EME v 3.1.1 and ArcGIS 10

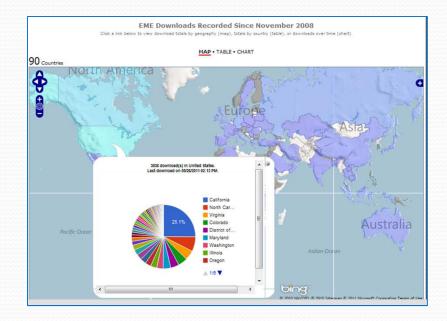
Working with FGDC metadata in ArcGIS 10





Welcome

- Second 2011 EME/ArcGIS 10 Training
- First training held April 2011
 - Basic Updates on AGIS 10
 - Overview of EME in ArcGIS 10
- This training includes:
 - AGIS 10 Metadata
 - Basic Changes
 - Recent patches/updates
 - FAQs
 - Update on EME 3.1.1 (July 2011)
 - Plans for EME 3.2 (November 2011)
 - EME Overview/Refresher

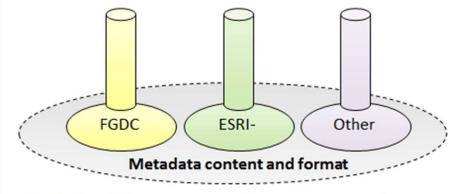


ArcGIS 10 Changes

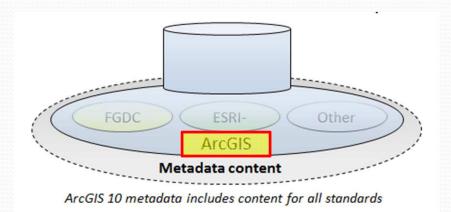
- New approach to metadata storage
 - 'Unified' approach (as opposed to old "stovepipe" approach)
 - Idea was to make it easier to support multiple standards
 - Originally moving away from FGDC CSDGM



Stovepipes are out.

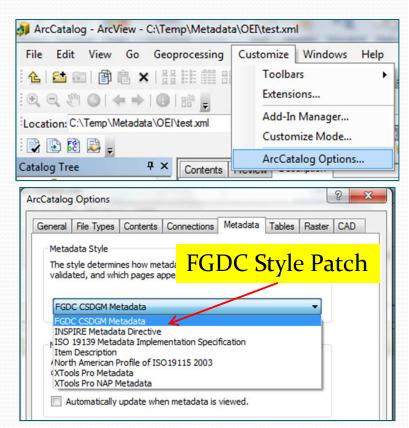


The ArcGIS 9.3.1 stovepipe model for managing metadata



ArcGIS 10 Changes

- Metadata styles and standards
 - **Style:** View/create metadata based on standard you choose
 - Default is Item Description
 - Customize->ArcCatalog Options
 - Esri software synchronizes between "Description" style and common standards
 - Be Careful! Synchronizing between Esri style and FGDC CSDGM has a few bugs
 - Should be addressed with forthcoming patch
 - In the meantime, it may be best to not edit description elements



BUG: If you enter information the AGIS **Summary** and **Description** fields, FGDC abstract/purpose fields are updated with AGIS Summary and description information, and the old info that used to exist in FGDC abstract/purpose fields *is removed*.

ArcGIS 10

Look and feel changes

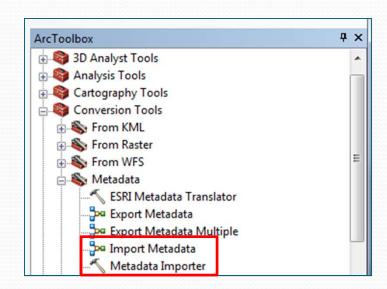
- Metadata tools moved to ArcToolbox
 - Conversion Tools->Metadata
- Old 9.3 tools have changed a bit
 - 'Metadata Import/Export'
 - Concept of "upgrading" metadata

Common Question:

