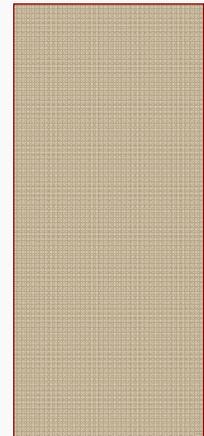


IOWA METADATA OUTREACH PROJECT - SUMMARY

A COLLABORATION BETWEEN IOWA GEOGRAPHIC INFORMATION
COUNCIL, IOWA GIS SERVICE BUREAU AND IOWA STATE UNIVERSITY
GIS SUPPORT AND RESEARCH FACILITY



March 20, 2013
FGDC Metadata Working Group
Amy Logan, mylogan@iastate.edu

PROJECT OVERVIEW

- Goal: Provide GIS users in the state of Iowa with metadata training, assistance, and management support.
 - 1) Outreach to 110 participants from across the state at attended metadata trainings and presentations
 - 2) Re-launch and refinement of Iowa Geospatial Data Clearinghouse as a data discovery tool for Iowa



PRE-PROJECT DATA COLLECTION

- Sent out a survey to GIS users across the state
- Barriers to metadata creation:
 - Lack of time
 - Lack of knowledge about metadata and metadata creation
 - Lack of staff
- Focus on addressing lack of knowledge and provide explanation of time-saving tools



BLOG LAUNCH

- February 2012
- Purpose: Media Outlet



The screenshot shows the homepage of the Iowa GIS Service Bureau blog. The header is a blue bar with the text "Iowa GIS Service Bureau". Below the header is a navigation menu with links for Home, About Us, Projects, Events, Documents, Resources and Links, and Contact. The main content area features a post titled "An Update from the Field: County and State Agency Metadata Training Days!" dated Tuesday, March 26, 2012. The post includes a photograph of a training session in a computer lab. To the left of the main content is a sidebar with sections for "CONTRIBUTORS" (listing Iowa GIS Service Bureau, Jim Giglerano, Evan Koester, Amy Logan, and Kevin Kane), "FOLLOW BY EMAIL" (with an email address input field and a Submit button), and "POPULAR POSTS" (listing "First Batch of Geocoding Project Points!", "Guess who's back, back again.", and "Metadata, what beautiful art!").

Iowa GIS Service Bureau

Home About Us Projects Events Documents Resources and Links Contact

TUESDAY, MARCH 26, 2012

An Update from the Field: County and State Agency Metadata Training Days!

CONTRIBUTORS

- Iowa GIS Service Bureau
- Jim Giglerano
- Evan Koester
- Amy Logan
- Kevin Kane

FOLLOW BY EMAIL

Email address

POPULAR POSTS

First Batch of Geocoding Project Points!
This week the Iowa DVR released the first batch of address and structure point GIS layers developed through the Iowa Geocoding Project. For...

Guess who's back, back again.
Metadata is back, tell a friend! Picture from Laura's Dart. Archive: The Iowa GIS Service Bureau will be hosting another Metadata T...

Metadata, what beautiful art!
I just used words to create this word cloud from the following metadata training invitation (you're invited, by the

Last week was busy for the Iowa GIS Service Bureau! On both Tuesday and Wednesday we hosted day-long metadata training workshops as part of the **Iowa Metadata Outreach Project** funded through a grant from the **Federal Geographic Data Committee (FGDC) Cooperative Agreements Program**. Tuesday's class was focused on county agency GIS users and Wednesday's class focused on state agency GIS users. Between the two days there were thirty-five participants. These workshops were targeted for novice or infrequent metadata creators.

The workshop covered several different topics. The first morning session was an introduction to metadata - what it is and why it should be created. It was followed by an exercise that gave users experience reading and searching for information in a metadata file. After a break, the second morning session covered two main ideas: 1) how metadata benefits different user groups (data producers, data users, and organizations) and 2) an explanation of metadata standardization and the **Content Standard for Digital Geospatial Metadata (CSDGM)**. To provide greater understanding of how the CSDGM workbook could be a good reference we did an exercise with the workbook.

