fish and Wildlife Society
Ron Skates	Native American Fish and Wildlife Society

Major Areas of Responsibility

- Continue to support the building of the NSDI through cost share with existing partnerships
- Develop new partnerships to further the NSDI and assist Tribes to be self-sufficient
- Outreach to the Tribes through training and education of the NSDI

Major Accomplishments to Date

- Developed and implemented 2 pilot courses with DHS/FEMA, Basic GIS/HAZUS and Intro to GIS/Multi Hazards
- Institutionalized 3 courses with DHS/FEMA, Tribal Framework, Tribal Operations and Tribal Mitigation

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- Designated as USGS/FGDC Tribal representative for the new BIA Training Center in NM

Activities in Progress

- Coordinating with Forest Service (FS)to establish courses at their training center in UT
- Coordinating with NSGIC/TNM to establish more Tribal input
- Developing schedule and agenda for Tribal Framework course with DHS/FEMA and with the AZ Intertribal Council to be held in AZ in 05
- Preparing for upcoming courses with DHS/FEMA and FWS

Performance Measures

- Tribal entries into GOS portal: not available
- Tribes requesting technical assistance: 57 phone messages, 175 e-mails (Oct-Dec)
- Tribes receiving training: 51

Issues/Concerns/Barriers

- Funding

Coordination with NGPO Study Team

- Meeting and coordination with communications staff
- Incorporated Tribal Future Directions into Partnerships with Purpose NGPO document

Support Needed

- Funding, and continued support from NGPO, NSGIC and FS.

3. Fifty States Action Team

Team Leads and Members

Ingrid Y. Bruce	City of Rancho Cucamonga, CA
Bill Burgess	NSGIC and Project Lead
John Clark	General Services Administration
Stu Davis	State of Ohio
Stu Kirkpatrick	State of Montana
Tony LaVoi	NOAA Coastal Services Center
Vicki Lukas	USGS – Seattle, WA
Ingrid M. Milton	USDA – Beltsville, MD.
Joe Sewash	State of Tennessee
Gene Trobia	State of Arizona
Larry Zink	State of Nebraska

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Major Areas of Responsibility

- Draft an action plan for approval by the NSGIC Board of Directors and the FGDC Coordination Workgroup that can be used to implement the strategic goal “By 2006, fifty state Coordinating Councils are in place and routinely contributing to the governance of the NSDI.”

Major Accomplishments to date

- Action Plan was completed by the work group on December 10, 2004
- Action Plan was approved by the NSGIC Board of Directors on December 21, 2004
- Action Plan was presented to the FGDC Coordination Workgroup on January 11, 2005 and approval is expected during January, 2005 (for plan see: http://www.fgdc.gov/FutureDirections/action_plans/pdf/Fifty_States_Contributing_NSDI_Final_Action_Plan.pdf)

Activities in Progress / Next Steps

- NSGIC has scheduled a forum at the Hall of States on March 16, 2005 to introduce the Fifty States Initiative to the individual State Governor’s Offices and other non-profit organizations at the Hall of States, including the National Governor’s Association and the Western Governor’s Association.
- NSGIC has developed a “flyer” on the program to solicit input from additional states.
- NSGIC members will work with the FGDC to discuss the possibility of including the Fifty States Initiative activities into the current CAP grant announcements.

Performance Measures

- Six performance measures are outlined in the Action Plan (see Section 3.1.9)

Issues / Concerns / Barriers

- No significant issues, concerns or barriers have been identified at this time. The Initiative has been well received by all groups to date.
- The initiative will take some funding assistance to implement, but that has not been fully quantified at this time.

Coordination with NGPO Study Teams

- The managers leading the NGPO reorganization were briefed on the Fifty States Initiative to ensure they understand the importance of the State Liaisons to implementation of the Action Plan.
- The Governance Team was briefed on the Initiative to ensure that their upcoming Governance Model incorporates the appropriate provisions of the Initiative.

Support Needed

- A principal contact needs to be established by the FGDC to work with the work group and with NSGIC on implementation issues.
- NSGIC needs to apply for funding assistance to help with implementation of the Initiative.
- NSGIC needs to coordinate with the Communications work group to discuss development of the required public relations materials.

