TRANSITIONING

FROM CSDGM TO ISO METADATA

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OGIS NEW JERSEY

NEW JERSEY GEOGRAPHIC INFORMATION NETWORK

https://njgin.state.nj.us

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TODAY - CATALOG

- NJGIN Catalog – CSDGM only has “full” support
  - Old technology – ArcIMS Metadata Server
  - About 800 existing records
  - Most from State depts and agencies, some from local govt, NGOs, vendors
  - URL capability enables direct link to records from applications that use the data.
- Informal “checklists” for acceptable records
  - Required for cataloging (small)
  - Required for “fully compliant” (bigger)
- Harvest to NSGIC Data Inventory
- Formerly harvested to Geospatial One Stop

TODAY - AUTHORING

- MD training in past
  - CSDGM, Esri FGDC editor – familiar but clunky, now extra install
  - EPA metadata editor – ease of use, has standalone product, but partial std support
- Some authors also use text editor for revisions
- No training in a while – 2 of 3 trainers no longer available

PAIN POINTS

- No enthusiasm for new std by most
- Occasional MD authors can't be experts
  - That's ALL our contributors but 3 or 4!
- Getting records into current catalog is HARD
  - Poor error messages
  - Undocumented pitfalls e.g. UTF-8 BOM
- Catalog lacks good browse function
- Data distribution sub-optimal
- MD for services is work-around

GOALS - GENERAL

- Ease of use – get more contributors
- Ease of use – get more data documented and shared
- Ease of use – efficient use of data creators' time
- Improvements suggested in NJ Geospatial Strategic Business Plan (2012)
  - Ease of use for those searching for data
  - Increased prominence for web services
- Avoid duplication of effort – let old records lie?
- Transition to current technology and standard(s)

GOALS

- New editor(s)
  - Easier AND better!
- Convert “lists” to supported ISO profiles (probably informal)
- Resume training for potential contributors
- New catalog
  - Current technology
  - Support search of current CSDGM records
  - Support ISO for updates and new
  - Improved search and browse
  - Online editor for minimal (cataloging) records –turbotax for MD
  - Meaningful validation service(s) for ISO records – standalone and intake
  - Support harvest to GIS Inventory (NSGIC)
  - Support harvest to others (CSW)

KNOWN TOOLS

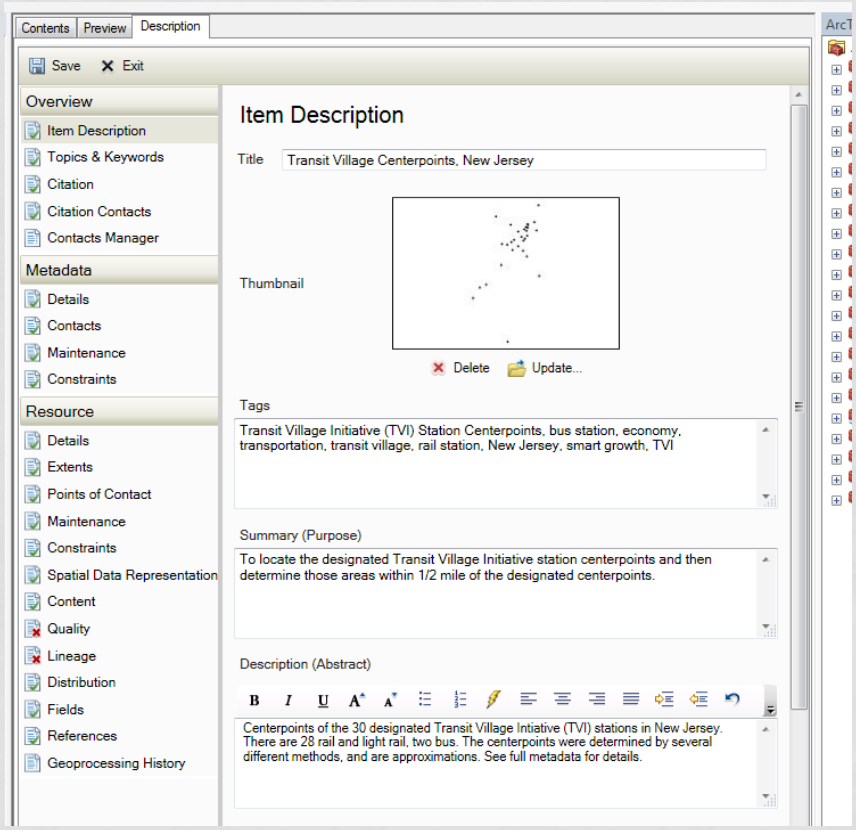
- Geoportal Server for catalog (?)
- Esri software in most state and local govt, not all
- ArcGIS metadata editor probably authoring tool of choice
- Standalone (cheap or free) editor for consultants, vendors, etc? – no known candidate
- **Standalone xml editors NOT practical for our user universe**
- Transforms for orphaned existing records (thanks, NOAA!)

