



AGGC



ALASKA GEOSPATIAL COUNCIL

Alaska Geoportal and Metadata Survey

Tuesday, July 15, 2014

Agenda

Facilitator: Jim Stephens, Dewberry Consultants

- Welcome and Opening Remarks
Nick Mastrodicasa /
Chris Hamilton
- Introductions
- The Results of the Survey
Jim Stephens
- Critical Outcomes for a Geo-Portal
Facilitated
Discussion
- Critical Needs for a Geo-Portal
Facilitated
Discussion
- Next Steps
Jim Stephens
- Closing Remarks
Chris Hamilton

394 Responses out of 1705 Requests

Total Responses

Date Created: Thursday, May 29, 2014

Complete Responses: 375

High Level Takeaways

- >80% of respondents are GIS experienced
- ~65% are relatively metadata savvy
- >65% work in some form of government
- Connectivity is a huge issue
- Data usage is file driven
- Web services are dominated by ArcGIS web services
- 75% are downloading data frequently
- Most see a conventional government funding of a geoportal
- Most see themselves as geoportal users not publishers
- Data is hard to find
- Only a fraction are involved in emergency response matters

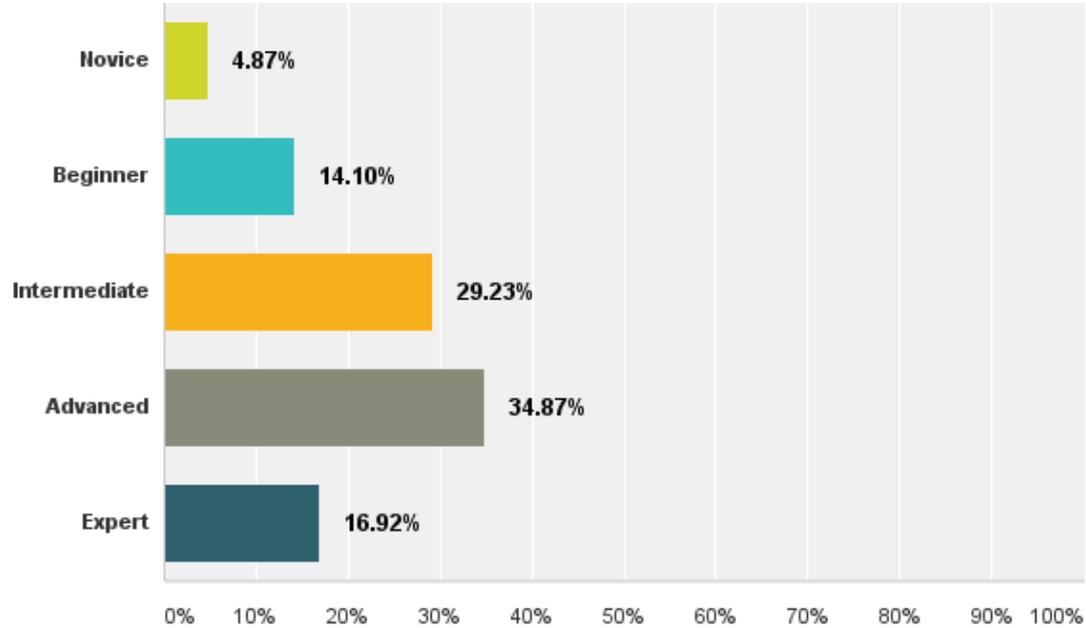
A significant majority want a one-stop authoritative geospatial repository

Some Thoughts

- Traditional file centric responses
- Remote connectivity issues are going to challenge usefulness of web services
- A geoportal will require an understanding of authoritative roles and maintenance
- A sustainable design will require ongoing engagement by the community

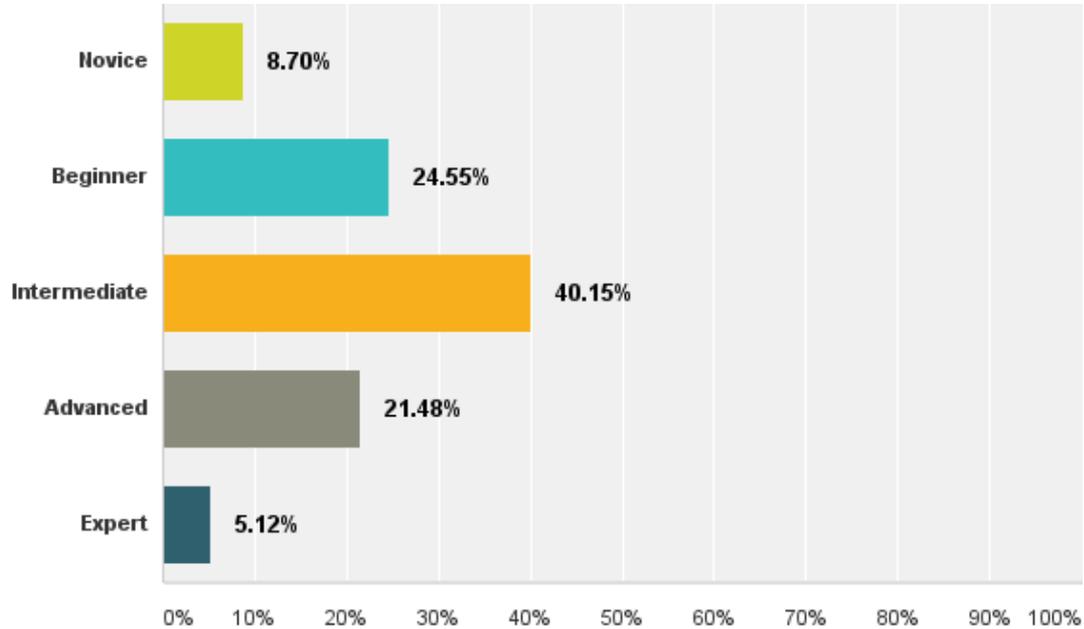
Q1: What is your level of GIS knowledge?

Answered: 390 Skipped: 4



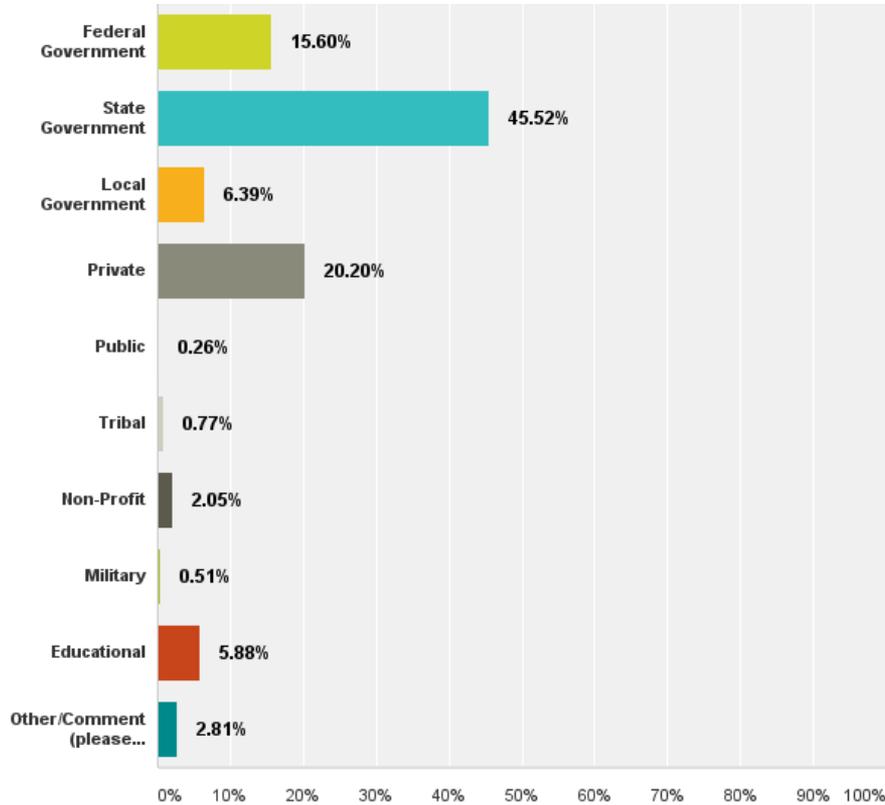
Q2: What is your level of metadata knowledge?

Answered: 391 Skipped: 3



Q3: What type of organization do you work for?

Answered: 391 Skipped: 3

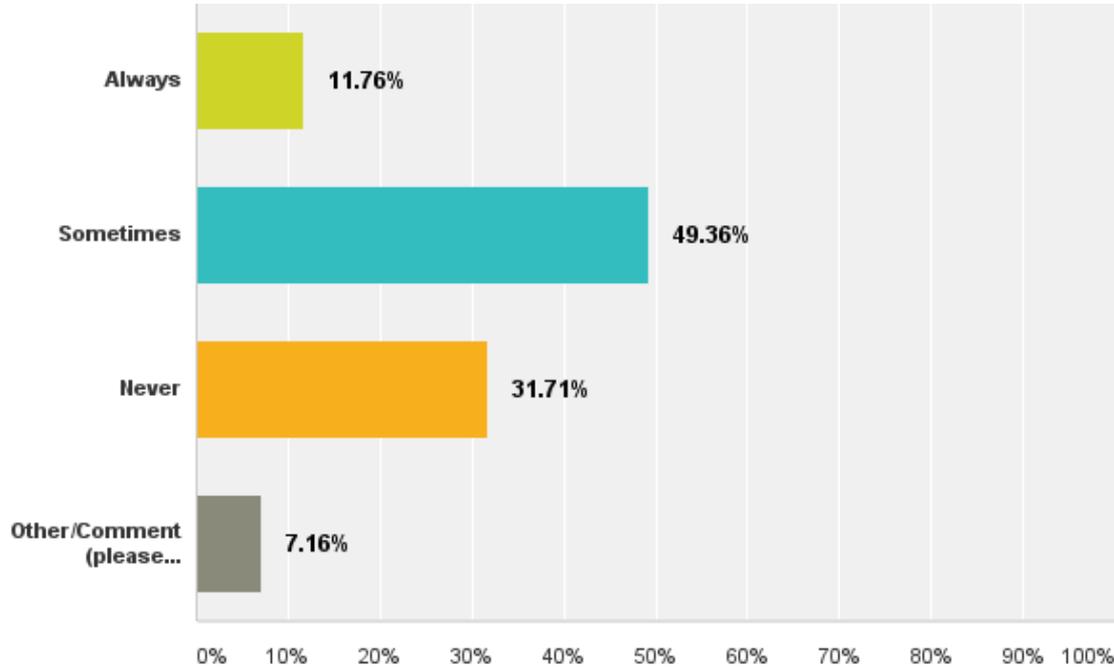


Other/Comment (please specify)

- State and Military
- Federal Gov and Volunteer Search and Rescue
- Federal Tribal Gov
- UAA
- Utility

Q4: How often do you access geospatial data from a rural or remote area?

Answered: 391 Skipped: 3

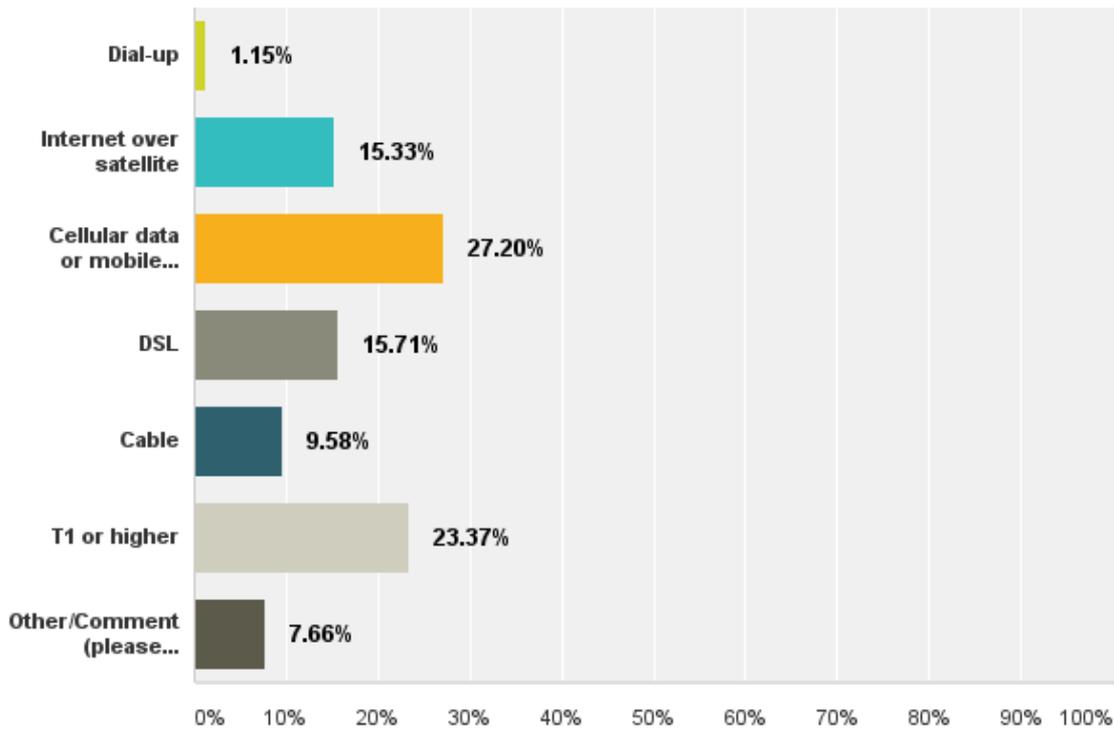


Other/Comment (please specify)

- Rarely
- Very project specific
- Would access if more readily available
- Cache maps before I leave for remote areas
- Maybe once a year

Q5: If sometimes or always access geospatial data from a rural or remote area, which internet connection type do you use the most?

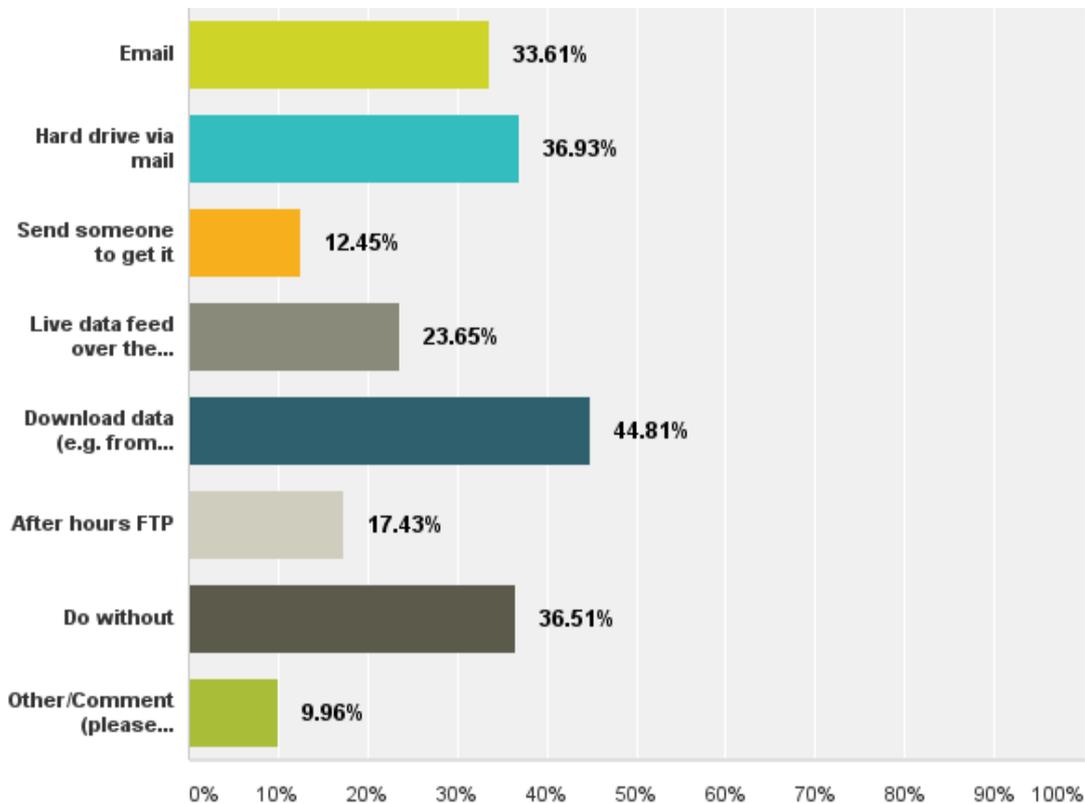
Answered: 261 Skipped: 133



Other/Comment (please specify)

- Don't Know
- It varies
- Whatever is available at site

Q6: If you don't have an internet connection, how do you get the data you need? (check all that apply)



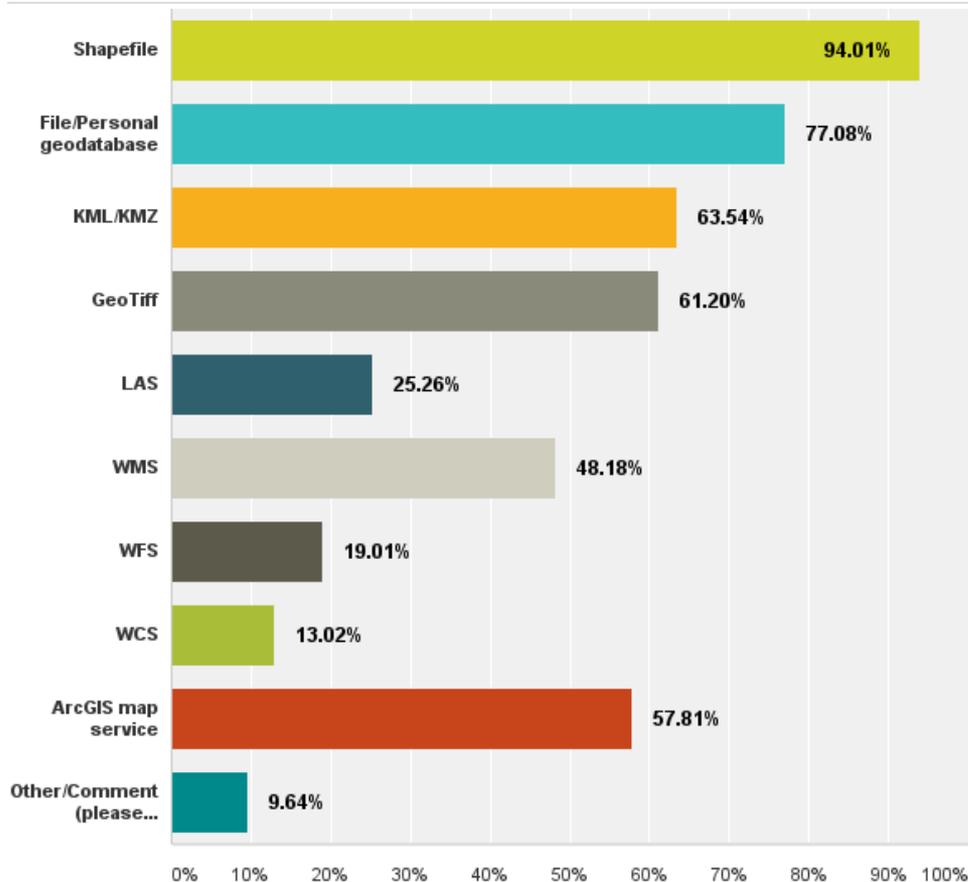
Answered: 241 Skipped: 153

Other/Comment (please specify)

- Download before leaving
- DVD/CD/Thumbdrive via mail
- Pre-cache data
- Upload to smartphone app

