WELCOME TO THE ISO METADATA IMPLEMENTATION FORUM

Jennifer Carlino
US Geological Survey
and
Federal Geographic Data Committee
jcarlino@usgs.gov

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Offer a webinar information series for the presentation & discussion of ISO geospatial metadata standards implementation efforts through shared experiences, strategies, topics, & resources.

Audience: FGDC Metadata Working Group & other interested participants

Presenters: Community participants willing to share their expertise in common interest areas

Anticipated Outcome: Each session documented & available at the FGDC Metadata website; stimulate ideas and promote use

http://www.fgdc.gov/metadata/events/iso-geospatial-metadata-implementation-forum/index_html
ISO Implementation
Work Flow Experience

- Kimberly Durante
  Stanford University Library

- Steve Richard
  Arizona Geological Survey

NEXT MONTH:
AUGUST 13, 2014

July 9, 2014
ISO Metadata Implementation Forum
Suggestions to date:

- Community Profiles
  - North Carolina State and Local Government Profile
- Transforming CSDGM to ISO: step by step
- What’s New with ISO 19115-1?
- *(your idea here)*
If you are interested in presenting or have other topic suggestions, please send ideas to Lynda Wayne (Lwayne@usgs.gov) or Jennifer Carlino (jcarlino@usgs.gov)

Presentation Materials & Information will be available at:

http://www.fgdc.gov/metadata/events/iso-geospatial-metadata-implementation-forum/index_html
Use Lecture Mode during presentations

Please use the chat box for questions
  - Will answer as many questions as possible
  - Distribute summary of questions/answers afterwards

Forum will be recorded

Participate in as many Forum sessions as you like

Presentations, Questions/Answers, and Recordings will be posted at:

http://www.fgdc.gov/metadata/events/iso-geospatial-metadata-implementation-forum/index_html
ISO IMPLEMENTATION
WORK FLOW MODEL

Lynda Wayne
FGDC / GeoMaxim
Lwayne@usgs.gov
For agencies interested in ISO metadata implementation, it’s difficult to know where to start and perhaps, more importantly...

where to start

and perhaps, more importantly...

where you are going

Which standard?
More than one standard? Using what editor? Learn UML?...
WHY A WORK FLOW MODEL?

The following model is meant as a general roadmap. Agencies are encouraged to:

- Review the model
- Identify relevant components
- Adapt the model

Don’t be limited by linear presentation, move forward on implementation where you are able.
ESTABLISH METADATA FOUNDATION

Inventory

• Metadata Holdings – what to keep & improve
• Staff – data developers, technical, admin, a champion
• Policies – to create, publish & promote metadata
• Tools – metadata creation, management, publication
• Community - existing work groups and outreach
• Training – needs, capabilities, opportunities
• Infrastructure – creation, review, manage, distribute
• Standards – in use & value/shortcomings

Address Shortcomings
DEVELOP AN IMPLEMENTATION PLAN

Build a Team
- technical and management staff
- all stages of data development
- identify an administrative champion
- assign member roles for both planning and implementation

Select Standards
- just starting out = 19115-1
- imagery/collection data = 19115-2
- GIS data (entity/att) = add 19110
(see fgdc.gov/metadata)
- access standards docs and supporting resources
DEVELOP AN IMPLEMENTATION PLAN

Select an ISO metadata editor

- data development software internal
- stand-alone w/auto capture
- xml editor
- FGDC ISO Metadata Editor Registry

Build an organization template

- incorporate affiliate standards into single record
- include standardized language and fixed content (liability statements, distribution methods, keywords/thesauri, etc.)
DEVELOP AN IMPLEMENTATION PLAN

Build a metadata component library

• key contacts and departments
• source data
• methodologies
• projects, sensors, etc.

Determine unique identifier assignment

• determine if organizational practices and policies exist
• identify, explore and evaluate options
Develop and document a metadata transform approach

- which metadata to transform
  - all
  - strategic (framework, distributed, corporate...)
  - as accessed, used, shared, published
- transformed via
  - metadata editor/application
  - XSLT
  - publication to data.gov or other ISO-enabled catalog
- post transform edits
  - correct/adapt
  - preserve
Establish a metadata policy

- form: directive or guidance?
- agency/units to which it will apply
- requirements (based on plan components above)
  - standard
  - editor
  - components
  - unique identifiers
  - transform approach...
- timeline for implementation
  - creation of new metadata
  - transform existing metadata
Establish or enlist ISO training and outreach

- explore existing training (online, classroom) and materials
  - NOAA NCDDC webinar training and resources
  - conferences and workshops
  - FGDC website (redesign underway)
- develop or procure custom training
IMPLEMENT ISO METADATA

- Participate in community
- Inform & educate staff
- Create ISO metadata
- Train creators
- Revise plan
- Pilot implementation
MAKE IMPLEMENTATION YOUR OWN

Learn from the experiences of others (August 9th ISO Forum)

Take what is relevant

Proceed in a manner that supports your operations and community

Participate in the dialog – share your experience
DISCUSSION

- Which components of the work flow will resonate with your organization?
- Which components of the work flow will present challenges to your organization?
- Who in your organization is best suited to lead the ISO implementation effort?
- What additional resources (guidance, community workspace, mentor, training, etc.) are needed to move your organization toward ISO?
- **What is your next step toward ISO implementation?**
WORK FLOW MODEL

Establish Geospatial Metadata Foundation
- Inventory metadata resources
- Address shortcomings

Develop ISO Metadata Implementation Plan
- Establish planning team
- Select ISO standards
- Select ISO tools
- Build organizational metadata record templates
- Build metadata component library
- Determine UUID assignment
- Establish transform approach
- Establish implementation policy & timeline
- Establish training & outreach plan

Initiate ISO Geospatial Metadata Implementation
- Educate staff
- Train metadata creators
- Pilot implementation
- Revise plan based on pilot outcomes
- Create & publish ISO geospatial metadata
- Actively participate in ISO metadata aware community

Metadata Resource Inventory
- Metadata Holdings
- Staff
- Policies
- Tools
- Community
- Training
- Infrastructure
- Standards

ISO Standards
See ISO Standards Overview

ISO Tools
See FGDC ISO Tool Review

UUID Assignment
See UUID Options

Policy and Timeline
- Directive or guidance
- Applicable agencies/units
- Required plan components
- Staged timeline
  - apply to new metadata
  - transform existing meta

Training Plan
- Existing online training
- Available training materials
- Develop/procure classroom training
MORE INFORMATION AND INPUT

Lynda Wayne
FGDC / GeoMaxim
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FGDC / USGS
jcarlino@usgs.gov