- "Error with metadata configuration file"
- Users must remove the "&" or "<" in their records
- http://forums.arcgis.com/threads/9523-ArcCatalog-Metadada-quot-There-is-an-error-in-the-metadata-editor-configuration-file-quot-

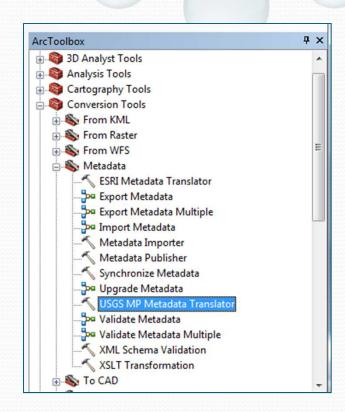
Recent Updates

- Esri FGDC Editor: http://blogs.esri.com/Dev/blogs/arcgisdesktop/archive/2010/06/25/FGDC-Metadata-Editor-for-ArcGIS-10.aspx
- FGDC Style Patch: http://resources.arcgis.com/content/patches-and-service-packs?fa=viewPatch&PID=160&MetaID=1637
- Coming Soon: New Esri patch to address many issues
 - Timing and processes to be confirmed

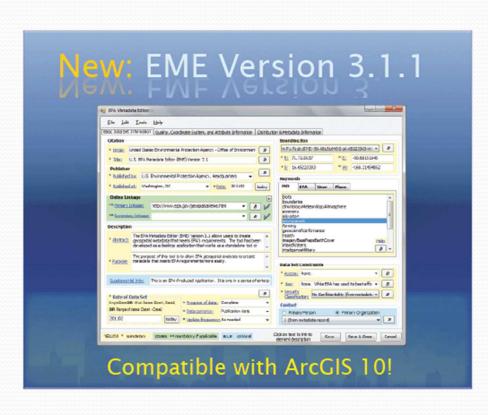


ArcGIS 10 Changes

- Removing Unwanted Tags
 - Validation "warnings"
 - Esri tags and ISO tags
 - **Step 1:** Use the Remove Esri Tags function in EME to remove Esri Elements
 - Step 2: Use the USGS MP
 Metadata Translator tool in
 Toolbox to remove ISO Elements



Enter EME v3.1.1



- Same simple geospatial metadata editor (3 tabs)
- Maintains ArcGIS 9.X metadata business processes in ArcGIS 10
- Works as a standalone tool
- Download from <u>https://edg.epa.gov/EME/</u>

EME v3.1.1

Newest Features

• Bug Fixes:

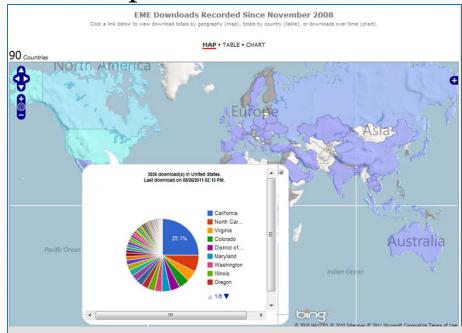
- Addresses synchronization issue when exporting or copy/pasting feature classes
- Allows 'Save as' without requiring that the user first edit the record,
- When user selects multiple processing steps for deletion, EME no longer only deletes the first step upon save,

Enhancements

- Keyboard shortcuts for Copy ,Cut and Paste
- Metadata Export & Import tools from the EME Toolbar,
- Provides direct access to EME Help from the EME Toolbar
- Provides a number of small edits to the EME database
- Provides EME source code from EME website.

