Federal Geographic Data Committee

Metadata Working Group

Quarterly Telecon
December 4, 2012

Agenda

- Update on ISO Metadata Editor Review
- Discuss/Approve MWG Charter Revision
- 2012 CAP Updates
- News from the Field

ISO Metadata Editor Review

Discuss progress

ISO Metadata Editor Review

- Last updated August 2010
- Organized into four tables each with multiple features/elements
  - o Operating Environment
  - o Metadata Development
  - o Metadata Management
  - o User Review

http://www.fgdc.gov/metadata/iso-metadata-editor-review

ISO Metadata Editor Review

OPERATING ENVIRONMENT	CATMDEdit v.4.5	ESRI ArcCatalog v9.3	ESRI Geoportal Extension v9.3.1 sp1	GeoNetwork v2.4.1	IME v4.1	INSPIRE Metadata Editor v1.06	M3CAT v1.6	MetaD v3.0.5	MetaGenie v2.0	Preludio v2.1	TerraCatalog v2.2
Supported Standards	The editing environment includes elements from the following ISO standards:										
ISO 19115 Geospatial Metadata	■	■	■	■	■	■	■	■	■	■	■
ISO 19110 Feature Catalog	■							■			
ISO 19119 Services			■	■		■				■	■
North American Profile (Planned)		■	■	■			■				
Other Standards	■		■	■		■	■		■	■	■
Interface	The following interface environments are available for editing:										
GUI	■	■	■	■	■	■	■	■	■	■	■
XML	■		■	■				■			■
Other Interface Environments	■		■								
Application Environment	The application runs as:										
Desktop - Stand Alone	■	■		■	■		■	■	■		
Desktop - Network	■	■		■			■	■			
Online			■	■		■			■	■	■
Other Environment				■							

ISO Metadata Editor Review

Issues

- Out of date
- Large & multiple tables difficult to present/navigate
- Discrete elements limit vendor ability to fully describe capabilities
- Information collection/compilation via email and spreadsheets cumbersome

ISO Metadata Editor Review

Proposed Approach – Format

- o Limit table, i.e. quick view, to critical assessment features (≤10)
what do I need to know to know if I want to know more?

  - mandatory for participation

  - easier to present and read

- o Use free text questions to prompt for additional information

  - optional

  - enables more robust feature descriptions

ISO Metadata Editor Review

Proposed Approach – Process

- online data entry
- minimal editing/processing required
- information available as processed

ISO Metadata Editor Review

Critical Assessment Features
and
Descriptive Questions

DRAFT

Discussion on the following information will be limited due to the large number of participants. Please note any questions/comments and follow up or join the IMER Team via email - Lynda@GeoMaxim.com

ISO Metadata Editor Review
Critical Assessment Features
Mandatory

1. Metadata Content Standards Supported
    indicate *full, partial or mandatory only*
    - ISO 19115:2003 – Metadata
    - ISO 19115-2 – Gridded Imagery Extension
    - ISO 19110 – Feature Catalog
    - ISO 19119 – Services
    - *Plans for* ISO 19115-1
    - Other

2. User Interface
    - GUI
    - XML
    - Other

ISO Metadata Editor Review
Critical Assessment Features
Mandatory

3. Operating Platform
    o   Desktop
    o   Distributed/Enterprise
    o   Online Application
    o   Other
4. Proprietary Nature
    o   Open Source (public)
    o   Source Code Available (customers)
    o   Free or Shareware
5. XML Capabilities
    o   Supports Use of XML Attributes (href, nilreason, etc.)
        XML 'adjectives' that enable information beyond specified domain
    o   Xpath version

ISO Metadata Editor Review
Critical Assessment Features
Mandatory

6. Auto-populate Metadata
   - From Data:
     - Geospatial, e.g. GIS, IP, GPS
     - Non-geospatial, e.g. spreadsheet, dbase, etc.
   - From Services

     ? include specific service standards/types, e.g. OGC, other?

