

Understanding and using Metadata across the ArcGIS Platform

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Understanding and using Metadata across the ArcGIS Platform

- Metadata fundamentals
- ArcGIS platform
- Road ahead

Metadata Fundamentals

- Metadata documents geospatial content
 - for search, discovery, evaluation, archiving
- ArcGIS platform should facilitate these efforts
- Goal is to improve the experience



ArcGIS

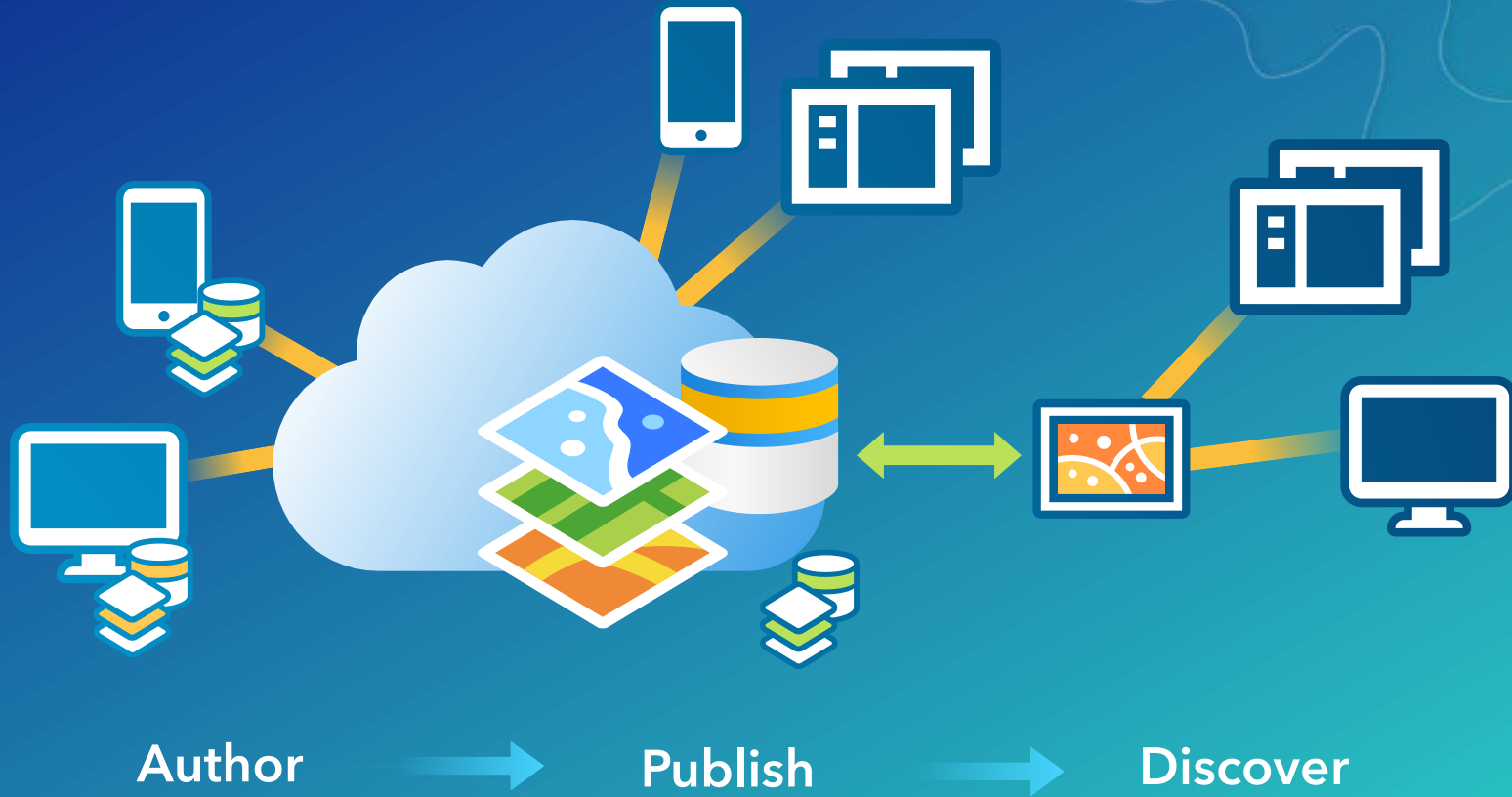
Metadata Fundamentals

- All items have metadata
- ArcGIS metadata XML – a common language for the ArcGIS platform
- Metadata moves with an item through the ArcGIS platform
- Metadata styles determine how you display, edit, validate, export metadata