TRAINING PARTICIPATION

- Butler County, Iowa – GIS
- Carroll County, Iowa – GIS
- Cherokee County, Iowa – GIS
- Clay County, Iowa – GIS
- Dubuque County, Iowa – GIS
- Emmet County, Iowa – Engineer
- Franklin/Hardin County, Iowa – GIS
- Hamilton County, Iowa – GIS
- Harrison County, Iowa – GIS
- Johnson County, Iowa – GIS
- Jones County, Iowa – GIS
- Linn County, Iowa – GIS
- Pottawattamie County, Iowa – GIS
- Poweshiek County, Iowa – GIS
- Warren County, Iowa – GIS
- Wright County, Iowa – GIS
- Kum & Go - GIS (private)
- Pioneer Hi-breed
- EarthView Environmental
- Northeast Iowa Resource Conservation and Development, Inc. – GIS
- State of Iowa Legislative Services Agency
- Iowa Department of Education
- Iowa Department of Revenue
- Iowa Department of Cultural Affairs
- Iowa Department of Transportation
- Iowa Department of Public Health
- Iowa Department of Management
- Iowa Department of Human Services
- Office of the State Archaeologist
- Iowa Department of Public Safety
- Iowa Workforce Development
- Kirkwood Community College -GIS
- Iowa State University GIS Support and Teaching Facility
- University of Iowa – Planning, Design and Construction
- Ellsworth Community College -GIS
- City of Cedar Rapids, Iowa Assessor's Office – GIS
- City of Johnston, Iowa - GIS
- City of Waterloo, Iowa – GIS

DATA COLLECTION

- Survey Monkey was a great tool for collecting data –
 - Time saver –
 - Automatic tabulation and summary of results
- Best response rate when we gave the survey link at the end of the class rather than sending out in an email later.



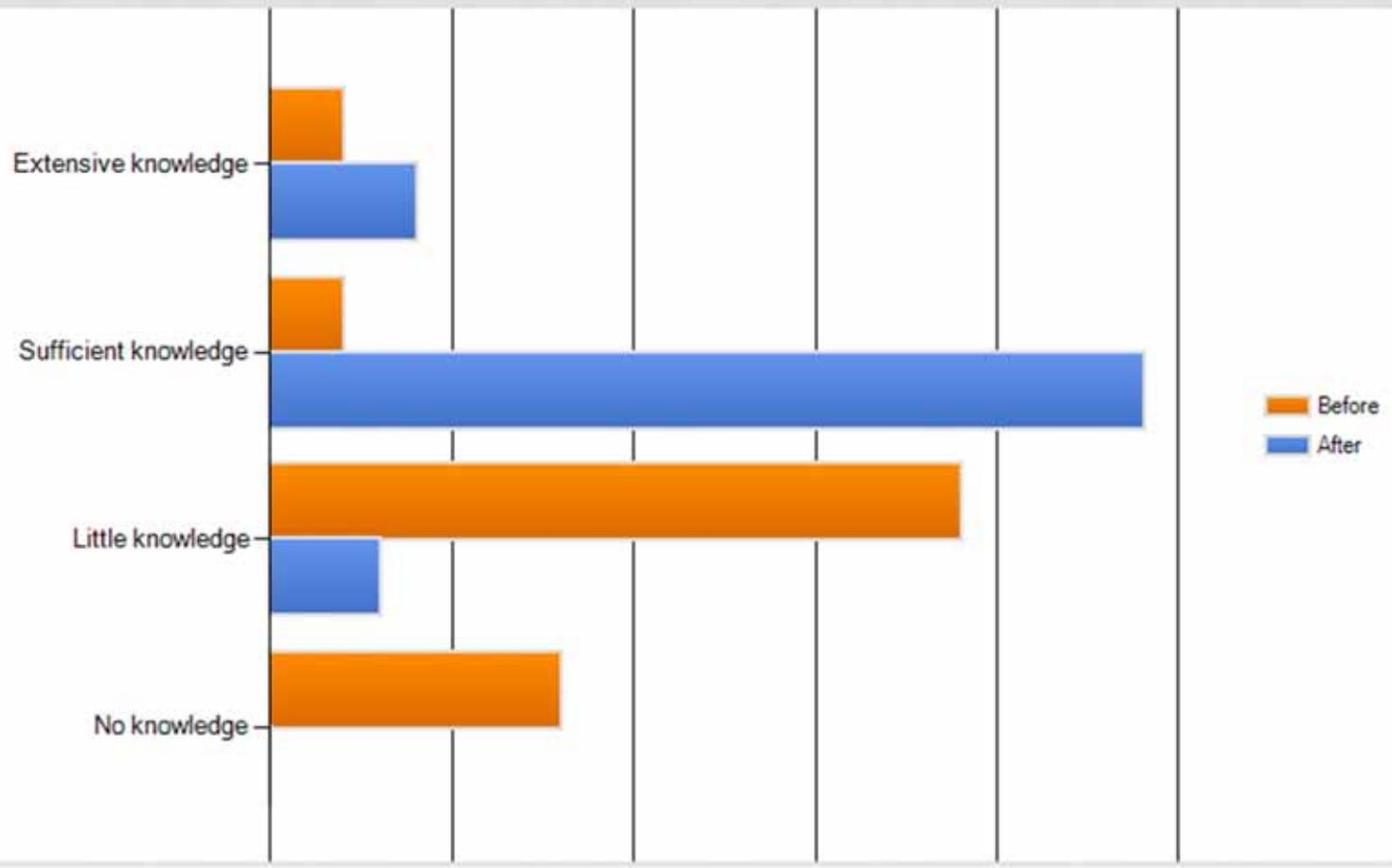
SURVEY RESULTS

Positive Feedback

- Learned about FGDC standards and hierarchy
- Appreciated exposure to variety of metadata editing tools (ArcGIS, EPA, IGDC)
- Validation that what they were doing was correct
- Available metadata resources

