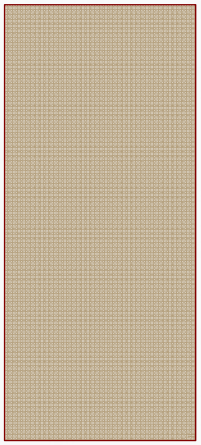
IOWA METADATA OUTREACH PROJECT - SUMMARY

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
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PROJECT OVERVIEW

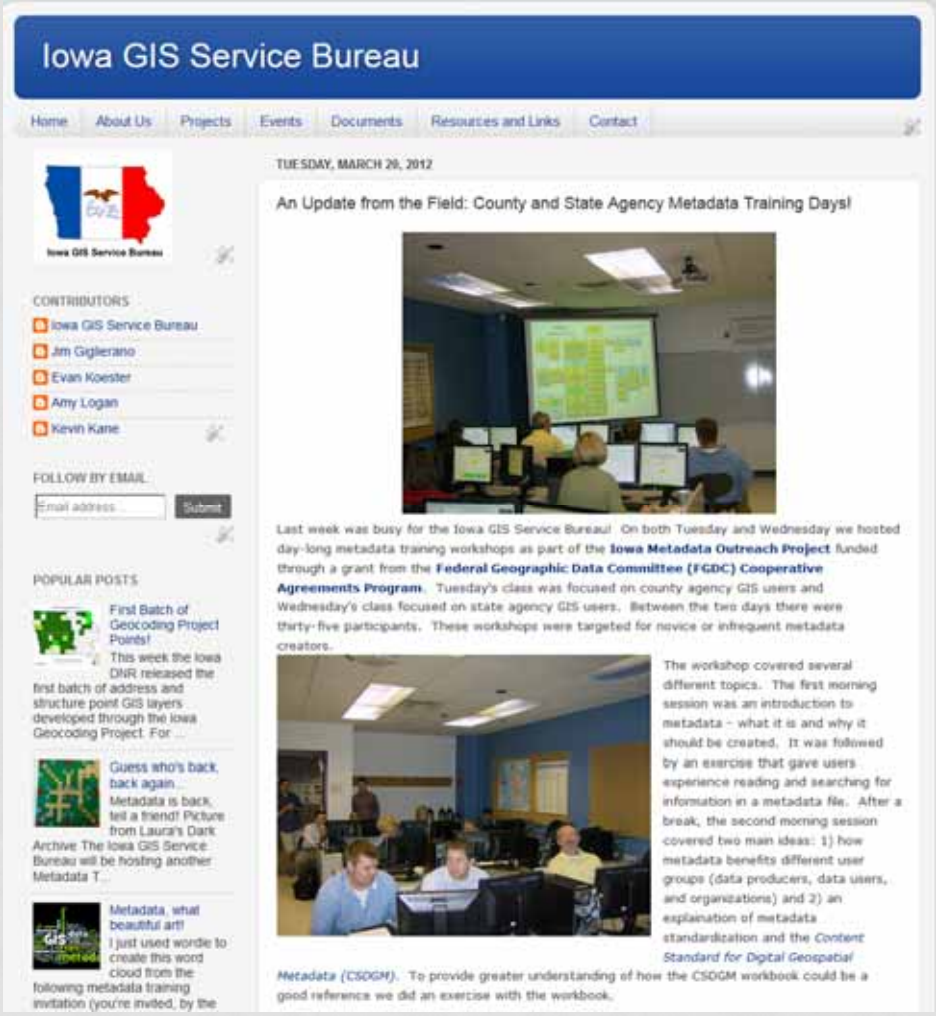
- Goal: Provide GIS users in the state of Iowa with metadata training, assistance, and management support.
  - 1) Outreach to 110 participants from across the state at attended metadata trainings and presentations
  - 2) Re-launch and refinement of Iowa Geospatial Data Clearinghouse as a data discovery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



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.

