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Metadata Working Group

Quarterly Telecon
December 9, 2015

Agenda

- Announcements
- ISO Geospatial Metadata Standards Update
- Data.gov Metadata Harvesting/Validation Changes
- News from the Field

Announcements

Discuss metadata activities

FGDC Metadata Working Group

Announcements

- FGDC Standards Endorsement Process presentation moved to March 9, 2016
- OGC & ISO TC211 Meetings
 - Sydney, Nov 30 - Dec. 11
- INCITS L1 Meeting
 - Friday December 18, 2015
- Encourage ISO metadata tool developers to contribute to the Registry at:
<http://www.fgdc.gov/metadata/iso-metadata-editor-review-v2>

Announcements

- Call for ISO Geospatial Metadata Questions to Develop FAQ
 - Submit your ISO GeoMeta questions to Lynda Wayne, Lwayne@USGS.gov
 - Questions should be as detailed as possible, they will be edited/combined for the final FAQ
 - For those that would like to submit questions that they are commonly asked, answers are welcome too!
- Will be reaching out to MWG members for potential presentations at ISO Forum sessions
 - Want to draw on community members experience and knowledge

ISO Geospatial Standards Update

Slides Provided by Dave Danko, Esri

ISO Metadata Standards Status

Dave Danko, Esri

ISO Metadata related standards

Name of Standard	Description	Status
ISO 19109:2015 Rules for application schema	Defines the a general feature model and rules for creating and documenting application schemas for modeling features and their properties allowing physical applications to understand and share data	International standard Published Dec 15 2015
ISO 19110:2005 + Amendment 1 Methodology for feature cataloguing	Catalogue defining features and properties for a domain of interest and/or a dataset and a schema for encoding in XML	Under revision: FDIS 2016-3, IS 2016-09?
ISO 19111:2007 Spatial referencing by coordinates	Metadata about/defining a coordinate reference system	International standard Systematic review vote results due 12-11-2015
ISO 19111-2:2009 Spatial referencing by coordinates-Extension for parametric value	Metadata about/defining a coordinate reference system using parametric values	International standard
ISO 19112:2003 Spatial referencing by geographic identifiers	Metadata about/defining a reference system which uses spatial unit identifiers other than coordinates i.e. gazetteer, postal code, etc.	International standard Reviewed 9-15-2015 Proposed for Revision
ISO 19113:2002 Quality principles	Defines the principles, the elements/sub-elements of data quality	Superseded by 19157
ISO 19114:2003 Quality evaluation procedures	Defines procedures for determining data quality	Superseded by 19157

ISO Metadata related standards

Name of Standard	Description	Status
ISO 19115:2003 Geospatial metadata	Defines metadata elements and schema describing geospatial datasets	Superseded by 19115-1
ISO 19115-1:2014 Geospatial metadata fundamentals	Revision of ISO19115 which defines metadata elements and schema describing geospatial resources i.e. datasets and services	International standard
ISO 19115-2:2009 Extensions for imagery and gridded data	Defines additional metadata elements and schema describing imagery and gridded geospatial datasets	Under revision: CD 2016-03, DIS 2016-11, TS 2017-11
ISO 19115-3: XML schema implementation metadata fundamentals	Provides a schema for implementing ISO 19115-1 in XML	Under development: Sent to ISO for publication 11-2015
ISO 19119:2005 Services	Provides a framework and defines the metadata for services enabling users to access and process geographic information across a generic computing interface. The metadata portion of this standard has been moved to ISO19115-1	Under revision, Partially superseded by 19115-1: Sent to ISO for publication 10-2015
ISO 19130:2010 Imagery sensor models for geopositioning	Specifies a sensor model describing the physical and geometrical properties of specific sensors	International standard

