

NORTH CAROLINA STATE AND LOCAL GOVERNMENT METADATA PROFILE

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Data, data, everywhere
And all the drives did shrink

Data, data, everywhere But none of it in sync





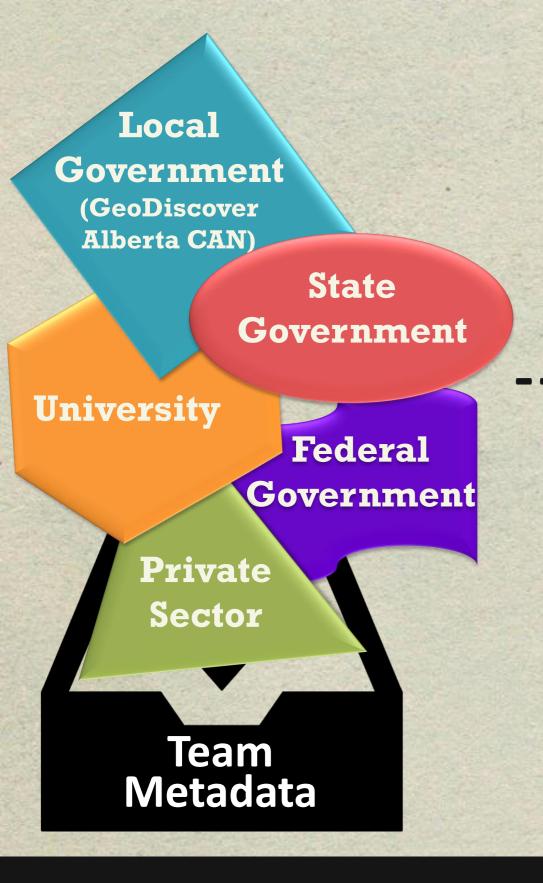








- 1994: FGDC adopts CSDGM as the federal standard
- 1998: NC adopts CSDGM as the state standard
- 2003: ISO publishes first 191** spatial metadata standards
- 2010: FGDC adopts ISO 191** as federal standard
- 2012: SMAC forms an ad hoc committee to review NC metadata standards
- 2014: ad hoc Metadata Committee recommends adoption of a profile compliant with ISO 191**



Objective

Carve down the standard into essential elements that support:

- standards compliance
- data discovery
- data reuse



Issues

- which standard to use?
- how much information/education to include to support implementation?
- how to format a profile?