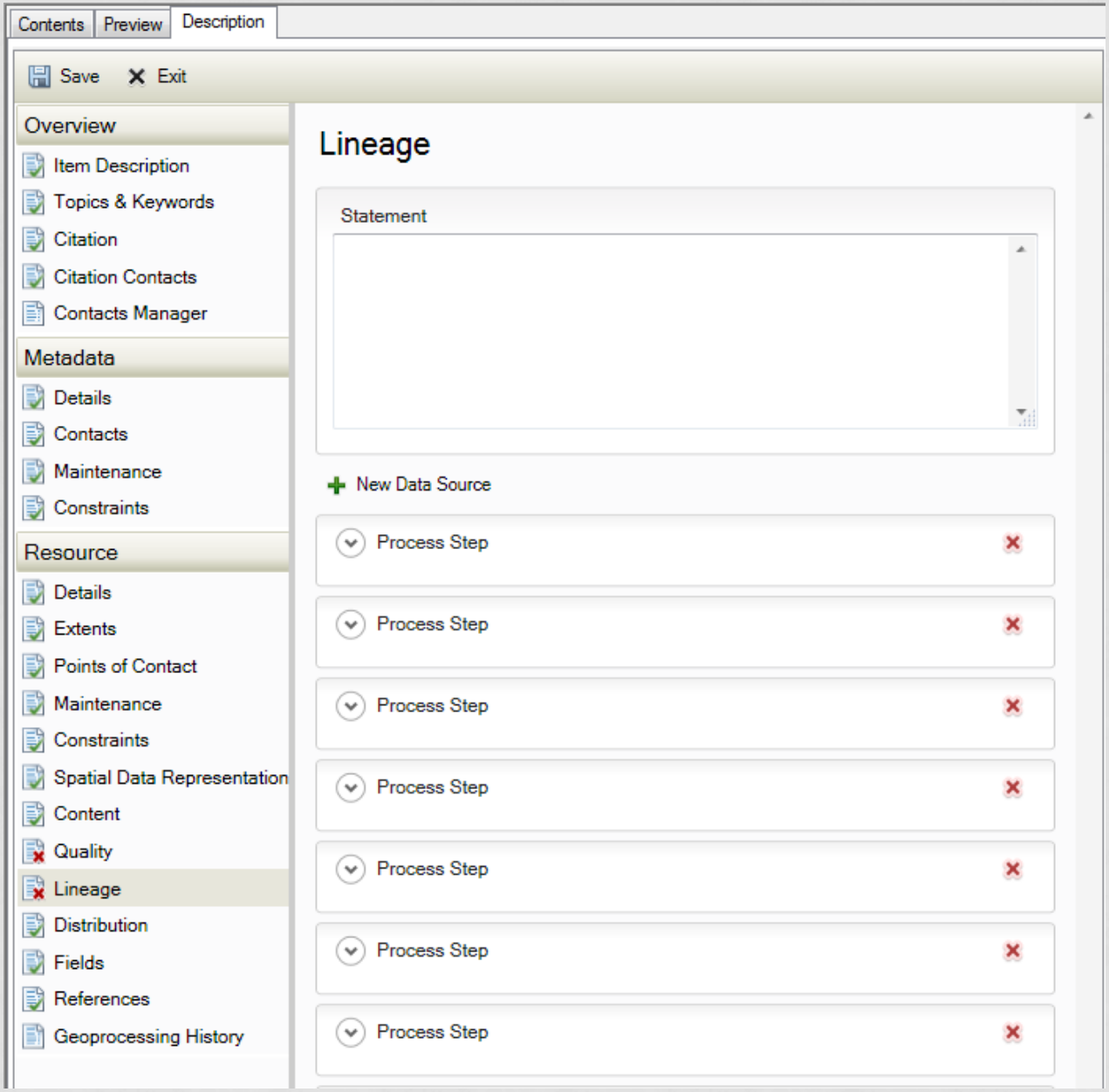
CHALLENGES

- Second bite of the apple not popular
  - ANOTHER standard? Learning one was hard enough!
  - There will be NO third bite this generation of users…
- ISO standards have been in rapid flux
  - **Must** wait for stable – 19115-1, encoding, tools
  - Support multiple? NAP?
- Most users maintain one or a few records – has to be easy
- ArcGIS editor ISO support
  - Plans for 19115-1?
  - Editable element attributes (e.g. nilReason)?
  - Ease-of-use issues
  - Customizations?
  - Output works with Geoportal Server?
- NAP workbook is only easily accessible ISO help doc
- NJGIN catalog project schedule

STRATEGY - EDITOR

- Begin free training class in fall on ArcGIS editor
  - Cooperative effort – NJOIT - OGIS and NJDEP – BGIS
  - FGDC - CSDGM style to start
  - Intro to ISO 19115-1 (std) and NAP (best practices)
  - Create transition-ready records as possible




Contents
Preview
Description
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Overview
Item Description
Topics & Keywords
Citation
Citation Contacts
Contacts Manager
Metadata
Details
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Constraints
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Details
Extents
Points of Contact
Maintenance
Constraints
Spatial Data Representation
Content
Quality
Lineage
Distribution
Fields
References
Geoprocessing History
Lineage
Statement
New Data Source
Process Step
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STRATEGY - CATALOG

- Redevelopment of NJGIN starts 8/2015 – added staff
- Start cleanup of current catalog contents
  - Edits where needed
  - Delete obsolete
  - Test transforms (?)

STRATEGY – DOWN THE ROAD

- Advice welcome!
- Customization of ArcGIS Editor?
- Customization of Geoportal Server (online) Editor ??
- Develop validation service for NJGIN (online)
  - With choice? Base std? NJ "profile" validation? Catalog-only?
- When NJGIN 2 is imminent
  - Transition training to ISO editing
- When NJGIN 2 is up
  - Outreach to potential contributors (esp local govt)