2013 Esri International User Conference
July 8–12, 2013 | San Diego, California

Metadata Publication in the National GIS Inventory System (RAMONA)

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Miami-Dade County

Metadata Publication in the National GIS Inventory System (RAMONA)

- In 2012, Miami-Dade County was awarded the NSDI, Cooperative Agreement Program grant for Category 3, “Expanding Use of the GIS Inventory System”
- The grant supports state and local agencies in the creation of geographic metadata
- Promotes the use and publication of metadata in the national GIS Inventory- also known as RAMONA (Random Access Metadata for Online Nationwide Assessment)

Metadata Publication in the National GIS Inventory System (RAMONA)

Work started in August 2012 and will continue until January 2014.

The project has two main objectives:

- Creation and publication of metadata in the GIS Inventory
- Registration of GIS Managers in the system

http://www.gisinventory.net

Metadata Publication in the National GIS Inventory System (RAMONA)

What is the GIS Inventory ?

- Repository of metadata maintained by the National States Geographic Information Council (NSGIC)
- Primary purpose
  - To track geographic data availability
  - Status of Geographic Information Systems in state and local governments

Metadata Publication in the National GIS Inventory System (RAMONA)

Why participate?

- It's Painless
  - 20 minutes to document complete profile, 2-3 min per layer
- Easiest Way to Create CSDGM-Compliant Metadata
- It Connects Your Community
- It Connects You Nationally
  - You can use the system to locate others
  - Allows other agencies to find you

Metadata Publication in the National GIS Inventory System (RAMONA)

- First objective: Creation of Metadata
  - Inventory of existing metadata
  - Completion of contact list for existing datasets
  - Creation of metadata based on priorities
  - Use of ESRI ArcCatalog Metadata Editor using FGDC standards
  - Self-training in the use of the RAMONA system

Metadata Publication in the National GIS Inventory System (RAMONA)

Setting up the publication of Metadata in RAMONA

- Exported metadata to XML format with application developed in house

- Eliminated unnecessary tags from XML files with application developed in house

Ex: <thumbnail> </thumbnail>

- Published XMLs in web folder for the automatic metadata “harvesting”

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Use of the automatic “harvesting” tool

- Tool developed by the NSGIC
- Remote one-on-one training in the use of the tool
- First run allowed the detection of metadata issues

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Harvesting tool capabilities