Metadata Styles

- **FGDC CSDGM Metadata**
 - Content Standard for Digital Geospatial Metadata (CSDGM)
- **ISO 19139 Metadata Implementation Specification**
 - ISO 19115:2003 / ISO 19139:2007
 - ISO 19119:2005 / OGC CSW 2008
 - ISO 19110:2005 / ISO 19110:2005 Amd.1 2011 Annex E
- **North American Profile of ISO 19115:2003 (NAP)**
- **INSPIRE Metadata Directive**

ArcGIS Platform



ArcGIS Platform

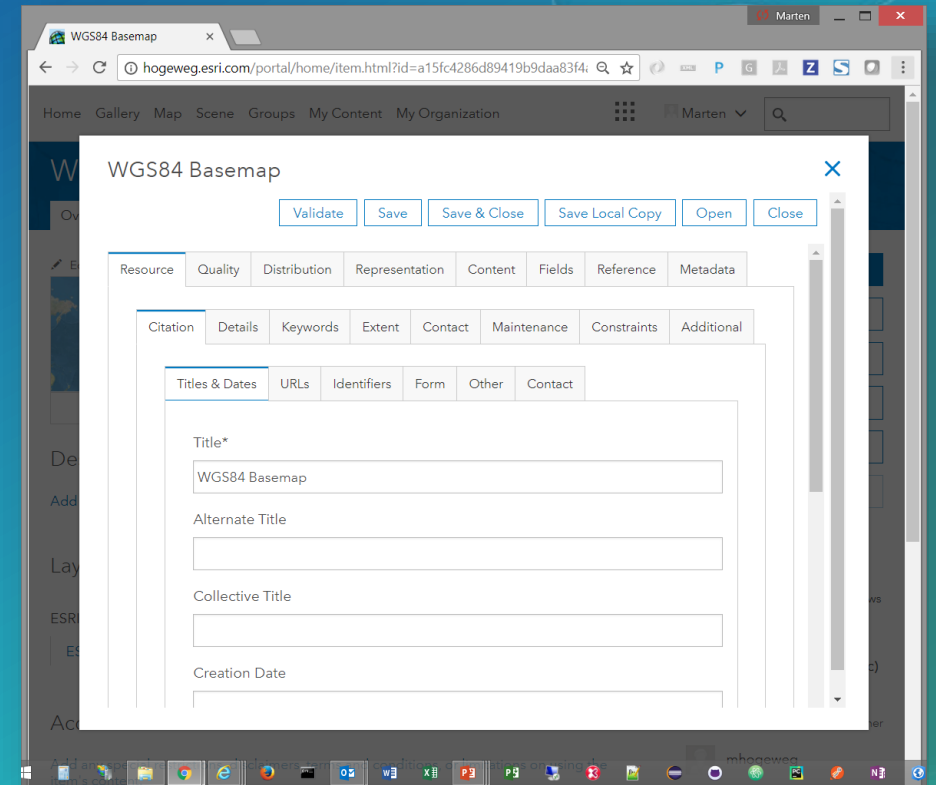


Metadata Support in ArcGIS for Desktop

	ArcMap	Pro
Metadata styles for geospatial metadata standards	✓	✓
Display and edit full metadata	✓	✓
Map layers have metadata	✗	✓ (limited)
Publish map with full metadata	✓	✗
Manage metadata programmatically	✓	✓ (limited)
Manage metadata with geoprocessing tools	✓	✗
Import and export metadata	✓	✗
Customize the metadata editor	✓	✗

