



Working with Metadata in ArcGIS

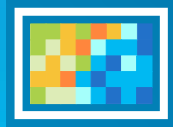
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Working with metadata in ArcGIS

- **View metadata**
- **Edit metadata**
- **Set your metadata style**
- **Leverage metadata in ArcGIS**
- **Import and export metadata**
- **Latest software updates**
- **What's coming**
- **Tips and tricks**

Metadata supported across the ArcGIS platform

- Metadata for... almost everything
- Across the ArcGIS platform



View metadata

- **ArcCatalog: Description tab**
- **ArcMap, ArcGlobe, ArcScene: Item Description window**
 - **Catalog window**
 - **Table of Contents**
 - **Search window**
- **ArcGIS Pro: Project view**

View metadata

- Automatically updated with item properties
- Standard HTML page shortcuts

Edit metadata

- **Full, standards-based metadata**
- **Limited in ArcGIS Pro 1.1**

Edit metadata

- **Must have permission**
 - **File-based items**
 - **Enterprise geodatabase items**

Edit metadata – ArcMap, ArcScene, ArcGlobe

- **Map, scene, globe documents**
 - Save open documents after editing metadata
- **Map layers**
 - Description and credits only

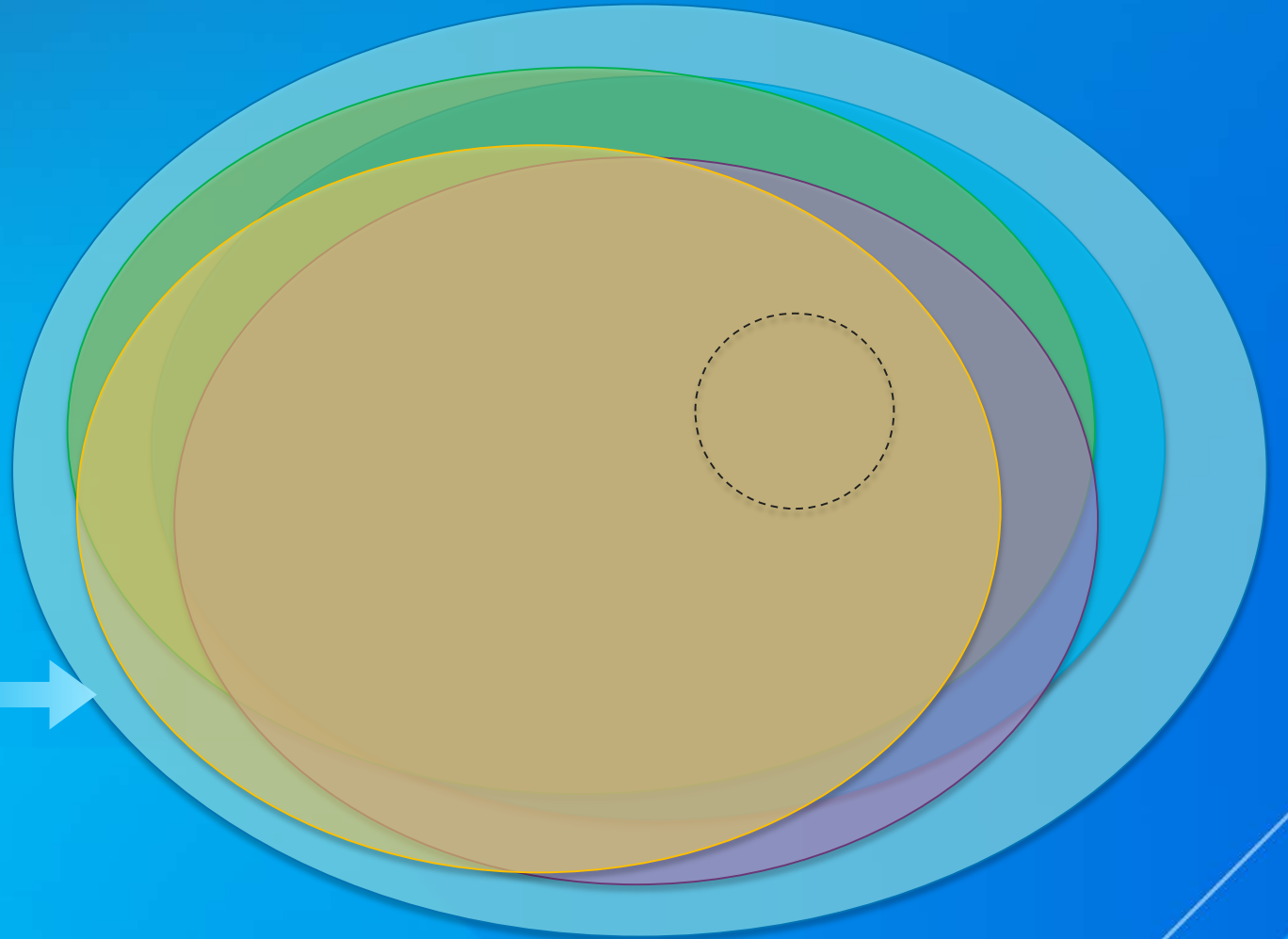
Demo



Set your metadata style

- FGDC CSDGM
- ISO 19139
- INSPIRE
- North American Profile (NAP)
- Item Description (default)

