Jumping Ahead
Meaningful Metadata Modernization
Jordan Erker & Erin Mansell | GeoDiscover Alberta | July 8, 2015
Large Land Base 255,541 sq mi
- Sparse Population Distribution
- 1.5 times the size of California with about a 1/10 of the population

Resource Based Economy
- Highly Specialized Interests
- Technology Enabled – SuperNet

Independent Culture
- Demand for Autonomy
- Demand for Expertise
METADATA & THE PORTAL

SUBMITS
Metadata Records
Partners

COLLECTS
Metadata Records
Portal

USES
Metadata Records
Viewer
METADATA & ALBERTA

Stakeholders & Accomplishments

1998 GoA PROFILE
MODIFIED FGDC: CSDGM

2009 GDA PORTAL
Metadata records form portal search engine
2013 ARCGIS 10.x
ArcCatalog no longer supports a modified FGDC profile

2014 EDITING TOOL
Requirements gathering around creation of a FGDC metadata style sheet.
2015 PROFILE CHANGE
Project to test implementation strategies for ISO NAP 19115.
METADATA & ALBERTA

- 1998 MODIFIED FGDC: CSDGM
- 2009 GDA PORTAL OPENS METADATA RECORDS
- 2013 UPGRADE TO ARCGIS 10.X – JEOPARDIZES METADATA CREATION
- 2014 BUILDING OF A METADATA EDITING TOOL TASKED
- 2015 JUMPING AHEAD AND DECIDING TO MODERNIZE THE PROFILE
REASONS TO JUMP

- Complications due to customized profile
- FGDC Deprecation
- No forthcoming enhancements
- Opportunity for metadata quality enhancements
CHANGING PROFILES

ISO 19115 NAP
here we come!
Making the Jump
Modernizing the GoA’s geospatial metadata profile.

Even if you are on the right track you will get run over if you just sit there. – Will Rogers

The goal of this project is to update the GoA’s geospatial metadata profile from a customized version of FGDC:CGDSM to standard instance (not customized) of ISO NAP 19115-1 and have the Geodiscover portal records completely updated by December 31, 2015.
What we learned from **not building** the tool...

**WE WANTED TO:**

- Improve Content Standardization
- Simplify Metadata Creation
- Automate Conversion
- Enhance Educational Resources
- Increase Editors
- Align with current federal standards
For the project to be successful the following **elements** need to be addressed.
CHALLENGES

- Multiple Editors with Idiosyncratic Styles
- Internal & External Audiences
- Federated Authority or Minimal Support Resources
- Disagreement on Key Deliverables

COMPLEXITY

- Limited Time Availability
- Multiple Departments & Agencies Involved

ENGAGEMENT

SCHEDULE
SPRING BOARDS

- Limitations of ARCCatalog
- Support from Operational GIS Editors
- Help from External SME's
- Tasking Diverse Deliverables
KEY DELIVERABLES

Engaged Community Of Practice

QUALITY ASSURANCE

TRAINING PACKAGE

OFF – THE SHELF TOOL
Engaged External SME's on Project

Multi-stakeholder Project Sign-off

Initial Learning & Unique Crosswalk Development

Testing Crosswalk with Conversion Methodologies

Enable on Test Portal for new Metadata Records
NEXT STEPS

- Complete Training Package
- Quality Assurance checking on Converted Records
- Publish new metadata on portal
- Deploy training package across GoA
- Validate if ArcCatalog Tools are sufficient
“In the long history of humankind those who learned to collaborate and improvise most effectively have prevailed.”

-Charles Darwin
QUESTIONS

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GeoDiscover Alberta – Alberta’s Open Geospatial Office