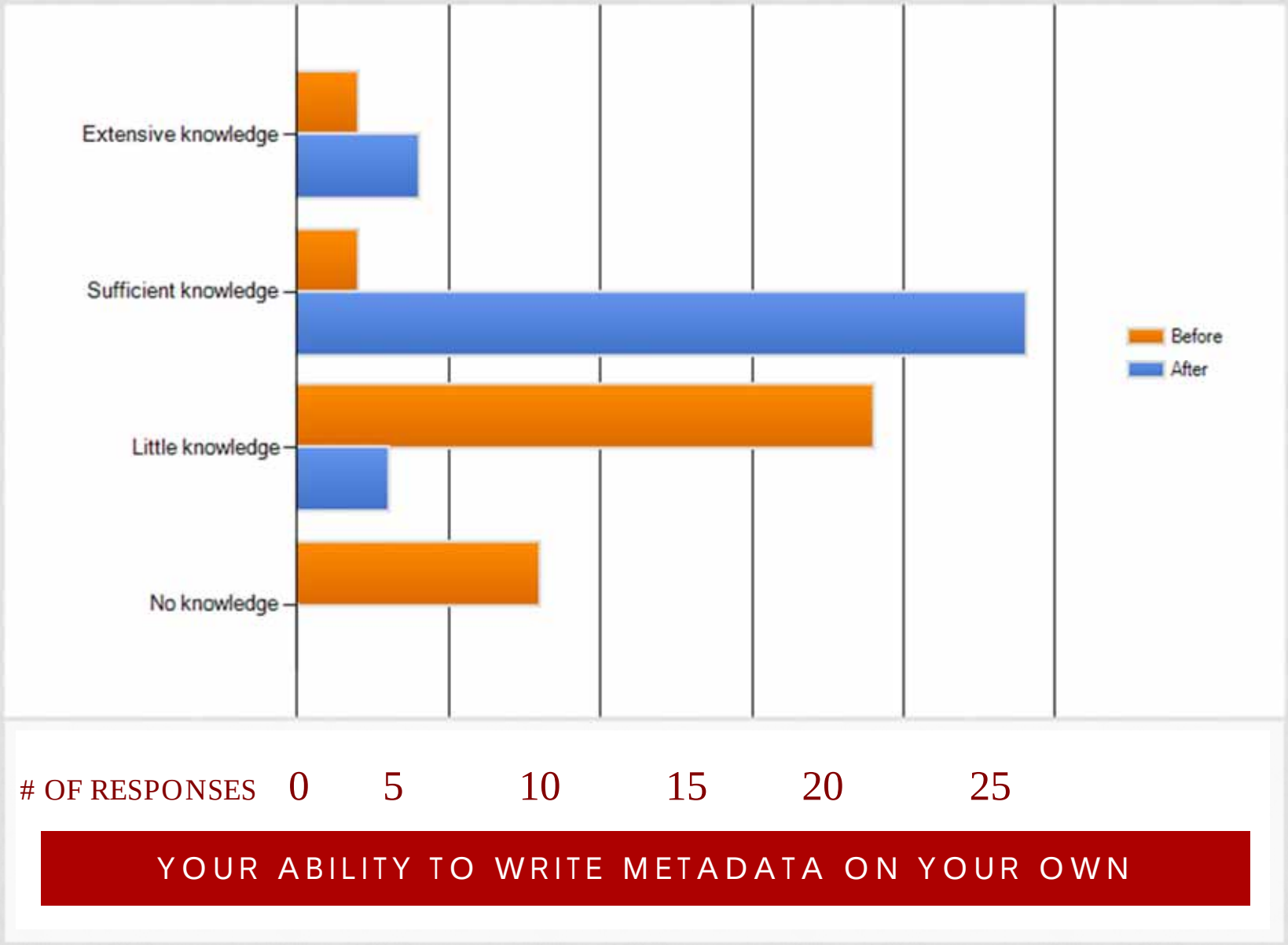
SURVEY RESULTS

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

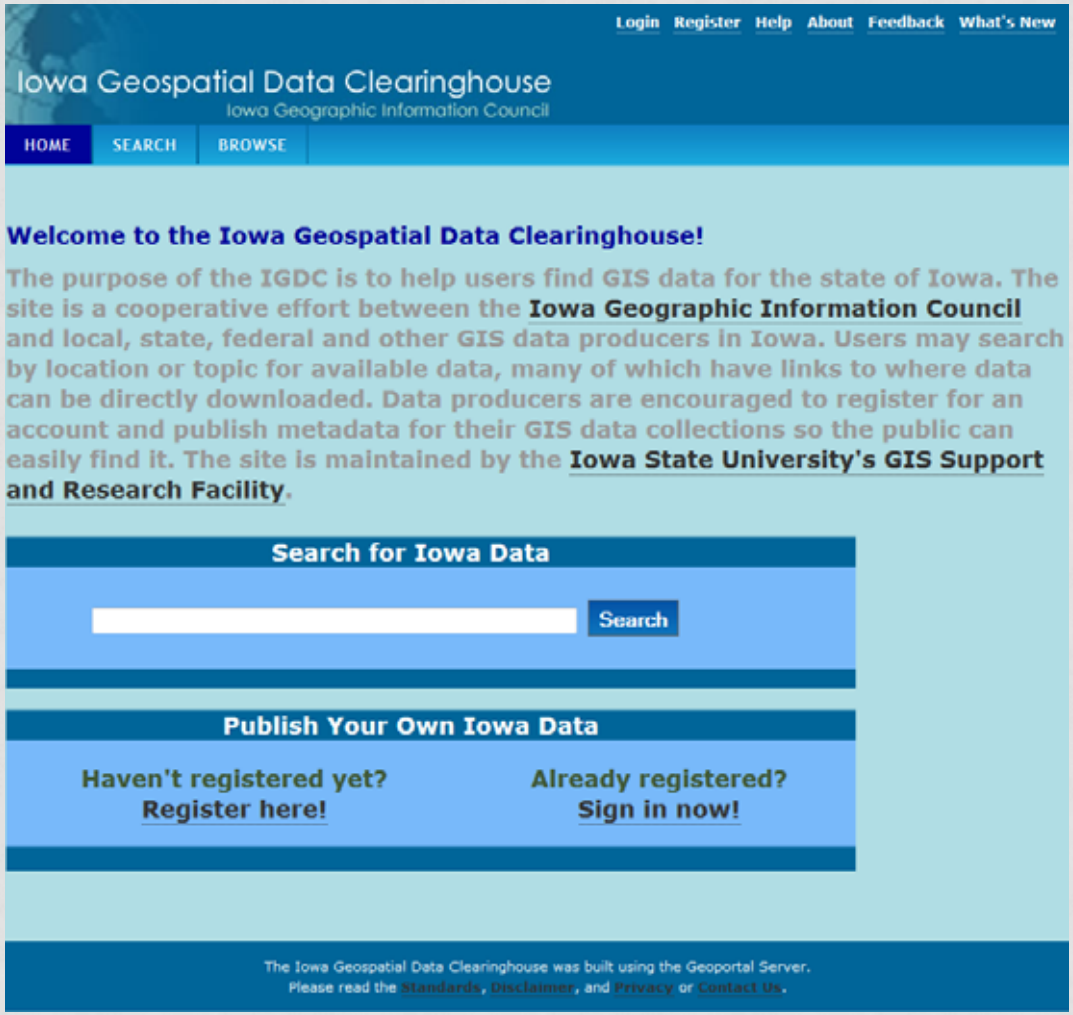
Suggested Improvements

- 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


Extensive knowledge
Sufficient knowledge
Little knowledge
No knowledge
Before
After
OF RESPONSES
0
5
10
15
20
25
YOUR ABILITY TO WRITE METADATA ON YOUR OWN