Q7: What data formats do you currently access and/or use? (check all that apply)

Answered: 384 Skipped: 10

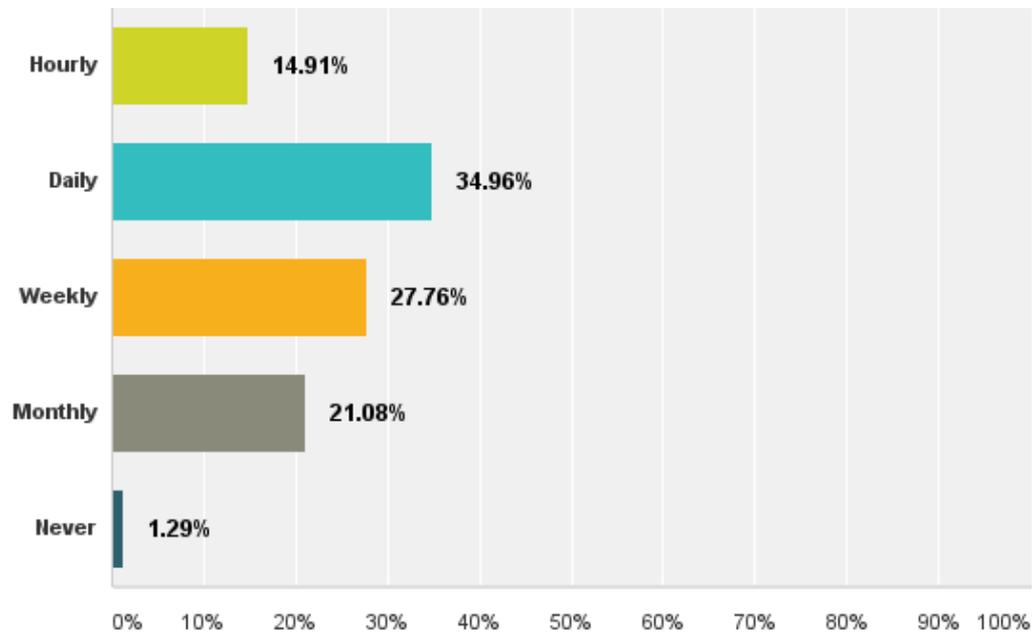


Other/Comment (please specify)

- AutoCad
- BAG
- CAD
- MrSID
- CEOS
- CSV/TXT
- DWF, DWG, DWF
- geoJSON
- GPX
- SDE Geodatabase

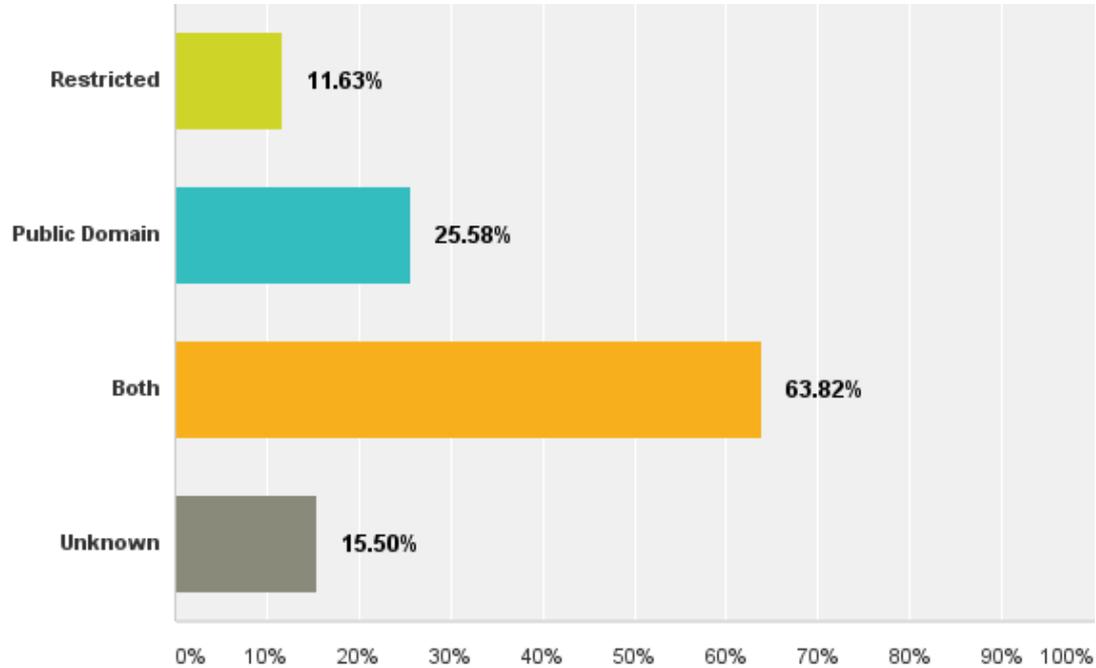
Q8: How often do you view data, download data, or perform other activities?

Answered: 389 Skipped: 5



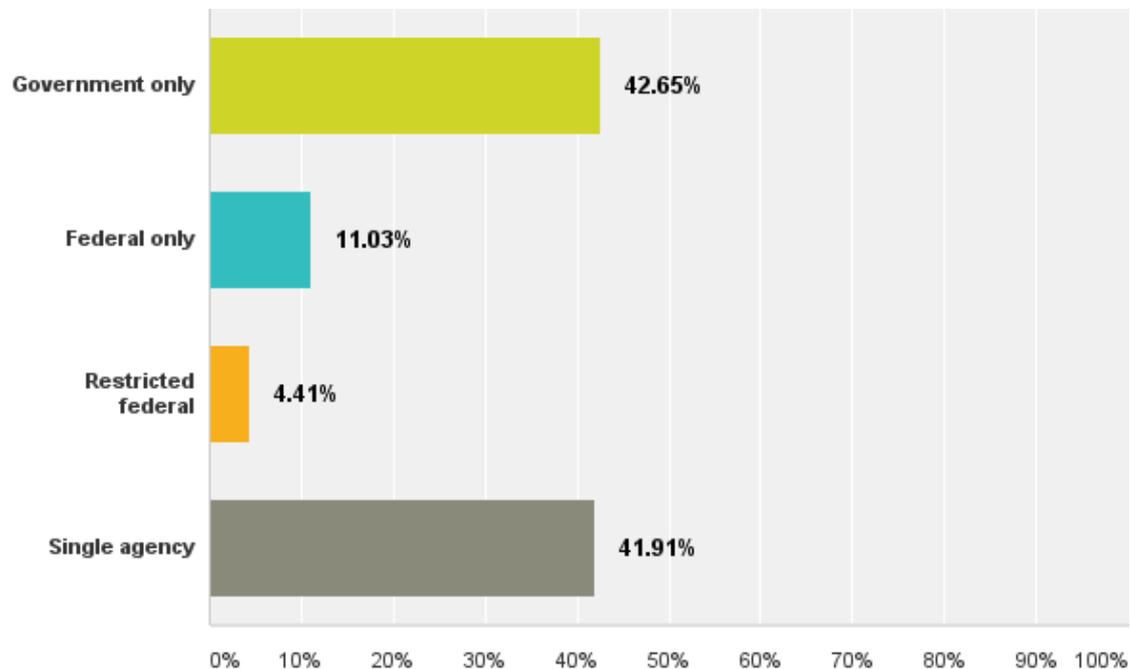
Q9: What type of licensed data do you use? (check all that apply)

Answered: 387 Skipped: 7



Q10: If a shared license, how is it most commonly shared?

Answered: 272 Skipped: 122

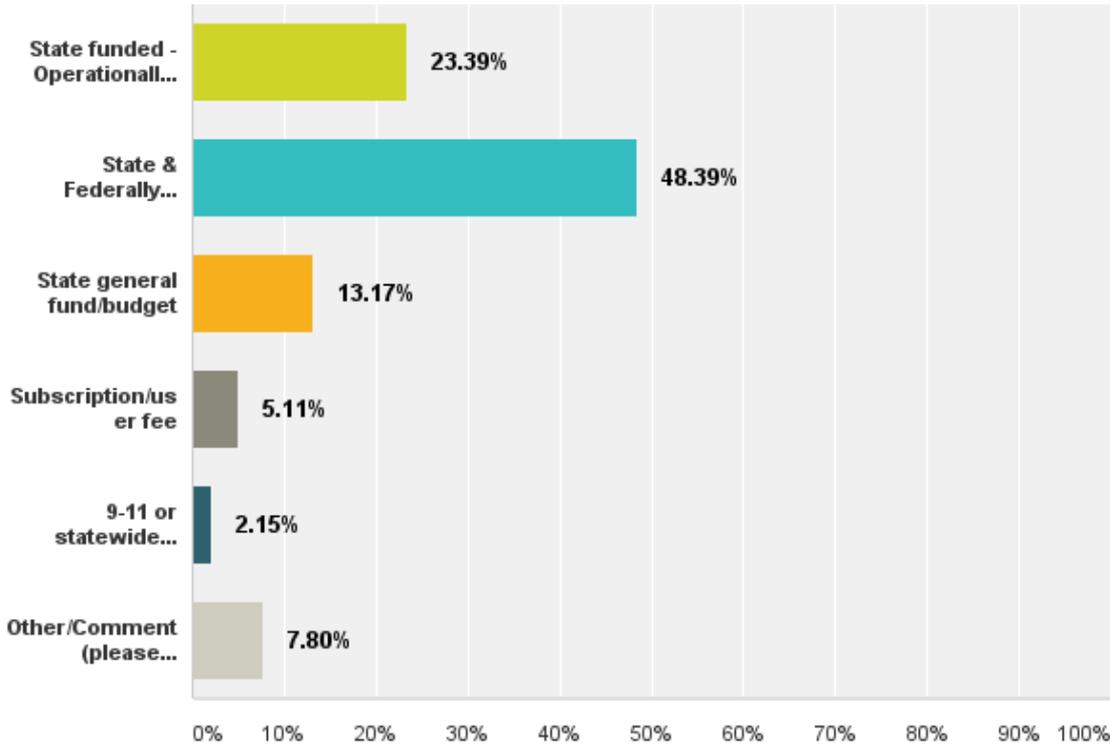


Comments

- All of the above
- University
- Pool of licenses for ArcGIS
- Private sector data – shared between the client and me
- Single department or office unit within agency
- Flexible based on end users and available budget

Q11: How could the State of Alaska fund a sustainable statewide geoportal?

Answered: 372 Skipped: 22

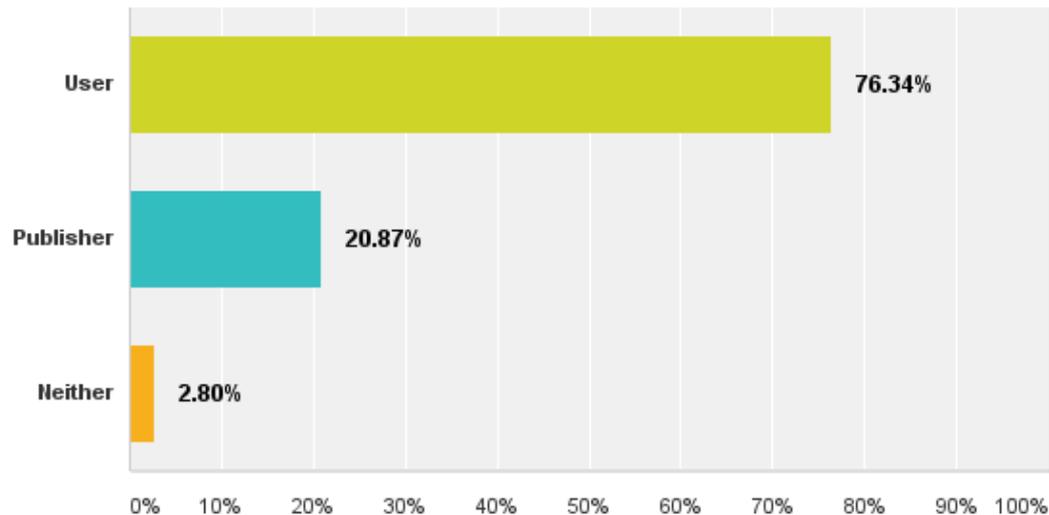


Other/Comment (please specify)

- A combination of the options
- Depends on the political ideal
- Don't know enough about funding

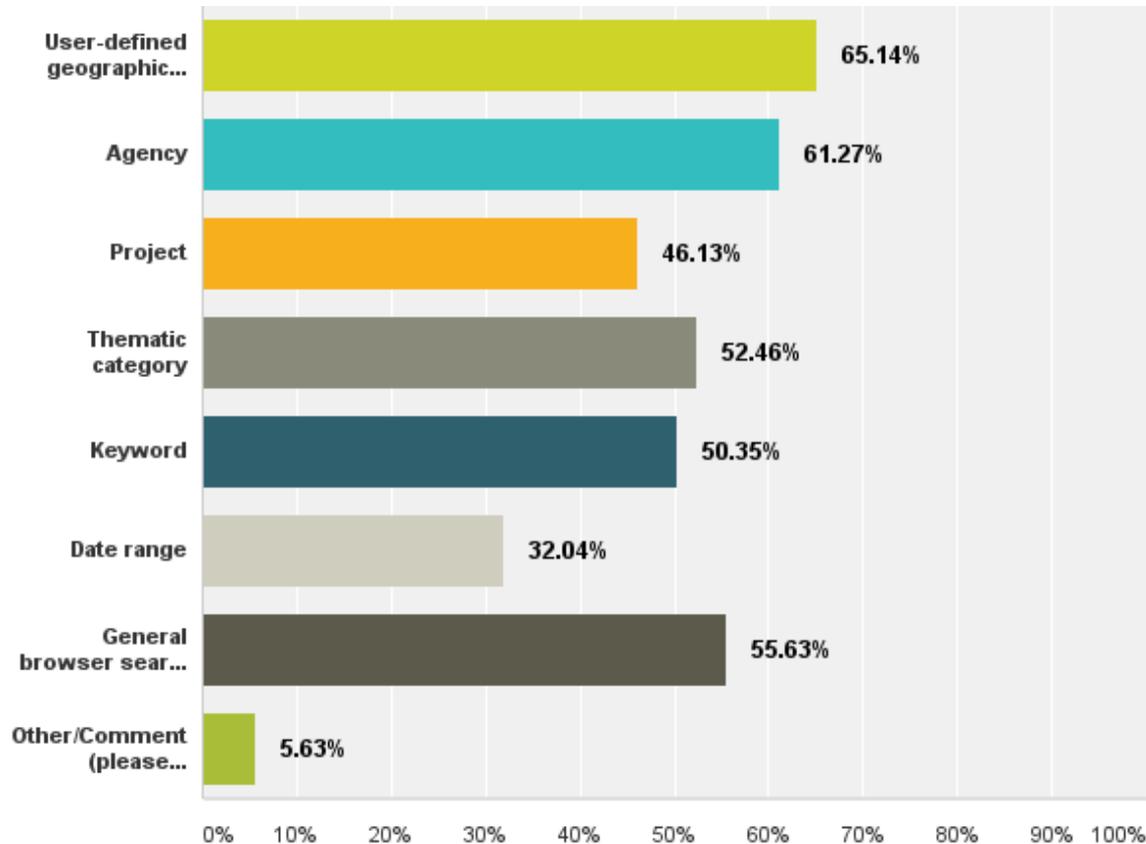
Q12: Is your interest in the statewide geoportal as a potential user or potential publisher of data?

Answered: 393 Skipped: 1



Q13: How do you search or browse datasets of interest? (check all that apply)

Answered: 284 Skipped: 110

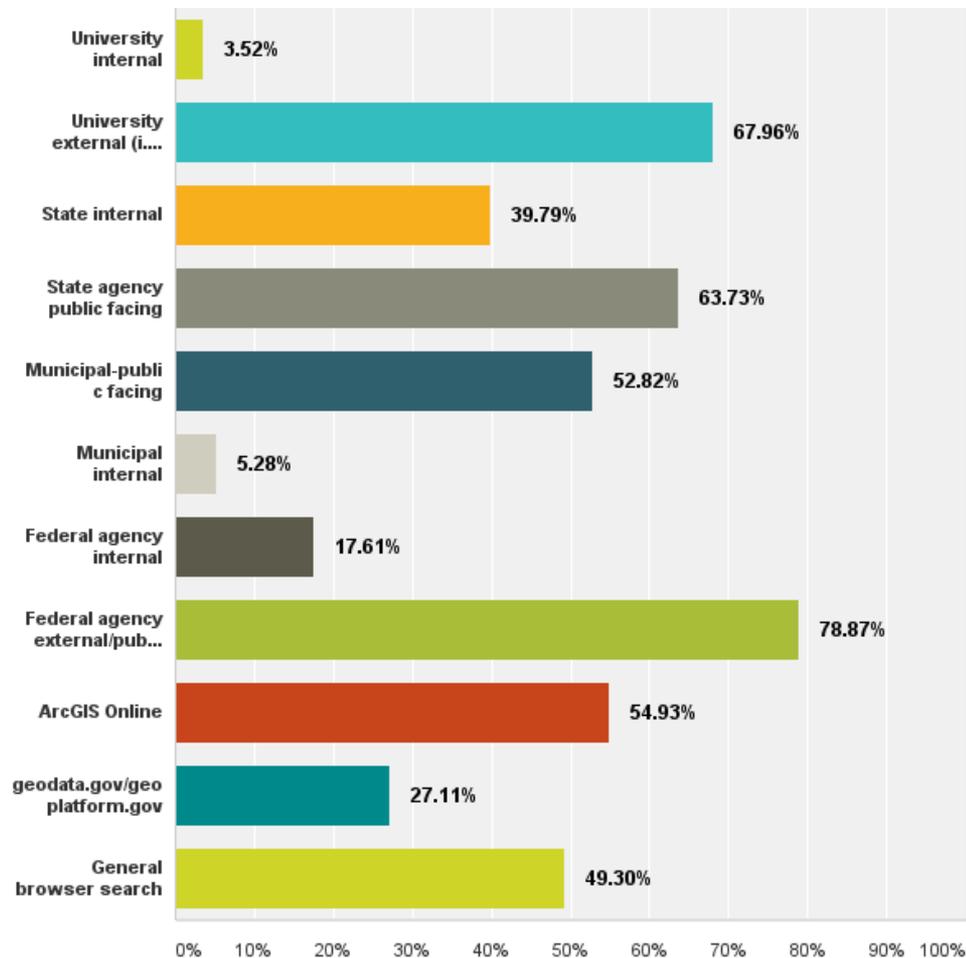


Other/Comment (please specify)

