Idaho Geospatial Council – Executive Committee (IGC-EC)

SEPTEMBER 17, 2020
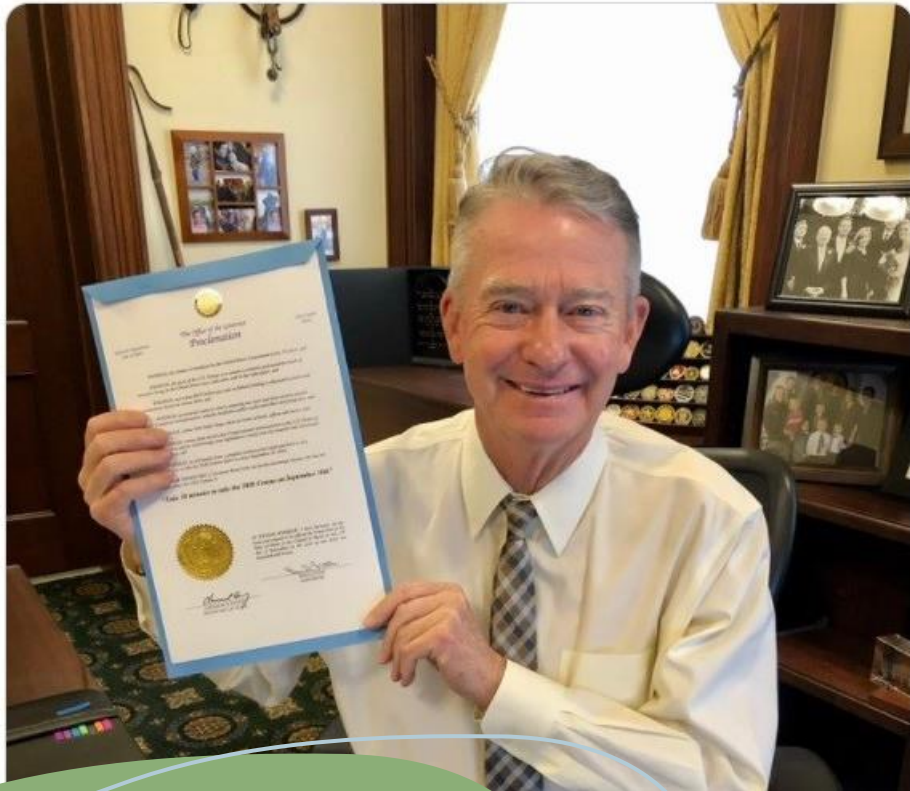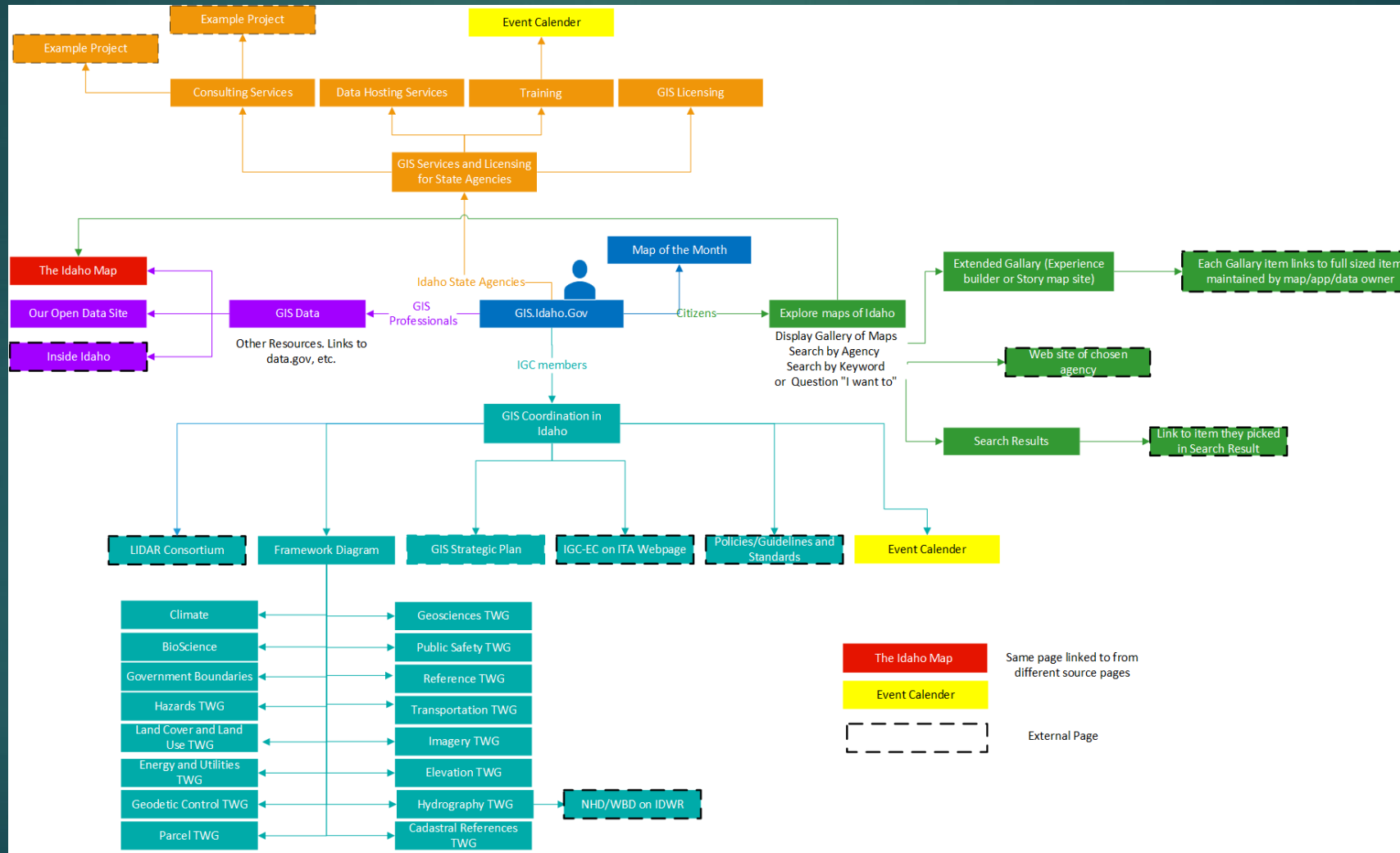
Minutes

▶ *July 16, 2020*

Census Updates:

- Still time to respond September 30th is the last day!

