

# Federal Geographic Data Committee Metadata Working Group

*Quarterly Meeting*  
*June 14, 2017*



# Agenda

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- Announcements
- ISO Metadata Standards Update
- ISO Metadata Summit - Highlights, Recommendations, and Next Steps
- News from the Field
- Open Discussion

# Announcements

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## Update to *Metadata Recommendations Supporting Data Discovery and Use in Data.gov and the Geospatial Platform*

- Includes guidance on documenting services, collections, and the assignment of unique identifiers
- <https://cms.geoplatform.gov/resources>

## Esri User Conference – Metadata Special Interest Group (SIG)

- Wed. 7/12/2017 05:30 PM - 07:00 PM (Pacific Time)
- SDCC - Room 28 A
- Onsite and remote participation available
- More information at:  
<https://geonet.esri.com/groups/metadata/blog/2017/05/30/metadata-sig-at-esriuc>

# ISO Metadata Standards Update

Julie Maitra, FGDC



# Status of ISO Metadata Standards Endorsements

Jennifer Carlino,  
FGDC



# ISO 19115-1 Endorsement Language

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**with regard to standards deprecation...**

*The FGDC metadata program recognizes that different agencies are at varying levels of advancement in the use of metadata standards: for that reason, the FGDC will retain the FGDC Content Standard for Digital Geospatial Metadata (CSDGM) and ISO 19115:2003 as legacy standards after endorsement of ISO 19115-1:2014. The goal is to make the transition to ISO as agencies are able to do so.*

# Next Steps for ISO TS 19115-3:2016

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## From INCITS...

*19115-3 is a technical specification and will be “registered” as a technical specification in the US, not adopted as a Standard. The registration process takes about 30 days, which is months faster than what is required when adopting a Standard.*

## Next Step...

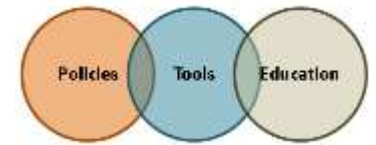
MWG to develop a proposal to recommend FGDC endorsement.

May 23&24, 2017  
ISO Geospatial Metadata Summit  
Highlights, Recommendations, and Next Steps



Jennifer Carlino, FGDC  
Lynda Wayne, FGDC Support





# ISO Metadata Summit – Tools Session

Overview and demonstrations of a variety of ISO metadata tools including editors, publication platforms, and apps for the enhancement and assessment of ISO metadata records.

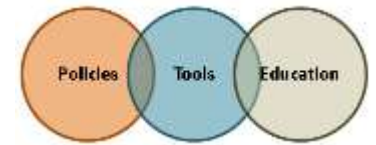
- 6 tools presented
- 42 onsite and 49 remote participants
- 19 Federal agencies

<b>USGS</b>	<b>NOAA</b>	<b>NASA</b>	<b>LOC</b>
<b>USACE</b>	<b>USDA</b>	<b>APHIS</b>	<b>FSA</b>
<b>DHS</b>	<b>FWS</b>	<b>DOD</b>	<b>USFS</b>
<b>BIA</b>	<b>BOEM</b>	<b>EPA</b>	<b>DOI/IOS</b>
<b>BLM</b>	<b>USFS</b>	<b>Census Bureau</b>	



# 2017 ISO Metadata Tools Session

Tool	Create / Validate	Assess / Enhance	Publish	Feature
Geospatial Platform		x	x	<ul style="list-style-type: none"> <li>Enhanced documentation of services using Object Editor</li> </ul>
Esri GeoPortal Server	x		x	<ul style="list-style-type: none"> <li>Support multiple standards including GeoP profile</li> </ul>
EPA Metadata Editor (EME 5.0)	x		x	<ul style="list-style-type: none"> <li>ISO 19115-1 compliant</li> </ul>
NASA Metadata Management	x		x	<ul style="list-style-type: none"> <li>Open source</li> <li>Standards agnostic</li> </ul>
NOAA Metadata Rubric		x		<ul style="list-style-type: none"> <li>Online resources</li> <li>Adaptable to other resources</li> </ul>
Alaska Consortium ISO Metadata Toolkit	x		x	<ul style="list-style-type: none"> <li>CSDGM to ISO 19115-1 transform</li> <li>mdJSON</li> </ul>



# ISO Metadata Summit

A national dialog on improving geospatial data and services discovery and use for federal and non-federal National Spatial Data Infrastructure (NSDI) stakeholders and users.