ISO Metadata related standards

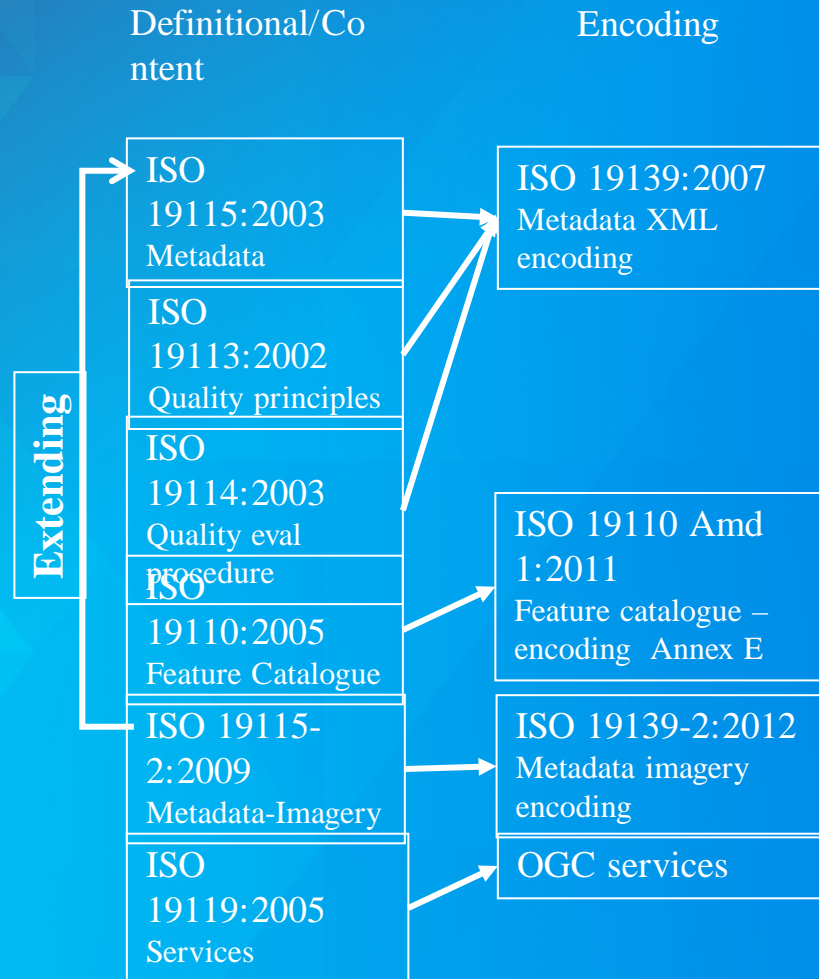
Name of Standard	Description	Status
ISO 19130-1 Imagery sensor models for geopositioning	Revision of ISO 19130	Under revision: DIS 2016-06, IS 2017-06
ISO 19130-2:2014 Imagery sensor models for geopositioning SAR, InSAR, Lidar and Sonar	Specifies a sensor model describing the physical and geometrical properties for the stated sensors	International standard
ISO 19138:2006 Data quality measures	Defines commonly used measures for reporting data quality for the sub-elements defined in ISO 19113 and a structure so they may be maintained in a register.	Superseded by 19157
ISO 19139:2007 Metadata XML Schema implementation	Provides encoding rules and a schema for implementing ISO 19115 in XML.	International standard To be partially superseded by ISO 19115-3
ISO 19139-1 Metadata XML Schema implementation	This revision will only include the encoding rules for metadata	Under revision: CD 2016-01 DIS 2016-08, TS 2017-04
ISO 19139-2:2012 Metadata - XML schema for imagery and gridded data	Provides a schema for implementing ISO 19115-2:2009 in XML	International standard