Suggested Improvements

- Could have spent more time on details of what to fill in
- Have a split class for beginners/intermediates
- More specific examples
- More time to review metadata with instructors



OF RESPONSES 0 5 10 15 20 25

YOUR ABILITY TO WRITE METADATA ON YOUR OWN

IOWA GEOSPATIAL DATA CLEARINGHOUSE

The clearinghouse is a data discovery tool driven by good metadata records. Records can be uploaded to the clearinghouse or created directly on the website.

The screenshot shows the homepage of the Iowa Geospatial Data Clearinghouse. At the top right, there is a navigation menu with links for Login, Register, Help, About, Feedback, and What's New. Below this is the site title "Iowa Geospatial Data Clearinghouse" and the subtitle "Iowa Geographic Information Council". A secondary navigation bar contains links for HOME, SEARCH, and BROWSE. The main content area features a welcome message, a search box with a "Search" button, and a section for publishing data with links for "Register here!" and "Sign in now!". The footer contains a note about the site's construction using the Geoportal Server and links to Standards, Disclaimer, and Privacy or Contact Us.

Login Register Help About Feedback What's New

Iowa Geospatial Data Clearinghouse
Iowa Geographic Information Council

HOME SEARCH BROWSE

Welcome to the Iowa Geospatial Data Clearinghouse!

The purpose of the IGDC is to help users find GIS data for the state of Iowa. The site is a cooperative effort between the **Iowa Geographic Information Council** and local, state, federal and other GIS data producers in Iowa. Users may search by location or topic for available data, many of which have links to where data can be directly downloaded. Data producers are encouraged to register for an account and publish metadata for their GIS data collections so the public can easily find it. The site is maintained by the **Iowa State University's GIS Support and Research Facility**.

Search for Iowa Data

Search

Publish Your Own Iowa Data

Haven't registered yet? [Register here!](#) Already registered? [Sign in now!](#)

The Iowa Geospatial Data Clearinghouse was built using the Geoportal Server.
Please read the [Standards](#), [Disclaimer](#), and [Privacy or Contact Us](#).

IOWA GEOSPATIAL DATA CLEARINGHOUSE

- Previously used ArcIMS. The product was challenging to use and was eventually retired from ESRI's supported product line.

- The IGDC is an ESRI geoportal. We have found it much easier to maintain and to modify to fit our needs and preferences

Welcome, amylogan [Logout](#) [My Profile](#) [Help](#) [About](#) [Feedback](#) [What's New](#)

Iowa Geospatial Data Clearinghouse

Iowa Geographic Information Council

[HOME](#) [SEARCH](#) [BROWSE](#) [ADMINISTRATION](#)

Manage [Add](#)

Document title:

Document UUID:

Site UUID:

Document owner:

Approval status: Publication method: Protocol Type:

Update date between: and (yyyy-mm-dd)

For selected records:

Results 1-50 of 310 records

Action	Title	Owner	Status	Method	Date	Access
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	to	bacutler	Draft	Editor	2013-01-28	Unrestricted
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	to	SHP_DCA	Approved	Editor	2012-11-01	Unrestricted
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	to	SHP_DCA	Approved	Editor	2012-11-01	Unrestricted
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	to	SHP_DCA	Approved	Editor	2012-11-01	Unrestricted
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Iowa Historic Cemeteries	SHP_DCA	Approved	Editor	2012-11-01	Unrestricted
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Iowa Historic Standing Structure Inventory	SHP_DCA	Approved	Editor	2012-11-01	Unrestricted
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Johnson County, Iowa Property Information Viewer	rhavel	Approved	Editor	2012-10-24	Unrestricted