- Learning new standards and tools
- Re\$ources
- Accountability

As a result: many organizations produce minimal, if any, metadata

The Problem

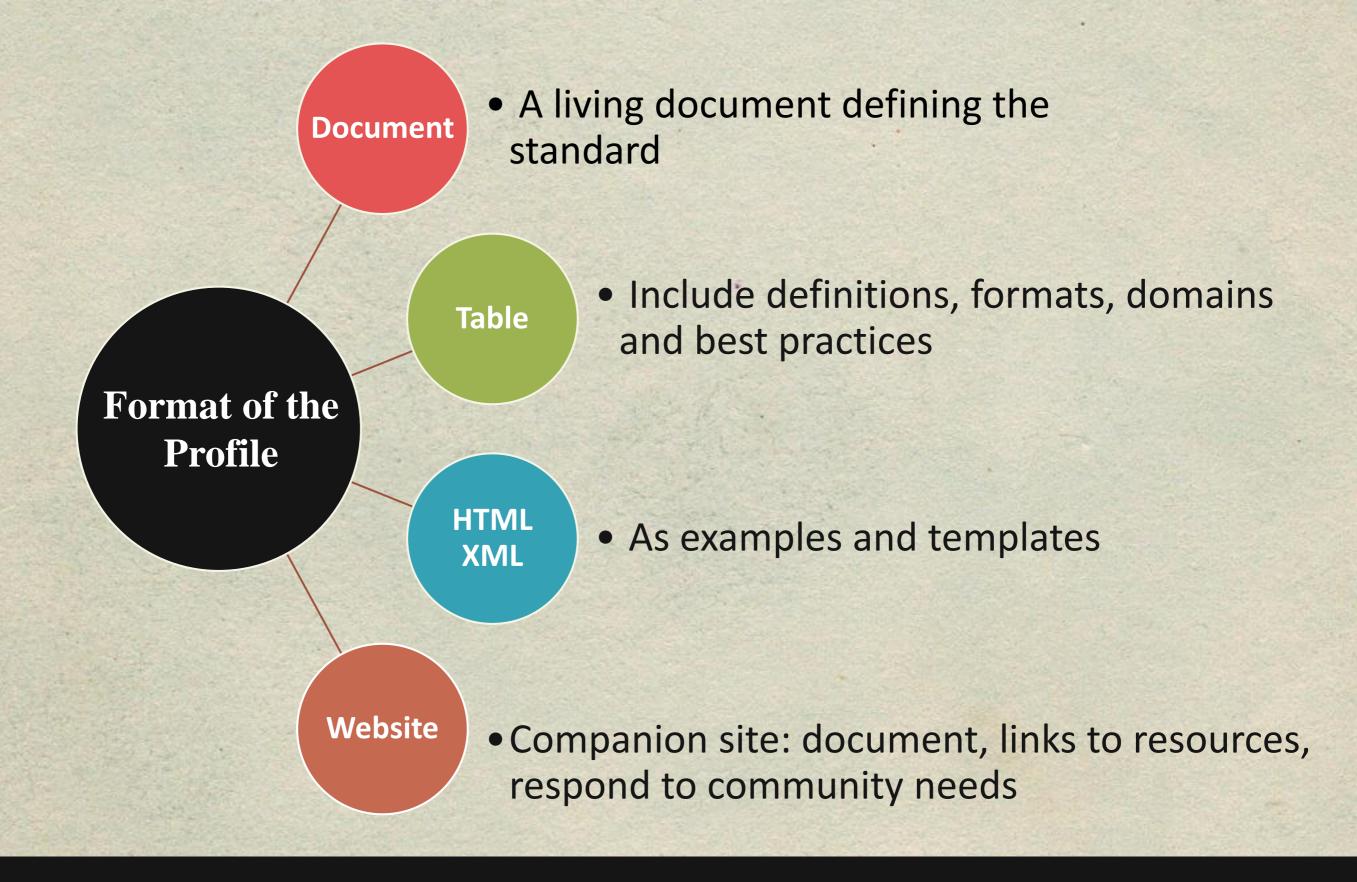


ISO Required **CSD** Requi **ISO** Essential



Process:

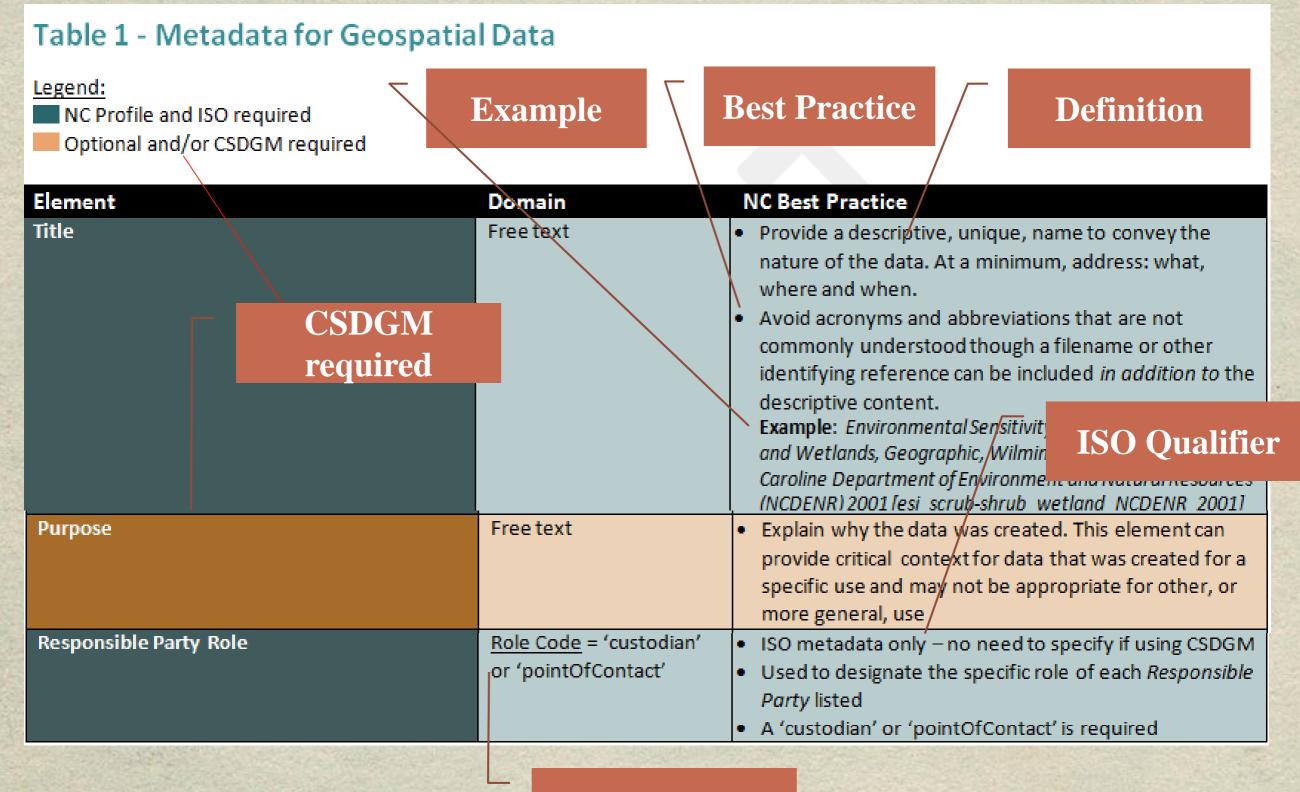
- 1. Include all ISO & CSDGM mandatory elements
- Add ISO elements essential to meet operational requirements
- 3. Identify non-mandatory elements:
 - CSDGM-only required
 ISO elements
 - 19115-1 specific elements
 - don't apply to all types of data



