

# TRANSITIONING

FROM CSDGM TO ISO METADATA

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Edith Konopka – NJ Office of Information Technology, Office of GIS  
[edith.konopka@oit.nj.gov](mailto:edith.konopka@oit.nj.gov)

# NEW JERSEY GEOGRAPHIC INFORMATION NETWORK

<https://njgin.state.nj.us>

[njgin@oit.nj.gov](mailto:njgin@oit.nj.gov)

**njgin**  
new jersey geographic information network

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LAUNCH EXPLORER

- Home
- About NJGIN
- Browse Data
- Data Downloads
- Job Postings
- Map Services
- Metadata
- NJ Geospatial Forum
- Orthoimagery-LiDAR
- Road Centerlines Data
- NJGIN Partners
- Resources
- User Directory
- Contact Us

**Metadata SpotLight**

- Planning Areas of the NJ State Development and...
- Smart Growth Areas of New Jersey
- New Jersey Areas in Need of Rehabilitation, New Jersey...

**Quick Search**

Choose content type:  
<All Content Types>

Choose content theme:  
<All Content Themes>

Optional Keyword (e.g. river):

Start Search [ Full Search ]

**News And Events** Archives

Road Centerlines Data have been updated as of March 9th, 2015

Preliminary (draft) parcels data available for Essex County

Parcels data updated December 17th, 2014

New Jersey MOD-IV database tables updated for tax year 2013

NAIP 2013 added to statewide imagery layers available through our WMS

New Jersey LiDAR Collections Available

2012 NJ High Resolution Orthoimagery now available from the Information Warehouse in both MG3 and MG4 format.

Esri Term Contract Updated

NJ Geospatial Strategic Business Plan revised December 2012

**GIS Events Calendar**

JULY 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

This site is managed by the NJ Office of Information Technology, Office of GIS. **OGIS** NEW JERSEY

# 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 - AUTHORIZING

- 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

- Geoportals 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!)

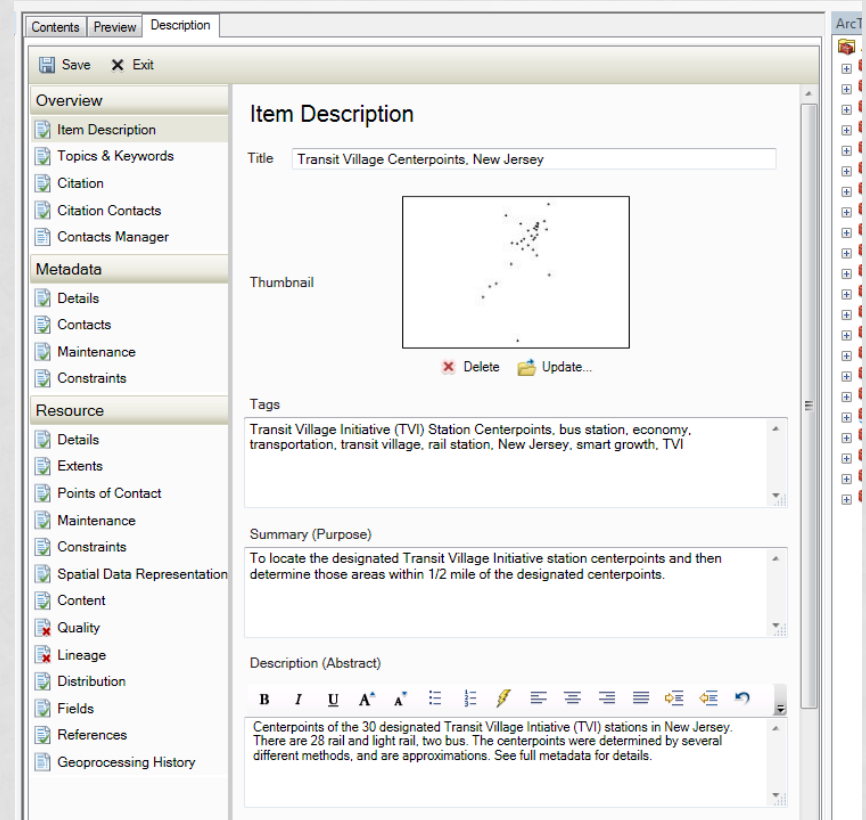


# CHALLENGES

- 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

Save X Exit

**Overview**

- Item Description
- Topics & Keywords
- Citation
- Citation Contacts
- Contacts Manager

**Metadata**

- Details
- Contacts
- Maintenance
- Constraints

**Resource**

- 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	X
Process Step	X
Process Step	X
Process Step	X
Process Step	X
Process Step	X
Process Step	X
Process Step	X

# 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)