Overview of the FGDC Metadata Summit 2011

Viv Hutchison, USGS

Summit Overview

- Dates: October 26-27, 2011
- Location: USGS Headquarters (Reston, VA)
- Purpose: To cooperatively determine a course of action for moving forward with ISO metadata implementation

- Day 1: ISO Training (optional) – 25 participants
- Day 2: Metadata Summit – 52 participants

Summit Planning Committee

◆ Viv Hutchison, USGS

◆ Jennifer Carlino, USGS

◆ Lynda Wayne, FGDC Office of the Secretariat

◆ Brigitta Urban-Mathieux, FGDC Office of the Secretariat

◆ Jacqueline Mize, NOAA

Summit Participant Affiliations

- BOEM
- Census
- DHS
- DOT
- EPA
- FAA
- FGDC
- Forest Service
- HUD
- Library of Congress
- NGA
- NOAA
- NPS
- NRCS
- USGS

- USACE

- CIESIN, Columbia University
- ESRI
- DISDI Program
- Innovative Solutions International
- NJ Office of Information Technology
- Rahall Transportation Institute
- The SI Organization
- Valtus Imagery Services
- Westat

Overview of Training Agenda (Day 1)

- **Morning:**
  - Transitioning 101
  - ISO 191** Content and Organization
  - XML Basics

- **Afternoon:**
  - ISO 191** Content Detailed Review
  - Tools for Creating and Editing ISO Metadata
  - ISO Creation Methods
  - Validation Techniques

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Overview of Summit Agenda (Day 2)

- ◆ Morning: Presentations on Status of ISO…

  - **ISO Standards: Status, Tools, Implementations, and Training**: Aleta Vienneau, ESRI

  - **Applications and Tools**: Jacqueline Mize, NOAA

  - **Geospatial Platform Update - Migration of GOS to Data.gov**: Rob Dollison, USGS

  - **ISO Metadata Implementation**: Ted Habermann, NOAA

  - **Training and Education**: Jacqueline Mize, NOAA

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Overview of Summit Agenda (Day 2)

◆ Afternoon: Breakout Groups

- ISO Implementation
- ISO Applications and Tools
- ISO Education

Purpose:

- Identification of Common Issues
- Recommendations for Common Solutions

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Breakout Group Descriptions

◆ ISO Implementation:

Topic - Issues related to the integration of a the ISO metadata standard into the geospatial data management and workflow

Question: *Assuming that the standard is stable and tools and training are available, what workflow and management challenges do you face in transitioning your organization from the CSDGM to ISO metadata?*

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Breakout Group 1 - ISO Implementation Recommendations:

◆ **Issue 1: Need for a compelling case for ISO metadata implementation**

◆ Recommendations:

- Demonstrate benefits to using ISO (e.g. ability to document services)
- Demonstrate opportunity in transitioning (e.g. opportunity to review/clean up metadata holdings)
- Develop and promote comprehensive ISO tools and metadata demonstration projects
- Identify ISO metadata features that can be tied to the general mission of organizations (e.g. data sharing)
- Identify ISO metadata features that can be tied to key initiatives (e.g. Geospatial Platform)

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◆ Issue 2: **Need to establish ISO metadata implementation directives from above**

◆ Recommendations:

   ■ Draft and promote federal language specific to ISO metadata implementation

   ■ Draft and promote ISO metadata implementation directive model language for use by non-federal organizations

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◆ Issue 3: **Ability to learn from and build upon one another's implementation efforts**

◆ Recommendations:

- Establish an ISO metadata implementation wiki workspace

- Regular webinars that feature ISO implementation efforts & outcomes

Breakout Group Descriptions

◆ ISO Applications/Tools:

Topic - Issues related to the tools needed to effectively create, transform, validate, and publish ISO metadata

Question: *What specific application capabilities are needed to support ISO metadata within your organization?*

◆ Issue 1: **Lack of Comprehensive User-Friendly Tools**

◆ Recommendations:

- Wait for final draft schema and volunteer to review standards documents

- Provide good guidance for use of tools

- Update FGDC tool review by vendors

- Provide desired requirements list to vendors

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◆ Issue 2: **Schema Development not in step with Standard Development**

◆ Recommendations:

- Wait until UML is stable and communicate standards updates to community
- Communicate and provide a better understanding of the standards process
- Create mailing lists to provide updates on ISO status

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◆ Issue 3: **ISO 19115-2 records not available for publishing**

◆ Recommendations:

- Have geo.data.gov and data.gov provide ISO 19115-2 support

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Breakout Group Descriptions

◆ ISO Education:

Topic - Issues related to outreach and training required to support transition to ISO metadata including: guidance documents, instructional materials, promotional materials, tutorials, websites, and training events

Question: *What training and outreach resources are needed to support the transition from CSDGM to ISO metadata?*

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◆ Issue 1: **There is uncertainty in government agencies about which standard to choose <u>right now</u> – FGDC, ISO, etc.**

■ Offer situational "use cases" and workflow solutions (ie: decision tree) for making decisions about immediate standards choices

Breakout Group 3 – ISO Education Recommendations:

◆ Issue 2: **Training is expensive and travel budgets are tight.**

◆ Recommendations:
- Develop and host webinar training in addition to classroom training
- Offer recorded sessions where users can attend on their own schedule
- Leverage cross-agency resources to support training requests

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Breakout Group 3 – ISO Education Recommendations:

◆ Issue 3: **Existing ISO training is focused on the advanced metadata practitioner**

◆ Recommendations:

- Develop a 3-tiered approach to training (Beginner, Intermediate, Advanced)

- Consider a "role-based" approach based on the audience (data manager, scientist, etc)

- Offer Train-the-Trainer for current FGDC metadata trainers to transition to teaching ISO at all levels

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Feedback Summary

◆ Audience Assessment indicated high satisfaction for:

- Summit as a good forum to communicate about ISO implementation

- Quality of presentations (informative and good foundation for discussion)

- Breakout groups well facilitated

- Opportunity to express opinions and ask questions

- Information will aid in job performance

Feedback Summary

◆ Overall recognition that Federal agencies should be moving to ISO now

◆ Participants saw value in implementation of ISO on a larger scale

◆ High interest in seeing another Summit offered within 6 months

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Next Steps: Summit Outcomes

◆ Webinar: December 7th

- Geared to participants unable to make it to the Summit

- Overview of the Summit and gather input on breakout group topics

◆ Workshop Report

- Summarizing the discussions, challenges and recommendations

Thank you for your time…Questions?