North Carolina State and Local Government Metadata Profile for Geospatial Data and Services

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Value of Compliant Metadata	vviiy.
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Table 2 - Metadata for Geospatial Services	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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Appendix 2. Standard Publications and Related Documents	

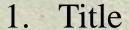


Domain

Dataset Metadata

Serv

Services Metadata



- 2. Publication Date
- 3. Responsible Party
- 4. Online Linkage
- 5. Abstract
- 6. Status
- 7. Maintenance / Update Frequency
- 8. Theme Keywords
- 9. Topic Category
- 10. Geographic Extent (N,S, W, E)
- 11. Temporal Extent of Content
- 12. Entity/Attribute Description
- 13. Process Description
- 14. Spatial Reference System / identifier
- 15. Metadata Date
- 16. Metadata Contact Name

- 1. Title
- 2. Publication Date
- 3. Responsible Party
- 4. Online Linkage
- 5. Abstract
- 6. Theme Keywords
- 7. Topic Category
- 8. Geographic Extent (N,S, W, E)
- 9. Metadata Date
- 10. Metadata Contact Name
- 11. Metadata Scope
- 12. Service Type



Site Navigation Home Obscover / Get Data Access to Local Geospatial Data NC StreetMap Road Centerlines Standards / Best Practices Metadata Business Case for Metadata Orthoimagery for North Carolina

GIS in NC - Who? What? Where?

NC OneMap Blog

Geospatial Portal Website

Geospatial Portal

Click on Logo to visit the Geospatial

Discover NC's Geospatial Data



Metadata

A geospatial metadata record is a file of information, usually an XML document, which captures the basic characteristics of digital data such as GIS files, geospatial databases, and imagery. It rep why and how of the resource. It can also be used to document other geospatial resources including data catalogs, mapping applications, and data models.

NC OneMap supports the Federal Geographic Data Committee's (FGDC) Content Standard for Digital Geospatial Metadata (CSDGM), as approved by the North Carolina Geographic Information Co

In 2014, the GICC approved another metadata standard based on the FGDC-endorsed ISO 191** (and associated) standards. North Carolina developed a "State and Local Government Metadata standard for those government agencies. The International Organization for Standardization (ISO) is the world's foremost developer of voluntary international standards. By adopting the ISO seri local governments ensure that their metadata will be published and searched in a consistent manner by agencies, organizations, and individuals throughout the world. Metadata creators are urged to

NC OneMap-supported metadata standards:

- State and Local Government Metadata Profile (based on ISO 191** suite of standards)
- Content Standard for Digital Geospatial Metadata (CSDGM)

State and Local Government Metadata Profile

The North Carolina Geographic Information Coordinating Council (GICC) has formally adopted the "State and Local Government Metadata Profile", based on the ISO 191** suite of geospatial met recommended standard for compliant geospatial metadata for North Carolina state agencies and local governments. The International Organization for Standardization (ISO) is the world's forem standards. By adopting the ISO series of standards, state agencies and local governments ensure their metadata will be published and searched in a consistent manner by agencies, organizations

Current version of the State and Local Government Metadata Profile

Get Data E

The XML metadata templates below are application-specific and are based on samples from the applications. They can be imported to their respective applications to provide a starting point for metadata examples below show what profile-compliant metadata can look like.

Software	Template	Example
Esri ArcGIS	XML	XML, HTML
QGIS	XML	XML, HTML
CATMDEdit	XML	XML, HTML

NC OneMap Data Explorer





CSDGM Metadata Templates

Start with a template. The CSDGM metadata templates below are customized for NC OneMap content providers:

The Profile Website

• November 2014 – Adoption by NCGICC?

• February 2015 – Presentation and promotion at the NC **GIS** Conference

• July 2015 – Presentation at the Esri International User Conference

• 2015 & Beyond – Workshops to promote ISO metadata and continuous updates to resources and templates

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