- Presentations from Federal Agencies, State Government, and the Private Sector
- Participants: 70 onsite and 31 remote
- 21 Federal agencies

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|----------------------|--------------|------------|-------------|
| <b>USGS</b>          | <b>NOAA</b>  | <b>NGA</b> | <b>EPA</b>  |
| <b>USACE</b>         | <b>NASA</b>  | <b>BIA</b> | <b>DOI</b>  |
| <b>DHS</b>           | <b>FWS</b>   | <b>DOD</b> | <b>LOC</b>  |
| <b>USDA</b>          | <b>APHIS</b> | <b>FSA</b> | <b>GSA</b>  |
| <b>BOEM</b>          | <b>NSF</b>   | <b>BLM</b> | <b>USFS</b> |
| <b>Census Bureau</b> |              |            |             |



# ISO Metadata Summit: Our Progress to Date

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ISO 19115/-1 Endorsement by FGDC

ISO Forum

ISO Implementation Workflow Model

NOAA Transforms

Benefits of ISO

ISO Metadata Editor Registry

NOAA ISO Webinars

NOAA/NASA wikis

Data.gov/POD githubs



# ISO Metadata Summit Highlights

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## Standards Update:

- ISO publication of 19115-3, in process of becoming an American National Standard
- Amendment to 19115-1 in progress adds:
  - Identifier to CI\_Party (URI for Responsible Party)
  - Scope to MD\_SpatialRepresentation
- ISO 19115-2 Part 2: Extensions for acquisition and processing
  - Defines additional metadata elements and schema XML encoding included in ISO 19115-3

# ISO Metadata Summit Highlights

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## Documenting and Utilizing Services

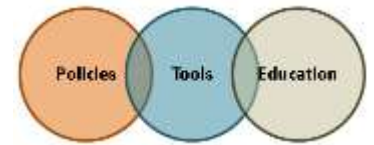
- Integration of services into Geospatial Platform
  - Geospatial Platform ISO 19115-1 Profile
  - Object Editor
- Best practices for documenting services using CSDGM, ISO 19115, and Project Open Data

## Transition Planning:

- Agency policy directive (NOAA and NCGICC), User-driven process
- Development of templates and guidance resources

## Use of Agnostic, Cross-walked Standards

- EPA Metadata Editor
- Data.gov
- Alaska Data Integration Working Group Metadata Toolkit



# ISO Metadata Summit

## Breakout sessions

- Tools  
*What tools and applications are needed to support organizations in moving forward with ISO metadata implementation? How can the Geospatial Platform be leveraged?*
- Policy  
*What policy and planning efforts and resources are needed to support organizations in moving forward with ISO metadata implementation?*
- Education  
*What education and outreach efforts and resources are needed to support organizations in moving forward with ISO metadata implementation?*



# Summit Breakout: Tools and Applications

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Guidance on using tools to document services

Validation app with easy to understand error reporting

Transform app for multiple standards that can be customized for agency/stakeholder use

Build upon AK Data Integration Working Group Metadata Toolkit (mdEditor, mdJSON, mdTranslator)

Coordinate the assignment of URIs

Library of common controlled vocabularies/taxonomies





# Summit Breakout: Policy and Planning

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- Strategy and timeline for transition to ISO metadata (deprecate CSDGM?)
- Harmonize A16, Open Data Policy, EO 12906, data management and reporting policies and practices
- NGDA Lifecycle Maturity include 19115-1 use as a metric
- Elevate geospatial data and metadata standards within agency data steering committees
- Data.gov capability to publish 19115-1 metadata
- Maintenance of CSDGM profiles in ISO, e.g. biological profile