- 68.9% Idahoans have self responded (9/14/2020)

- 30.5% NRFU

- https://2020census.gov/en/response-rates.html

WEBSITE REVAMP/UPDATE

GIS.IDAHO.GOV

What?

Why?

- Modernize design and comply with state approved website templates
- Improve UX, site organization, and flow
- Remove outdated content and update with new/current information
- Improve visibility and accessibility to…
  - existing open data portals
  - TWG activities and documentation
  - State Agency GIS services and licensing
  - State GIS coordination for standards, leadership, frameworks, policies, etc.

How?

- TWG Pages
  - Currently getting feedback from TWG chairs on changes to existing pages
  - Updating content, graphics, links, historical minutes, etc.
  - For those TWGs without chairs, we will review and update as is reasonable
- Other site pages
  - Being reviewed and content checked for temporal relevance and accuracy
  - Existing links to third party sites are being verified that they are still working
    - New and relevant third-party site links could be added (any proposals?)

How? - continued

- Setting up development/test site that can be used for design, development, review, and testing
  - Just was made available last week
- Once the pages are drafted, we will need people to review and test
  - Will need to see how the site can be shared out for testing

When?

- Would like to target having new site ready to be published out to the world by mid-November if possible...
  - Will depend on getting requested updates/changes from content owners
  - Will also depend on being able to get testers involved and test-identified issues documented and resolved in a timely manner
- ...but no later than pre-holidays in December

IGC-EC STRATEGIC PLAN GOAL #1

Subcommittee Update 9/17/20

GOAL:

Create/Support a robust geospatial clearinghouse for sharing current and historical TIM Framework and other authoritative layers.

Objective:

Seek and secure funding and staffing needed for an official TIM geospatial data clearinghouse

Strategy:

Have a designated clearinghouse administrator who can reach out and support TIM/Authoritative data stewards, review datasets and documentation and help keep them current, and maintain the clearinghouse website; acquire and maintain dedicated funding for this position.

State Open Data vs INSIDE:

State Open Data Portal =

Authoritative State Agency Data & TIM Framework Layers

INSIDE Idaho =

Authoritative data from any agency/org in Idaho & TIM Framework Lakers

Outreach:

- Wilma & Mike meet with State Agency GISers
  - *Talked about State Portal & INSIDE*
- Wilma is reaching out to possible TIM data authorities
- Mike looking into resources – infrastructure and/or staff
- Contacting other local govt agencies and organizations
- INSIDE Idaho show-and-tell @ IGC Mtg (Oct. 13, 1-2:30 PM)
- Authoring Awesome AGOL Content @ IGC Mtg
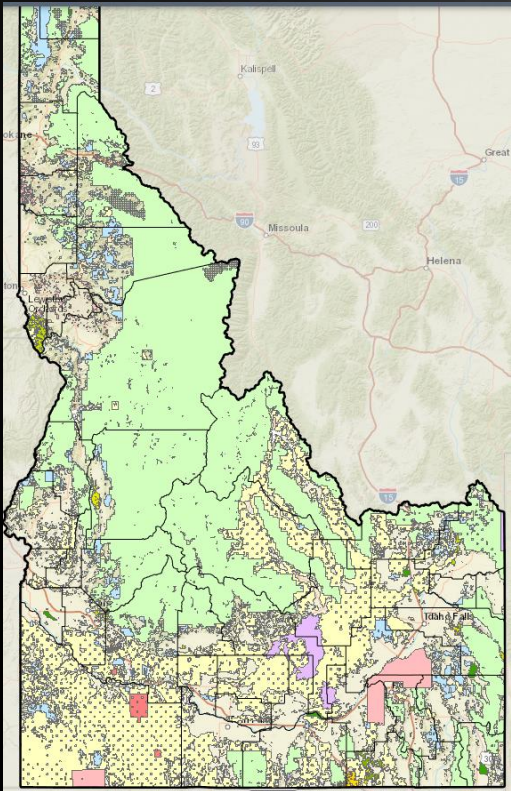
GOAL #2 UPDATE

GIS STRATEGIC PLAN

GOAL 2:
PROVIDE BEST AVAILABLE STATEWIDE TIM FRAMEWORK DATA LAYERS

Objective:

Increase the number of officially recognized TIM Framework data layers and create a recognizable TIM "brand"

WHAT DOES "TIM" STAND FOR?

The Idaho Map

According to the GIS Strategic Plan, The Idaho Map:
➢ Contains…16 framework layers, which encompasses the geospatial "Framework data layers" defined by the federal government and the additional layers defined by the Idaho GIS community
➢ Is an output of the Idaho Geospatial Council (IGC) working collaboratively toward realizing TIM

STRATEGY
AS DESCRIBED IN THE STRATEGIC PLAN

Create	Reinvigorate	Start	Host
Create an inventory of Framework data layers currently available from metadata	Reinvigorate the Idaho Data Framework Leadership Team [and fill empty chairperson seats…]	Start with the top 10 (as defined by current survey results) and work with the associated agencies/TWGs to get the data layers nominated – proposed to host TIM nomination workshops and TIM metadata workshops	Host the Framework data layers in the geospatial data clearinghouse and brand as TIM

NEXT STEPS

- RE-ENGAGE WITH TWG'S THAT HAVE NOT BEEN ACTIVE IN THE PAST YEAR OR TWO

- FOR TWG'S THAT DO NOT CURRENTLY HAVE A CHAIR AND/OR MEMBERS…

  - INVITE GIS SME'S TO BECOME A CHAIRPERSON AND TO WORK WITH GIO OFFICE TO GET THEIR TWG FUNCTIONING AND STAYING ACTIVE

- FOR ACTIVE TWG'S

  - ASSESS CURRENT PROGRESS TOWARD GETTING TIM LAYERS DEFINED AND APPROVED

  - WORK ON DEFINING WHAT IS MISSING (DEFICIENCIES) AND HOW TO ADDRESS THEM

  - DEFINE POTENTIAL TIMELINES FOR GETTING AUTHORITATIVE TIM LAYERS PUBLISHED

Goal 3 Subcommittee

GOAL 3: Improve geospatial data quality.