4. Non Geospatial Organizations Action Team

Team Leads and Members

John Clark	GSA (Chair)
Leslie Wollack	FGDC (Co-Chair)
Tom Christoffel	NSVRC
Jerry McFaul	USGS
Rebecca Somers	Somers St. Claire

Major Areas of Responsibility/Mission

- Define “What is a Non Geospatial National Organization”
- Identify Target Non Geospatial National Organizations (NGOs)
- Propose an outreach strategy to engage NGOs

Major Accomplishments to date

- Team Charter approved November 2004
- Draft action plan posted to Quickplace January 11, 2005
- Proposed a “Regional Intensive Geo-spatial Training” pilot in Virginia’s Northern Shenandoah Valley

Activities in Progress/Next Steps

- Review other action team plans for possible collaboration and avoid duplication
- Next Meeting scheduled for January 25, 2005 at USGS in Reston, VA
- Complete, revise and finalize the Action Plan for Engaging NGOs

Performance Measures

- Number of NGOs targeted for engagement
- Number NGO Events that Outreach Team exhibits at

Issues/Concerns/Barriers

- NGOs require encouragement and motivation to engage in Geospatial initiatives
- Demonstrate the value of the GOS portal and Geospatial Systems

- Lack of Funding at the local level to invest in and use Geospatial Information Systems (Can a small amount of grant funding be targeted to NGOs)
- How and who will coordinate the outreach recommendations from the various action teams to avoid unnecessary duplication of effort

Support Needed

- Approval for the Regional Intensive Geo-spatial Training pilot in Virginia's Northern Shenandoah Valley
- Opportunity for action team members to participate in follow-on activities

Communicating The Message

1. *Business Case Team*

Team Leads and Members

Doug Nebert	FGDC (Co-Lead)
Anne Frondorf	USGS
Dave DiSera	GITA (Co-Lead)
Dave Halsing	USGS
Jill Saligoe-Simmel	IUPUI
Leticia Ozuna	IONIC Enterprise
Mark Bradford	BTS
Mike Thomas	ASPRS
Sam Bacharach	OGC
Tricia Weir	NASA
John Robillard	Air Force Space Command

Major Areas of Responsibility

- Compile and develop a series of business cases documenting the value of collaborative development and access to geographic data and services to government, business, and academia, including:
 - review literature and select current practices regarding case studies and cost-benefit analyses with respect to the value of collaborative development and access to geographic data and services,
 - collaborate with the FGDC-sponsored multi-organizational enterprise architecture activity focused on the development of common reference models that promote access to geographic data services for multiple purposes,
 - document and publish selected business cases that illustrate the value of collaborative development and access to geographic information and services for selected audiences, and
 - provide selected audiences the clear and concise documentation in order for them to make better investment decision-making regarding the use of geographic information and services.

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- Present findings of the Business Case Action Team to the FGDC Coordination Group in order to obtain buy-in and approval.

Major Accomplishments to date

- Convened cross-sector Action Team (see list above).
- Held 5 teleconference calls with Action Team members. This resulted in:
- Creation of the Business Case Charter and Action Plan (draft and final)
- Configuration of the QuickPlace online room for document access, storage, and management by Action Team members
- Research and inventorying of potential business case examples (stored in QuickPlace)
- Summary of collected business case examples (stored in QuickPlace)
- Coordination with GITA's ROI Research Project team, including the potential to participate in their ROI case study phase

Activities in Progress / Next Steps

- Select governmental and private sector case studies that help illustrate cost-benefit and ROI of spatial data within/ between operations.
- Collaborate with the FGDC-sponsored multi-organizational enterprise architecture activities.
- Continue to collaborate with GITA Research Committee involved with their GIS ROI Research Project.
- Develop and present draft direction/findings to Coordination Group.
- Write and publish business case studies.

Performance Measures

- Completion of the business case inventory.
- Selection of several multi-agency business case candidates for conducting a case study.
- Documentation of case study results.
- Buy-in and cooperation are obtained from the FGDC Coordination Group with the findings.

Issues / Concerns / Barriers

- Despite the Action Team's best efforts, the challenges of our jobs continue to limit the participation of many of the Action Team members during our conference calls. We typically have 3-5 members that regularly participate in the calls. This has resulted in a couple of conference calls being rescheduled and falling behind schedule of our Action Plan.
- Limited material on actual case studies documenting cost/benefit and return on investment results that are measurable. This has slowed progress of our literature review.

Coordination with NGPO Study Teams

- This Action Team has not had any contact with NGPO Study members up to this point in the project.

Support Needed

- Approval from FGDC Staff Director for travel in order to have a working session among team members.
- Leadership from Tricia Gibbons in conducting working session.
- Need to inform and involve NGPO staff (including FGDC staff), FGDC Coordination Group, FGDC Subcommittees and Working Groups, and other stakeholders.
- This Action Team needs to interact with the members of the FGDC and GITA in order to identify potential case study candidates.