Clearinghouse Features

MULTIPLE SEARCH OPTIONS

- a) Key word Search
- b) Geospatial Search
- c) ISO Keyword
Data Categories

The screenshot displays the Iowa Geospatial Data Clearinghouse website. At the top, there are links for 'Login', 'Register', 'Help', and 'About'. Below the header, a navigation bar includes 'HOME', 'SEARCH', and 'BROWSE'. A search bar with a 'Search' button is positioned below the navigation. The main content area features a 'Clear All Options' link and a 'GEOSPATIAL SEARCH' section. This section includes three numbered instructions: 1) HOLD SHIFT KEY AND DRAW A BOX, 2) SELECT INTERSECTING OR FULLY WITHIN, and 3) SET OTHER SEARCH CRITERIA AND CLICK SEARCH OR PRESS ENTER. Below these instructions are three radio buttons for 'Anywhere', 'Intersecting', and 'Fully within'. A search bar with a magnifying glass icon is located below the radio buttons. A map of Iowa is displayed, showing major roads and cities. Below the map, there are three filter sections: 'SORT BY' with a dropdown menu set to 'Relevance', 'CONTENT TYPE' with a dropdown menu set to 'Any', and 'DATA CATEGORY' with a list of categories and checkboxes. The categories listed are: Administrative and Political Boundaries, Agriculture and Farming, Atmosphere and Climatic, Biology and Ecology, Business and Economic, Cadastral, and Cultural, Society and Demography.

Clearinghouse Features

BROWSE FEATURES

- a) Content Type
 - b) ISO Topic Categories
- These functions again highlight the importance of good metadata records.

The screenshot displays the Iowa Geospatial Data Clearinghouse website. At the top, there is a navigation bar with links for Login, Register, Help, About, Feedback, and What's New. Below this is the site title "Iowa Geospatial Data Clearinghouse" and the subtitle "Iowa Geographic Information Council". A secondary navigation bar contains links for HOME, SEARCH, and BROWSE. The main content area is titled "Browse through the data located in our clearinghouse." and features a "Catalog" tree on the left. The tree is organized into two main sections: "Content Type" and "ISO Topic Category". Under "Content Type", items include Applications, Clearinghouses, Documents, Downloadable Data (highlighted), Geographic Activities, Geographic Services, Live Map Services, Map Files, Offline Data, and Static Map Images. Under "ISO Topic Category", items include Administrative and Political, Agriculture and Farming, Atmosphere and Climatic, Biology and Ecology, Business and Economic, Cadastral, Cultural, Society and Demography, Elevation and Derived Products, and Environment and Conservation. To the right of the catalog tree, there are 98 search results. The first result is "State of Iowa Boundaries, Iowa Department of Transportation", followed by "Airports in Iowa, Iowa Department of Transportation", "Heliports in Iowa, Iowa Department of Transportation", and "Bike Trails of Iowa". Each result includes a brief description and links for "Open Website", "Details", and "Metadata". At the bottom of the page, a footer states: "The Iowa Geospatial Data Clearinghouse was built using the Geoportal Server. Please read the Standards, Disclaimer, and Privacy or Contact Us."

Clearinghouse Features

UPLOADING AND CREATING DATA

- a) Ability to upload previously created metadata
- b) Create metadata through the Clearinghouse editor

Welcome, amylogan [Logout](#) [My Profile](#) [Help](#) [About](#) [Feedback](#) [What's New](#)

Iowa Geospatial Data Clearinghouse

Iowa Geographic Information Council

[HOME](#) [SEARCH](#) [BROWSE](#) [ADMINISTRATION](#)

[Manage](#) [Add](#)

This page lets you to choose an appropriate method for creating data. It can be either registration of resource available on the network, uploading metadata file existing on the local disk or using dedicated editor to manually create valid metadata.

- Register resource on the network
- Upload metadata file from the local disk
- Use the clearinghouse editor to create metadata manually

[Proceed](#)

[Save as Draft](#) [Publish \(To be approved\)](#)

FGDC

[Identification](#) [Quality](#) [Spatial Reference](#) [Entity and Attribute](#) [Distribution](#) [Metadata](#)

Identification Information

[Citation](#) [Description](#) [Time and Status](#) [Extent](#) [Keywords](#) [Constraints](#) [Contact](#) [Additional](#)

Citation Information

Originator [Unknown](#)

Publication Date [Unknown](#) [Unpublished material](#)

Publication Time

Title

Edition

Geospatial Data Presentation Form

Series Information

Publication Information

Other Citation Details

Online Linkage (URL)

* Bold-Italic labels indicate a required field

WHERE ARE WE GOING FROM HERE?



- Continue to make improvements to the Clearinghouse (publishing guide and metadata guide - *COMING SOON*)
- Build partnerships and collaborations to get more users/metadata
- 2012 CAP grant: Expanding the GIS Inventory in Iowa – we are synchronizing the IGD Clearinghouse and gisinventory.net

COMMENTS AND QUESTIONS

Iowa Service Bureau Blog:
<http://iagiservicebureau.blogspot.com/>

Iowa Geospatial Data
Clearinghouse:
www.iowagis.org/

amylogan@iastate.edu