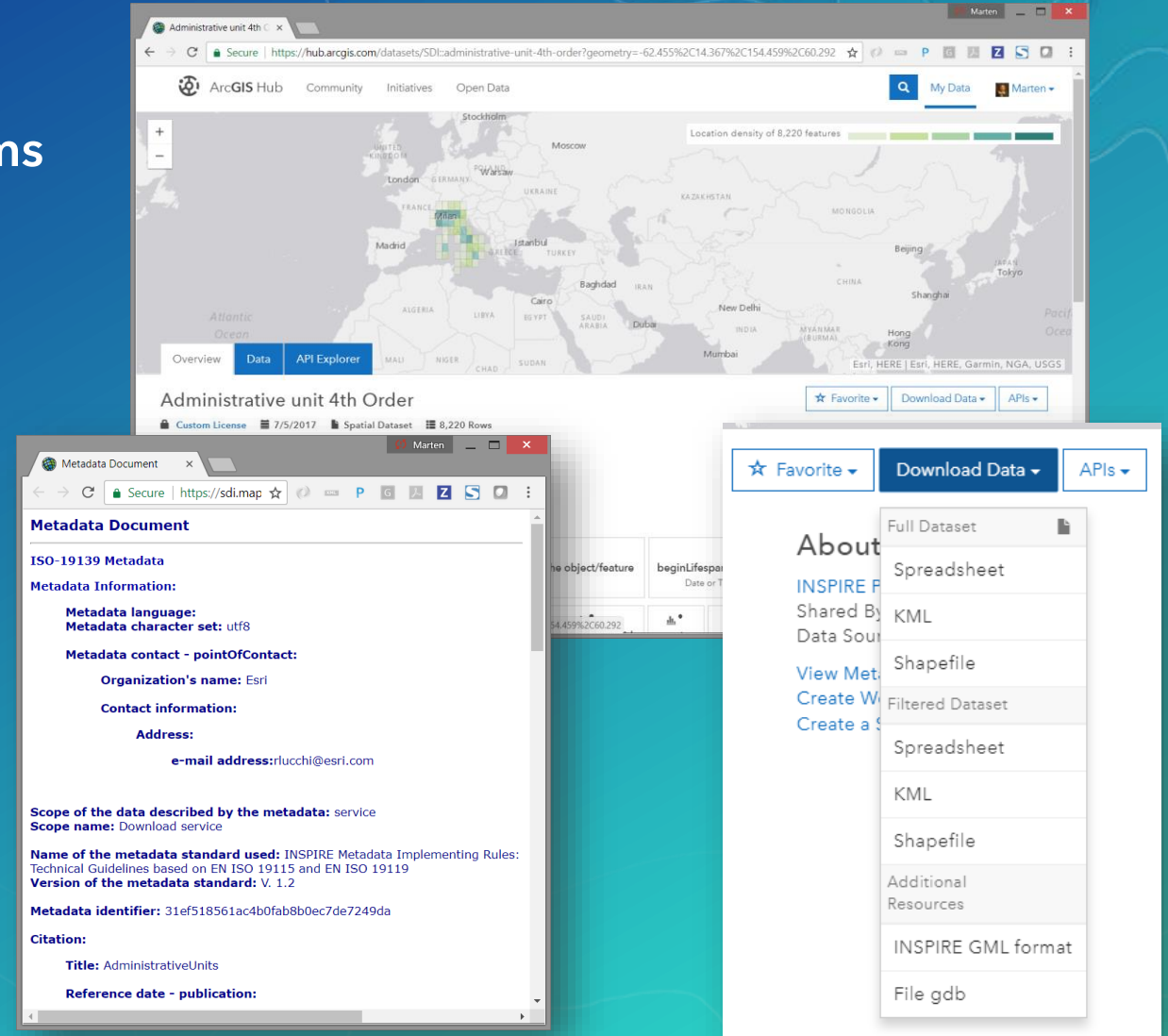
Metadata Support in ArcGIS Online and ArcGIS Enterprise