Objective: Improve the quality and currentness of publicly available GIS data through education and have data stewards publish their geospatial data as Open Geospatial Consortium (OGC) services (WMS, WFS, WCS, etc.).
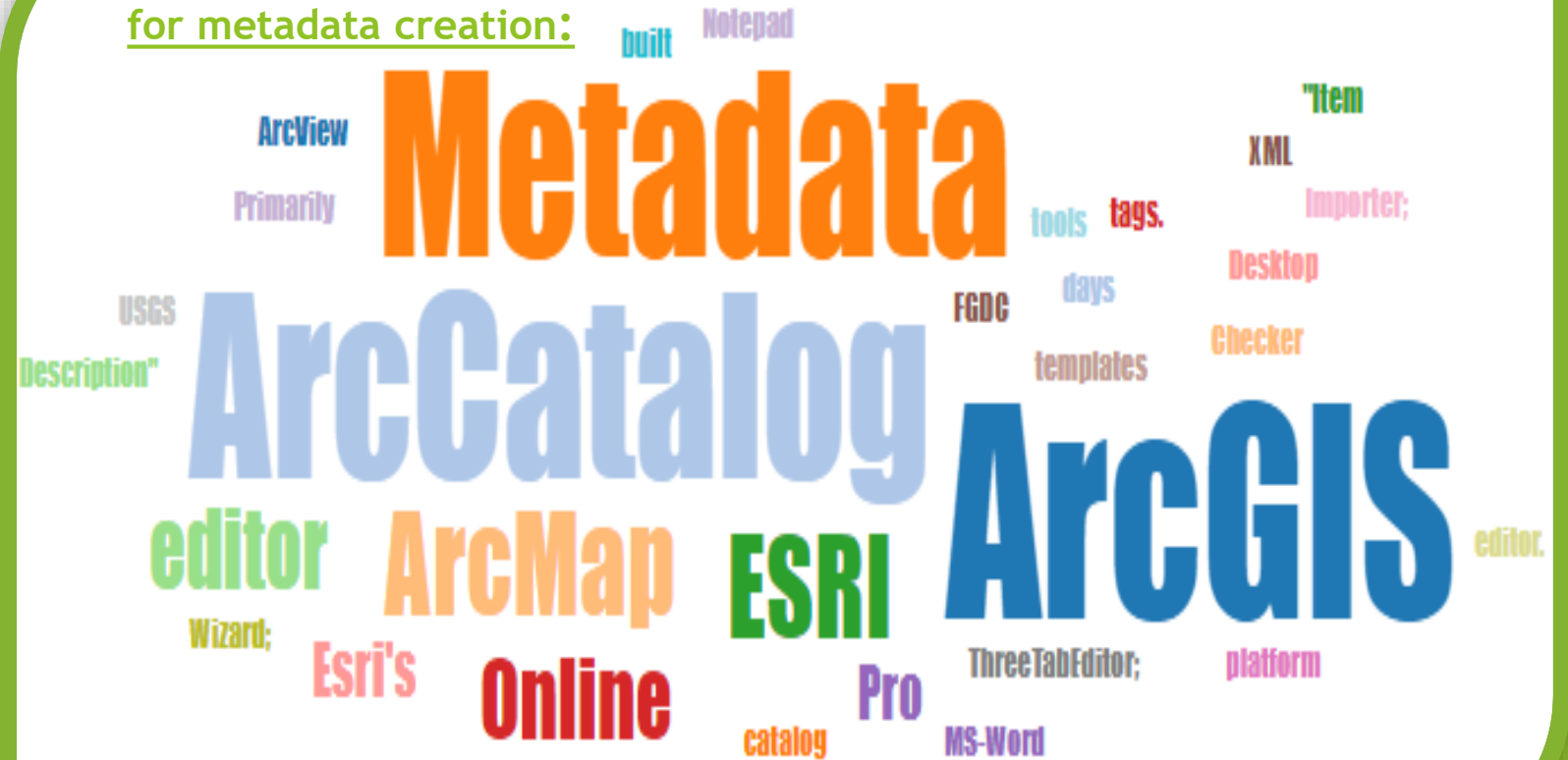
Strategy: Increase education on and encouragement to follow State GIS policies and standards; education on proper metadata; education on transition to web services.

- Education and encouragement to follow State GIS Policies and Standards
- Education on proper metadata
- Education on the transition to web services

Metadata Survey

▶ **30 Participants**

▶ **Mostly GIS professionals**

▶ **High percentage of participants with 5+ years experience**

Some of the tools used for metadata creation:

built Notepad

ArcView "Item

Primarily XML

Metadata tags. Importer;

tools Desktop

USGS FGDC days

Description" Checker

ArcCatalog templates

editor ArcMap ESRI ArcGIS editor.

Wizard;