2. Communications Action Team

Team Leads and Members

Lesley Ogrosky	FGDC (Co-Chair)
Leslie Wollack	FGDC/GOS (Co-Chair)
Tricia Gibbons	Lead Alliance (Consultant)
Alison Dishman	FGDC
Carol Brandt	DOT/BTS
Stu Davis	State of Ohio
John Clark	GSA
Karen Wood	USGS
Denver Beaulieu-Hains	USGS
Pat Hytes	USGS
Robin Fegeas	USGS
Shirley Hall	USDA
Bob Samborski	GITA
Linda Shaffer	FWS

Major Areas of Responsibility

- Convene diverse team to develop strategic communications plan that involves wider geospatial community
- Develop “messages” on value of geospatial information for use in communications activities and can be used by FGDC member agencies
- Coordinate communications activities within newly formed NGPO
- Develop communications plan and framework for action outlining FGDC leadership and activities that will be adopted and coordinated among FGDC member agencies and wider geospatial community

Major Accomplishments to date

- Team Charter approved September 2004

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- Conducted Coordination Group exercise and team follow-up to develop effective messages
- Coordinated with NGPO Communications and The National Map to develop joint communications plan and develop joint activities agenda
- Presented Strategic Communications Plan to Coordination Working Group, January 11

Activities in Progress / Next Steps

- Coordinate with other action teams to support their activities, highlight areas of potential overlap
- Develop action plan
- Work with Coordination Group members to encourage participation in near term and long activities underway
- Incorporate suggested changes in Strategic Plan based on comments and suggestions from Coordination Group members
- Adopt Strategic Plan and send to Steering Committee for approval
- Development of performance measures

Performance Measures: Development of Performance Measures will be based on the following activities.

- Review/Update of publications
- Development of PowerPoint presentation on messages and NSDI goals for adoption by Coordination Group members
- Web redesign in coordination with NGPO
- Write three articles for publication in trade journals or FGDC partner organizations
- Develop action/work plan that incorporates communications goals and suggestions of 50 States action team
- Work with Governance action team on their communications and outreach activities
- Coordinated conference activities with NGPO/The National Map
- Communications/outreach on CAP grant
- Communications support to promote current CAP grant recipients

Issues / Concerns / Barriers

- Current staffing issues within FGDC and division of responsibilities
- Overlap among other Future Directions and NGPO activities
- Coordinating among FGDC partners to gain the support of their communications staff

Coordination with NGPO Study Teams

- Communications team members also serve on NGPO Study teams and to align activities

Support Needed

- Agenda item on Coordination Group agenda to discuss messages and next steps
- Meeting with FGDC Staff Director & Deputy Director to determine specifics of work plan
- Continued support of consultant to carry out short term action items, develop action plan
- A short monthly email from the Director to the Steering Committee reflecting progress and important items
- Points of Integration – 50 States Initiative Chair, NGO Team, Governance Team Chair

3. Training and Education Team

Team Lead and Members

Sharon Shin	FGDC(Team Lead).
Lynda Wayne	FGDC
Bonnie Gallahan	FGDC
Doug Nebert	FGDC
Milo Robinson	FGDC
Julie Binder-Maitra	FGDC
David Painter	FGDC
Jeffery Hamerlinck	Wyoming Geo. Information Science Center
Other Reviewers- Federal, academic, and private sector	

Mission: The NSDI Training-Education Team strives to aid the implementation of FGDC programs: Metadata, Framework, and Clearinghouse/Portal through training and education resource development and outreach.

Accomplishments

- Draft Charter distributed for comment.
- Two Train the Trainer workshops scheduled for 2005. April: NOAA instructor at Texas A & M. June: USGS-BRD-NBII instructor in Denver.
- Association of American Geographers Annual Meeting developed discussion panel on effectiveness of standards training and skills development for GIS careers. Fed, State, and University discussants. April 5-9 2005, Denver.
- New cooperative agreements program category established to support training and education--category description under development.

In Progress/Next Steps

- Statement of Work is under review for Clearinghouse/Portal multi-tiered training materials development.

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- Workshop for Framework Transportation training goals and objectives scheduled February 4, location TBD.
- Convene training goals and objectives workshop for remaining Framework themes in summer 2005.
- Working with academic community to identify potential leadership to develop academic implementation strategies for Framework integration.
- Pursue partnership with lead trainer for USGS CR that is investigating metadata training via broadcast technology.
- Research alternative training methods including on-line and satellite technology, including OPM's Training and Management Assistance Program to develop on-line training suites through existing OPM contracts (<http://opm.gov/hrd/tma/index.asp>).