ArcGIS Metadata

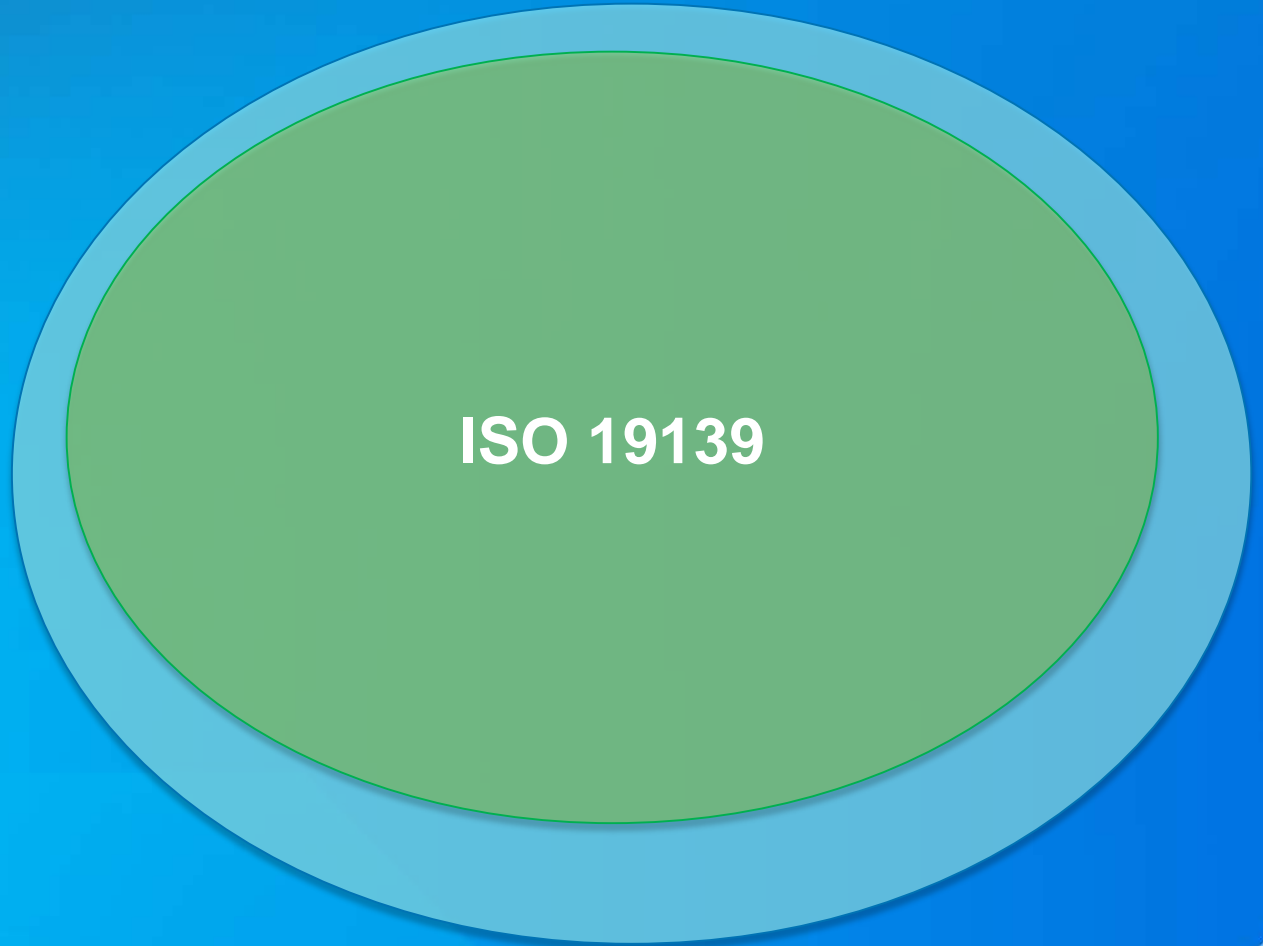


Set your metadata style

- **Set for organizational requirements**
 - Each release
- **Concepts for all styles included**
- **Most concepts the same**
- **ArcGIS-specific content**

Set your metadata style

- **Style tailors how metadata is**
 - **Displayed**
 - **Edited**
 - **Exported**
 - **Validated**



Demo



Leverage metadata in ArcGIS

- **ArcGIS platform uses ArcGIS metadata**
 - ArcGIS for Desktop, including Pro
 - ArcGIS Online
- **Upgrade metadata in ArcCatalog, ArcMap, ArcGlobe, ArcScene**

Leverage metadata in ArcGIS

- Metadata follows item
- Item description content indexed

Import and export metadata

- **Conversion to/from standard-compliant XML format**
- **In ArcCatalog, ArcMap, ArcGlobe, ArcScene**

Import and export metadata

- **Import type depends on format of incoming XML file**
- **Item properties unaffected**
- **For maps, must have metadata first**

Import and export metadata

- **Export based on metadata style**
- **Use outside ArcGIS**
- **ArcCatalog exports many**
- **Schedule Python script**

Demo



Latest software updates

- ArcCatalog, ArcMap, ArcGlobe, ArcScene: no changes since 10.2.1
- ArcGIS Pro 1.1: small improvements
- Expanding metadata support to ArcGIS Online

What's coming?

- **Edit full metadata in ArcGIS Pro**
- **Further integration with ArcGIS Online, Portal for ArcGIS**
- **Geoprocessing tools in ArcGIS Pro**
- **Support additional ISO metadata standards**

Tips and Tricks

Copy metadata documentation from one item to another

- Import with FROM_ARCGIS type
- No conversion

Demo



Use a metadata template for new items

- **Edit template metadata XML file**
- **Import before editing**
- **Allow automatic updates**

“Save As” HTML file

- XSLT Transformation tool with “ArcGIS.xsl”
- Use outside ArcGIS
- “Allow Blocked Content” to run javascript

“Save As” XML file

- XSLT Transformation tool with “exact copy of.xslt”
- Upload to ArcGIS Online
- Back up metadata content

Demo



Modify metadata using an XSLT transformation

- Copy to XML file, modify with XSLT, save changes
- XSLTs provided for well-known tasks
- Documented: [XSLT Transformation tool](#)
- Example: [Editing metadata for many ArcGIS items](#)