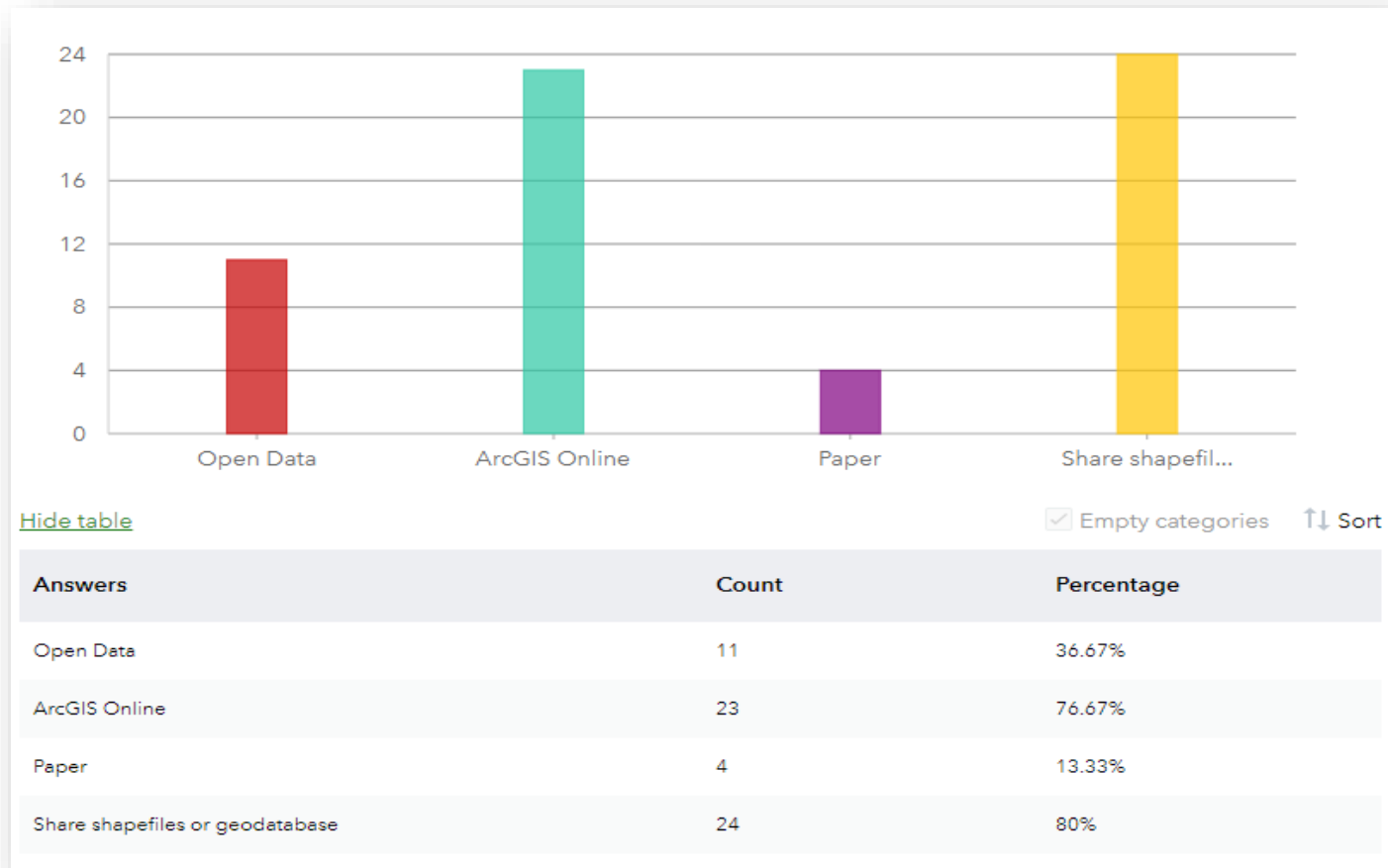Esri's Online Pro ThreeTabEditor; platform

