ISO GEOSPATIAL METADATA IMPLEMENTATION FORUM

Welcome

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ISO Implementation Work Flow

Lynda Wayne
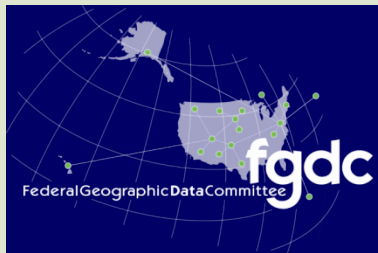*GeoMaxim / FGDC*

Wednesday
July 9, 2014

FederalGeographicDataCommittee **fgdc**

WELCOME TO THE ISO METADATA IMPLEMENTATION FORUM

Jennifer Carlino

US Geological Survey
and

Federal Geographic Data Committee

jcarlino@usgs.gov

PURPOSE

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

NEXT MONTH:
AUGUST 13, 2014

ISO Implementation Work Flow Experience

- **Kimberly Durante**
  Stanford University Library

- **Steve Richard**
  Arizona Geological Survey

OCTOBER AND NOVEMBER TOPICS

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*)

MORE INFORMATION

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

LOGISTICS

- 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

WHY A WORK FLOW MODEL?

For agencies interested in ISO metadata implementation, it's difficult to know

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?

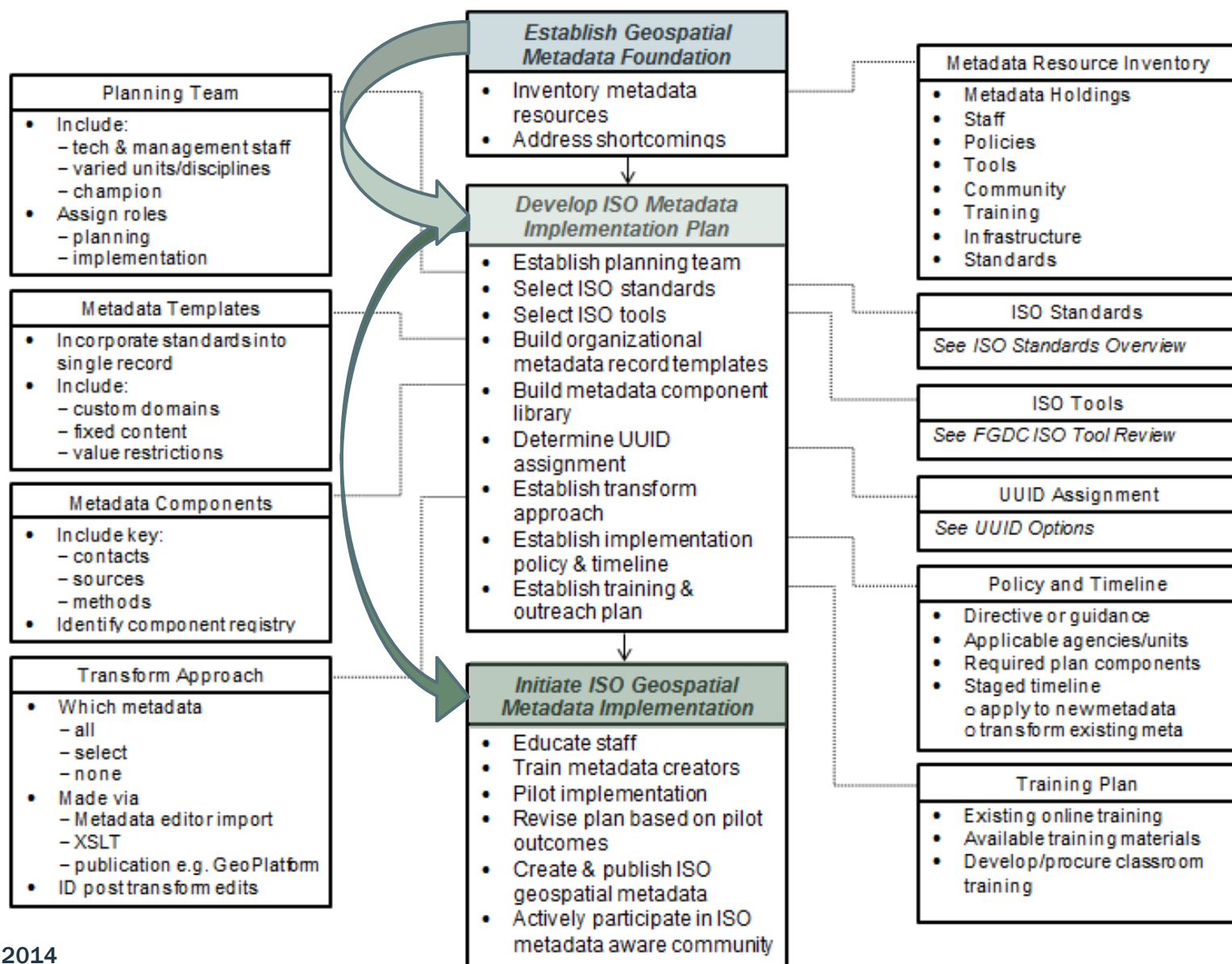The following model is meant as a *general* roadmap. Agencies are encouraged to:

Review the model

Identify relevant components

Adapt the model

Don't be limited by linear presentation, move forward on implementation where you are able

WORK FLOW MODEL

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 a 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 AN IMPLEMENTATION PLAN

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

DEVELOP AN IMPLEMENTATION PLAN

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

DEVELOP AN IMPLEMENTATION PLAN

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

MAKE IMPLEMENTATION YOUR OWN

Learn from the experiences of others (August 9th ISO Forum)
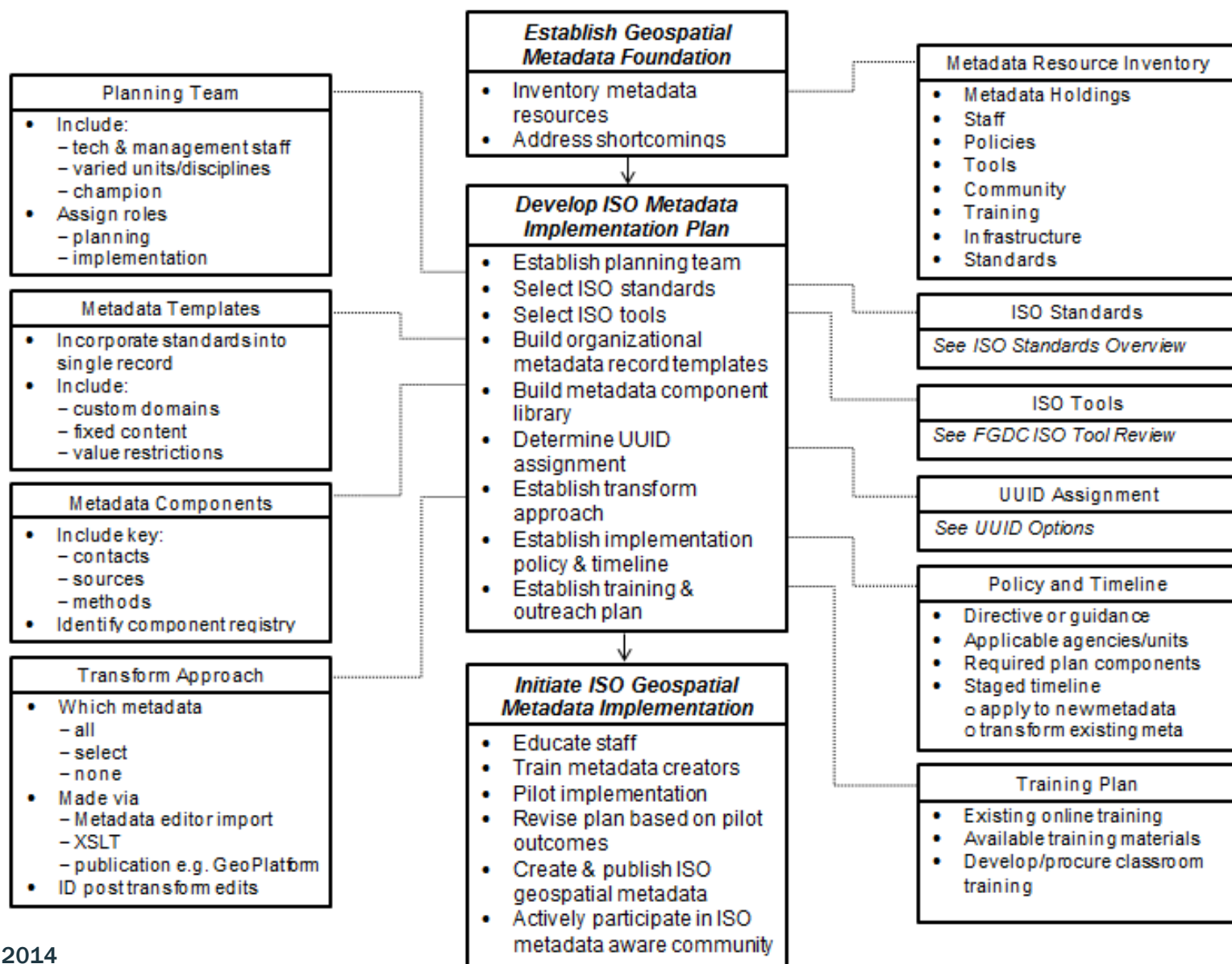
Take what is relevant

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?*

MORE INFORMATION AND INPUT

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  Lwayne@usgs.gov

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