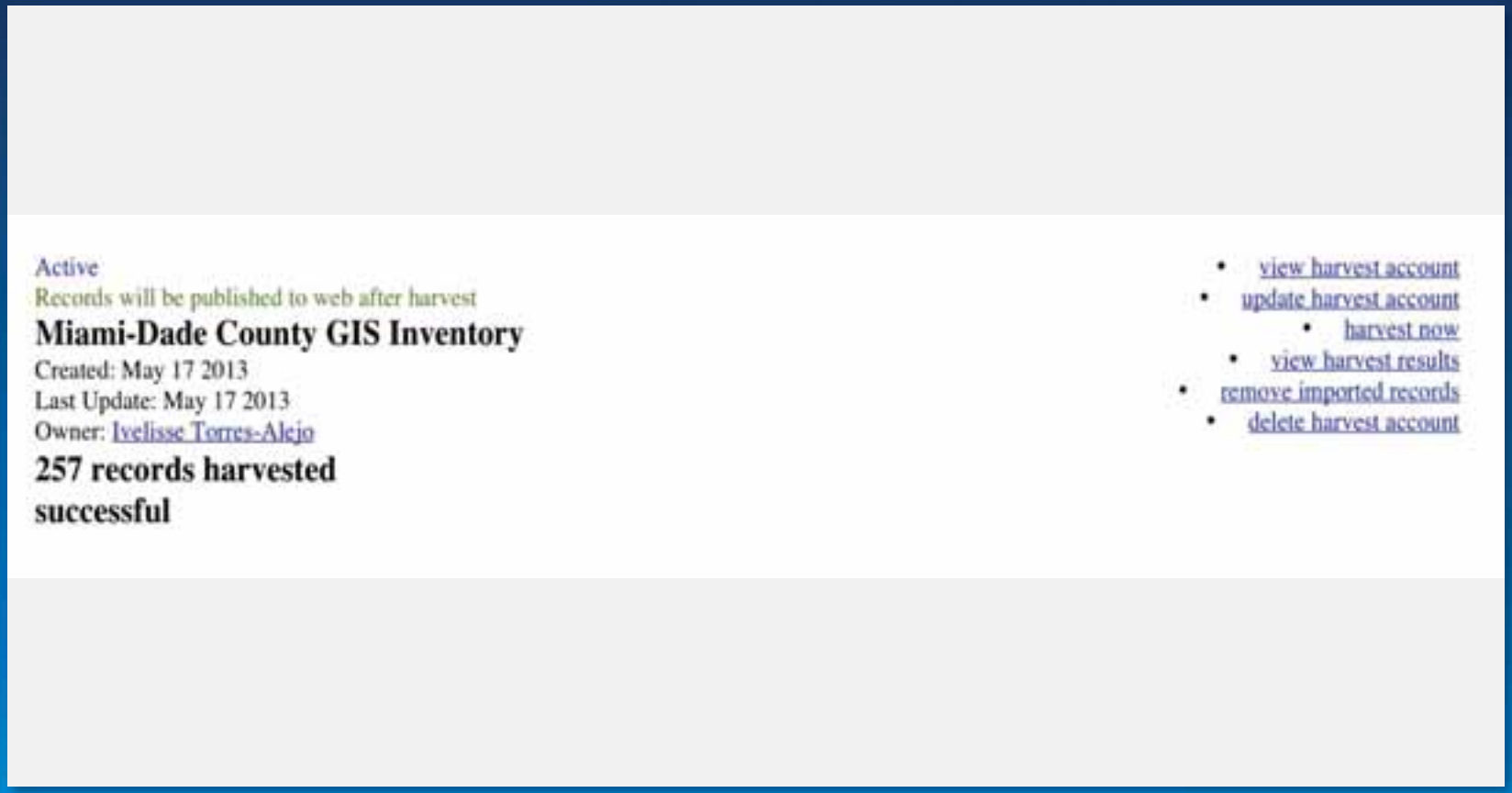
- Quality checking
- Staging area
- Preview capabilities
- Allows direct publication to RAMONA
- Uses a thesaurus of geographic terms enhancing the matching score among disparate systems

Metadata Publication in the National GIS Inventory System (RAMONA)

A total of 257 were successfully harvested

- Future work includes fixing problems detected
- Based on existing thesaurus, the County plans to standardize geographic terms.

Metadata Publication in the National GIS Inventory System (RAMONA)



Metadata Publication in the National GIS Inventory System (RAMONA)

Ramona GIS Inventory Metadata (FGDC/CSDGM)

Title	Flood Zones. To determine FIRM (Flood Insurance Rate Map) panel number. Published in 2012. 1:600 (1in=50ft) scale. Miami-Dade County. Information Technology Department.
Origin(origin)	Miami-Dade County. Information Technology Department
Publication Date(pubdate)	2012
Publication Info(pubinfo)	Miami. FL Miami-Dade County. Information Technology Department
Other Citation(othercit)	gis-inventory-metadata-6401-20818.xml
Online Link(onlink)	http://gis.miamidade.gov
Online Link(onlink)	http://gisweb.miamidade.gov/gisselfservices/Data/HTML/FEMAPanel.htm
Online Link(onlink)	http://www.miamidade.gov/technology/geographic-information-systems.asp

Metadata Publication in the National GIS Inventory System (RAMONA)

Second objective: Registration of GIS managers

- Six GIS managers were registered in the system
- Future work includes users training in the use of Ramona

Metadata Publication in the National GIS Inventory System (RAMONA)

Plans for the future

- Creation of pending metadata
- Enforcement of standards
- Introduction of ISO standards
- Continue metadata publication in RAMONA
- Train users in the use of the system

Metadata Publication in the National GIS Inventory System (RAMONA)

Advantages of using the system

- “The participation in this project will help establish a national entry point access to Miami- Dade County local data. This important initiative will result in a single search process for other agencies throughout the nation to get access to Miami-Dade data. Additionally, Miami- Dade departments, community agencies, and local government entities, including many of the 35 municipal governments in the County, will be able to access national data.”

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Metadata for Managers, Developers and Users

Bibi Oung

Miami-Dade County, Florida

Metadata for

- Managers
- Data Developers
- Users
- Available Resources

Presentation Material

- Will be available at http://www.miamidade.gov/technology/gis-metadata.asp

Questions???

Thank you!

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