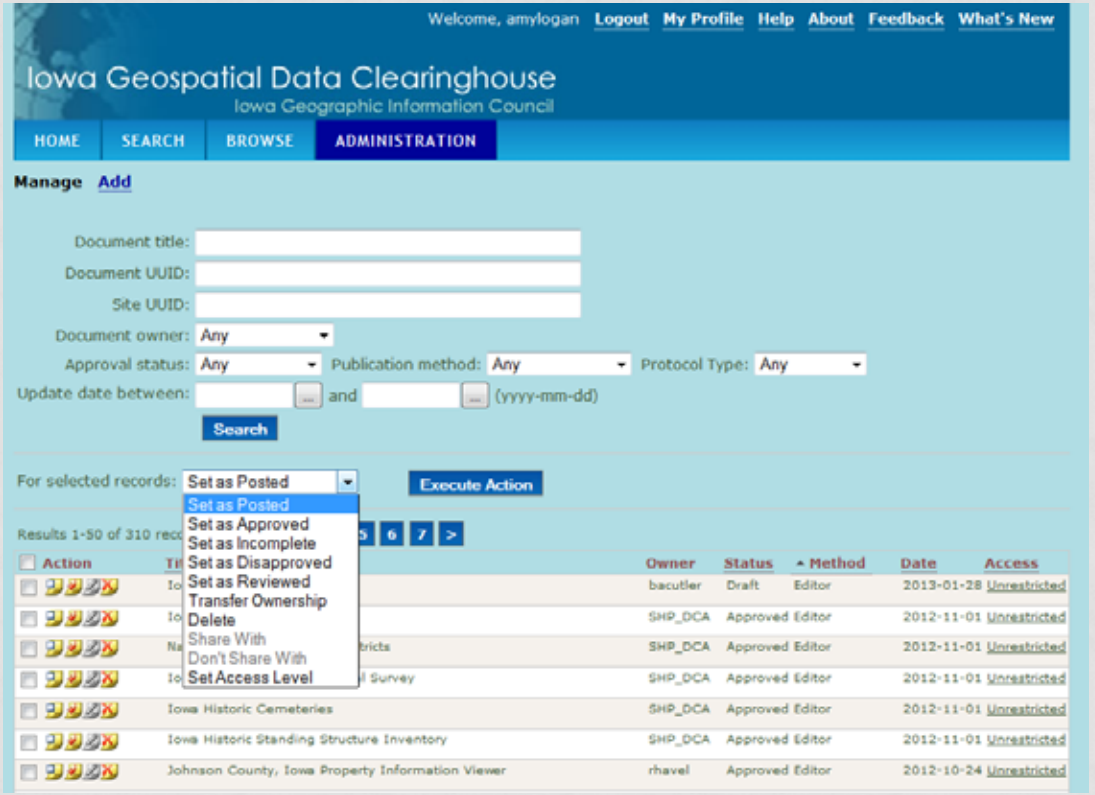
IOWA GEOSPATIAL DATA CLEARINGHOUSE

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.



IOWA GEOSPATIAL DATA CLEARINGHOUSE

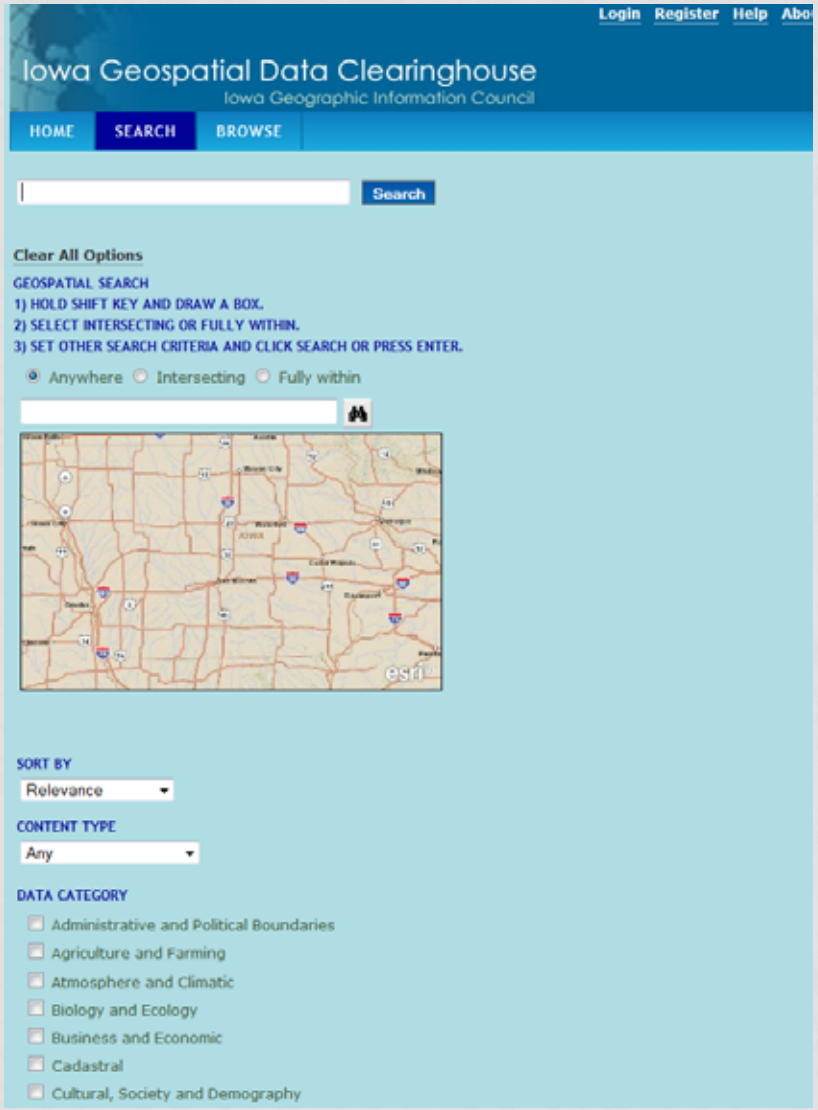
- Previously used ArcIMS. The product was challenging to use and was eventually retired from ESRI's supported product line.
- The IGDC is an ESRI geoportal. We have found it much easier to maintain and to modify to fit our needs and preferences