Modify metadata using a Python script

- Copy to XML file, modify with Python, save changes
- Use Python XML packages

Geoprocessing tool to save changes

- **Metadata Importer tool = *save XML as an item's metadata***

Which metadata geoprocessing tool to use

- **Help topics compare available geoprocessing tools**
 - Importing metadata
 - Exporting metadata
- Creating and managing FGDC metadata
 - **Format-specific conversions**

ArcCatalog, ArcMap, ArcGlobe, ArcScene Help

- **Installed: Geodata > Data types > Metadata**
- **Web Help: Manage Data tab > Data types > Metadata**
- **Search for content**

Demo



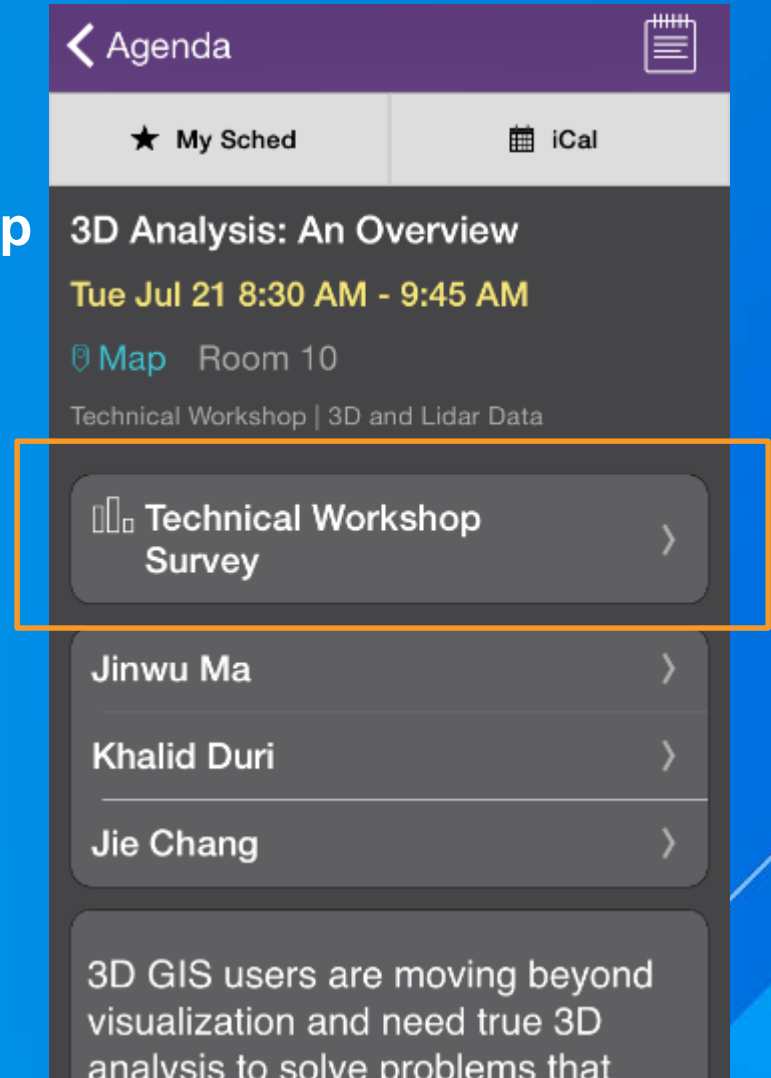
Remaining metadata sessions at this UC

- **Metadata Special Interest Group meeting**
 - Wednesday 5:30 – 7:00 Room 12
- **Working with Metadata in ArcGIS (Repeat of this presentation)**
 - Thursday 3:15 – 4:30 Room 32 B

Thank you...

- Please fill out the session survey in your mobile app
- Select "Working with Metadata in ArcGIS" in the Mobile App
 - Use the Search Feature to quickly find this title
- Click "Technical Workshop Survey"
- Answer a few short questions and enter any comments

- Paper surveys
 - First Offering ID: 1540
 - Second Offering ID: 1569





Understanding our world.