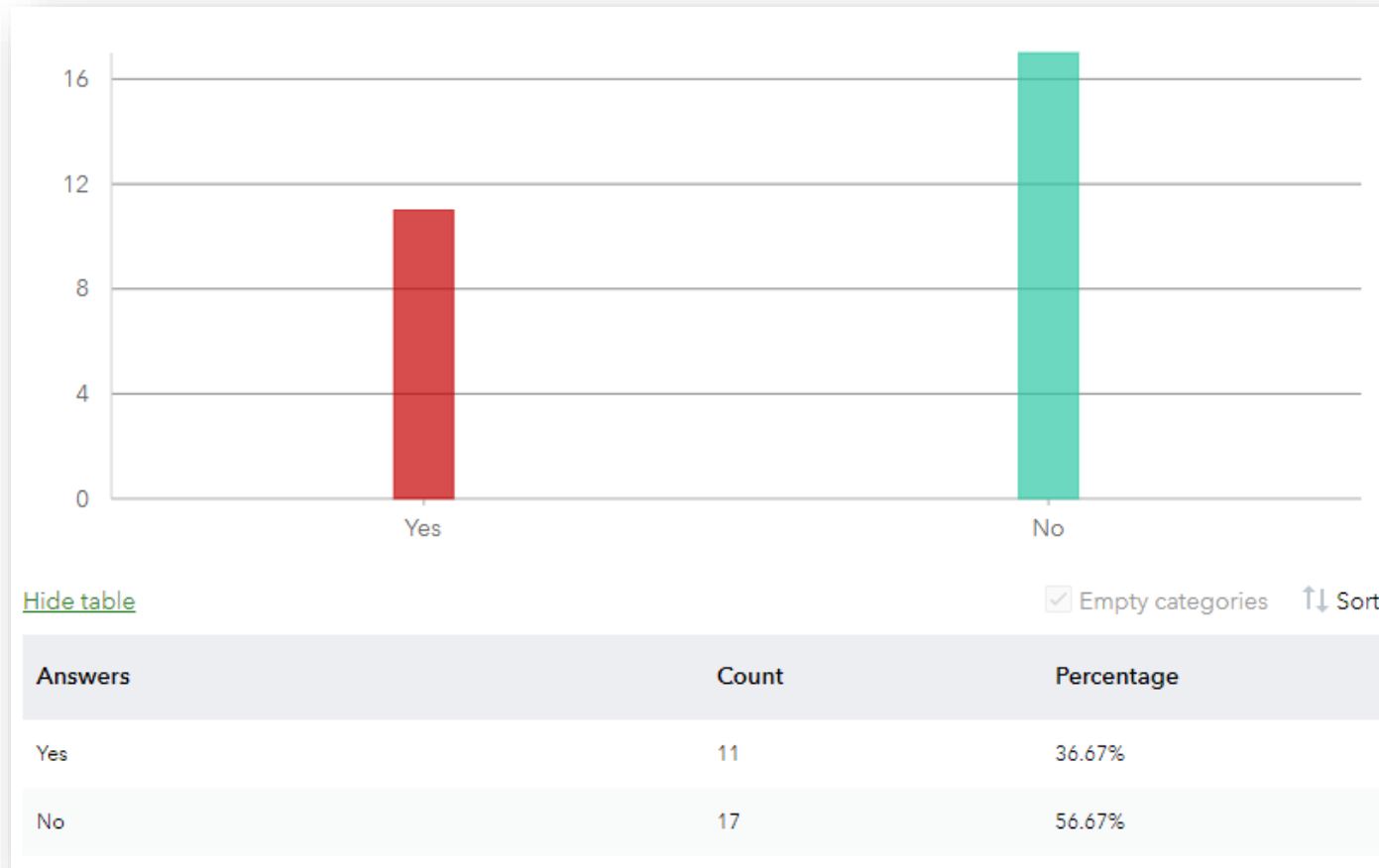catalog MS-Word

Have you ever written metadata?
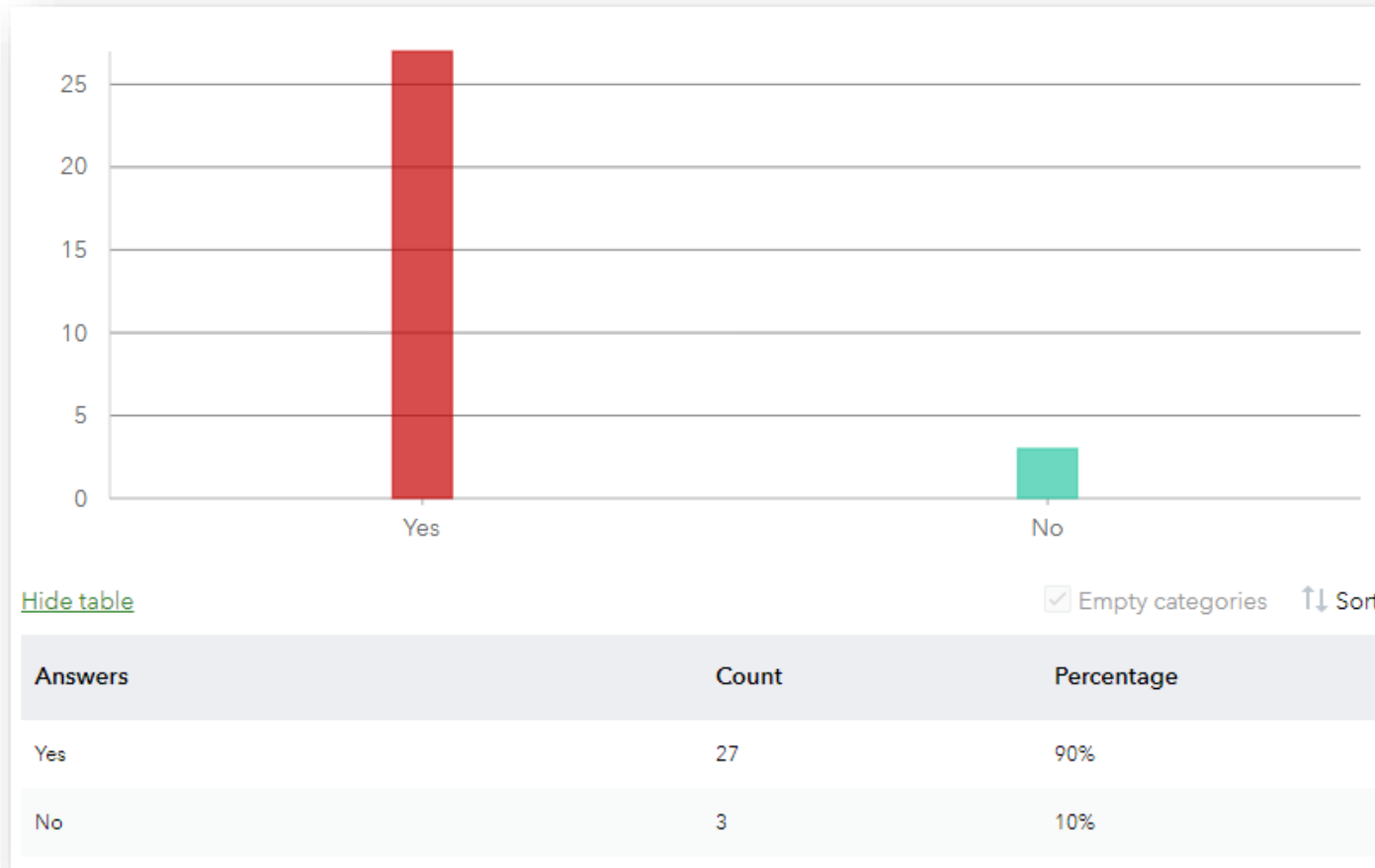
Did you know that the State has a metadata standard?

How are you sharing your data? (GOAL 4 Overlap)

Do all your public facing datasets have FGDC compliant metadata?

Answers	Count	Percentage
Yes	11	36.67%
No	17	56.67%

If no, why not?

Lack of folks to do it. ←

→ **FGDC to strict.**

They have Esri descriptions ←

→ **Lazy, not enough time to complete.**

Lack in knowledge on FGDC reqs. ←

→ **I don't know.**

Are you reluctant to complete metadata?

Answers	Count	Percentage
Yes	10	33.33%
No	20	66.67%
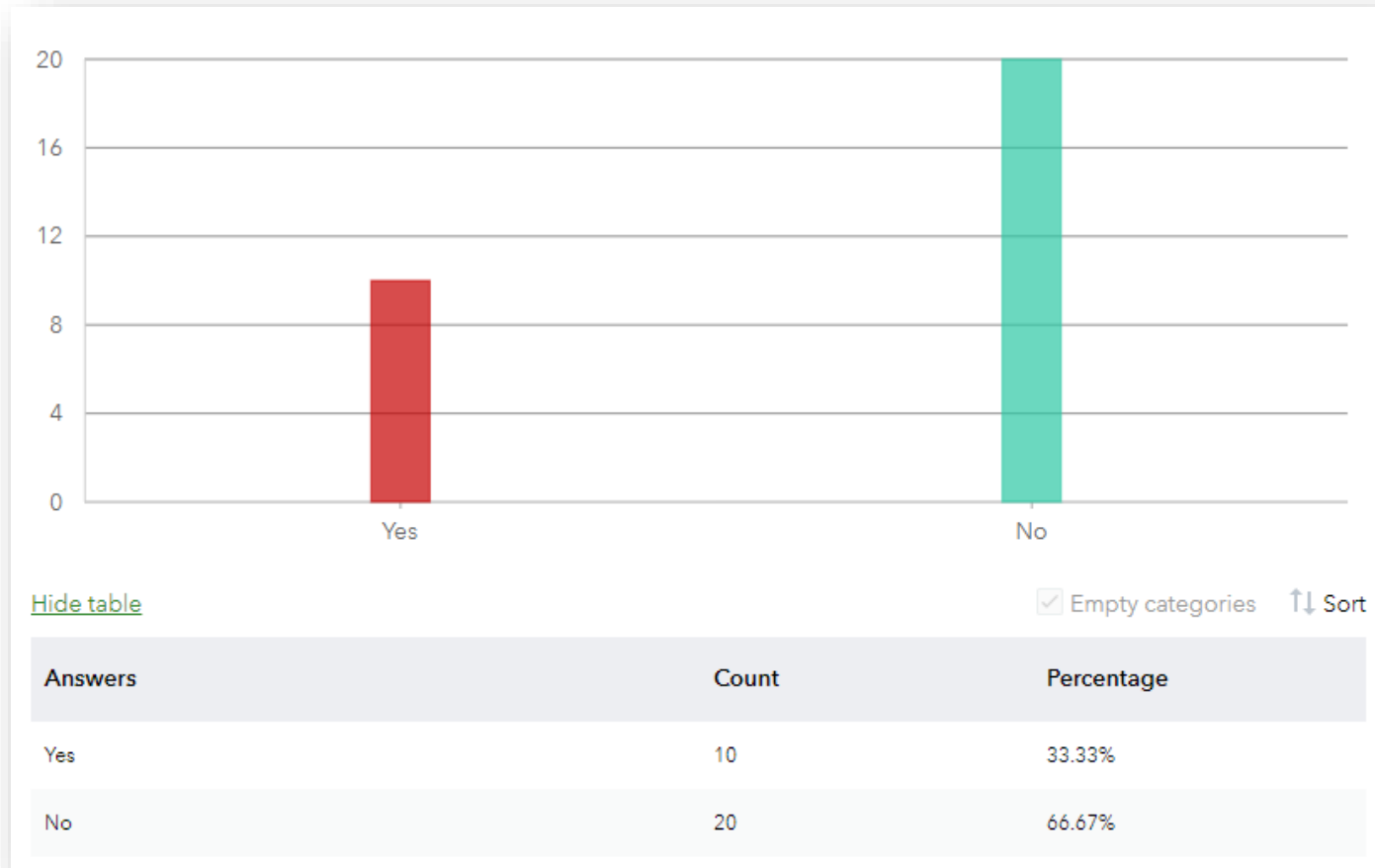
If no, why?