Clearinghouse Features

MULTIPLE SEARCH OPTIONS

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

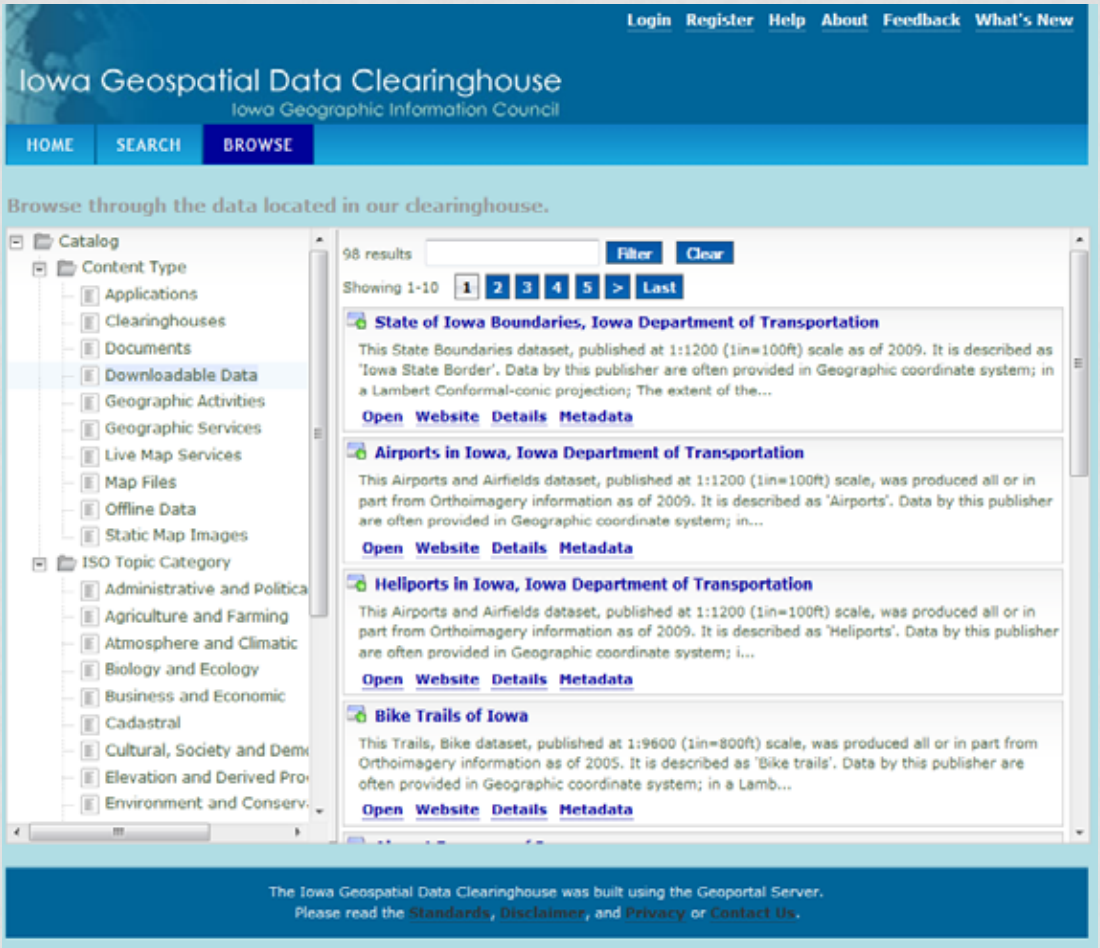


Clearinghouse Features

BROWSE FEATURES

a) Content Type
b) ISO Topic Categories

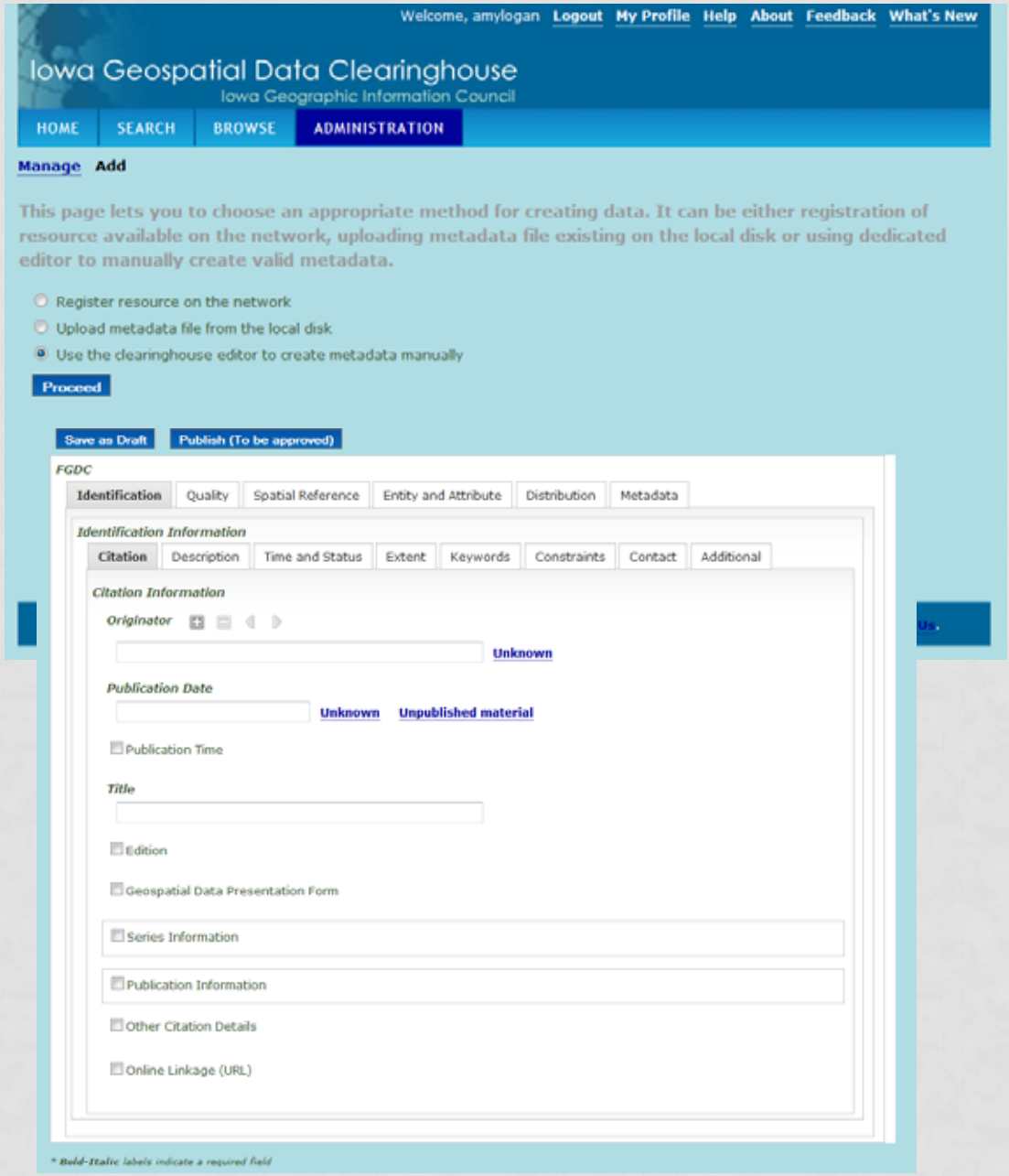
- These functions again highlight the importance of good metadata records.



Clearinghouse Features

UPLOADING AND CREATING DATA

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



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/

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