- Metadata styles for geospatial metadata standards
- Display and edit full metadata
- Copy ArcGIS metadata XML
- Export metadata



Metadata Support in ArcGIS for Open Data

- Leverage existing metadata for public items
- Display and edit full metadata
- Scores quality of metadata content
- Search metadata
- Export metadata
- Leverage metadata for additional access options





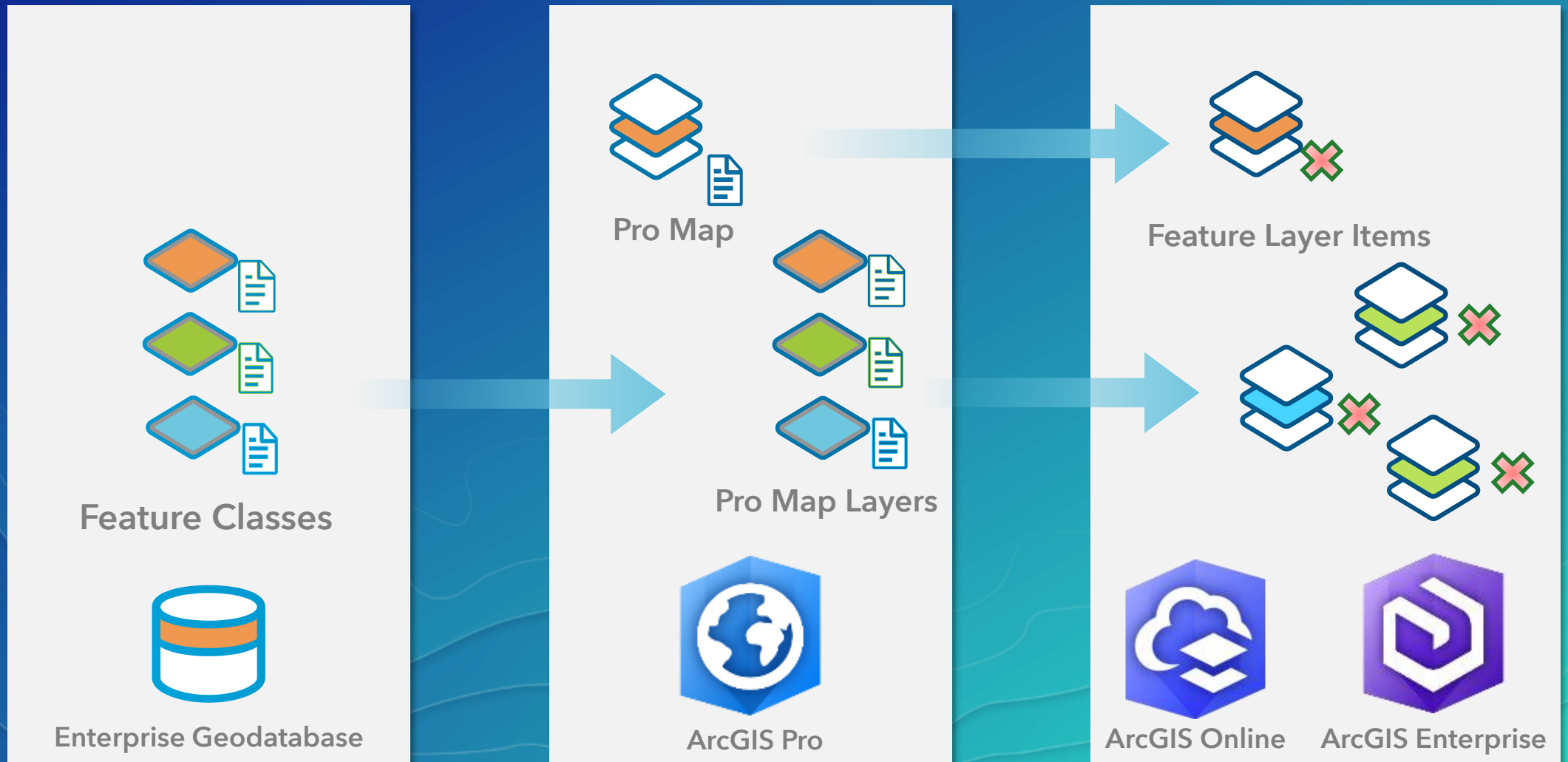
Demo

Viewing and editing metadata
across the platform

Current Flow of Metadata in the Platform

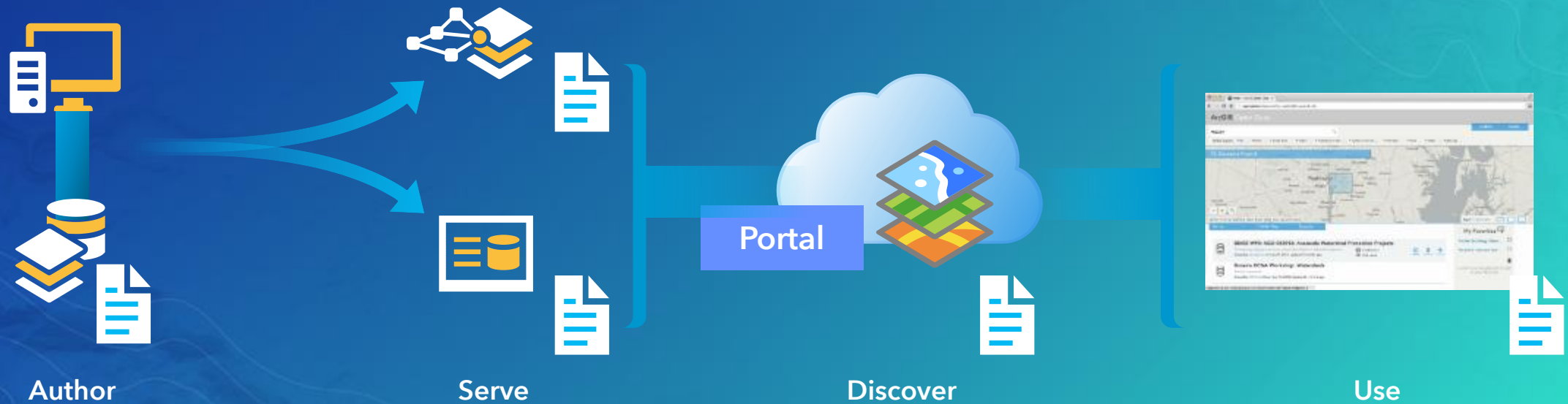


Current Flow of Metadata in the Platform



Goal for the Platform

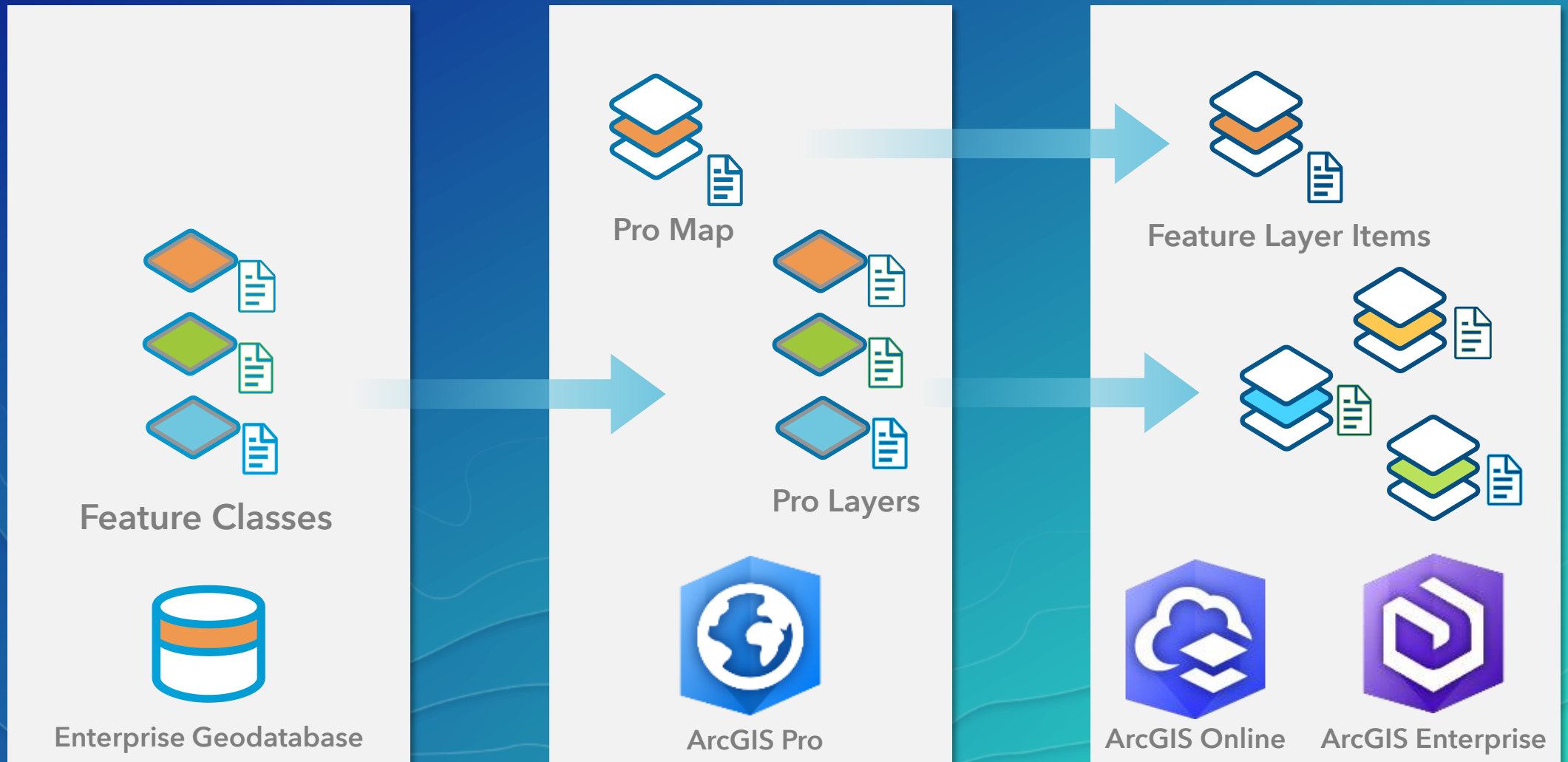
- Improve the flow of metadata through the platform