Lack of training:

➡ **16.67%**

Lack of time:

➡ **26.67%**

Don't see why I should:
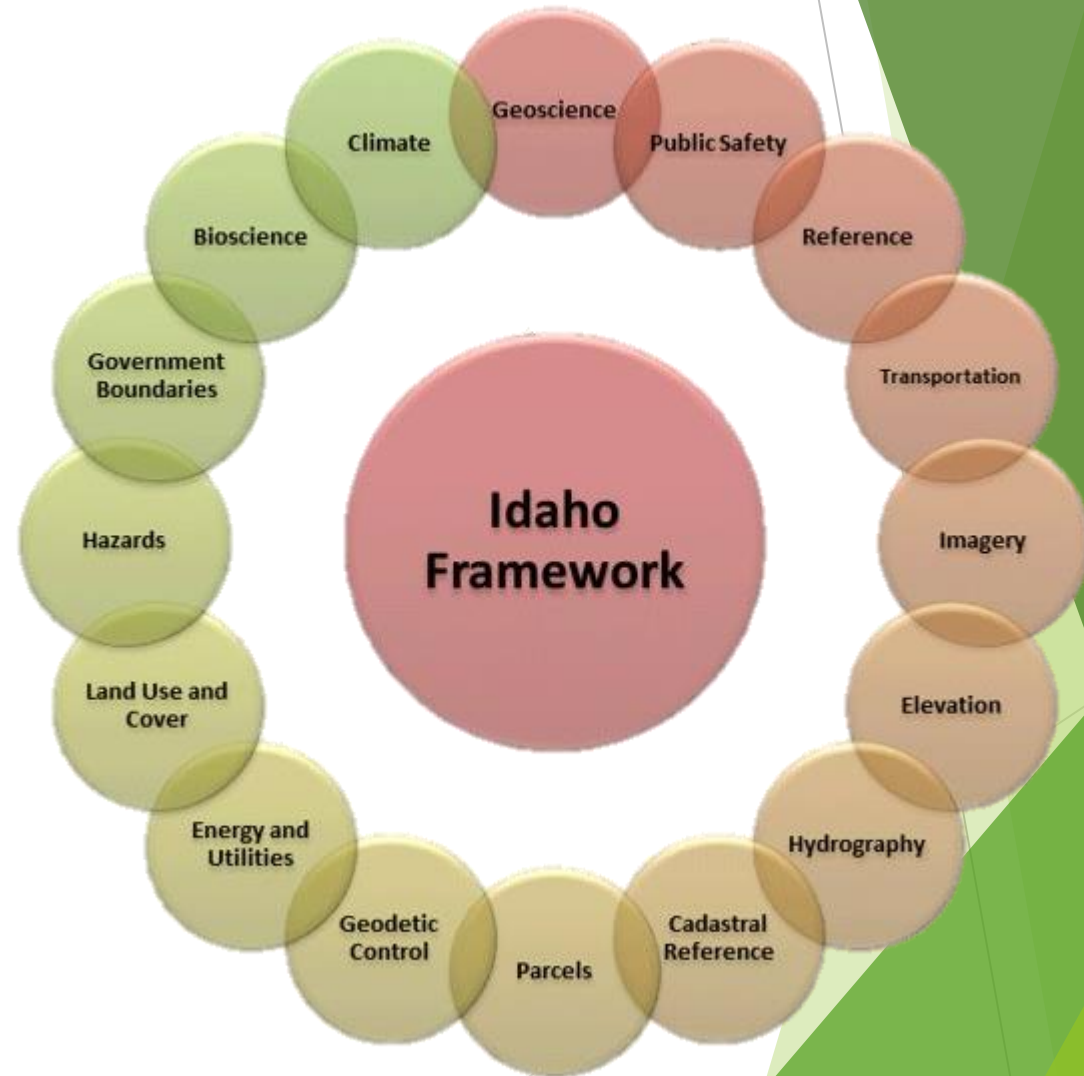
➡ **6.67%**

Lack of tools:

➡ **10.00%**

Other:

➡ **0.00%**

Goal 3 Moving forward

- Send out survey to college participants

- Utilizing ISU's Tech Talks to complete a web series on metadata

- Possible offerings and use of curriculum at multiple colleges

- Working with other subcommittees to achieve goals
  - Lots of overlap!!!!

TechTalk Metadata Series coming soon!