- ArcGIS Online
- DNR Land Records
- GINA
- Use our own data

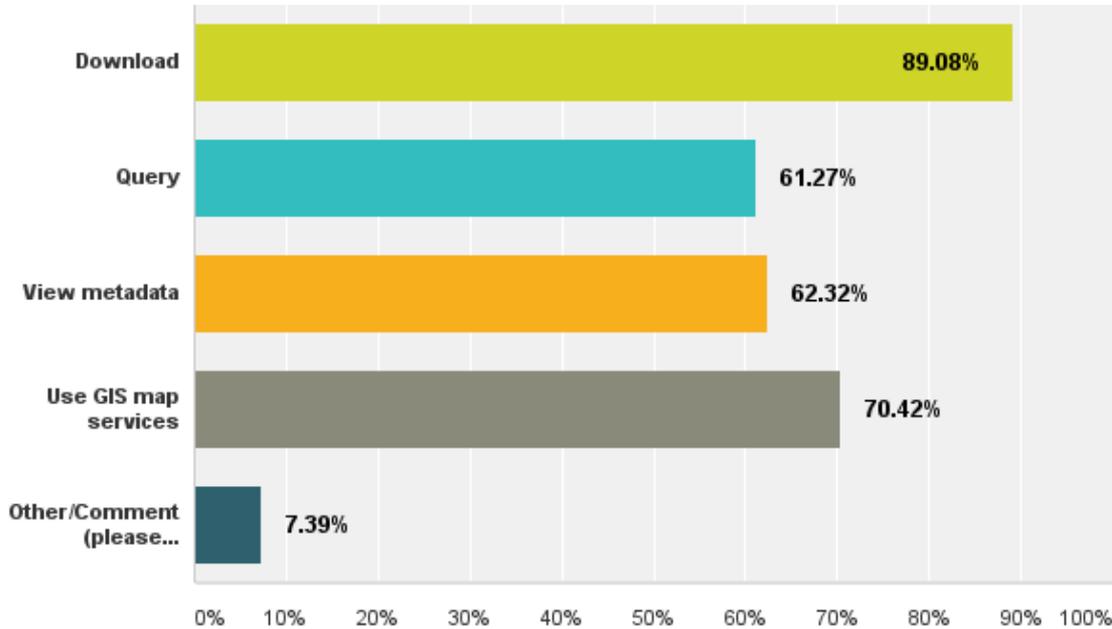
Q14: Which websites do you currently use to search for data? (check all that apply)

Answered: 284 Skipped: 110



Q15: What do you need to do with the data? (check all that apply)

Answered: 284 Skipped: 110

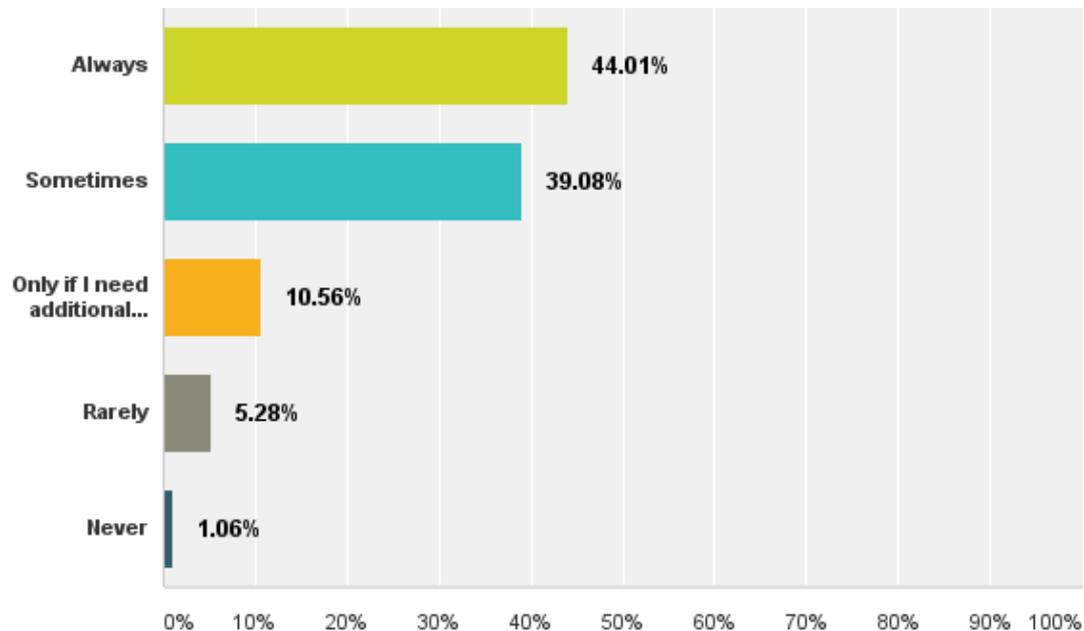


Other/Comment (please specify)

- Analyze
- Change projections
- Create maps
- Edit
- Hydrologic analysis
- Produce maps
- Overlays

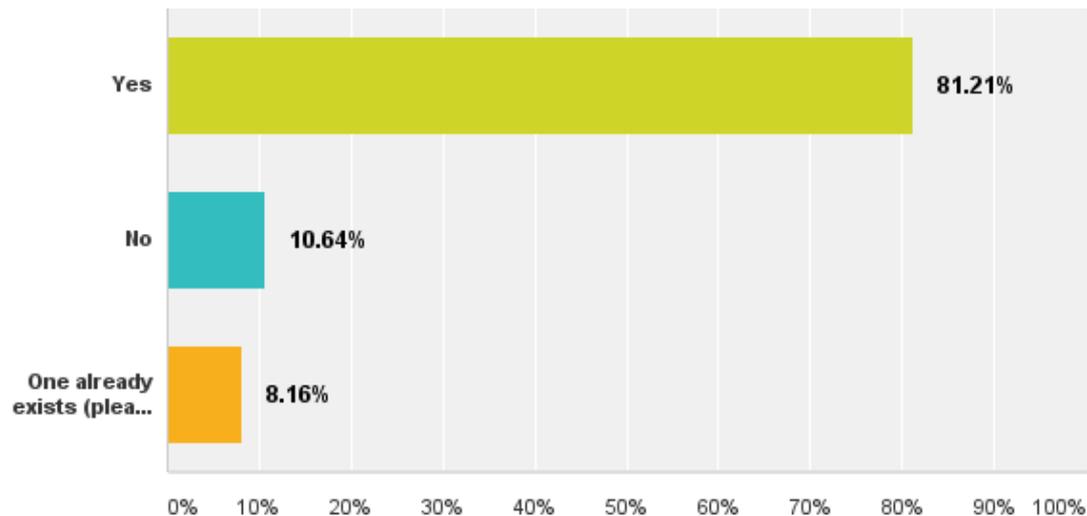
Q16: When you download data from other sources, how often do you browse the descriptive information about the data?

Answered: 284 Skipped: 110



Q17: Do you feel like there is a need for a single one-stop authoritative repository of geospatial data in Alaska?

Answered: 282 Skipped: 112

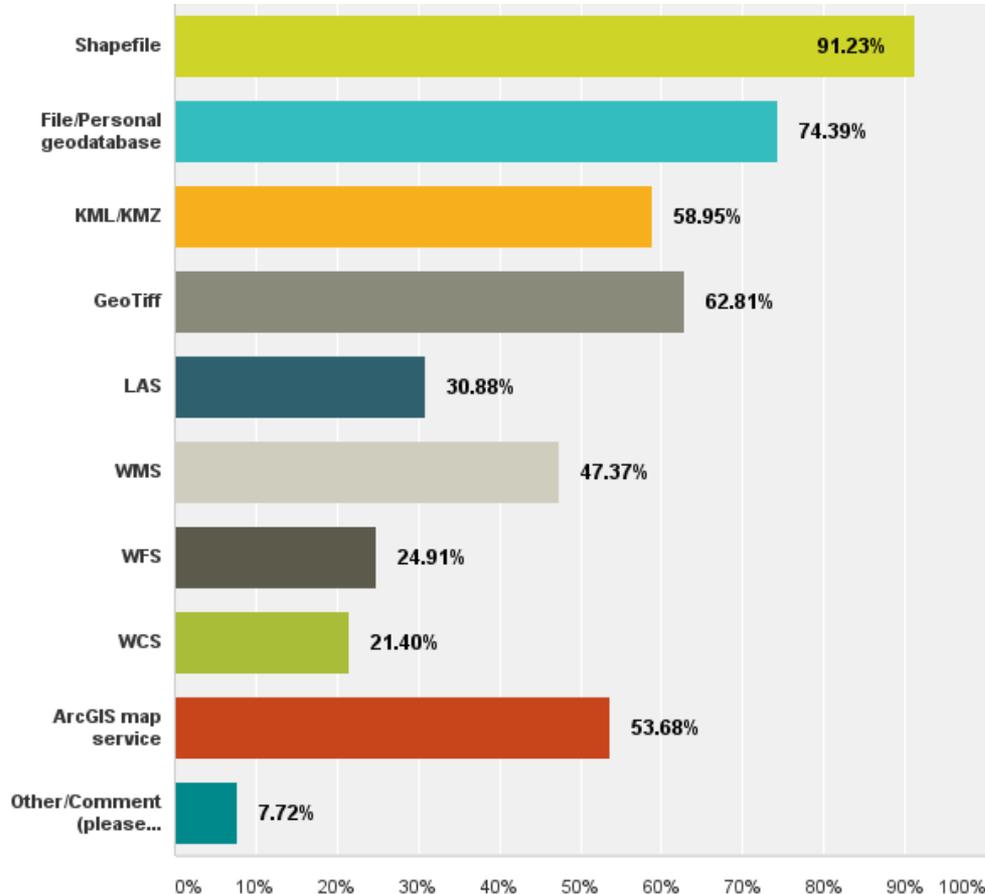


One already exists (please specify)

- AGDC Clearinghouse
- GINA
- AOOS

Q18: What forms of data are you interested in accessing through the statewide geoportal? (check all that apply)

Answered: 285 Skipped: 109

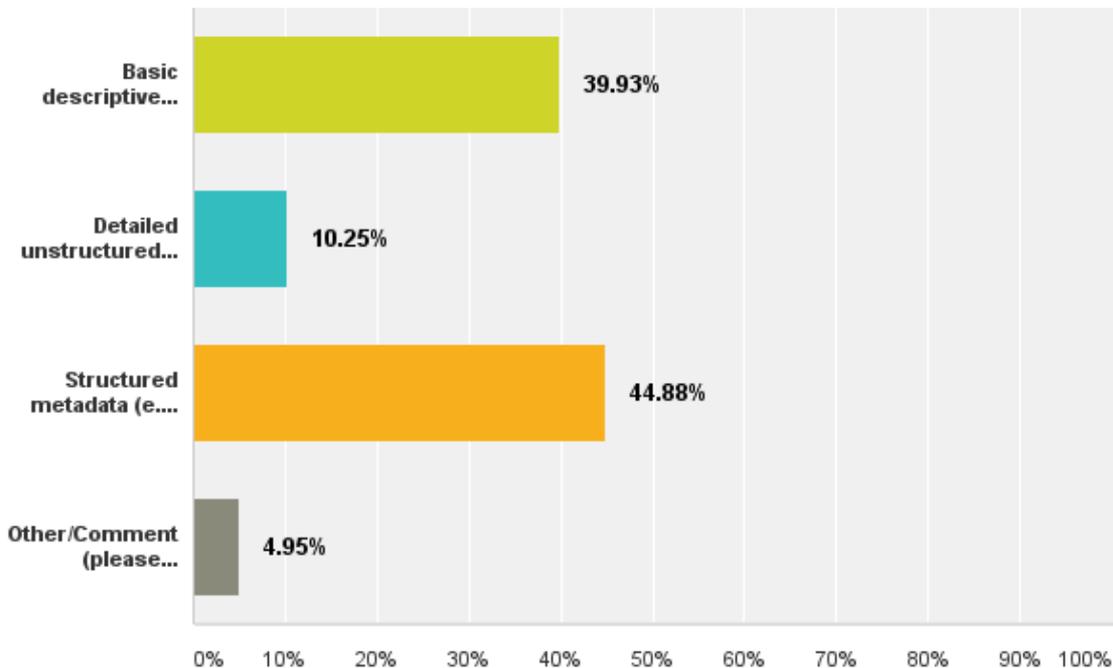


Other/Comment (please specify)

- DWF, DWG, DXF
- geoJSON
- Geological and geophysical data
- Imagery
- Elevation
- JB2
- Open source formats
- Other raster formats

Q19: What information do you need for data you would like to access through a statewide portal?

Answered: 283 Skipped: 111

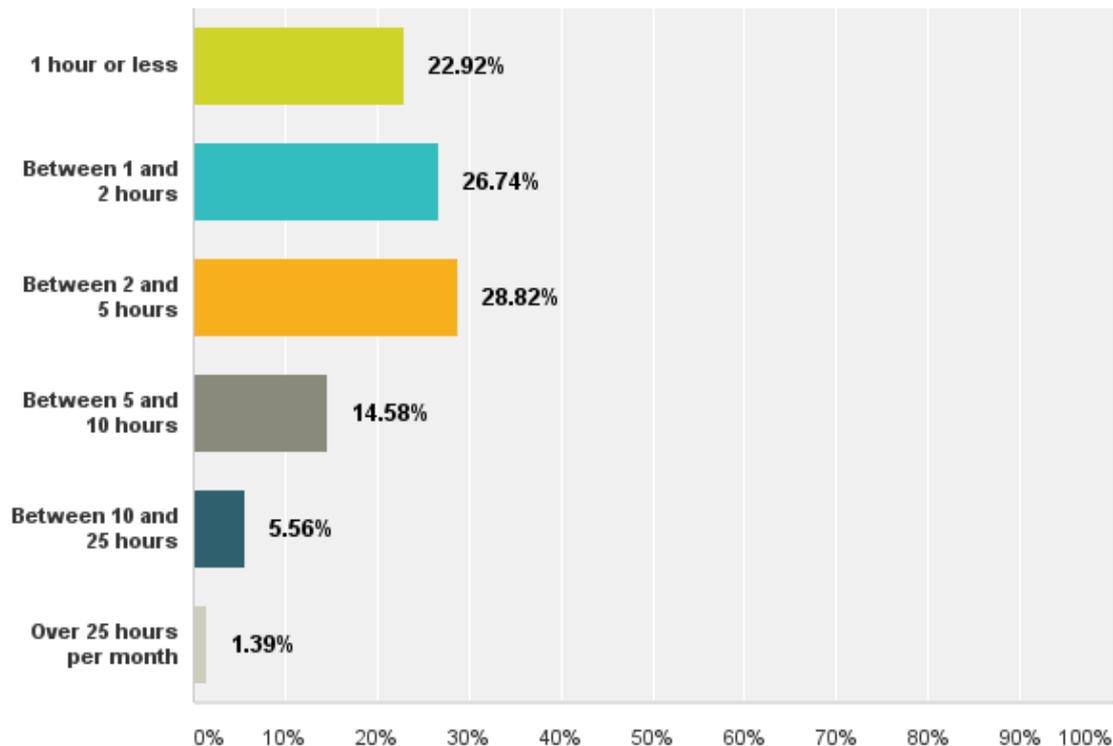


Other/Comment (please specify)

- Structured metadata plus description
- Consistent format
- All of the above depending on the data type and purpose

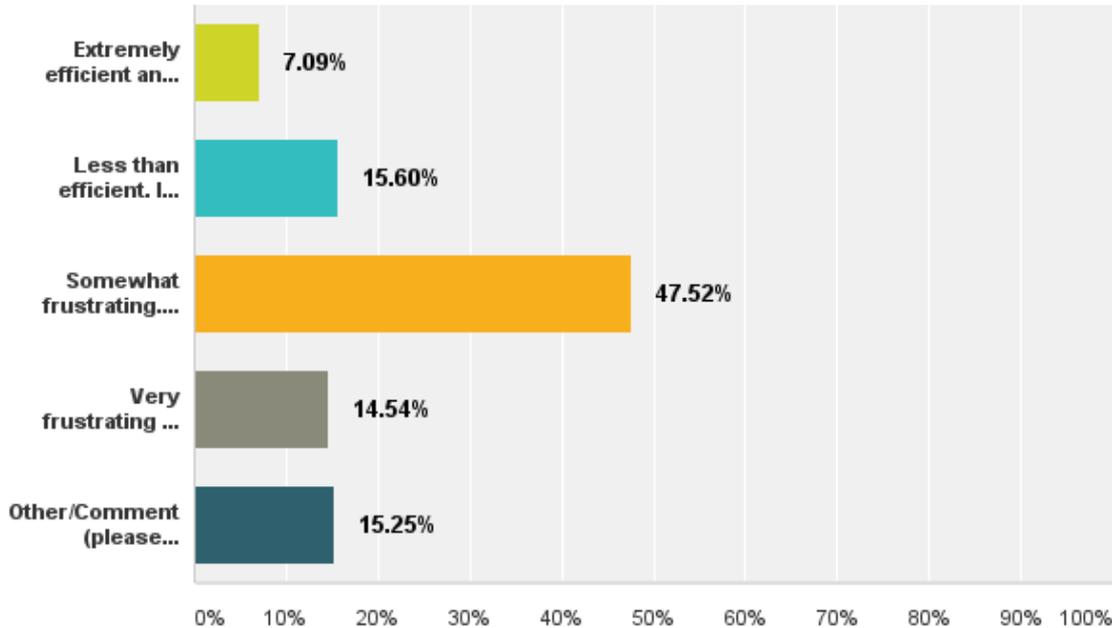
Q20: On average, how much time per month do you spend searching for geospatial data that may or may not exist?

Answered: 288 Skipped: 106



Q21: As a user, please describe your experience searching for data in Alaska.

Answered: 282 Skipped: 112



Other/Comment (please specify)

- Adequate, but limited
- Don't know where to look or what to look for
- Variable
- I have very specific needs so I network to find what I need
- Data that I need is scattered
- Not well organized
- Restrictions keep me from data I need
- Data is often out of date

Q22: Licensing restrictions related to geospatial data (i.e. imagery, LiDAR & etc.) adds another layer of complexity in terms distributing the data because the request has to be authenticated to ensure the requesting party is eligible to receive the data based upon licensing parameters. Given this, how should the Alaska Geospatial Council (AGC) prioritize the acquisition of statewide datasets with respect to licensing? (Note: License uplift means distribution restrictions are relaxed, generally for a fee. And, a sunset clause relates to an automatic relaxing of distribution restrictions at a predetermined date in the future such as two years).