 - From data to published items



Road Ahead – Near Term (2017)

- Move Pro closer to equivalency with ArcMap
 - Importing and exporting metadata
 - Publish items with full metadata
 - More capabilities for accessing and managing metadata via the Pro SDK
- Improve metadata support for map layers in Pro
 - Reference data source's metadata
 - Optionally import data source metadata to the layer
 - Display and edit full metadata for the layer

Proposed Flow of Metadata in the Platform



Road Ahead – mid term (2018)

- ArcGIS Metadata Toolkit for Pro (immediately following Pro 2.1)
- Support scripting of metadata workflows in Pro
- Extend import and export capabilities for compatibility with ISO 19115-1/ISO 19115-3
- Metadata editor usability improvements
- Common metadata editing experience for the ArcGIS platform

Road Ahead – long term

- Enhance the ArcGIS metadata editor to support concepts for updated ISO standards
- Usability improvements in the ArcGIS metadata editor
- Leverage organizational metadata settings in Pro
- Controlled vocabularies

Esri Metadata Summit

- June 2017
- Discussed planned improvements for the platform
- Collected requirements

Metadata in the ArcGIS Platform

- Metadata support throughout the platform
- Create metadata that complies with standards
- Goals
 - Improve flow of metadata through the platform
 - Make it easier to produce high quality metadata content