Performance Measures

- Training materials and resources available through the FGDC website.
Metadata- Learning objectives and goals for all existing materials including presentations by 6/2005.
Clearinghouse/Portal: Goals and objective developed by 2/2005
Base training materials developed by 6/2005
Framework: Transportation: Goals and objectives developed by 2/28/2005
Base training materials developed under contract by 08/2005.
Framework: All others: Goals and objectives developed by end of 3rd quarter 2005 through mini-workshop held in DC at TBD site.
Base training materials developed by end of 1st quarter 2006.
- Implement Train the Trainer model
75% of all training performed external to FGDC staff.
Metadata: 2005
Framework: 2007
Clearinghouse/Portal 2007

Issues/Concerns/Barriers

- Train-the-Trainer model implementation- in academia metadata is typically integrated into GIS courses and as a result difficult to measure. Metadata training workshops are often not posted to the FGDC calendar. Extensive outreach and community buy-in to effectively measure performance.

Coordination with NGPO Study Teams

- None

Support Needed

- Financial support for academician to lead effort to develop a strategy to incorporate framework standards and national initiatives into GIS courses and GIS certificate programs.
- Financial and logistical support to host a Summit for developing a strategy to incorporate framework standards into Geospatial curriculums.
- Financial support to implement alternate training methodologies: on-line, broadcast, satellite.
- Staff support/Financial support for updating and adding lesson plans and learning goals and objectives to existing FGDC developed/supported training materials hosted on FGDC website.

Making Framework Real

1. Framework Standards

Team Leads and Members

Julie Maitra	FGDC (Project Manager & Team Lead)
Fred Broome	Lockheed Martin (contract support)
Lou Kerestesy	Consensus Systems (contract support)
Maureen Findorff,	SRA International (contract support)
Doug Black	SRA International (contract support)

Federal theme leads:

Bob Ader, BLM – Cadastral
Robin Fegeas, USGS – Digital Orthoimagery
Rick Pearsall, USGS – Elevation
Joe Evjen, National Geodetic Survey – Geodetic Control
Randy Fusaro & April Avnayim, Census – Governmental Units Boundaries
Bob Pierce & Doug Nebert, USGS – Hydrography
Carol Brandt, Bureau of Transportation Statistics (BTS) – Transportation
Mark Bradford, BTS – Transportation – Roads
Derald Dudley, BTS - Transportation – Rail
Matthew Shepard, BTS - Transportation – Transit
Steve Lewis, BTS - Transportation – Air
Kevin Mullane, Transportation – Inland Waterways

Major Areas of Responsibility

- Obtain ANSI approval of framework data standards
- Implementation of framework data standards and data models through Web services

Major Accomplishments to date

- Public review period closed November 15, 2004

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- We estimate that 40,000 to 100,000 geospatial professionals were made aware of the public review through publications and Email lists
- 4950 comments received during public review
- A statistical report was created to show number of comments by framework data standards and by segment of geospatial data community.
- Federal theme leads identified public review comments that affected all themes (cross-cutting issues) and proposed responses to be discussed in an upcoming editing committee meeting.

Activities in Progress / Next Steps

- A meeting to adjudicate cross-cutting issues is scheduled for February 1-2, 2004.
- The Project Manager and contract support are reviewing and prioritizing cross-cutting issues to take maximum advantage of the February 1-2 meeting time.
- Federal theme leads will use consensus decisions developed from the February 1-2 meetings to guide adjudication of comments on individual framework data themes and revise individual drafts on the basis of comment adjudication.

Performance Measures

- Recommendation by INCITS L1 (by 30-day letter ballot) of the revised draft standards for further processing for ANSI approval

Issues / Concerns / Barriers

- Political expectations and deadlines
- Adjudicating nearly 5000 comments received during public review
- The Project Manager and contract support are communicating with FGDC management about the requirements of the ANSI/INCITS standards process and the time it will take to accomplish tasks.
- The near-term tasks for adjudicating the nearly 5000 comments from public review.