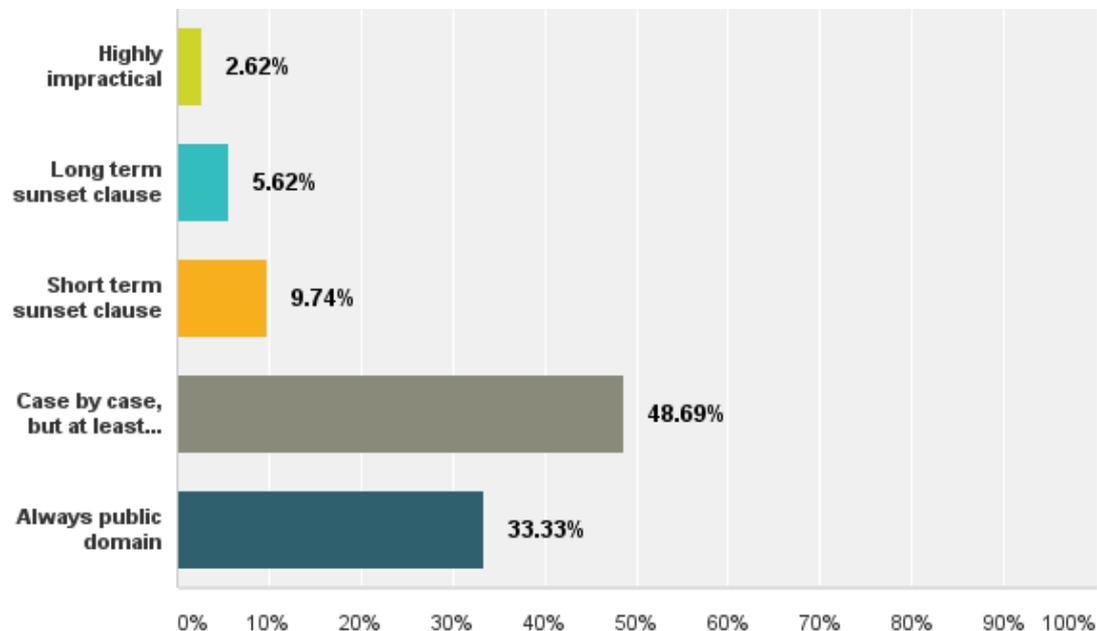
- Statewide datasets should always be acquired with a public domain license to benefit the broader user community
- Statewide datasets should at least have at short term sunset clause (1 – 2 years) uplifting the data to public domain in the short term
- Statewide datasets could have a sunset clause (3 years and over) uplifting the data to public domain in the long term
- Statewide datasets should only be licensed to “all government” entities
- Other/Comment (please specify)

Other/Comment (please specify)

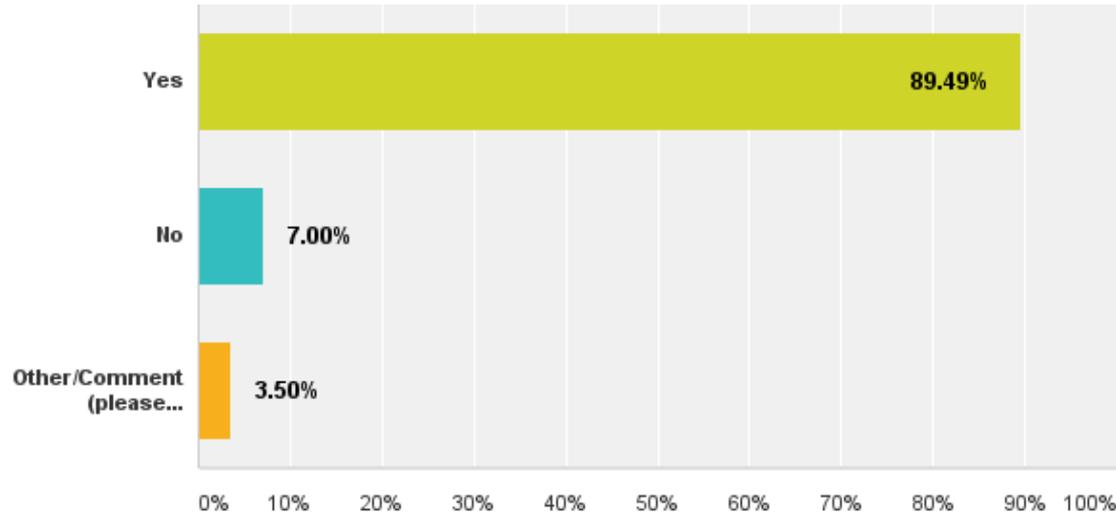
- Costs are a factor
- Determined by the agency
- If the data is collected using public funds, then the data should be open for public consumption
- Public domain access is good, but uplifting should be weighted against the costs
- This is complex

Q23: What importance should the state place on project specific datasets with respect to public domain licensing?

Answered: 267 Skipped: 127



Q24: Should the AGC have a process for stakeholders to request license restricted data holdings be considered for license uplift to benefit the broader stakeholder community as a function of the geoportal?

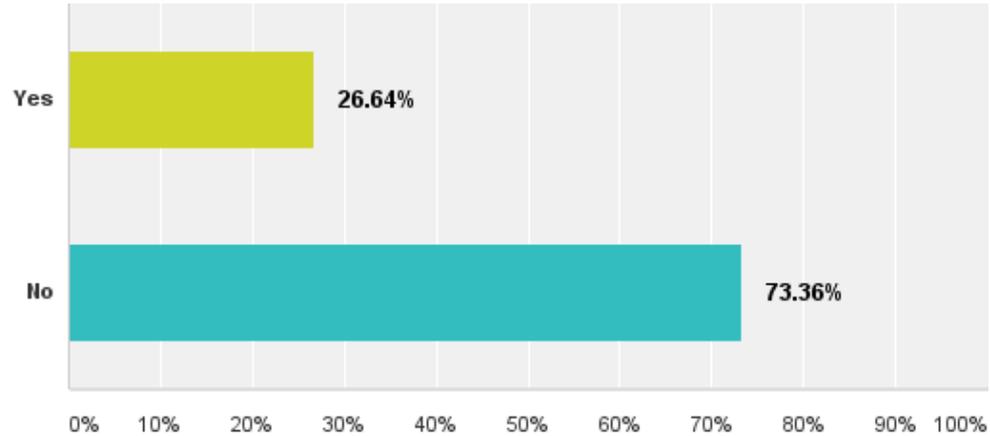


Other/Comment (please specify)

- Always public domain
- If reasonable
- If it was paid for with public money, it belongs to the public

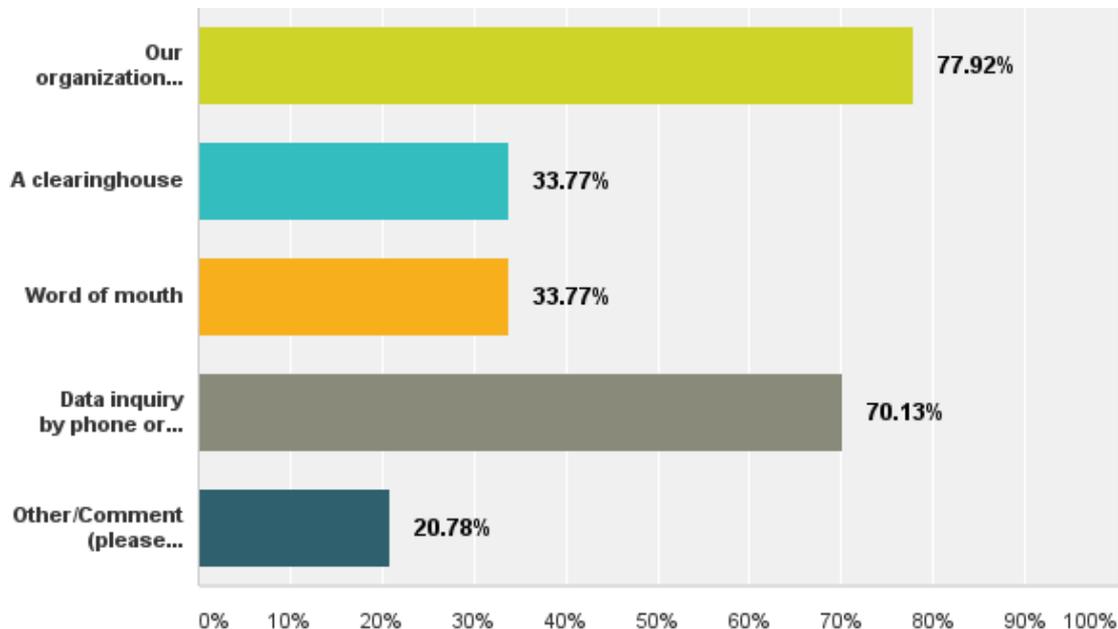
Q25: Do you use or publish emergency response data?

Answered: 289 Skipped: 105



Q26: How are your datasets, or information about them, distributed now? (check all that apply)

Answered: 77 Skipped: 317

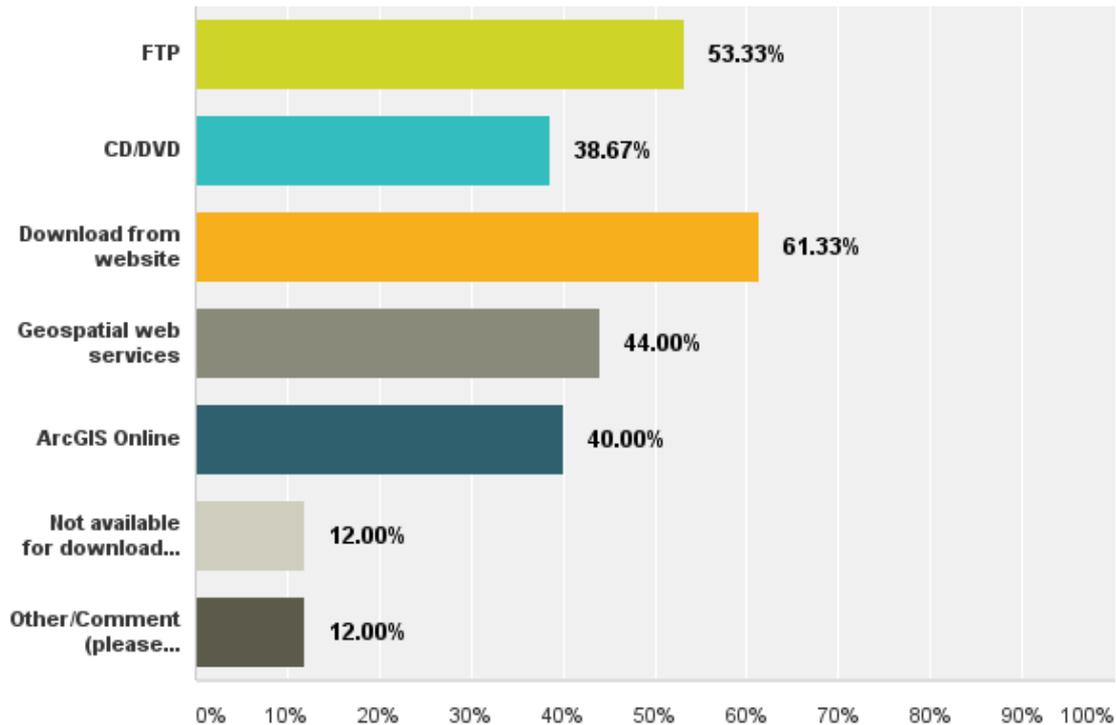


Other/Comment (please specify)

- Advertising on partner website
- ArcGIS Online
- Federal websites
- News releases, summaries, reports, presentations
- Locally hosted in agency

Q27: How are your datasets delivered to your clients? (check all that apply)

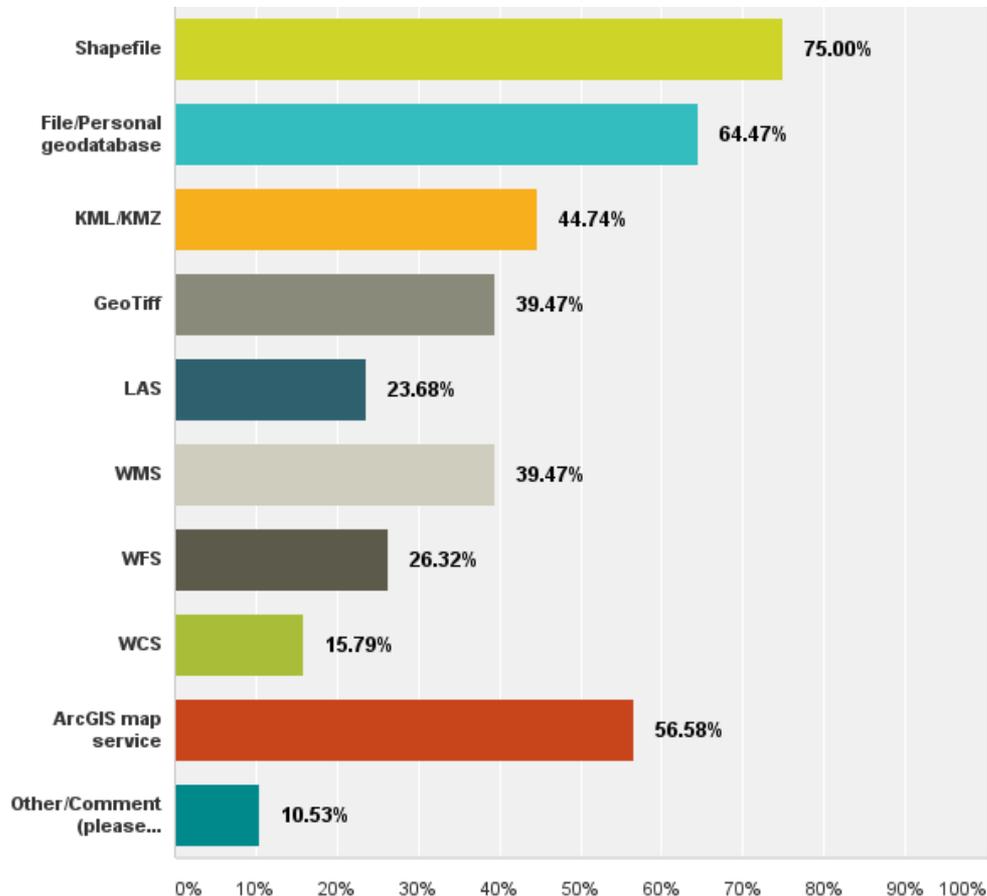
Answered: 75 Skipped: 319



Other/Comment (please specify)

- Email compressed files
- Mail external hard drive
- User created Oracle BI reports

Q28: What forms of data are you interested in advertising or publishing through the statewide geoportal? (check all that apply)



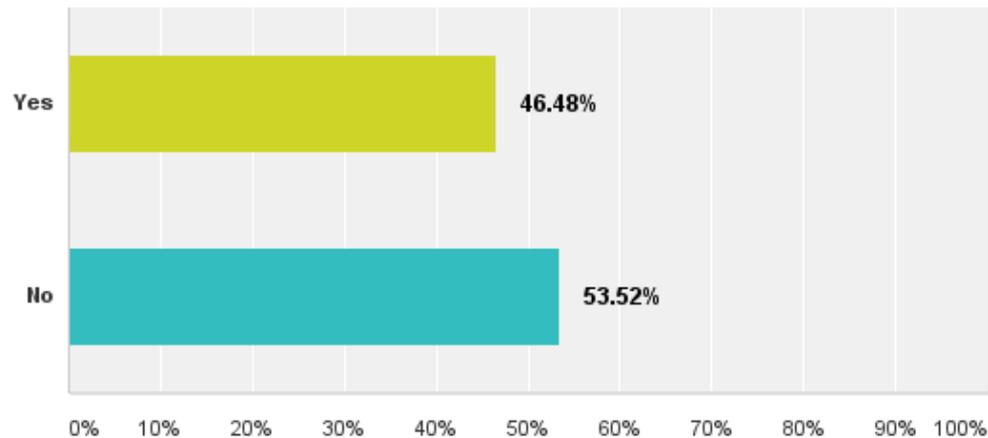
Answered: 76 Skipped: 318

Other/Comment (please specify)

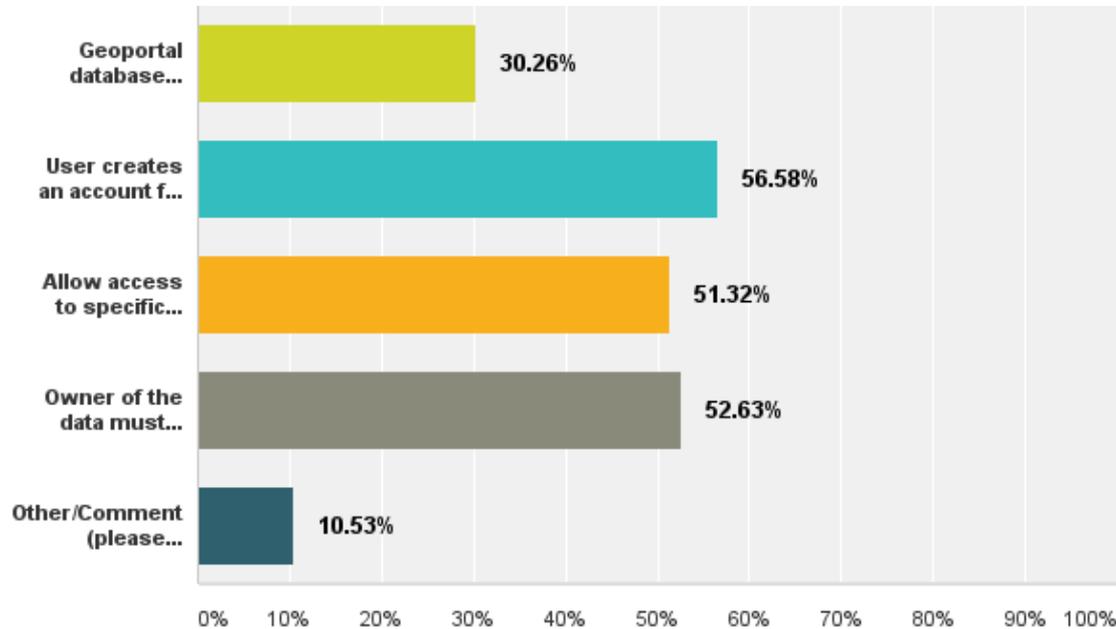
- Reports and docs in PDF format
- Oracle SDO geometry object database dump files

Q29: Do you have datasets you share outside of your organization but do not wish to advertise on the statewide geoportal?

Answered: 71 Skipped: 323



Q30: How should the statewide geoportal restrict non-public data to protect limited use licensing products from irresponsible or unnecessary exploitation? (check all that apply)

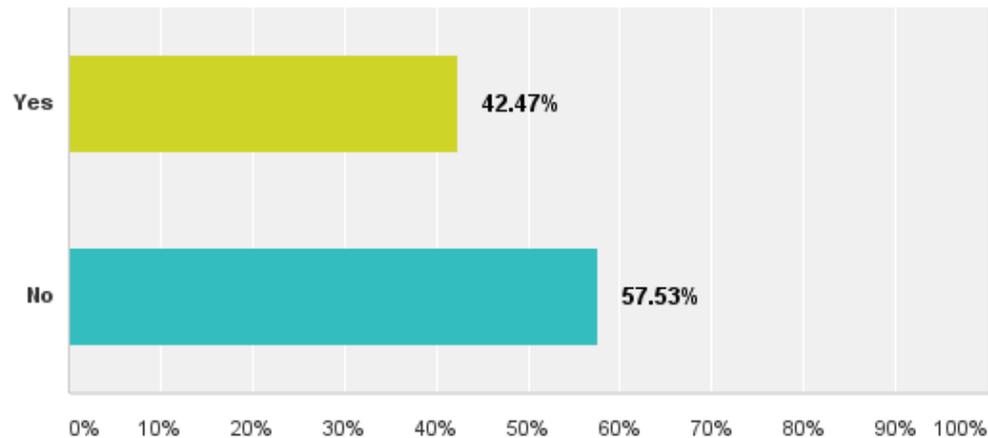


Other/Comment (please specify)

- Data Doors supports all above models for access control
- Sanitize data, each geographic area must have 3 records to be publishable

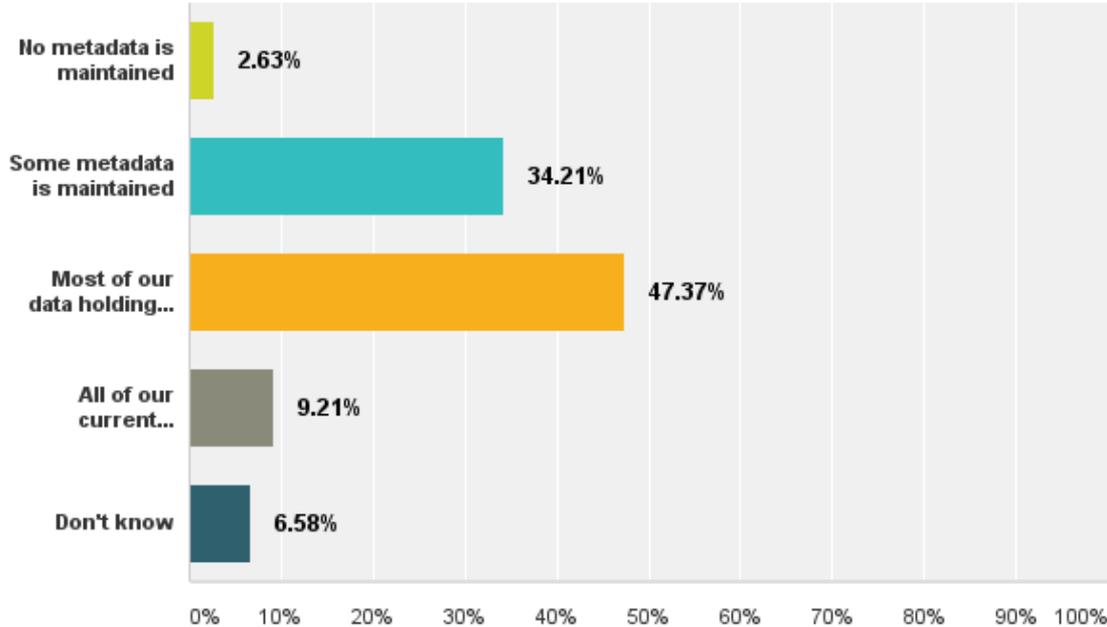
Q31: Are there any access or usage restrictions (including fees) on the data you would like to publish?