1. **What is Metadata and Why Does it Matter?**
   - ► October 22, 2020.   Wilma Robertson

2. **Editing Metadata in ArcMap and ArcPro**
   - ► November 12, 2020. Keith Weber and Sydney Lewis

3. **Sharing Metadata - the Bigger Picture**
   - ► December 3, 2020. Pam Bond

Goal 4 Subcommittee (GIS)

Overview of data sharing applications

Counties

Name	Agency Website for Data	Open Data Portal	Living Atlas	ArcGIS Online	Federal Portal	InsideIdaho	FTP	Other Means of Serving Data Online
Ada	https://adacounty.id.gov/assessor/land-records/ada-county-assessor-data/ (No data download)			X		X (ACHD)	http://www.adacountyassessor.org/download/	
Adams	N/A							x
Bannock	https://www.bannockcounty.us/gis/							
Bear Lake	N/A							x
Benewah	N/A							x
Bingham	N/A							
Blaine	FTP site						https://maps.co.blaine.id.us/datadownload.htm	
Boise	N/A							x
Bonner	https://cloudgis.bonnercountyid.gov/portal/home/index.html	Not a portal, but a link to their AGOL site						
Bonneville	N/A			X				
Boundary	http://boundarycountyid.org/site-page/gis							x
Butte	N/A							x
Camas	N/A							x
Canyon	FTP site							
Caribou	N/A							x
Cassia	N/A			X				x
Clark	N/A							x
Clearwater	N/A							
Custer	https://maps.greenwoodmap.com/custer/							x
Elmore	N/A							x
Franklin	N/A							
Fremont	N/A							
Gem	FTP site							x
Gooding	N/A							x
Idaho	N/A							x
Jefferson	N/A			X				x
Jerome	N/A							x
Kootenai	N/A						https://www.kcgov.us/178/GIS-Mapping	
Latah	N/A							
Lemhi	N/A							x
Lewis	N/A							x
Lincoln	N/A							
Madison	http://data-mrgis.opendata.arcgis.com/			X		X		
Minidoka	N/A							x
Nez Perce	https://www.co.nezperce.id.us/Departments/Information-Systems/Web-Map-TOU			X			ftp://ftp.co.nezperce.id.us/gis/	
Oneida	N/A							x
Owyhee	N/A							x
Payette	N/A							x
Power	N/A							x
Shoshone	N/A							x
Teton	https://www.tetoncountyidaho.gov/additionalInfo.php?deptID=14&pkTopics=258			X				
Twin Falls	N/A							x
Valley	N/A			X				
Washington	N/A							x

State Agencies

Name	Agency Website GIS Data	Open Data Portal	Living Atlas	ArcGIS Online	Federal Portal	InsideIdaho
Idaho Department of Agriculture	N/A	No data, only apps on https://data.gis.idaho.gov/		X		
Idaho Transportation Department		https://data-iplan.opendata.arcgis.com/		X		No
Idaho Emergency Management Office				X (1 map?)		
Idaho Department of Environmental Quality		https://opengisdata-idahodeq.opendata.arcgis.com/		X		Yes
Idaho Department of Fish and Game		https://data-idfggis.opendata.arcgis.com/		X		No
Idaho Geological Survey	https://www.idahogeology.org/products?key=GIS+data					
Idaho Geospatial Office		https://data.gis.idaho.gov/		X		None curated by ITS
Idaho Health and Welfare Department				X		
Idaho State University				X ("GIS4ISU")	Data.gov	
Idaho Department of Lands	https://www.idl.idaho.gov/about-us/maps-land-records/land-records-gis-data-downloads/			X		
Idaho Military Division						
Park and Creation Department		https://data.gis.idaho.gov/	YES	X		One dataset
Public Utilities Commission				X		
Idaho Legislative Services						
Idaho Soil and Water Conservation Commission						
Governor's Office of Species Conservation						
Idaho State Police				N/A		
Idaho State Tax Commission	https://tax.idaho.gov/i-1073.cfm and https://tax.idaho.gov/i-1071.cfm	ttp://gisdata-istc.opendata.arcgis.com/		X		YES
University of Idaho	https://geocatalog-uidaho.hub.arcgis.com/			X	Data.gov	
Visit Idaho (Idaho				X		
Idaho Department of Water Resources		https://data-idwr.opendata.arcgis.com/		X		Yes
Idaho Commerce	http://www.gemstateprospector.com					

Federal Agencies

Name	Agency Website GIS Data	Open Data Portal	Living Atlas	ArcGIS Online	Federal Portal	InsideIdaho
Department of Defense		https://data.defense.gov/Open-Data/	n/a	n/a	data.gov	n/a
Bureau of Land Management	https://navigator.blm.gov/home	https://landscape.blm.gov/geoportal/catalog/main/home.page	Esri Curated	Esri Curated	data.gov	?
National Park Service	https://irma.nps.gov/DataStore/ https://irma.nps.gov/Portal	https://public-nps.opendata.arcgis.com/	n/a	https://www.arcgis.com/home/group.html?id=00f2977287f74c79aad558708e3b6649#overview	data.gov	n/a
US Forest Service	https://data.fs.usda.gov/geodata/edw/datasets.php	https://enterprisecontentnew-usfs.hub.arcgis.com/	seeagol	https://usfs.maps.arcgis.com/home/index.html	data.gov	?
Bureau of Reclamation	n/a	n/a	Esri curated		data.gov	
US Fish and Wildlife	https://www.fws.gov/GIS/	n/a (internal users only)	Esri Curated	Esri Curated	data.gov	n/a
Bureau of Indian Affairs	https://www.bia.gov/gis	Geoplatform.gov Data.gov	Esri Curated	Esri Curated	geoplatform.gov Data.gov	
US Army Corps of Engineers		https://geospatial-usace.opendata.arcgis.com/			data.gov	
US Census		https://data.census.gov/cedsci/			data.gov	
USGS	https://www.usgs.gov/products/data-and-tools/gis-datasee alsohttps://earthexplorer.usgs.gov/				data.gov	
NOAA – Physical Sciences Lab		https://www.psl.noaa.gov/data/ Also see: https://psl.noaa.gov/data/gridded/help.html				
NOAA	https://gis.ncdc.noaa.gov/maps/ncei See also: https://www.ospo.noaa.gov/Products/imagery/gis.html And: https://www.climate.gov/maps-data	https://data.noaa.gov/datasetsearch/		https://noaa.maps.arcgis.com/home/index.html		
NOAA - Fisheries	https://www.fisheries.noaa.gov/resources/maps	https://noaa-fisheries-swfsc.data.socrata.com/				
USDOT - Federal Highway Admin	https://www.gis.fhwa.dot.gov/statepracs.asp	https://hepgis.fhwa.dot.gov/fhwagis/ See also: https://hepgis.fhwa.dot.gov/fhwagis/help/data_sources.html				
NOAA – National Weather Service	https://www.weather.gov/gis/					
USDOT - Bureau of Transportation Statistics	https://www.bts.gov/geography/geospatial-portal/NTAD-direct-download See also: https://maps.bts.dot.gov/MapGallery/ And: https://maps.bts.dot.gov/AppGallery/			https://data-usdot.opendata.arcgis.com/		
NASA	https://earthdata.nasa.gov/eosdis/science-system-description/eosdis-components/gibs	https://earthdata.nasa.gov/earth-observation-data See also: https://earthdata.nasa.gov/earth-observation-data/find-data				
CDC	https://www.cdc.gov/gis/	https://www.cdc.gov/data.html				
US Dept of Veteran Affairs		https://www.data.va.gov/				
FEMA	https://www.fema.gov/flood-maps/tools-resources/flood-map-products/national-flood-hazard-layer					
NRCS	https://datagateway.nrcs.usda.gov/					