Coordination with NGPO Study Teams

- Not applicable – no contact with NGPO Study Team members

Support Needed

- FGDC Project Manager and contract support has requested intervention from FGDC management with political issues, which they do not have the authority or influence to resolve.
- FGDC Project Manager and contract support seek cooperation from all Federal theme leads and editing committees in completing work so that it will pass INCITS L1 ballot.
- Key Persons involved
 - Ivan DeLoatch, FGDC Staff Director
 - Leslie Armstrong, FGDC Deputy Staff Director

- Doug Nebert, FGDC Secretariat, for UML and GML modeling issues
- Norm Andersen, Chair, INCITS Technical Committee L1, Geographic Information Systems

2. Team to Identify New Themes for Standards Development

Team Leads and Members

Julie Maitra	FGDC
Sam Bacharach	Open Geospatial Consortium
Kevin Kirby	EPA
Tony Lupien	TeleAtlas
Scott Oppmann	Oakland County, MI

Major Areas of Responsibility

- Identify data themes of national significance that require standards development so that standards development can begin later this year.
- Obtain buy-in from stakeholders for standards development, especially those stakeholders who will be responsible for standards development and maintenance after approval.

Major Accomplishments to date

- Cross-sector planning team convened (see above).
- Two telecons with planning team members were held on December 8, 2004 and January 14, 2005.
- Updated action plan submitted by December 3, 2005.
- Conducted outreach to New York State GIS Standards and Data Coordination WG (2004-11-16) USDA Geospatial Coordinating Committee (2004-11-18), and FGDC Vegetation Subcommittee (2004-12-15).
- Potential data themes that have been identified for standards development include facilities, addressing, hydrologic units, soils, and land cover. A Shoreline Data Content Standard is already in development through the FGDC standards development process. Kevin Kirby has suggested creating a standard for polygons for projecting classification schemes onto land areas for web mapping services.

Activities in Progress / Next Steps

- Conduct a literature review that might include the 2004 NSDI Implementation Reports, Federal Enterprise Architecture documents, and the 2004 NSGIC State summaries (<http://www.nsgic.org/review/NSGIC04.pdf>)
- Conduct facilitated sessions to identify data themes that require additional standards development and to seek buy-in from stakeholders:
 - Upcoming FGDC Coordination Group meeting
 - NGPO, comprising Geospatial One-Stop, The National Map, and FGDC staff
 - NSGIC Mid-Year conference, March 13-16, 2005

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- Interviews with geospatial professionals
- Explore new ways that the FGDC Cooperative Agreements Program (CAP) can be used for standards development.

Performance Measures

- Identify performance indicators you will use to measure success
- Proposals for standards development are approved by FGDC Standards Working Group or INCITS Technical Committee L1, as appropriate.
- Buy-in and cooperation are obtained from Lead Federal agencies or other organizations that will be developing the standard or maintaining the standard after approval, as identified in OMB Circular A-16.

Issues / Concerns / Barriers

- There were plans to hold a facilitated session on standards development at the ESRI Federal Users Conference, but an editing committee for framework data standards has pre-empted this facilitated session. However, “next steps” list other opportunities for facilitated discussion.
- Despite Ms. Maitra’s best efforts to schedule a January 2005 teleconference, prior to the submission of this quarterly report to accommodate all planning team members, only Kevin Kirby participated. Tony Lupien wrote afterwards to convey his regrets, as a vendor kept him longer than expected.
- Pressures to get the existing framework data standards approved by ANSI might delay accomplishment of the action plan for standards development for additional themes. Once INCITS L1 has approved the framework data standards for further processing for ANSI approval, Ms. Maitra will have more time to devote to implementing this action plan.

Coordination with NGPO Study Teams

- Not applicable – no contact with NGPO Study Team members

Support Needed

- Approval from FGDC Staff Director for travel to meetings for facilitated discussions, particularly those that take place out of town.
- Leadership from Tricia Gibbons in conducting facilitated discussions.
- Assistance from others in carrying out literature review:
 - Someone like Elliott Christian, who is knowledgeable about Federal Enterprise Architecture (FEA), to distill information from various FEA reference models to help identify business cases for data standards.
 - Bill Burgess or NSGIC Board of Directors might be able to distill findings about standards in NSGIC 2004 State summaries.
 - FGDC Coordination Group members and Alison Dishman might be able to distill findings about standards in 2004 NSDI Implementation Reports

- Need to inform and involve NGPO staff (including FGDC staff), FGDC Coordination Group, FGDC Subcommittees and Working Groups, and other stakeholders.
- This action team needs to interact with the following action teams:
 - Implementing Standards & Web Protocols
 - Urban Areas
 - Governance Model of the NSDI
 - Fifty States Contributing to the NSDI
 - Engaging Non Geospatial Organizations