EME v3.2

- What's Planned for a November Update
 - Include additional fields
 - Source citation information
 - Spatial data organization
 - Standard order process
 - Stylesheet for EPA FGDC metadata
 - Highlight FGDC Fields
 - Avoid Translation Errors
 - Validation Updates
 - Batch results summary
 - Ordering results details



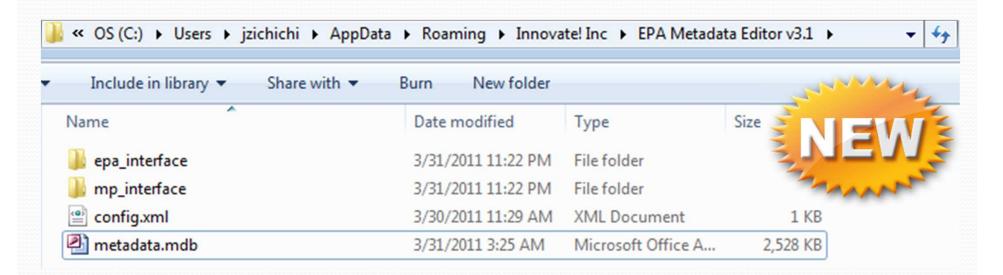
EME for AGIS 10

- On the face of it not much has changed But....
- Compatible with ArcGIS 10
- Runs as a standalone application
 - ArcGIS to extension calls standalone tool
- Synchronizes FGDC metadata in ArcGIS 10
 - Same configurable EPA Synchronizer
 - Allows user to retain published doc ID if removing ESRI tags
- Clear all & import buttons in toolbar
 - One or more records
- Many functions moved to menu bar



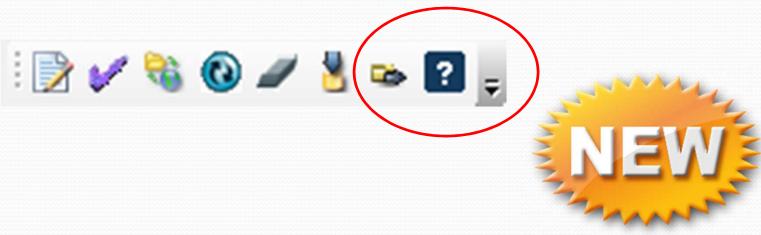
New in EME v 3.1.1 (cont'd.)

- EME database moved to new location
 - Makes an operational copy of EME database in user directory (e.g., C:\Users\jzichichi\AppData\Roaming\Innovate! Inc)
 - Still allows user to point to alternative db location in config.xml
- Allows users to include more than two online linkages in metadata
- Fixes bugs from previous version of EME



New in EME v 3.1.1 (cont'd.)

- Version 3.1.1 released in July, 2011
 - Metadata Import and Export tool
 - Keyboard shortcuts for copy/cut/paste in the EME user interface
 - Access to EME help files directly from EME Toolbar
 - Bug fixes



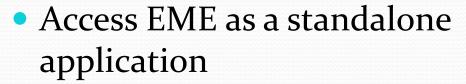
- Installing v. 3.1.1
 - EME 3.0 must be uninstalled **prior** to uninstalling ArcGIS 9.X.
 - EPA has developed a patch to help address this issue (Included in EME v3.1.1 download package)
- EME v3.1.1 Installation Reqts:
 - .Net Framework 3.5 required
 - ArcGIS 10 (for ArcGIS extension)
 - FGDC Style Patch (for ArcGIS extension)