7. Validation Operations
   - Compliance to ISO 19139
   - Compliance to User-defined Schema
   - Compliance to Other Standard
   - Batch Validate
   - Validate Incomplete Record
   - Error Report Includes Warnings / Guidance
   - URL Validity Testing
   - Other

ISO Metadata Editor Review
Critical Assessment Features
Mandatory

8. Metadata Record Import Operations
   - Import FGDC CSGDM
   - Import FGDC CSGDM – Biological Profile
   - Import FGDC CSDGM – Remote Sensing Extension
   - Import Other Metadata Standards/Formats
   - Batch Import
   - Other

9. Metadata Record Export Operations
   - Export FGDC CSGDM
   - Export FGDC CSGDM – Biological Profile
   - Export FGDC CSDGM – Remote Sensing Extension
   - Export Other Metadata Standards/Formats
   - Batch Export
   - Other

ISO Metadata Editor Review
General Feature Descriptions
Optional

Operating Environment

Describe the general operating environment specifying operating system(s), data storage format, programming languages, 3rd party software requirements and whether the editor is embedded within or a component of another software application.

Support Features

Describe the user support features provided within the application including drop-down pick-lists, links to metadata element definitions, embedded thesauri, spell check, conditionality/compliance indicators, interactive content guidance, geographic extent maps/calculation, indicate workflow status (draft, validated, published, etc.), user manual, online tutorials, etc.

ISO Metadata Editor Review
General Feature Descriptions
Optional

Edit Operations

Describe the metadata editing operations within the application including edit language(s), ability to build/apply templates, duplicate records, reuse portions/snippets of existing metadata, construct parent/child metadata, save incomplete record, batch edit, embed attachments, etc.

Customization

Describe the ability to customize the application including the ability to change the interface, set conditionality, create new elements, expand/constrict domains, integrate custom thesauri and templates, etc.

ISO Metadata Editor Review
General Feature Descriptions
Optional

Metadata Management

Describe the metadata management capabilities including ability to search metadata record elements or full text, find/replace info, delete records, batch delete, set access restrictions, require administrative record approval, etc.

Metadata Output Format

Describe the metadata output formats generated including ISO 19139 XML, non-19139 XML, HTML, PDF, text, RSS, User-defined style sheets, etc.

Metadata Publication

Describe any metadata publication capabilities provided.

ISO Metadata Editor Review Next Steps

December

- o Circulate draft to review team and revise content based on input

January

- o Develop and pilot an FGDC web application for data entry

~March

- o Announce availability via the metadata list server and other relevant groups

Metadata Working Group Charter Revision

Discuss and Approve Final Version

Charter Revision Process

- Sent draft Charter to MWG on Nov. 2

- Comment period through Nov. 20

- Incorporated feedback into latest version sent Nov. 30, 2012

- Work plan requirement - outstanding issue to be resolved in December/January

- Once determined, final Charter to be presented at CG meeting (Jan/Feb 2013)

Summary of Comments

- 9 sets of comments
- Editorial, organizational, or expanded content
- Key content changes:
  - Kept reference to Open Geospatial Consortium (OGC) – may be applicable to MWG through Platform (Pg. 1 – Purpose)
  - Inserted reference to supporting the metadata business case (Pg. 2 – Objectives)
  - Added assigning MWG representative to the Standards Working Group (Pg. 2 – Activities)
  - Added "promoting" to training bullet (Pg. 2 – Activities)
  - Added link to Membership page (Pg. 3 – Membership)

Charter Approval

Recognizing that the discussion about the work plan requirement is underway –

- Other comments on the Nov. 30 draft
- Tentatively approve pending work plan requirement
- Voice vote

2012 CAP Projects Update

Project Leads Report on Activities

Category 1 Projects

- **Alaska: Metadata Trainer & Outreach**
  Nicholas Mastrodicasa

- **Sonoma Ecology Center: Metadata Training and Support for Conservation Practitioners**
  Alex Young

- **Miami-Dade County GIS Metadata Trainer and Outreach Assistance**
  Bibi Oung

Category 2 Projects

- **Innovate! Inc. : Innovate ISO for EPA and Idaho**

   Frank Roberts

- **Washington State Department of Ecology: Promoting ISO Metadata Standards Through Application to Puget Sound Near shore Data**

   Suzanne Shull

News from the Field

Announcements from

Metadata Working Group Members

EPA News from the Field

Submitted by David Parrish, EPA

- URLS: https://edg.epa.gov/ or https://edg.epa.gov/EME/

- EPA Metadata Editor(EME) 3.2 goes to testing

- Five EME/Metadata Training Webinars Online

- Innovate Idaho ISO CAP grant

- Environmental Dataset Gateway (EDG) Enhancements

- Interagency Support (Data.Gov, USFWS, …)

Next MWG Meeting: March/April 2013

Comments and Ideas:

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