3. Publishing Metadata Team

Team Lead and Members

Lynda Wayne	FGDC / GeoMaxim (Team Lead)
Sharon Shin	FGDC
Tom Bobbe	US Forest Service

Major Areas of Responsibility

- Instill metadata creation among FGDC member organizations
- Support metadata publication via geodata.gov
- Foster creation of sustainable metadata programs within FGDC member organization

Major Accomplishments to Date

- Established Agency metadata performance measures
- Designed and developed FGDC Member Agency Metadata Profile that will be used to characterize status of Agency metadata implementation and identify key Agency metadata contacts
- Interviewed 10 state GIS coordinators via NSGIC to establish state metadata point of contacts.

Activities in Progress

- Distribute and compile FGDC Member Agency Metadata Profile
- Integrate FGDC Member Agency Metadata Profile into FGDC annual reporting format
- Continue coordination with State GIS coordinators in establishing metadata point of contact for each state
- Participate in GIS Model Curriculum review with University Consortium of GIS (UCGIS) to ensure integration of metadata concepts and practice into higher education GIS courses

Performance Measures

- Number of Federal Agencies publishing FGDC compliant metadata to geodata.gov
Baseline: Results of FGDC Member Agency Metadata Profile
- Number of States in which a Metadata Point of Contact can be established
Baseline: 2004 NSGIC State Summaries
- Successful integration of metadata concepts and practice into UCGIS Model Curriculum final product

Issues / Concerns / Barriers

- Current effort is focused on FGDC Member Agency Metadata Profile and outreach to federal members, expect to increase outreach to state and university organizations during next quarter
- Need for additional team members. Tom Bobbe added this quarter. Invitations issued to Barb White, FWS and Vivian Hutchison, NBII.

Coordination with NGPO Study Teams

- Contacted Mike Domaratz, NGPO lead for Measuring Geospatial Investments and provided metadata performance measures for potential value in his effort to assist OMB in measuring geospatial investments.

Support Needed

- FD Project Manager support needed in content review and guidance in working with the FGDC Coordination Group
- FGDC staff support needed in distribution of FGDC Member Agency Metadata Profile and other information
- Continued coordination with Training and Education Team in building metadata capabilities through education

4. Implementing Standards and Web Protocols Team

Team Leads and Members

John Evans	NASA/GST, Inc. (Lead)
Myra Bambacus	NASA (Advisor)
Paul Daisey	US Census Bureau
Liping Di	George Mason University
Robin Fegeas	US Geological Survey
Ron Fresne	ObjectFX, Inc.
Leonard Gore, Jr	Bureau of Land Management
Ken Keiser	University of Alabama at Huntsville
Steve Marley	Raytheon Co.
Paul Martin	Mecklenburg Co., North Carolina
John Moeller	US Geospatial Intelligence Foundation
George Percivall	Open Geospatial Consortium

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Major Areas of Responsibility

- Create educational materials & guidance for providing access to data through services with open interfaces
- Exercise FGDC's mechanism for endorsing outside standards
- Articulate GIRM - FEA links, and use this as a springboard for interaction / outreach to OMB and agency CIOs

Major Accomplishments to date

- Initial team teleconference; setting priorities and monthly mtg. schedule

Activities in Progress / Next Steps

- Drafting the charter and work plan

Performance Measures

- Release of educational materials (online, printed, and/or published)
- FGDC SWG endorsements of outside standards

Issues / Concerns / Barriers

- None.

Coordination with NGPO Study Teams

- Plan to interact with the Standards Working Group and Training & Education teams.

Support Needed

- None.

5. Urban Areas

Team Co-conveners and Members

Kathy Covert (co-convener)	USGS/NGPO/FGDC Secretariat
Twyla McDermott (co-convener)	City of Charlotte, NC
Eric Anderson	City of Des Moines, IA
Tim Case	Parsons Brinckerhoff
Michael Domaratz	USGS/NGPO
Kevin Hope	USGS/NGPO
Alan Leidner	Booze Allen Hamilton
Sonny Parafina	Ionic Enterprises

Major Area of Responsibility

- Define a set of processes and products toward a sustainable urban data framework

Major Accomplishments to date

- Drafted charter

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Activities in Progress/Next Steps

- Scoping urban data framework experts workshop & report

Performance Measures

- Tasks result in high quality deliverables delivered on time and within budget.

Issues/Concerns/Barriers

- None

Coordination with NGPO Study Teams

- For definition of cross-jurisdictional business cases: Business Case team

Support Needed

- None