

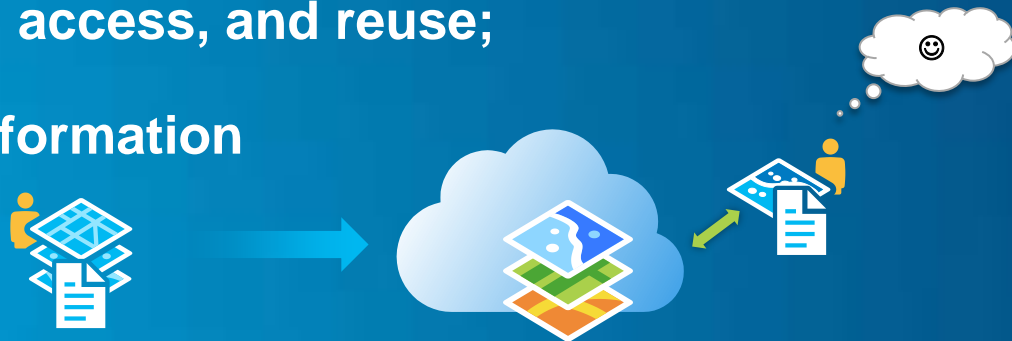
# **ISO Geospatial Metadata Standards Update**

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## ISO Geospatial Metadata required to:

- Provide an adequate understanding of a resource to support fitness for use assessments;
- Document the assumptions, simplifications, and approximations made during development;
- Document quality, period, value, limitations, reference systems, feature/attribute meanings, image parameters, . . .
- Support discovery, access, and reuse;
- Provide archival information



# 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, i.e. GML application schema	International standard
ISO 19110:2016 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	International standard
<b>ISO 19111-1 Spatial referencing by coordinates Part 1: Revision of ISO 19111:2007</b>	<b>Metadata about/defining a coordinate reference system Revision performed in conjunction with OGC</b>	<b>Under revision: CD 2017-05, DIS 2018-05, IS 2019-05</b>
ISO 19111-2:2009 Spatial referencing by coordinates- Extension for parametric value	Metadata about/defining a coordinate reference system using parametric values	International standard
<b>ISO 19112:2003 Spatial referencing by geographic identifiers</b>	<b>Metadata about/defining a reference system which uses spatial unit identifiers other than coordinates i.e. gazetteer, postal code, etc.</b>	<b>Under revision: CD voting concluded, DIS 2018-01, IS 2019-01</b>
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

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Name of Standard	Description	Status
<b>ISO 19115-1 Amendment 1</b> <b>Geospatial metadata fundamentals</b>	<b>Adds identifier to CI_Party and scope to MD_SpatialRepresentation</b>	<b>DIS ballot initiated, closes 2017-06-14, Published 2019-01</b>
<b>ISO 19115-2 Metadata – Part 2: Extensions for acquisition and processing</b> <b>Formerly: ISO 19115-2:2009</b> <b>Extensions for imagery and gridded data</b>	<b>Defines additional metadata elements and schema describing the acquisition and processing of geospatial information. XML encoding included in ISO 19115-3</b>	<b>Under revision: DIS ballot initiated, closes 2017-06-02, TS 2017-07</b>
<b>ISO 19115-3: XML schema implementation metadata fundamentals</b>	<b>Provides a schema for implementing ISO 19115-1 (and future 19115-2) in XML</b>	<b>International standard</b>
<b>ISO 19130:2010 Imagery sensor models for geopositioning</b>	<b>Specifies a sensor model describing the physical and geometrical properties of specific sensors</b>	<b>International standard</b>
<b>ISO 19130-1 Imagery sensor models for geopositioning</b>	<b>Revision of ISO 19130</b>	<b>Under revision: DIS Ballot initiated closes 2017-06-06, IS 2018-06</b>
<b>ISO 19130-2:2014 Imagery sensor models for geopositioning SAR, InSAR, Lidar and Sonar</b>	<b>Specifies a sensor model describing the physical and geometrical properties for the stated sensors</b>	<b>International standard</b>

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Name of Standard	Description	Status
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
<b>ISO 19139-1 Metadata XML Schema implementation</b>	<b>This revision will only include the encoding rules for metadata</b>	<b>Under revision:</b>
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 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
<b>ISO 19157 Amendment 1</b>	<b>Adds coverageResult from ISO 19115-2:2009</b>	<b>DIS ballot initiated closes 2017-06-16, Published 2018-05</b>
ISO 19157-2:2016 Data Quality XML Schema implementation	Provides a schema for implementing ISO 19157 in XML	International standard
ISO 15836:2009 The Dublin Core metadata element set	Cross domain resource descriptions – not limited to specific resources	International standard