Answered: 73 Skipped: 321



Q32: Does your organization maintain metadata for the GIS it produces?

Answered: 76 Skipped: 318

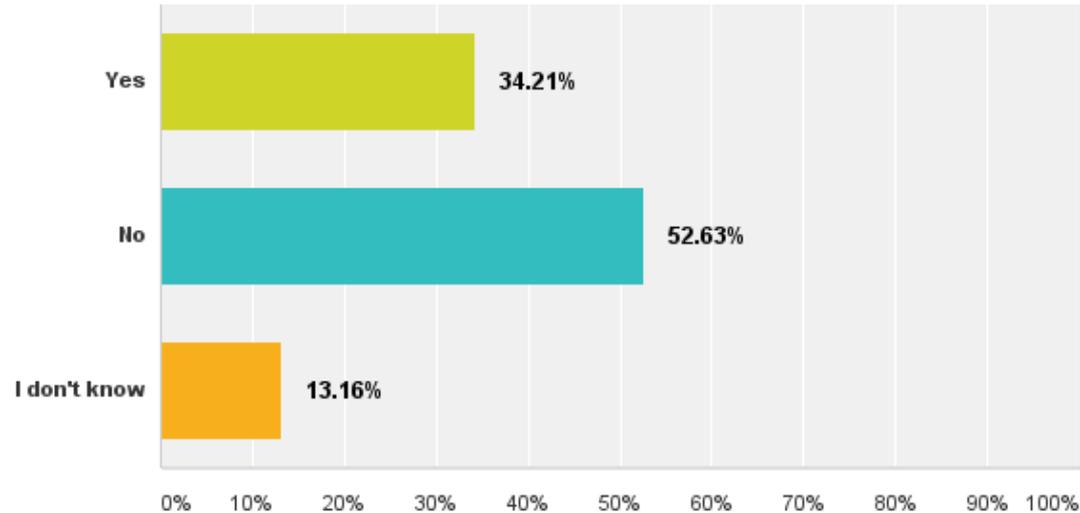


Other/Comment (please specify)

- If the data has metadata associated with we carry on the metadata associated with the file
- Statewide standards for metadata should be published by the geospatial council

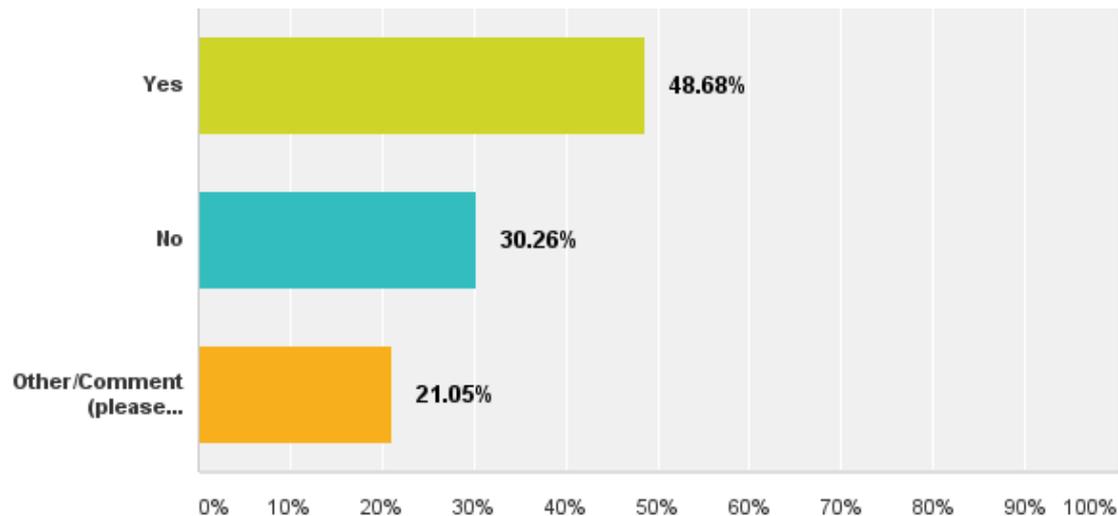
Q33: Are you satisfied with the level of metadata you have?

Answered: 76 Skipped: 318



Q34: Does your organization require you to create metadata for the GIS data that you produce?

Answered: 76 Skipped: 318

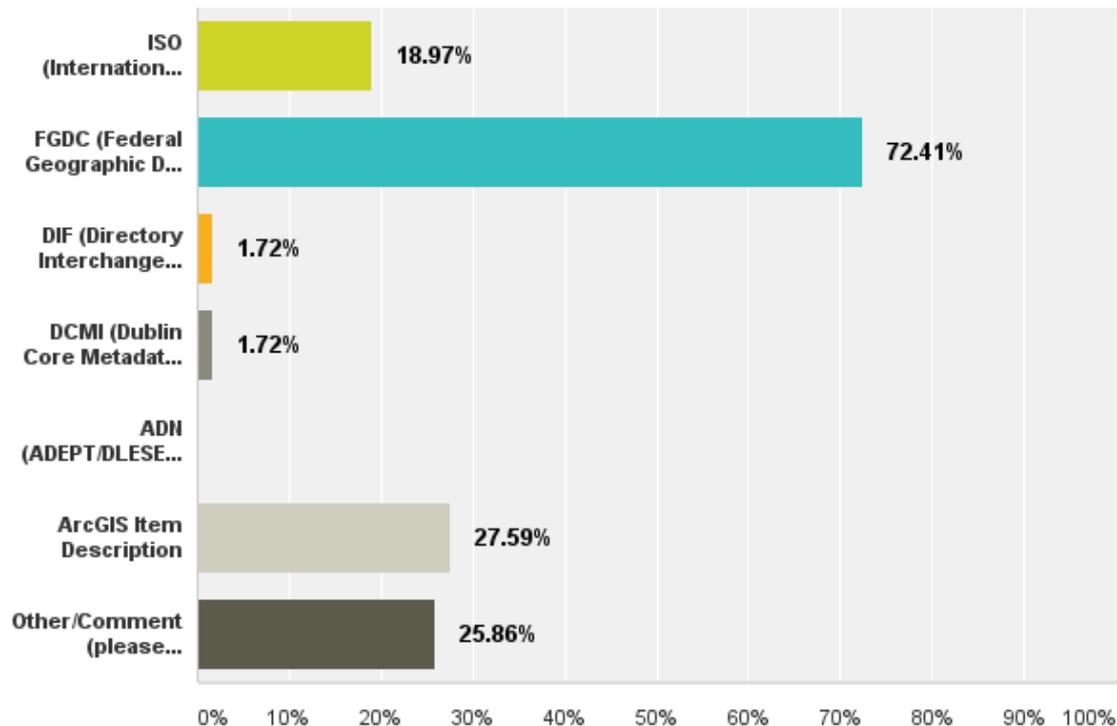


Other/Comment (please specify)

- Sometimes
- Project dependent
- Minimal, lacks standardization
- Only data that is openly served to the public
- Too much data is produced for the time allotted to create metadata

Q35: If so, which metadata standard? (check all that apply)

Answered: 58 Skipped: 336

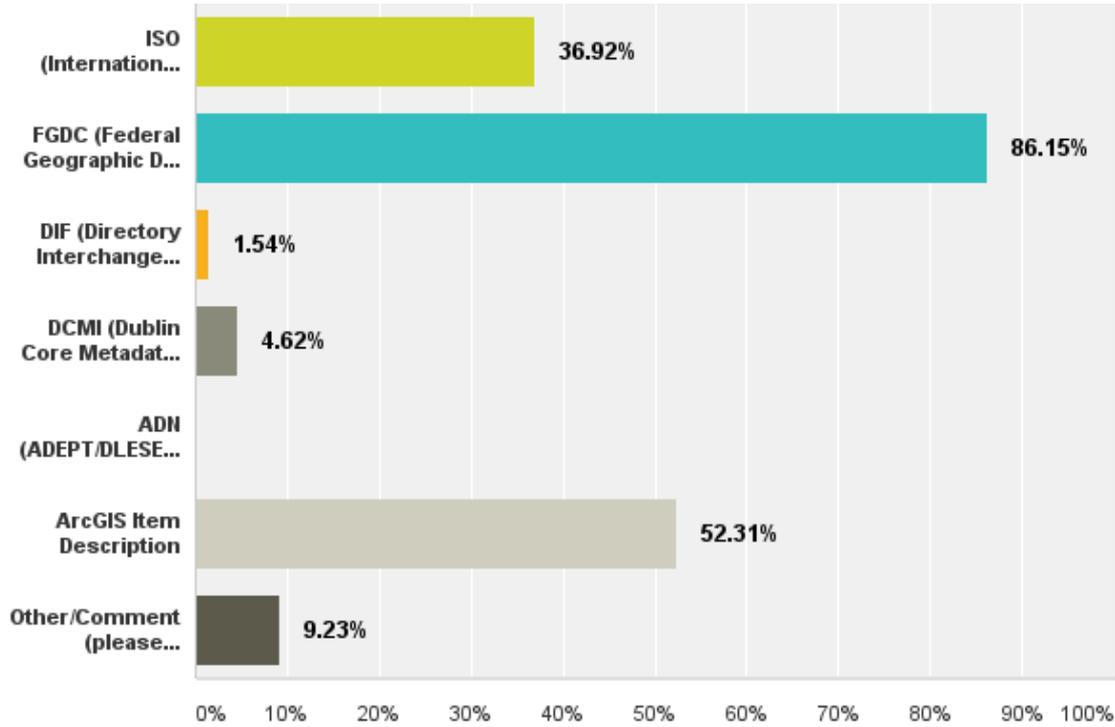


Other/Comment (please specify)

- Airbus DIMAP
- Client specific
- Good old fashioned English
- Internal bogus standard
- State of AK required information
- Website citation

Q36: What metadata standards have you used in the past? (check all that apply)

Answered: 65 Skipped: 329

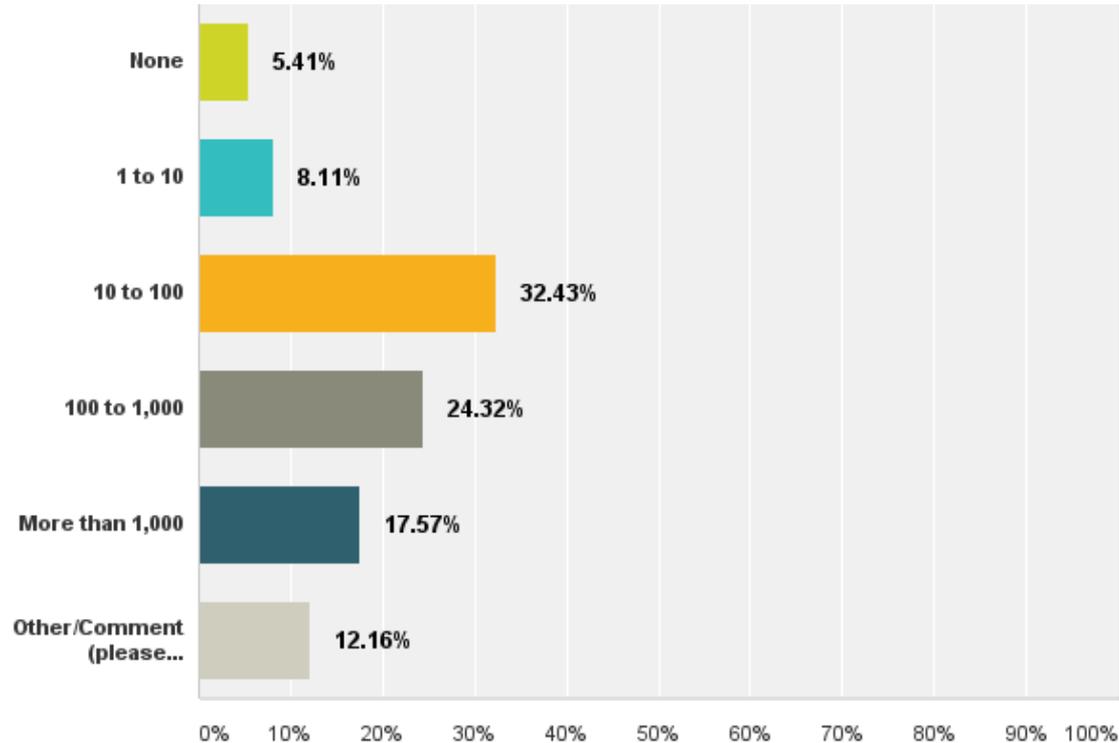


Other/Comment (please specify)

- Inspire
- Citations for manuscripts or publications

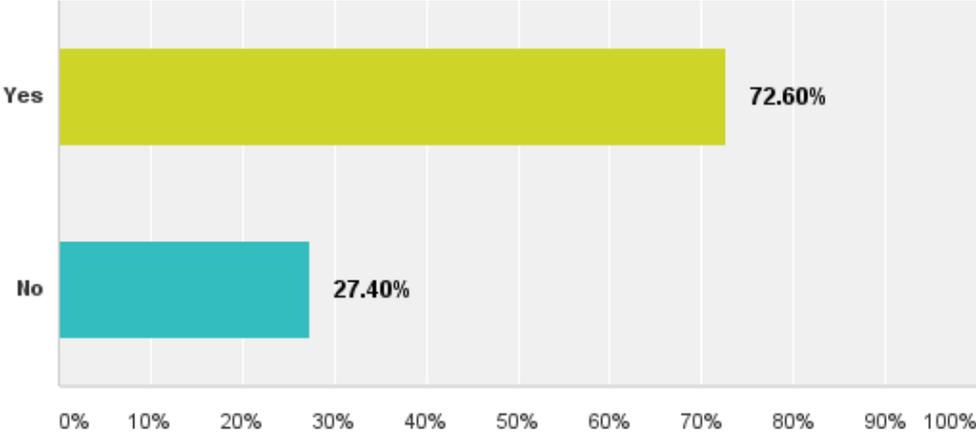
Q37: How many GIS or data items do you currently have in your metadata inventory?

Answered: 74 Skipped: 320



Q38: Have you used a metadata editor to create, edit, validate or convert metadata?

Answered: 73 Skipped: 321

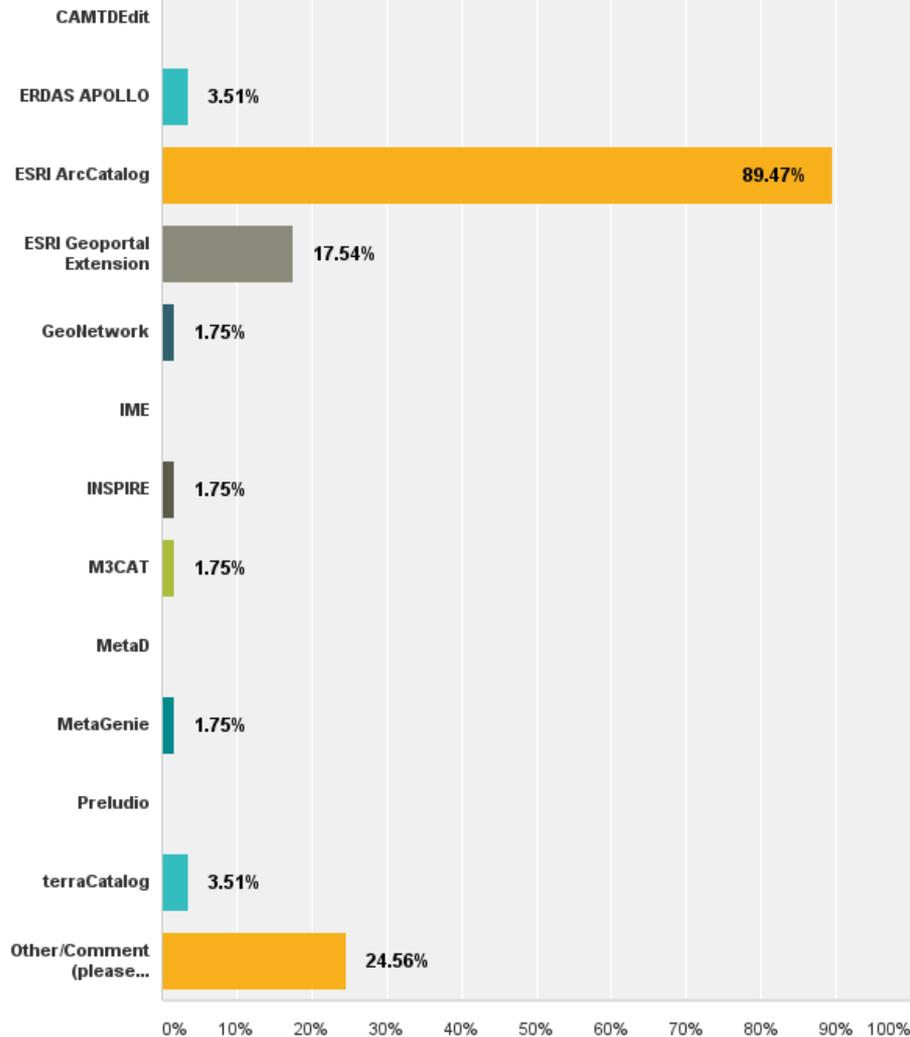


Q39: If so, which metadata editors have you used? (check all that apply)

Answered: 57 Skipped: 337

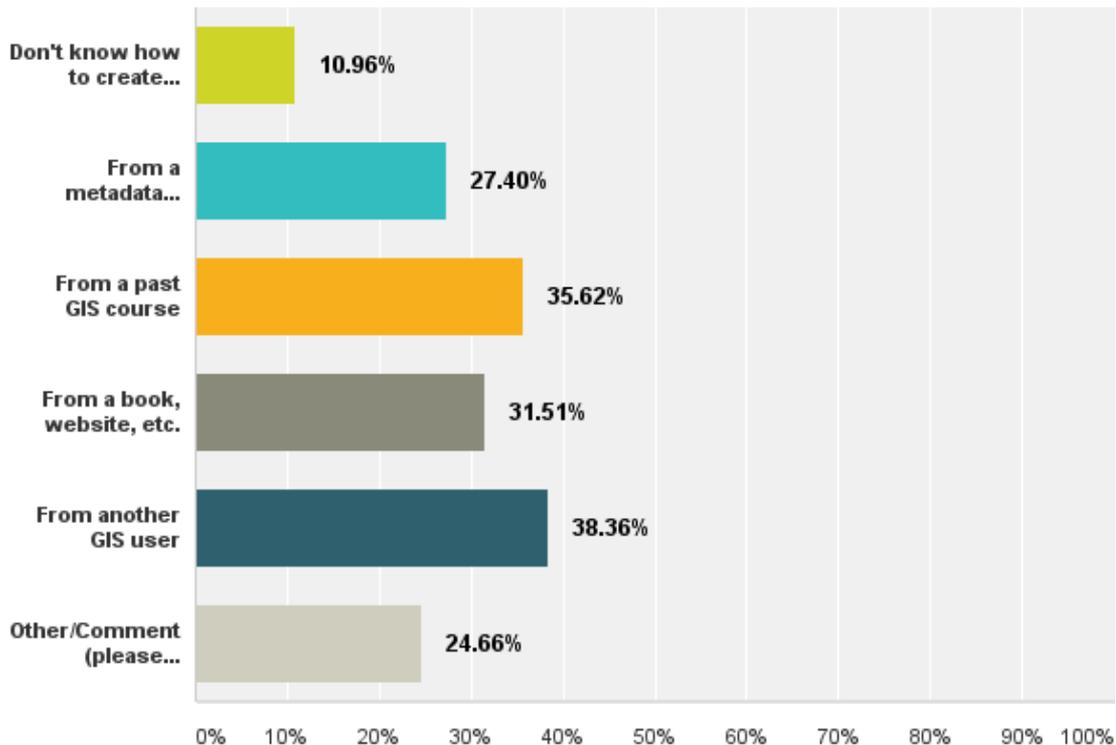
Other/Comment (please specify)