Uninstall EME 3.0

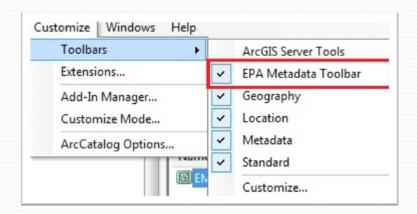


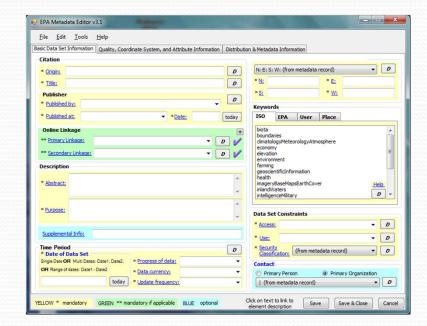
Uninstall ArcGIS 9.x

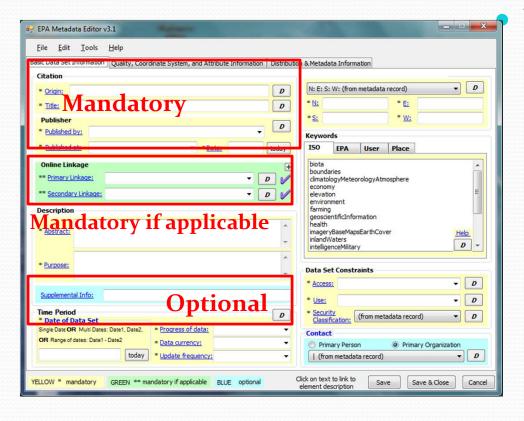
 Access EME as an Extension from ArcCatalog



Start → EPA Metadata
 Editor







User interface

- Specify information that corresponds to all EPA required elements in Sections 1, 2, 4, 6, and 7 of the FGDC CSDGM.
- Specify some information for Section 5 (Attributes) of the FGDC CSDGM.
- Fields are color-coded
 - Yellow = 'mandatory',
 - Green = 'mandatory if applicable'
 - Blue = considered 'optional'.

- EME Database
 - EME uses a Microsoft Access database to supply default information within the user interface
 - Database is structured to align closely with the flow of the user interface
 - Modify the database from the EME user interface
 - Change the location of the database as needed

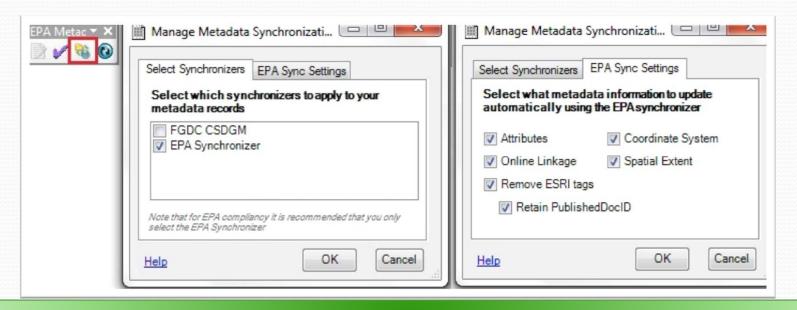
EME : Table					
T	orderedid	tag	tabNo	spellcheck	srcTable
>	10010	idinfo/citation/citeinfo/origin	1	~	1a_Citation
	10020	idinfo/citation/citeinfo/title	1	~	1a_Citation
	10030	idinfo/citation/citeinfo/pubinfo/publish	1	~	1b_Publisher
	10040	idinfo/citation/citeinfo/pubinfo/pubplace	1	~	1b_Publisher
	10050	idinfo/citation/citeinfo/pubdate	_	⇒□	1a_Citation
	10060	idinfo/descript/abstract	1	~	
	10070	idinfo/descript/purpose	1	~	
	10080	idinfo/descript/supplinf	1	~	
	10100	idinfo/timeperd/current	1	~	1e_Currentness
	10110	idinfo/status/progress	1	~	1d_Progress
	10120	idinfo/status/update	1	~	1f_Update
	10130	idinfo/spdom/bounding	1		1g_BoundingBox



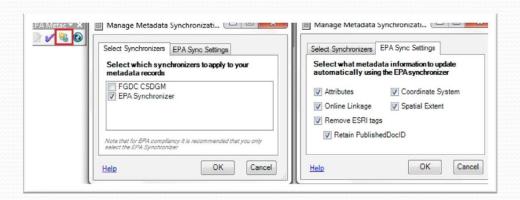


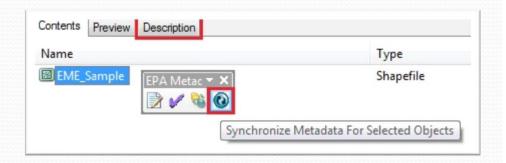
- Automatically insert data properties into metadata
- Save time and ensures consistency with data
- Particularly useful for coordinate system and spatial extent