ISO and W3C Metadata related standards

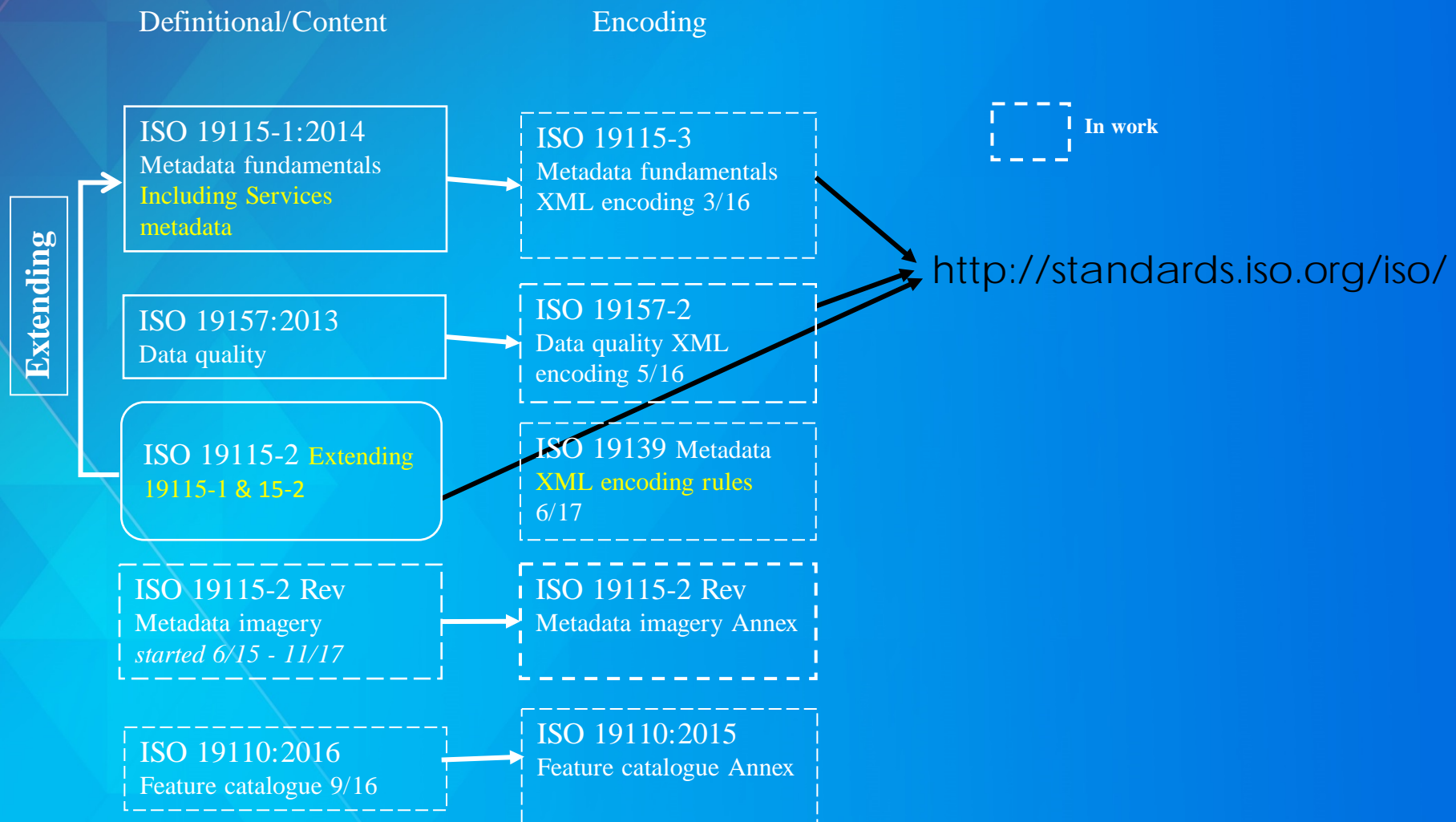
Name of Standard	Description	Status
ISO 19157:2013 Data Quality	Defines the principles and components for describing, evaluating, and the measures used for reporting data quality. Revising and replacing ISO 19113, 19114, 19138.	International standard
ISO 19157-2 Data Quality XML Schema implementation	Provides a schema for implementing ISO 19157 in XML	Under development: TS 2016-05
ISO 15836:2009 The Dublin Core metadata element set	Cross domain resource descriptions – not limited to specific resources	International standard Reviewed 2014

Name of Standard	Description	Status
W3C Data Catalog Vocabulary (DCAT)	An RDF vocabulary designed to facilitate interoperability between data catalogs published on the Web.	International standard

ISO metadata standards today



ISO metadata standards (near) future



Data.gov Metadata Harvesting and Validation Changes

Sarah O'Connor, NOAA NCEI / ADNET Systems
Torrin Hultgren, EPA / Innovate!

News from the Field

Announcements from
Metadata Working Group Members

News from the Field

- Discontinuation of the MERMAid metadata editor
Kathy Martinolich, NOAA NCEI – Riverside Technology
- Other news?

Upcoming ISO Forum/MWG:

January 13, 2016

Topic: NASA Transition to ISO Geo Metadata

February 10, 2016

Topic: INSPIRE ISO Metadata Implementation

March 9, 2016

MWG Meeting: FGDC Standards Endorsement
Process

Comments and Ideas:

fgdc@fgdc.gov or jcarlino@usgs.gov