Upcoming Metadata Sessions and Meetings

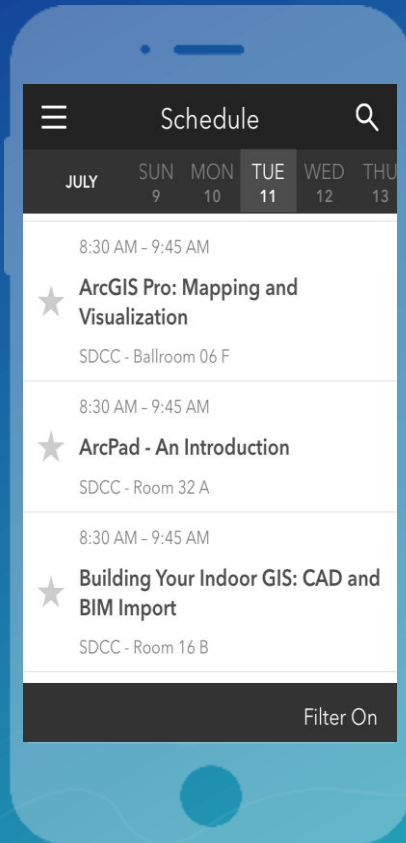
- **Technical Workshop: Working with Metadata in ArcGIS**
 - Wed July 12, 3:15pm - Room 31 A
 - Thurs July 13, 10:15pm - Room 15 B
- **Metadata Users Group meeting**
 - Wed July 12, 5:30pm - Room 28 A
- **Demo Theatre: Working with metadata in ArcGIS**
 - Thurs July 13, 11:30 - Esri Showcase: Interoperability and Standards Theaterette

Please Take Our Survey on the Esri Events App!

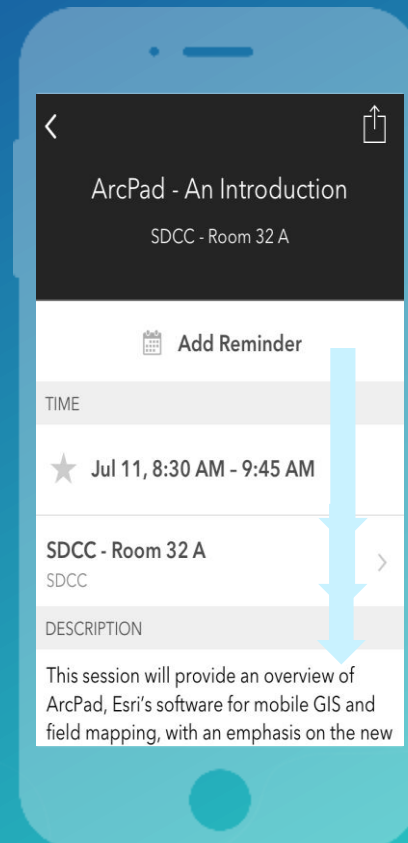
Download the Esri Events app and find your event



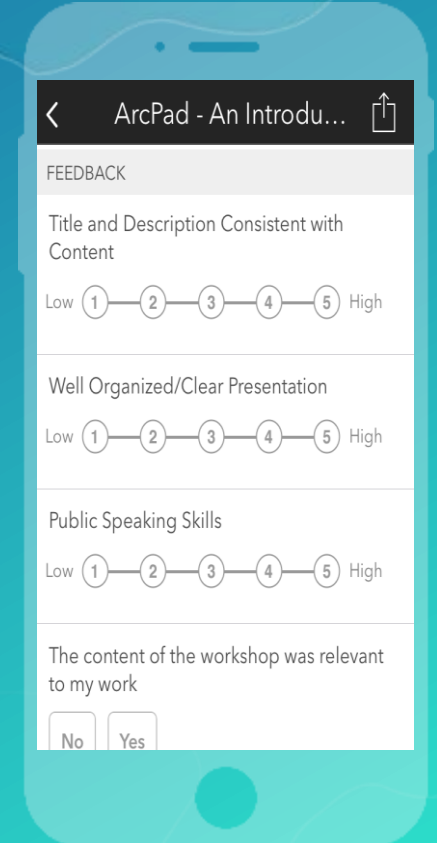
Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"





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