- DOS utilities
- SMMS software
- Raw XML in text editor
- NPS metadata editor
- XMLInput
- Old ArcCatalog 9.3



Q40: Where did you learn about creating metadata? (check all that apply)

Answered: 73 Skipped: 321

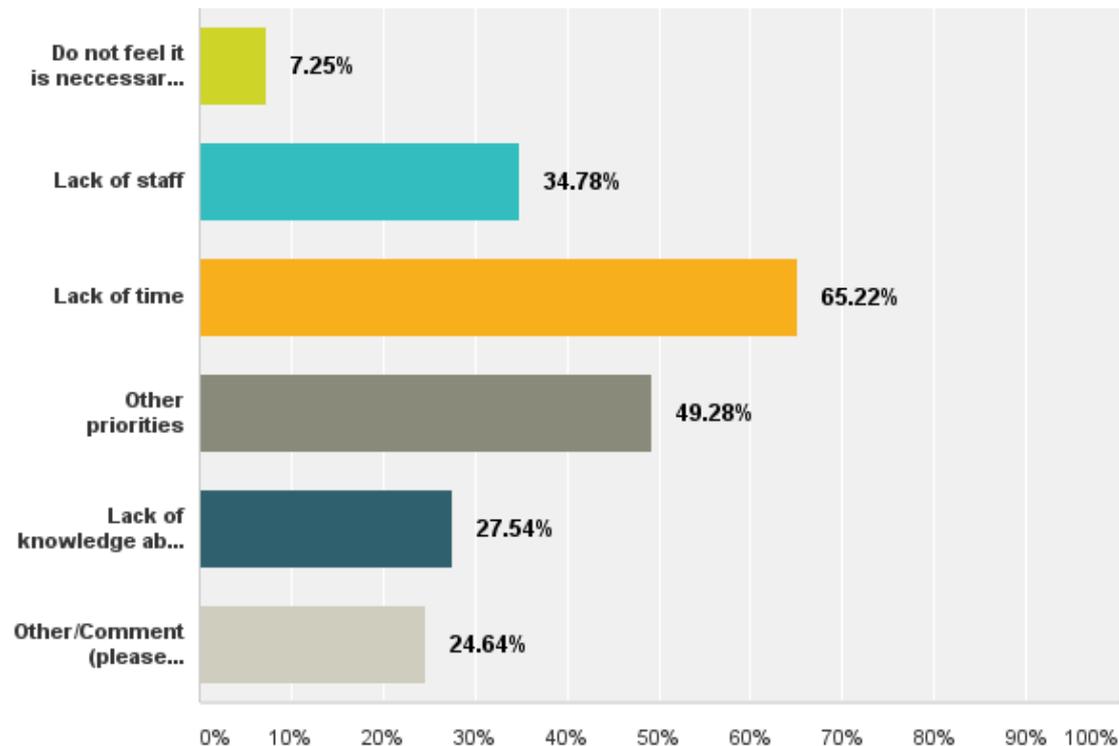


Other/Comment (please specify)

- Part of college major/minor
- Extensive study of FGDC website
- Figured it out on my own
- On the job
- By contributing to ISO 19115

Q41: What are the barriers for you in creating metadata? (check all that apply)

Answered: 69 Skipped: 325

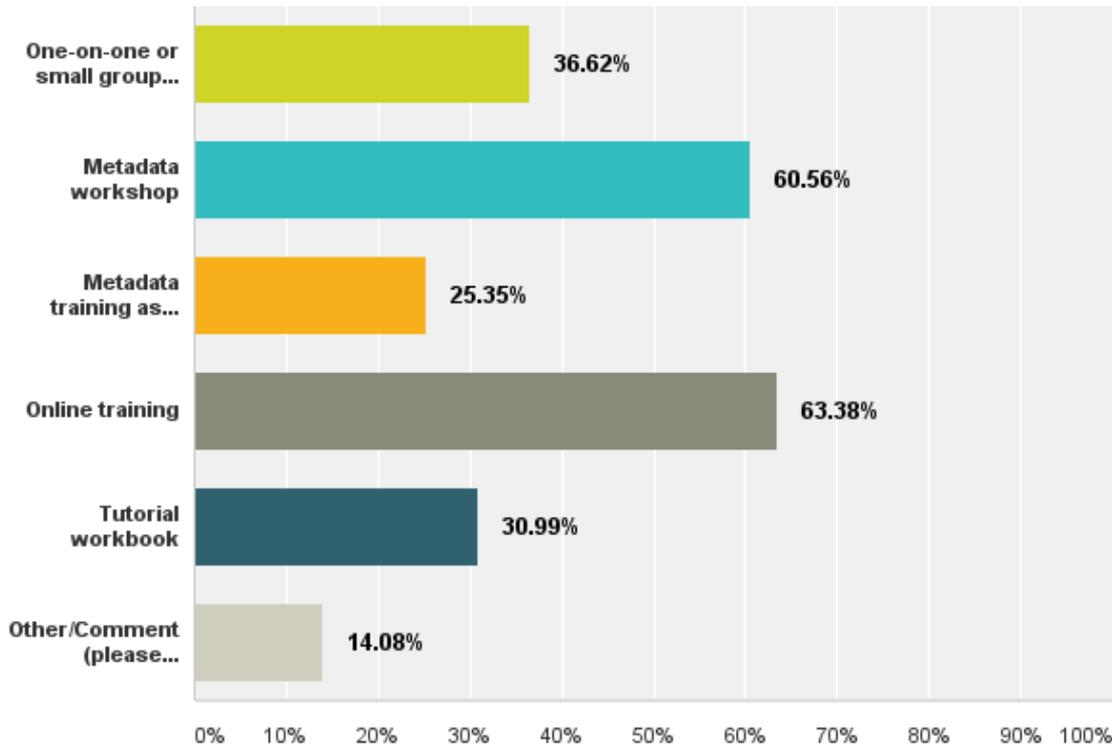


Other/Comment (please specify)

- Didn't create the data, but expected to document it
- Lack of establish standards
- Ambiguity in data ownership
- Restrictions on who can author it
- The constant updating
- No user friendly editor
- Too many "required" fields
- Useless tool in current version of ArcCatalog

Q42: What type of metadata training would you prefer? (check all that apply)

Answered: 71 Skipped: 323

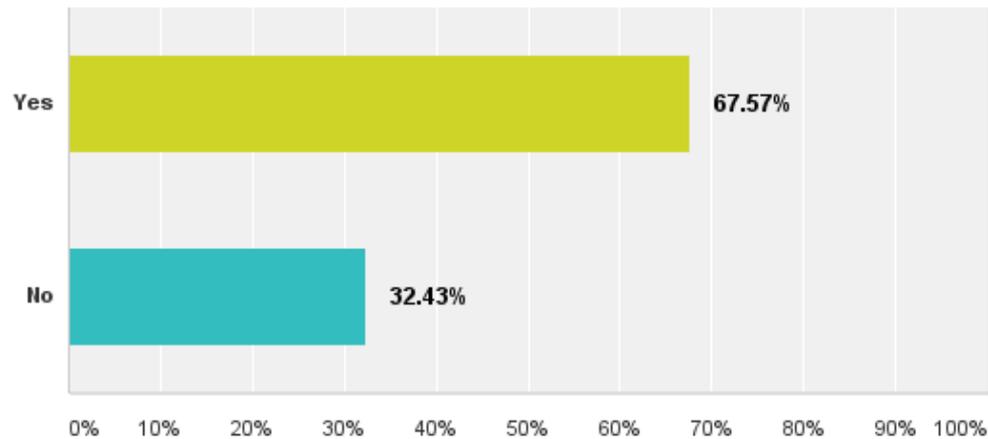


Other/Comment (please specify)

- Agency sponsored training specific to our desired standard for metadata
- Would vary depending on staff location and availability
- No training, I would prefer a simple metadata editor with authoring tools that would enforce standards

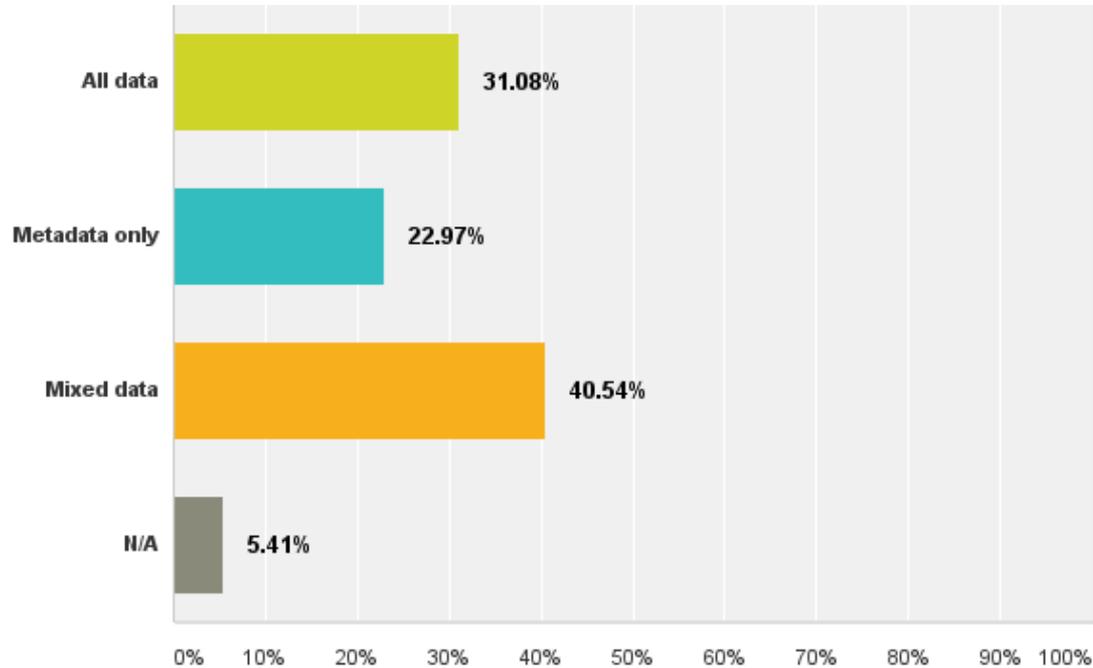
Q43: If you have data that could be included in a statewide geoportal, do you currently host your own data services?

Answered: 74 Skipped: 320

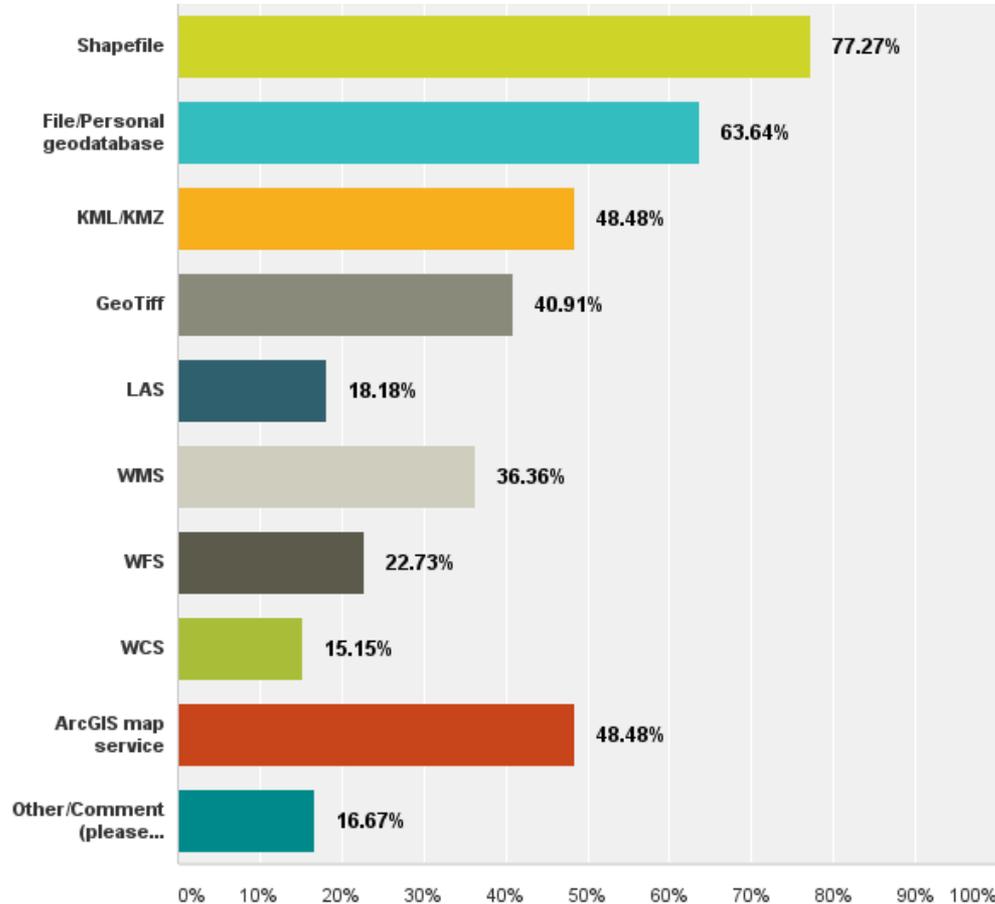


Q44: If you have data that could be included in a statewide geoportal, are you interested in having data hosted in the statewide geoportal or metadata only?

Answered: 74 Skipped: 320



Q45: What formats of data would you be hosting on the statewide geoportal? (check all that apply)



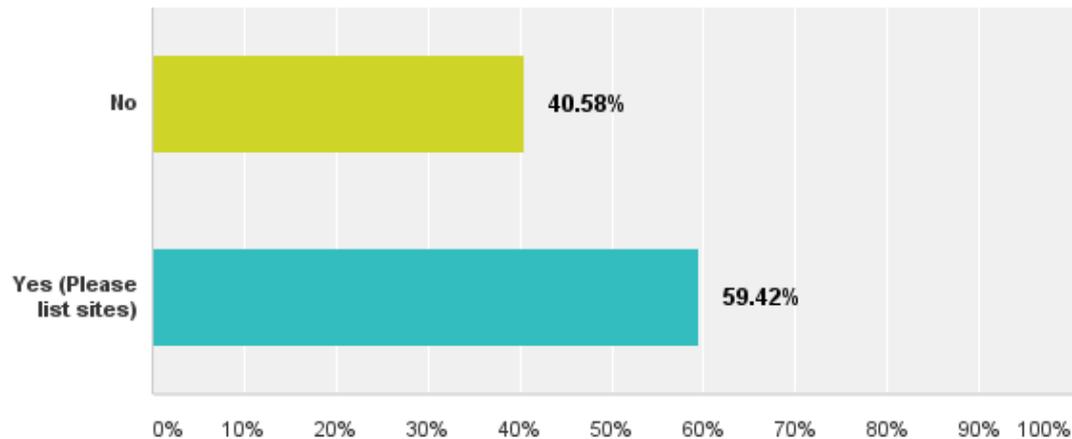
Answered: 66 Skipped: 328

Other/Comment (please specify)

- BAG
- PDF
- MrSID, IMG, jp2, blk, ECW
- ifSAR DSM/ORI/DTM
- Oracle SDO Geometry Object Data
- REST
- Point users to website via metadata

Q46: Do you plan to host metadata about your datasets on other sites in addition to the statewide geoportal?

Answered: 69 Skipped: 325

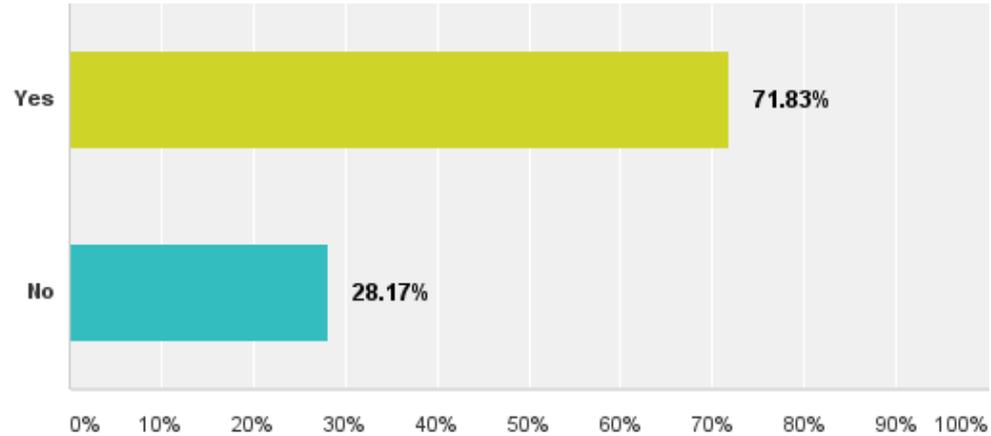


Other/Comment (please specify)

- ADEC Web Services
- ADIWG
- NSSI
- Alaskamapped.org
- Alaska.edu
- AOS
- NOAA Digital Coast
- ASGDC
- Data.gov
- UAF GINA
- DataDoors
- Department website
- DGGS
- Fnsb.us
- Internal/External agency website
- NODC
- Our own
- Project website
- Southeast Alaska GIS Library
- USGS Science Catalog
- Alaska Science Catalog
- ArcGIS Online

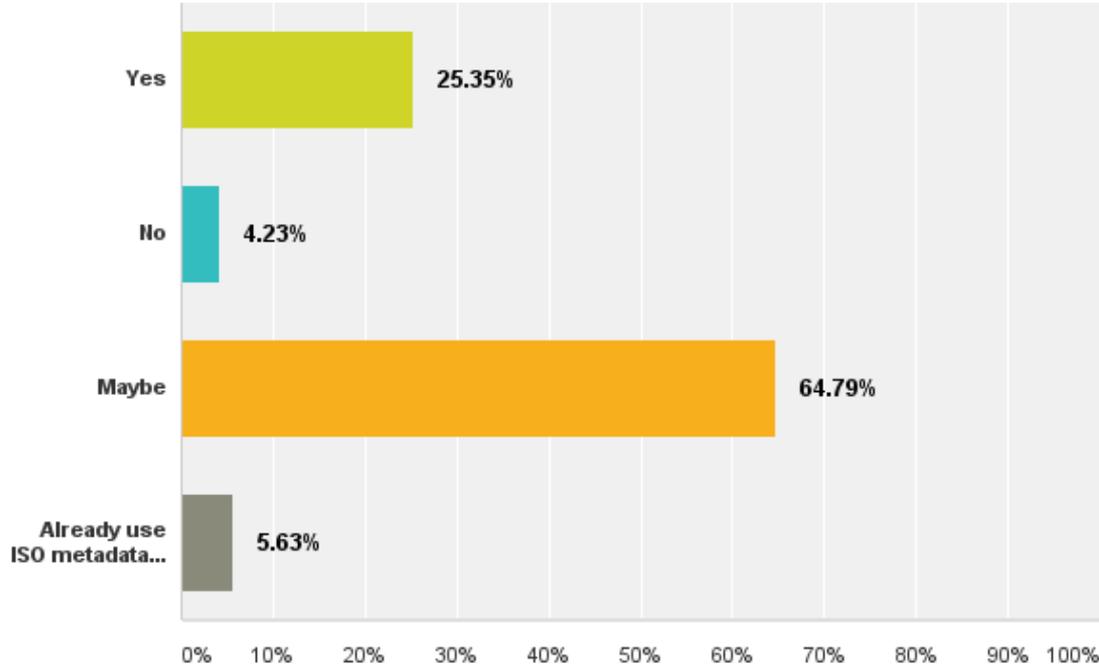
Q47: Do you plan to add or enhance the metadata for your datasets?

