GIS Metadata Training & Outreach Assistance

MIAMI-DADE COUNTY & NSDI
2015
Introduction

- Name
- Agency
- Use of GIS
- Familiarity with Metadata?
- Workshop expectation?
Outline

- What is Metadata?
- Value of Metadata
- Metadata quality
- National Geospatial Data Assets (NGDA)
- National Spatial Data Infrastructure (NSDI)
- Geospatial Metadata Standards
- CSDGM & ISO Standards Overview
- Metadata Tools (CSDGM & ISO)
- Use ISO or CSDGM?
  - Break
- Hands-on training using ArcGIS
What is Metadata?

- Information about the data
- Who, what, when, where, why and how about data
- Metadata
Value of Metadata

- Avoid financial and analysis errors
- Reduce support efforts and cost
- Role, restrictions, limitation, etc.
- Aid data distribution efforts & data users
- Improve service & decision-making process
- Value
Quality Metadata

- Agency standard & level of documentation
- Difference between essential and operational level of metadata
- Metadata Review
- Quality Metadata
NGDA

- National Geospatial Data Assets (NGDA)
  - Coordinate Federal Geospatial assets
  - Support government mission

- Benefits
  - Reduce cost and duplication
  - Promotes Accessibility
  - Data sharing
  - Greater return on investment: reuse data, application & tools.
  - Etc…

NGDA
National Spatial Data Infrastructure (NSDI)

- Federal Geographic Data Committee (FGDC) leadership role in geospatial community.
- Presidential Executive Order 12906 (A-16)
- State of Florida Rule 1B-26.003, Florida Administrative Code
- Collaboration of governmental, private, non-profit and academia agencies.
- Vision: reduce geographic data duplication effort, improve quality and reduce cost among agencies.
NSDI cont.

- Source: technology, policies, criteria, standards and promote geospatial data sharing.
- Role: Provides structure of practice and relationship among data producers and users.
- Set of actions and new ways of accessing, sharing and using data geographic data.
- Clearinghouse: points to current and accurate data.
NSDI cont.

- [GISInventory.net](http://GISInventory.net) (National inventory of data)
  - Search for data
  - Create metadata
  - Publish metadata
  - Identify community-specific resources via theme
  - Post data

- [FGDC](http://FGDC)

- [Data.gov](http://Data.gov) (harvest from GISInventory)
Geospatial Metadata Standards

- Benefits of standards
- Content Standard for Digital Geospatial Metadata (CSDGM)
Geospatial Metadata Standards

- International Standard of Organization (ISO)
- Geospatial Metadata Standards
Metadata tools

- Metadata Tools (ISO or C SDGM)
  - Freeware
  - Commercial (ArcGIS, etc.)
Should you agency use ISO or CSGDM?
Questions
Break
Hands-on training
Using ArcGIS

User: CitrixTraining#
Password: Password
Many thanks to the Metadata staff at:
  FGDC (Jen, Gita, Lynda and others)
  NOAA
  FGDC site

Materials Miami-Dade County GIS site