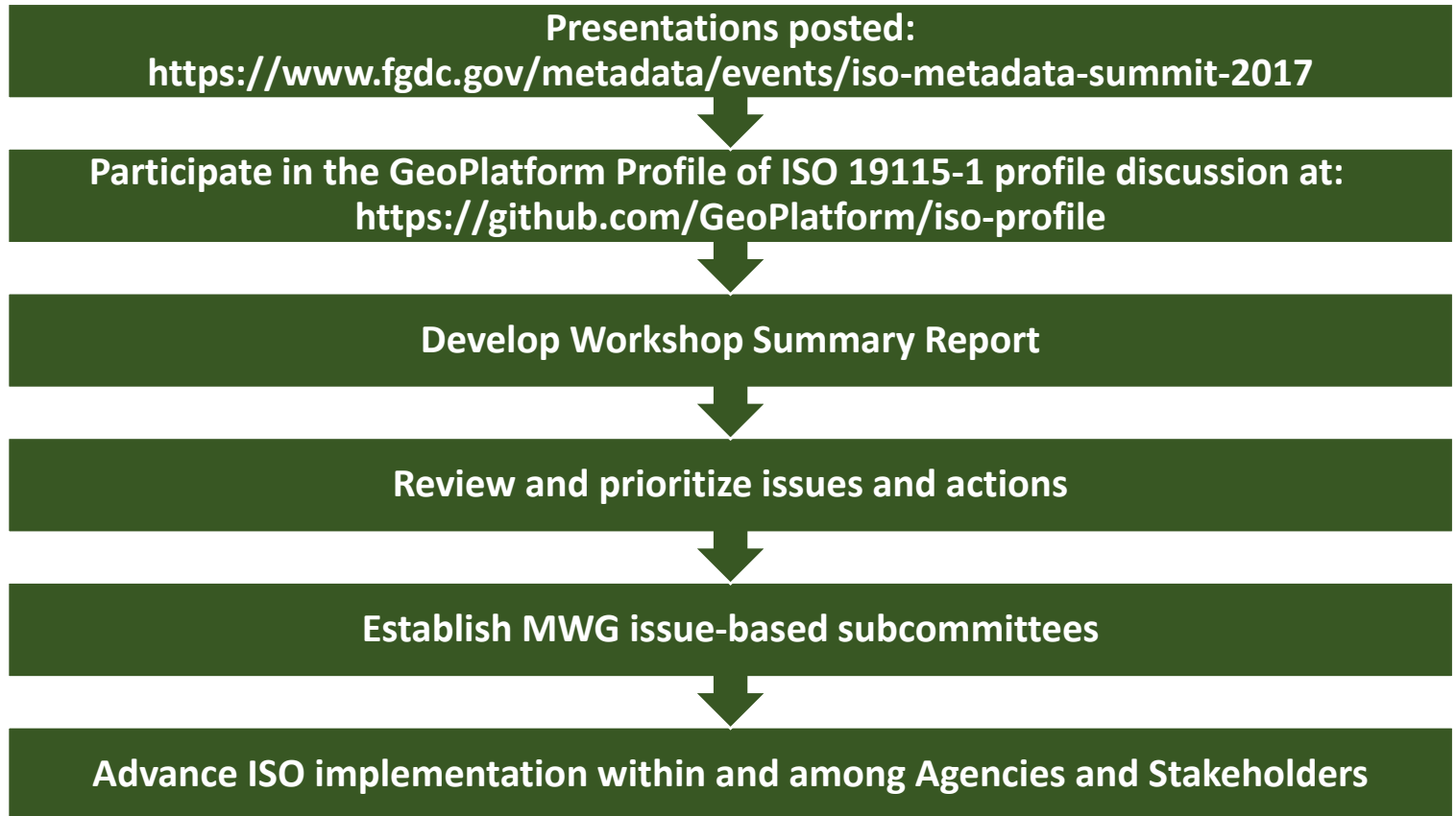
# Summit Breakout: Education and Outreach

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- ISO 19115-1 'workbook' or online app to serve as both reference and guidance document
- Library of ISO metadata examples for different use cases including services and feature catalog
- ISO geospatial metadata listserver to directly exchange updates, resources, questions, etc.
- Training videos on specific topics similar to FGDC 2013 Workshop presentations
- GeoPlatform training about metadata capabilities and best practices
- Promote benefits of ISO metadata to agency/stakeholder

# ISO Metadata Summit: Next Steps

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# Discussion



# News From the Field



# Next Meetings

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***new date***

July 19  
**ISO Forum**

*The Geospatial  
Platform ISO Profile*

August 9  
**ISO Forum**

*Documenting  
Geospatial Web  
Services  
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Prioritizing Summit  
Outcomes*

September 13  
**Metadata Working  
Group**

*Implementing ISO  
Summit Outcomes*