Answered: 71 Skipped: 323



Q48: Would your organization be willing to convert existing legacy metadata to ISO metadata?

Answered: 71 Skipped: 323

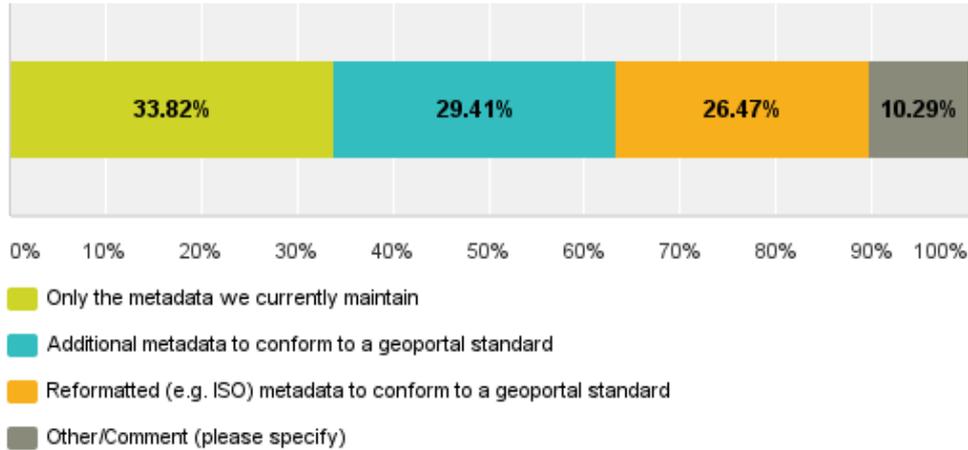


Other/Comment (please specify)

- Currently researching
- For a fee
- Lack of staff would prevent this from happening
- Case by case basis, if it makes sense
- It's not in our objectives
- We can assist our partners in converting
- We are developing an ISO translator from JSON standard
- An FGDC to ISO translator is being developed by NOAA

Q49: How much metadata do you feel is manageable for you to maintain on the data you publish through the statewide geoportal?

Answered: 68 Skipped: 326

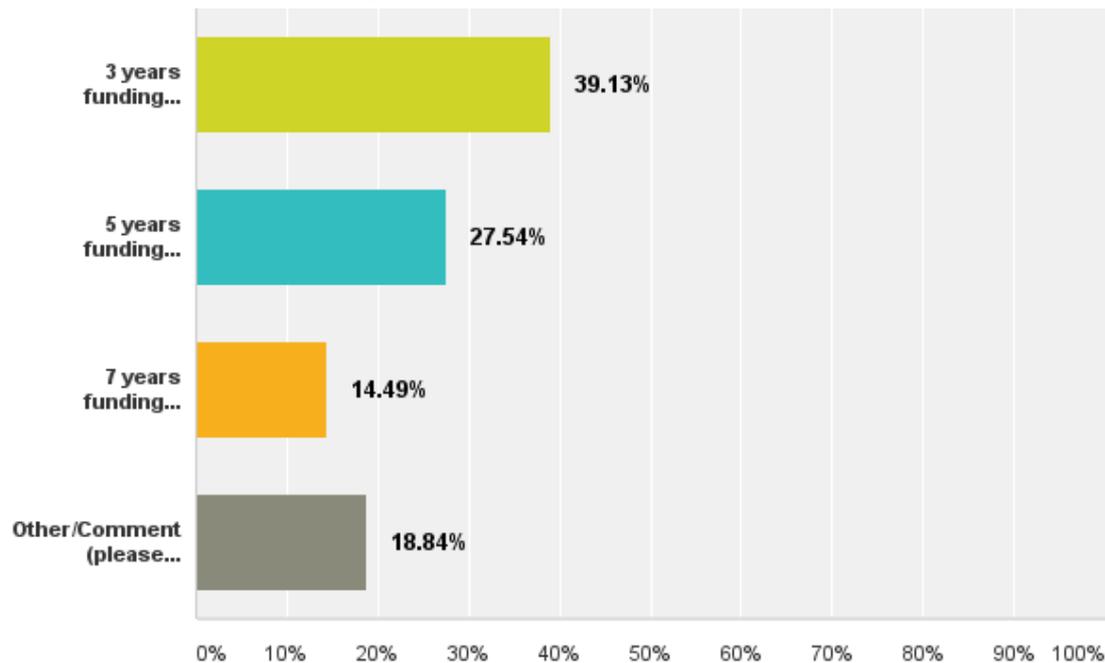


Other/Comment (please specify)

- At least basic descriptions of shapefiles, more if possible
- I would use the portal for “closed” data that requires little maintenance
- Only our main, distributed datasets only
- Depends on the level of effort

Q50: Hypothetically, how much assurance would your organization require, in terms of the sustainability of the proposed geoportal, before adopting a metadata standard for new data sets AND converting existing datasets to the new standard? Funding projection means funding assured for a specified term.

Answered: 69 Skipped: 325

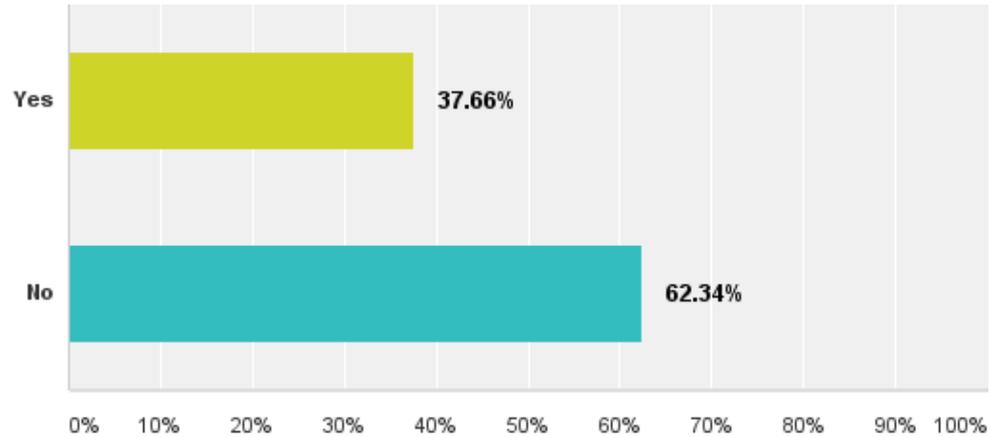


Other/Comment (please specify)

- Based on a subjective assessment on duration and amount of assured funding and other agency support
- We will not adopt another standard

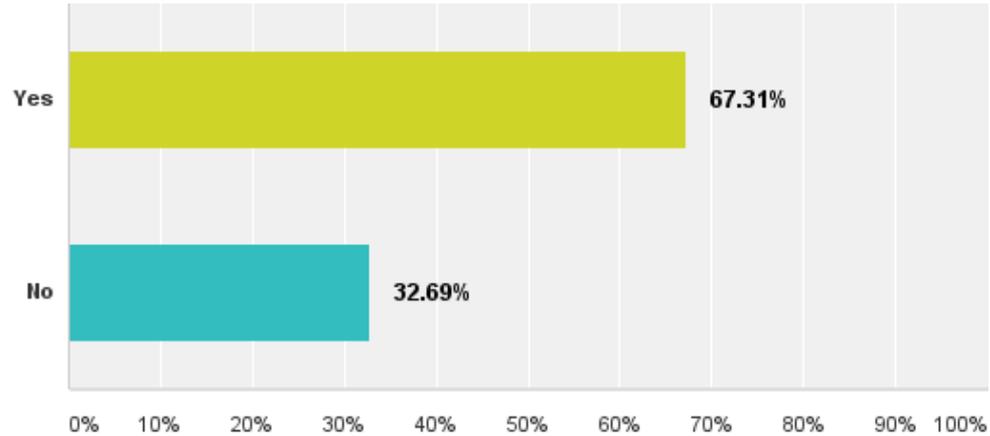
Q51: Do you use or publish emergency response data?

Answered: 77 Skipped: 317



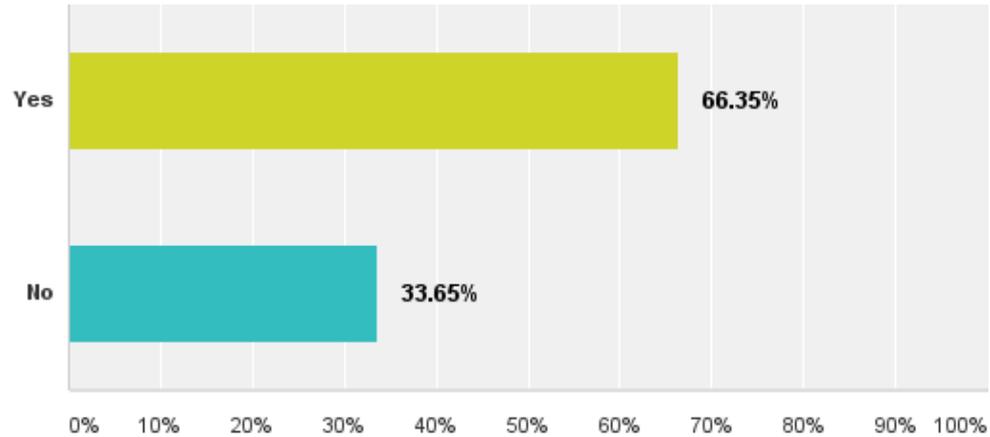
Q52: Does your organization provide emergency response data?

Answered: 104 Skipped: 290



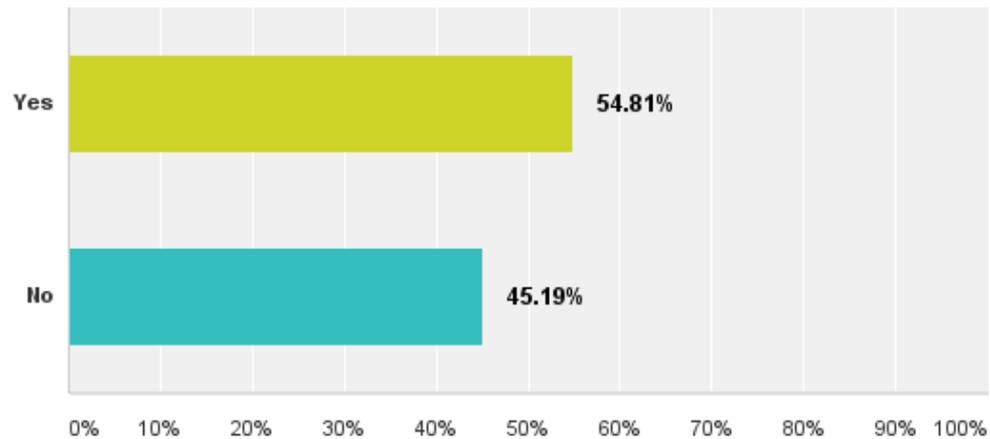
Q53: Does your organization require timely emergency response data?

Answered: 104 Skipped: 290



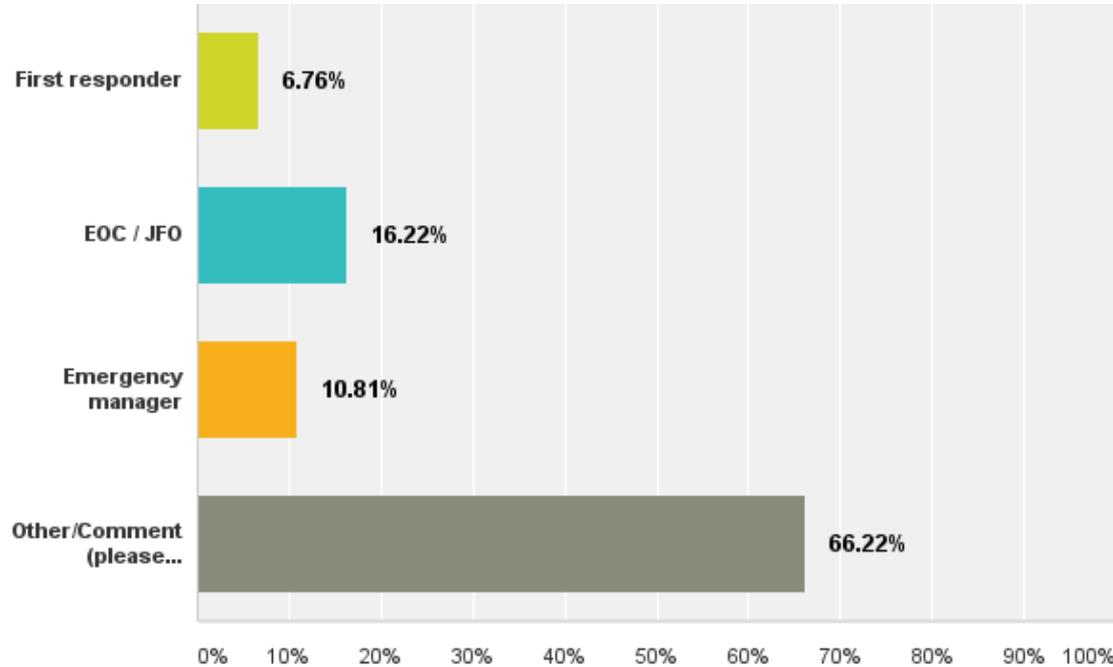
Q54: Are you currently involved in emergency/disaster response activities?

Answered: 104 Skipped: 290



Q55: If so, what is your role?

Answered: 74 Skipped: 320

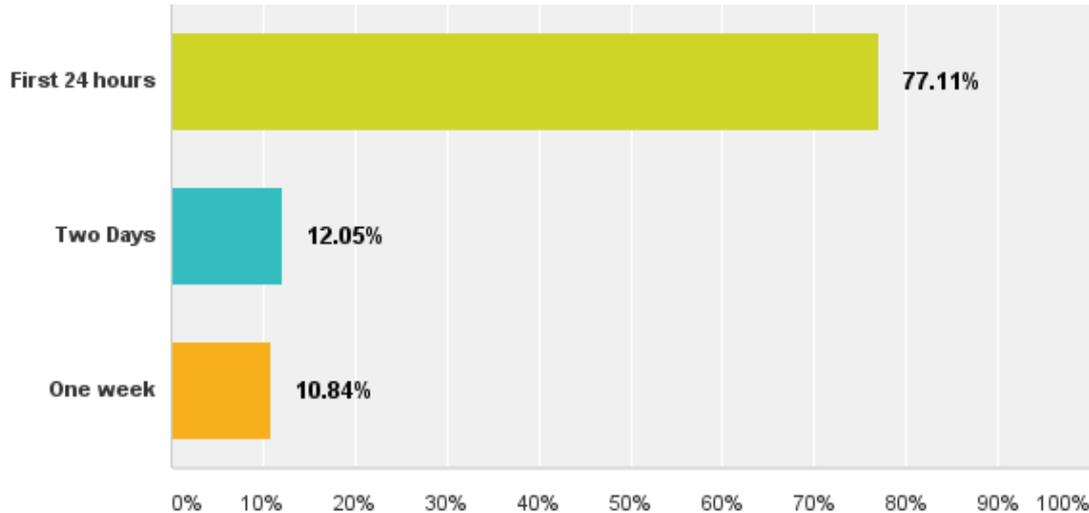


Other/Comment (please specify)

- All of the above
- 911 Coordinator
- Airborne data vendor
- Data provider
- Facility manager
- GIS manager
- GIS support role

Q56: When do you need data first/most critically during an emergency or disaster?

Answered: 83 Skipped: 311

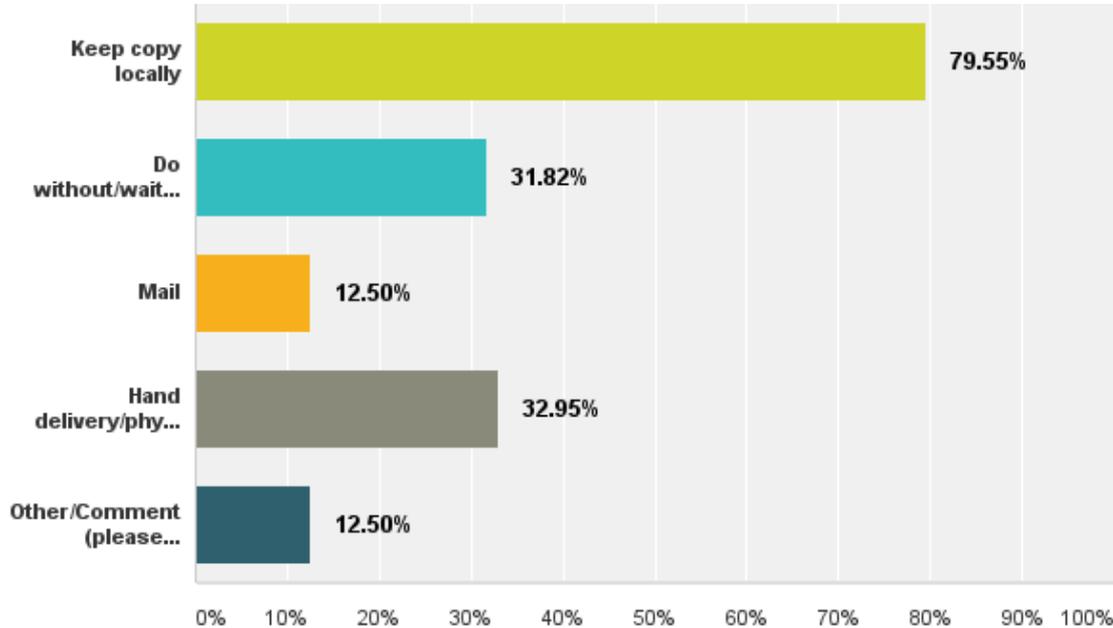


Other/Comment (please specify)

- Immediately
- All of the above
- It depends
- Daily updates

Q57: If internet access is unavailable during an emergency or disaster, how do you currently access the data you need? (check all that apply)

Answered: 88 Skipped: 306



Other/Comment (please specify)

- Dependent on situation
- Off site phone conference with someone who can view the data
- Printed maps
- Portable offline devices

Backup Slides

Survey Tables

Tuesday, July 15, 2014

Q1: What is your level of GIS knowledge?

Answered: 390 Skipped: 4

Answer Choices	Responses	
Novice	4.87%	19
Beginner	14.10%	55
Intermediate	29.23%	114
Advanced	34.87%	136
Expert	16.92%	66
Total		390

Q2: What is your level of metadata knowledge?