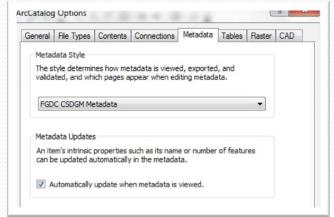
- The EPA Synchronizer
 - Lets users control which data properties are synchronized
 - Retain information for important elements
 - Avoid inserting unnecessary information
 - Access from EME Toolbar



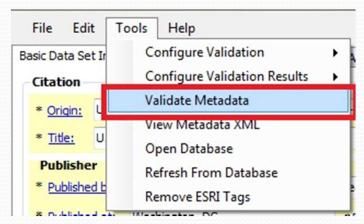
- Set EPA Synchronizer as default
- Select which attributes to synchronize
- Apply synchronization

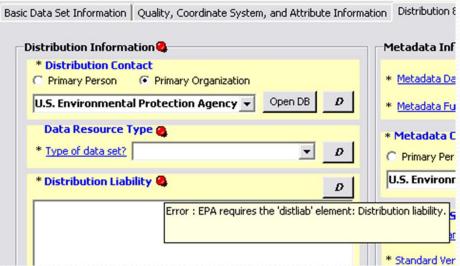




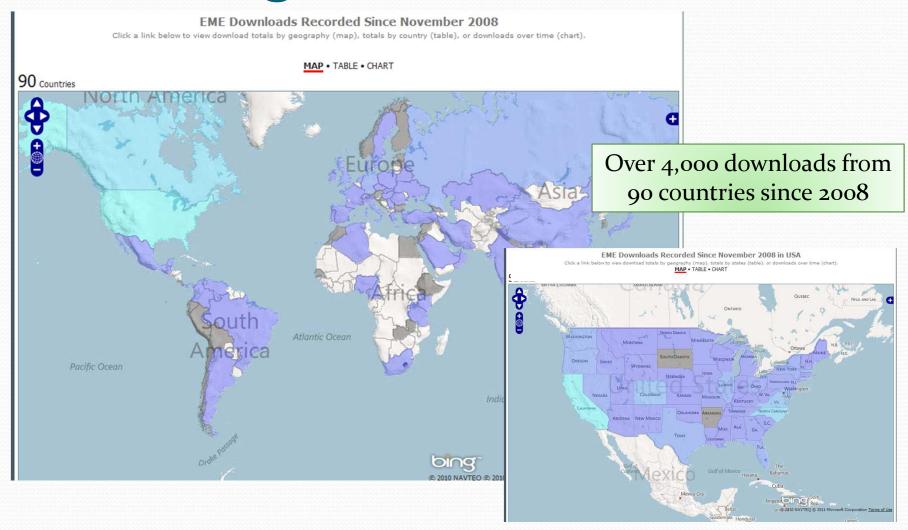


- The EME Validator
 - Tests metadata records for compliancy with both FGDC and EPA requirements.
 - Validate records one at a time or with batch processing
 - Results of validation available in:
 - EME user interface
 - Web browser





EME Usage



https://edg.epa.gov/EME/Home.htm

Additional Resources

- EME Website
 - https://edg.epa.gov/EME/
- ESRI FGDC Style Patch
 - http://blogs.esri.com/Dev/blogs/arcgisdesktop/archive/2010/08/25/FGDC-Metadata-Style-Patch.aspx
- ArcGIS 10 Desktop Metadata Help
 - http://help.arcgis.com/en/arcgisdesktop/10.0/help/index.htm
 http://help.arcgis.com/en/arcgisdesktop/10.0/help/index.htm
 http://help.arcgis.com/en/arcgisdesktop/10.0/help/index.htm
- ArcGIS Metadata Blog Posts
 - http://blogs.esri.com/Dev/blogs/arcgisdesktop/archive/2011/o 1/03/A-new-approach-for-Metadata-with-ArcGIS-10.aspx
- FGDC Metadata Website
 - http://www.fgdc.gov/metadata

Questions?



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