Nominations, Standards, exchanges Oh My…

A DISCUSSION ABOUT WHAT IS REQUIRED, WHAT SHOULD BE REQUIRED AND HOW TO SPEED UP THE IDAHO MAP

What we have

Standards

- Framework **standard** for Emergency Service Zones
- Control Point **Standard**
- Idaho Land Cover dataset **standard**
- Soils Dataset **Standard**

Data Exchange

- Structures and Landmarks **Data Exchange**
- Parcel **Data Exchange**
- Hydrography **Data Exchange Standard**

Nominations

- Trails **Nomination**

What's in it?

	1. What is the Data schema	2. Data Quality Requirements	3. Who is the data steward?	4. How is data disseminated?
Framework **standard** for Emergency Service Zones	X	X		
Control Point **Standard**	X	X	X	
Idaho Land Cover dataset **standard**		X		
Soils Dataset **Standard**		X	X	X
Structures and Landmarks **Data Exchange**	X	X		
Parcel **Data Exchange**	X	X		
Hydrography **Data Exchange Standard**	X	X		
Trails **Nomination**			X	X

→ "Stewardship set forth in charter and related documents"

→ Refers to stewardship plan. Link broken

G350 for Guidance…

III. GUIDELINE

The Chair of a TWG or any member of IGC can nominate a publication dataset to be recognized as a TIM Framework Dataset by submitting the approved nomination form to the Chair of the IGC-EC.

The Chair of the IGC-EC will then send the nomination to the appropriate Framework Data Theme TWG for review and recommendation. If that TWG is not currently active, the Chair of the IGC-EC will arrange a TWG meeting for that purpose. A notice will be sent via the Geotech Listserve that a dataset is being considered for recognition as a TIM Dataset. The agenda for the next IGC-EC will include a discussion to approve/decline the nomination.

The Characteristics of a Recognized Framework Dataset include:
   a) Published by a Trusted Source.
   b) Preferably at 1:24000 scale or more refined.
   c) Preferably with statewide coverage or a methodology for developing a statewide coverage.
   d) Documentation of authoritative source(s) and each source's legal authority.
   e) Publication Data must be in an approved and defined data exchange format. For approved standards, see http://gis.idaho.gov/portal/coordination/standards.html
   f) Preferably with a tie or input into a nationally published dataset.
   g) Complete metadata including all process steps and references to agreements that result in the Publication Data.
   h) Detailed maintenance /update schedule for keeping the publication data as current as possible. Minimum preferred updates – annually.

What's in a standard?

A lot!

Idaho Framework

TWG Update

▶ *Trails Application Nomination*

TWG Update

▶ *Imagery*

The 2019 NAIP image services are now available!

REST endpoints for the services:

INSIDE Idaho:

https://insideidaho.org/arcgis/rest/services/imagery/idaho_2019/ImageServer

ISU's GIS TReC:

https://giscenter.rdc.isu.edu/arcgis/rest/services/IdahoNAIP2019/ImageServer

A huge "THANK YOU" to Bruce Godfrey and Keith Weber
for their excellent contributions to Idaho's GIS community!

It was worth the wait folks! Enjoy the beauty of Idaho!
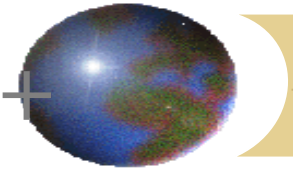
Hydrography TWG Update

- **Proposed Changes to the Idaho Falls SubBasin (17040201)**
- **Elevation-Derived Hydrography Acquisition Specifications and Read Rules**

- **NHD Plus HR**
- **NHD/WBD Model 2.3**
- **Next TWG**
  - March 11, 2021

EDH Specs: https://pubs.er.usgs.gov/publication/tm11B11

EDH Read Rules: https://pubs.er.usgs.gov/publication/tm11B12

Minutes and Slidedecks from all Hydro TWGs:

http://www.idwr.idaho.gov/GIS/NHD/hydro-TWG.html

Elevation TWG Update

Presentation & Discussion: Current State of Lidar for Flood Risk Management in Idaho

- **October 15th,** 12:00-1:00pm MST

- Registration: https://bit.ly/3bZ5A0g

New and Upcoming Lidar Datasets

Proposal: Make official TIM elevation dataset?

Meeting: October-November

Contact: joshenterkine@boisestate.edu

Living Atlas Layers

Jeff Cook, Dept. of Parks & Recreation

Jan Cunningham, Esri

ArcGIS Living Atlas Directions

Go to https://livingatlas.arcgis.com/en/browse

Log in with your user name

Go to the Contribute Tab and Click

Scroll down a little to the Help Build Living Atlas, and then click on the Contribute link

It will then open your content on ArcGIS Online that are eligible for Living Atlas. Fix any issues to improve your score (should be at least 80 or above) and then click to nominate your item.

You will hear back in a few weeks on whether or not your items was accepted.

Other Business

- ✓ Fall IGC Meeting
- ✓ NWGIS Conference – Questions for Panel Discussion
- ✓ Starting process to include LiDAR Service/ MCPD Control Points in TIM
- ✓ Saying Goodbye to Carolina…

Adjourn

▶ **Next Meeting:**

✓ **IGC-EC Meeting** - Thursday, November 19, 2020