Answered: 391 Skipped: 3

Answer Choices	Responses	
Novice	8.70%	34
Beginner	24.55%	96
Intermediate	40.15%	157
Advanced	21.48%	84
Expert	5.12%	20
Total		391

Q3: What type of organization do you work for?

Answered: 391 Skipped: 3

Answer Choices	Responses	
Federal Government	15.60%	61
State Government	45.52%	178
Local Government	6.39%	25
Private	20.20%	79
Public	0.26%	1
Tribal	0.77%	3
Non-Profit	2.05%	8
Military	0.51%	2
Educational	5.88%	23
Other /Comment (please specify)	2.81%	11
Total		391

Q4: How often do you access geospatial data from a rural or remote area?

Answered: 391 Skipped: 3

Answer Choices	Responses	
Always	11.76%	46
Sometimes	49.36%	193
Never	31.71%	124
Other/Comment (please specify)	7.16%	28
Total		391

Q5: If sometimes or always access geospatial data from a rural or remote area, which internet connection type do you use the most?

Answered: 261 Skipped: 133

Answer Choices	Responses
Dial-up	1.15% 3
Internet over satellite	15.33% 40
Cellular data or mobile hotspot	27.20% 71
DSL	15.71% 41
Cable	9.58% 25
T1 or higher	23.37% 61
Other/Comment (please specify)	7.66% 20
Total	261

Q6: If you don't have an internet connection, how do you get the data you need? (check all that apply)

Answered: 241 Skipped: 153

Answer Choices	Responses	
Email	33.61%	81
Hard drive via mail	36.93%	89
Send someone to get it	12.45%	30
Live data feed over the internet before going offline	23.65%	57
Download data (e.g. from ArcGIS Online) for offline use	44.81%	108
After hours FTP	17.43%	42
Do without	36.51%	88
Other/Comment (please specify)	9.96%	24
Total Respondents: 241		

Q7: What data formats do you currently access and/or use? (check all that apply)

Answered: 384 Skipped: 10

Answer Choices	Responses	
Shapefile	94.01%	361
File/Personal geodatabase	77.08%	296
KML/KMZ	63.54%	244
GeoTiff	61.20%	235
LAS	25.26%	97
WMS	48.18%	185
WFS	19.01%	73
WCS	13.02%	50
ArcGIS map service	57.81%	222
Other/Comment (please specify)	9.64%	37
Total Respondents: 384		

Q8: How often do you view data, download data, or perform other activities?

Answered: 389 Skipped: 5

Answer Choices	Responses
Hourly	14.91% 58
Daily	34.96% 136
Weekly	27.76% 108
Monthly	21.08% 82
Never	1.29% 5
Total	389

Q9: What type of licensed data do you use? (check all that apply)

Answered: 387 Skipped: 7

Answer Choices	Responses	
Restricted	11.63%	45
Public Domain	25.58%	99
Both	63.82%	247
Unknown	15.50%	60
Total Respondents: 387		

Q10: If a shared license, how is it most commonly shared?

Answered: 272 Skipped: 122

Answer Choices	Responses
Government only	42.65% 116
Federal only	11.03% 30
Restricted federal	4.41% 12
Single agency	41.91% 114
Total	272

Q11: How could the State of Alaska fund a sustainable statewide geoportal?

Answered: 372 Skipped: 22

Answer Choices	Responses	
State funded - Operationally as part of a State Dept.	23.39%	87
State & Federally funded (cost share) as part of an operational budget	48.39%	180
State general fund/budget	13.17%	49
Subscription/user fee	5.11%	19
9-11 or statewide utility surcharge	2.15%	8
Other/Comment (please specify)	7.80%	29
Total		372

Q12: Is your interest in the statewide geoportal as a potential user or potential publisher of data?

Answered: 393 Skipped: 1

Answer Choices	Responses	
User	76.34%	300
Publisher	20.87%	82
Neither	2.80%	11
Total		393

Q13: How do you search or browse datasets of interest? (check all that apply)

Answered: 284 Skipped: 110

Answer Choices	Responses	
User-defined geographic extent	65.14%	185
Agency	61.27%	174
Project	46.13%	131
Thematic category	52.46%	149
Keyword	50.35%	143
Date range	32.04%	91
General browser search, e.g. Google or Bing	55.63%	158
Other/Comment (please specify)	5.63%	16
Total Respondents: 284		

Q14: Which websites do you currently use to search for data? (check all that apply)

Answered: 284 Skipped: 110

Answer Choices	Responses	
University internal	3.52%	10
University external (i.e. UAF-GINA (Alaska Mapped), UAS, NSF or equivalent)	67.96%	193
State internal	39.79%	113
State agency public facing	63.73%	181
Municipal-public facing	52.82%	150
Municipal internal	5.28%	15
Federal agency internal	17.61%	50
Federal agency external/public facing (i.e. USGS, NOAA, FEMA, National Map etc.)	78.87%	224
ArcGIS Online	54.93%	156
geodata.gov/geoplatform.gov	27.11%	77
General browser search	49.30%	140
Total Respondents: 284		

Q15: What do you need to do with the data? (check all that apply)

Answered: 284 Skipped: 110

Answer Choices	Responses	
Download	89.08%	253
Query	61.27%	174
View metadata	62.32%	177
Use GIS map services	70.42%	200
Other/Comment (please specify)	7.39%	21
Total Respondents: 284		

Q16: When you download data from other sources, how often do you browse the descriptive information about the data?

Answered: 284 Skipped: 110

Answer Choices	Responses
Always	44.01% 125
Sometimes	39.08% 111
Only if I need additional information about the attribute table	10.56% 30
Rarely	5.28% 15
Never	1.06% 3
Total	284

Q17: Do you feel like there is a need for a single one-stop authoritative repository of geospatial data in Alaska?

Answered: 282 Skipped: 112

Answer Choices	Responses	
Yes	81.21%	229
No	10.64%	30
One already exists (please specify)	8.16%	23
Total		282

Q18: What forms of data are you interested in accessing through the statewide geoportal? (check all that apply)

Answered: 285 Skipped: 109

Answer Choices	Responses	
Shapefile	91.23%	260
File/Personal geodatabase	74.39%	212
KML/KMZ	58.95%	168
GeoTiff	62.81%	179
LAS	30.88%	88
WMS	47.37%	135
WFS	24.91%	71
WCS	21.40%	61
ArcGIS map service	53.68%	153
Other/Comment (please specify)	7.72%	22
Total Respondents: 285		

Q19: What information do you need for data you would like to access through a statewide portal?

Answered: 283 Skipped: 111

Answer Choices	Responses	
Basic descriptive information	39.93%	113
Detailed unstructured descriptive information	10.25%	29
Structured metadata (e.g. ISO 19115)	44.88%	127
Other/Comment (please specify)	4.95%	14
Total		283

Q20: On average, how much time per month do you spend searching for geospatial data that may or may not exist?

Answered: 288 Skipped: 106

Answer Choices	Responses
1 hour or less	22.92% 66
Between 1 and 2 hours	26.74% 77
Between 2 and 5 hours	28.82% 83
Between 5 and 10 hours	14.58% 42
Between 10 and 25 hours	5.56% 16
Over 25 hours per month	1.39% 4
Total	288

Q21: As a user, please describe your experience searching for data in Alaska.

Answered: 282 Skipped: 112

Answer Choices	Responses
Extremely efficient and lots of usable data	7.09% 20
Less than efficient. I found data but it was restricted use so I couldn't use it	15.60% 44
Somewhat frustrating. I can't find the data I need and there are so many sites to search for data that may or may not exist with the licensing parameters I need	47.52% 134
Very frustrating due to the limited use licensing, limited data holdings, and so many places to search	14.54% 41
Other/Comment (please specify)	15.25% 43
Total	282

License uplift means distribution restrictions are relaxed, generally for a fee. And, a sunset clause relates to an automatic relaxing of distribution restrictions at a predetermined date in the future such as two years).

Answered: 269 Skipped: 125

Answer Choices	Responses
Statewide datasets should always be acquired with a public domain license to benefit the broader user community	51.30% 138
Statewide datasets should at least have at short term sunset clause (1 – 2 years) uplifting the data to public domain in the short term	26.39% 71
Statewide datasets could have a sunset clause (3 years and over) uplifting the data to public domain in the long term	10.04% 27
Statewide datasets should only be licensed to "all government" entities	4.46% 12
Other/Comment (please specify)	7.81% 21
Total	269

Q23: What importance should the state place on project specific datasets with respect to public domain licensing?

Answered: 267 Skipped: 127

Answer Choices	Responses	
Highly impractical	2.62%	7
Long term sunset clause	5.62%	15
Short term sunset clause	9.74%	26
Case by case, but at least with some sort of sunset clause	48.69%	130
Always public domain	33.33%	89
Total		267

Q24. Should the AGC have a process for stakeholders to request license restricted data holdings be considered for license uplift to benefit the broader stakeholder community as a function of the geoportal?

Answered: 257 Skipped: 137

Answer Choices	Responses
Yes	89.49% 230
No	7.00% 18
Other/Comment (please specify)	3.50% 9
Total	257

Q25: Do you use or publish emergency response data?

Answered: 289 Skipped: 105

Answer Choices	Responses
Yes	26.64% 77
No	73.36% 212
Total	289

Q26: How are your datasets, or information about them, distributed now? (check all that apply)

Answered: 77 Skipped: 317

Answer Choices	Responses	
Our organization's website	77.92%	60
A clearinghouse	33.77%	26
Word of mouth	33.77%	26
Data inquiry by phone or email	70.13%	54
Other/Comment (please specify)	20.78%	16
Total Respondents: 77		

Q27: How are your datasets delivered to your clients? (check all that apply)

Answered: 75 Skipped: 319

Answer Choices	Responses	
FTP	53.33%	40
CD/DVD	38.67%	29
Download from website	61.33%	46
Geospatial web services	44.00%	33
ArcGIS Online	40.00%	30
Not available for download - view only	12.00%	9
Other/Comment (please specify)	12.00%	9
Total Respondents: 75		

Q28: What forms of data are you interested in advertising or publishing through the statewide geoportal? (check all that apply)

Answered: 76 Skipped: 318

Answer Choices	Responses	
Shapefile	75.00%	57
File/Personal geodatabase	64.47%	49
KML/KMZ	44.74%	34
GeoTiff	39.47%	30
LAS	23.68%	18
WMS	39.47%	30
WFS	26.32%	20
WCS	15.79%	12
ArcGIS map service	56.58%	43
Other/Comment (please specify)	10.53%	8
Total Respondents: 76		

Q29: Do you have datasets you share outside of your organization but do not wish to advertise on the statewide geoportal?

Answered: 71 Skipped: 323

Answer Choices	Responses	
Yes	46.48%	33
No	53.52%	38
Total		71

Q30. How should the statewide geoportal restrict non-public data to protect limited use licensing products from irresponsible or unnecessary exploitation? (check all that apply)

Answered: 76 Skipped: 318

Answer Choices	Responses	
Geoportal database manager must approve access	30.26%	23
User creates an account for access	56.58%	43
Allow access to specific groups or individuals	51.32%	39
Owner of the data must approve	52.63%	40
Other/Comment (please specify)	10.53%	8
Total Respondents: 76		

Q31: Are there any access or usage restrictions (including fees) on the data you would like to publish?

Answered: 73 Skipped: 321

Answer Choices	Responses
Yes	42.47% 31
No	57.53% 42
Total	73

Q32: Does your organization maintain metadata for the GIS it produces?

Answered: 76 Skipped: 318

Answer Choices	Responses
No metadata is maintained	2.63% 2
Some metadata is maintained	34.21% 26
Most of our data holdings have current metadata	47.37% 36
All of our current holdings have current metadata	9.21% 7
Don't know	6.58% 5
Total	76

Q33: Are you satisfied with the level of metadata you have?

Answered: 76 Skipped: 318

Answer Choices	Responses
Yes	34.21% 26
No	52.63% 40
I don't know	13.16% 10
Total	76

Q34: Does your organization require you to create metadata for the GIS data that you produce?

Answered: 76 Skipped: 318

Answer Choices	Responses	
Yes	48.68%	37
No	30.26%	23
Other/Comment (please specify)	21.05%	16
Total		76

Q35: If so, which metadata standard? (check all that apply)

Answered: 58 Skipped: 336

Answer Choices	Responses
ISO (International Standards Organization)	18.97% 11
FGDC (Federal Geographic Data Committee) CSDGM (Content Standard for Digital Geospatial Metadata)	72.41% 42
DIF (Directory Interchange Format)	1.72% 1
DCMI (Dublin Core Metadata Initiative)	1.72% 1
ADN (ADEPT/DLESE/NASA)	0.00% 0
ArcGIS Item Description	27.59% 16
Other/Comment (please specify)	25.86% 15
Total Respondents: 58	

Q36: What metadata standards have you used in the past? (check all that apply)

Answered: 65 Skipped: 329

Answer Choices	Responses
ISO (International Standards Organization)	36.92% 24
FGDC (Federal Geographic Data Committee) CSDGM (Content Standard for Digital Geospatial Metadata)	86.15% 56
DIF (Directory Interchange Format)	1.54% 1
DCMI (Dublin Core Metadata Initiative)	4.62% 3
ADN (ADEPT/DLESE/NASA)	0.00% 0
ArcGIS Item Description	52.31% 34
Other/Comment (please specify)	9.23% 6
Total Respondents: 65	

Q37: How many GIS or data items do you currently have in your metadata inventory?

Answered: 74 Skipped: 320

Answer Choices	Responses
None	5.41% 4
1 to 10	8.11% 6
10 to 100	32.43% 24
100 to 1,000	24.32% 18
More than 1,000	17.57% 13
Other/Comment (please specify)	12.16% 9
Total	74

Q38: Have you used a metadata editor to create, edit, validate or convert metadata?

Answered: 73 Skipped: 321

Answer Choices	Responses
Yes	72.60% 53
No	27.40% 20
Total	73

Q39: If so, which metadata editors have you used? (check all that apply)

Answered: 57 Skipped: 337

Answer Choices	Responses	
CAMTDEdit	0.00%	0
ERDAS APOLLO	3.51%	2
ESRI ArcCatalog	89.47%	51
ESRI Geoportal Extension	17.54%	10
GeoNetwork	1.75%	1
IME	0.00%	0
INSPIRE	1.75%	1
M3CAT	1.75%	1
MetaD	0.00%	0
MetaGenie	1.75%	1
Preludio	0.00%	0
terraCatalog	3.51%	2

Q40: Where did you learn about creating metadata? (check all that apply)

Answered: 73 Skipped: 321

Answer Choices	Responses	
Don't know how to create metadata	10.96%	8
From a metadata training workshop	27.40%	20
From a past GIS course	35.62%	26
From a book, website, etc.	31.51%	23
From another GIS user	38.36%	28
Other/Comment (please specify)	24.66%	18
Total Respondents: 73		

Q41: What are the barriers for you in creating metadata? (check all that apply)

Answered: 69 Skipped: 325

Answer Choices	Responses	
Do not feel it is necessary because we don't distribute our data	7.25%	5
Lack of staff	34.78%	24
Lack of time	65.22%	45
Other priorities	49.28%	34
Lack of knowledge about metadata and metadata creation	27.54%	19
Other/Comment (please specify)	24.64%	17
Total Respondents: 69		

Q42: What type of metadata training would you prefer? (check all that apply)

Answered: 71 Skipped: 323

Answer Choices	Responses	
One-on-one or small group assistance from a metadata specialist	36.62%	26
Metadata workshop	60.56%	43
Metadata training as part of GIS degree or certificate program	25.35%	18
Online training	63.38%	45
Tutorial workbook	30.99%	22
Other/Comment (please specify)	14.08%	10
Total Respondents: 71		

Q43: If you have data that could be included in a statewide geoportal, do you currently host your own data services?

Answered: 74 Skipped: 320

Answer Choices	Responses	
Yes	67.57%	50
No	32.43%	24
Total		74

Q44. If you have data that could be included in a statewide geoportal, are you interested in having data hosted in the statewide geoportal or metadata only?

Answered: 74 Skipped: 320

Answer Choices	Responses
All data	31.08% 23
Metadata only	22.97% 17
Mixed data	40.54% 30
N/A	5.41% 4
Total	74

Q45: What formats of data would you be hosting on the statewide geoportal? (check all that apply)

Answered: 66 Skipped: 328

Answer Choices	Responses	
Shapefile	77.27%	51
File/Personal geodatabase	63.64%	42
KML/KMZ	48.48%	32
GeoTiff	40.91%	27
LAS	18.18%	12
WMS	36.36%	24
WFS	22.73%	15
WCS	15.15%	10
ArcGIS map service	48.48%	32
Other/Comment (please specify)	16.67%	11
Total Respondents: 66		

Q46: Do you plan to host metadata about your datasets on other sites in addition to the statewide geoportal?

Answered: 69 Skipped: 325

Answer Choices	Responses
No	40.58% 28
Yes (Please list sites)	59.42% 41
Total	69

Q47: Do you plan to add or enhance the metadata for your datasets?

Answered: 71 Skipped: 323

Answer Choices	Responses
Yes	71.83% 51
No	28.17% 20
Total	71

Q48: Would your organization be willing to convert existing legacy metadata to ISO metadata?

Answered: 71 Skipped: 323

Answer Choices	Responses	
Yes	25.35%	18
No	4.23%	3
Maybe	64.79%	46
Already use ISO metadata standard	5.63%	4
Total		71

How much metadata do you currently maintain for your geoportal?

Answered: 68 Skipped: 326

Answer Choices	Responses	
Only the metadata we currently maintain	33.82%	23
Additional metadata to conform to a geoportal standard	29.41%	20
Reformatted (e.g. ISO) metadata to conform to a geoportal standard	26.47%	18
Other/Comment (please specify)	10.29%	7
Total		68

AND converting existing datasets to the new standard? Funding projection means funding assured for a specified term.

Answered: 69 Skipped: 325

Answer Choices	Responses
3 years funding projection	39.13% 27
5 years funding projection	27.54% 19
7 years funding projection	14.49% 10
Other/Comment (please specify)	18.84% 13
Total	69

Q51: Do you use or publish emergency response data?

Answered: 77 Skipped: 317

Answer Choices	Responses
Yes	37.66% 29
No	62.34% 48
Total	77

Q52: Does your organization provide emergency response data?

Answered: 104 Skipped: 290

Answer Choices	Responses
Yes	67.31% 70
No	32.69% 34
Total	104

Q53: Does your organization require timely emergency response data?

Answered: 104 Skipped: 290

Answer Choices	Responses
Yes	66.35% 69
No	33.65% 35
Total	104

Q54: Are you currently involved in emergency/disaster response activities?

Answered: 104 Skipped: 290

Answer Choices	Responses
Yes	54.81% 57
No	45.19% 47
Total	104

Q55: If so, what is your role?

Answered: 74 Skipped: 320

Answer Choices	Responses
First responder	6.76% 5
EOC / JFO	16.22% 12
Emergency manager	10.81% 8
Other /Comment (please specify)	66.22% 49
Total	74

Q56: When do you need data first/most critically during an emergency or disaster?

Answered: 83 Skipped: 311

Answer Choices	Responses
First 24 hours	77.11% 64
Two Days	12.05% 10
One week	10.84% 9
Total	83

Q57: If internet access is unavailable during an emergency or disaster, how do you currently access the data you need? (check all that apply)

Answered: 88 Skipped: 306

Answer Choices	Responses
Keep copy locally	79.55% 70
Do without/wait until internet is up	31.82% 28
Mail	12.50% 11
Hand delivery/physical drop off	32.95% 29
Other/Comment (please specify)	12.50% 11
Total Respondents: 88	