

MD iMap Technical Committee Meeting Minutes

Place: Department of the Environment (MDE): Meeting Room , 4th Floor (Baltimore, MD)
Date: 05/06/2014
Time: 1:00PM – 3:00 PM
Attendees: Ismaila Adebawale (Coppin State University), John Bocan (DoIT/MES), Ashley Buzzeo (CGIS), Jim Cannistra (MDP), Kevin Coyne (DNR), Kaushik Dutta (MDTA), Bill Fearington (DHR), Julia Fischer (DoIT), Dave Guignet (MDE), Barney Krucoff (DoIT), Lisa Lowe (DoIT), Kate Majchrzak (MDE), Katie Offerman (DNR), Russell Provost (DoIT/ESRGC), Frank Siano (MDE), Matt Sokol (DoIT), Mussie Tewolde (DJS) and Brad Wolters (DHCD)
Phone Attendees: --

AGENDA:

- Introductions 1:00 – 1:10
- MD iMap 2.0 Update 1:10 – 1:20
- Action Item Review 1:20 – 1:30
- WebApp Builder Demo – *MES* 1:30 – 1:50
- Template Options Discussion 1:50 – 2:00
- Data & Resources Subcommittee Updates 2:00 – 2:35
 - Joint D&R Subcommittee Meeting Recap – *Lisa Lowe*
 - Training TORFP – *Lisa Lowe*
 - Addressing Initiative Update – *Russell Provost*
 - Image Service Update – *CGIS*
 - Floodplain Map Update – *MDE/MES*
 - Centerlines Update – *SHA*
- Application Subcommittee Updates 2:35 – 2:45
- Outreach Subcommittee Updates 2:45 – 2:55
 - Website Changes Update – *Julia Fischer*
- Additional Business 2:55 – 3:00

Introductions

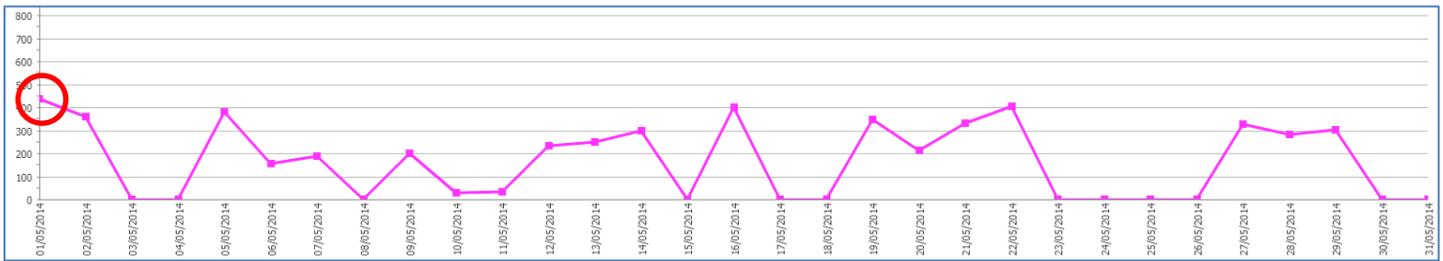
Round-the-room

MD ELA Statistics Update

Desktop License Statistics

- Total Users in May: 542
- Percent Change from April 2014: -5.24%
- Total Number of System Users: --
- Percent Change from April 2014: --

License usage peaked on May 1, 2014 with 436 concurrent licenses in use

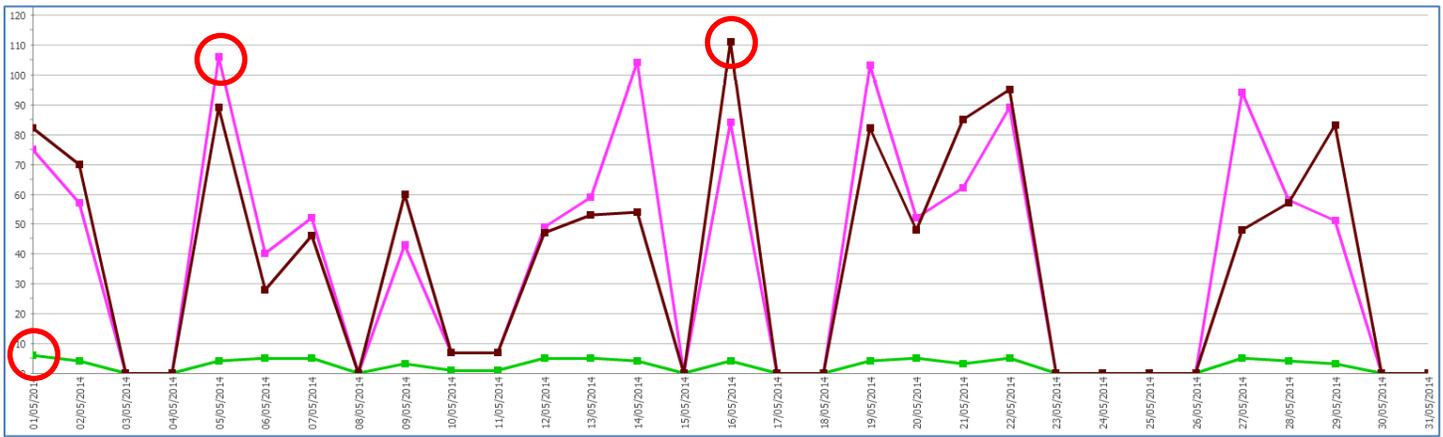


Aggregated license usage of ArcView, ArcEditor and ArcInfo



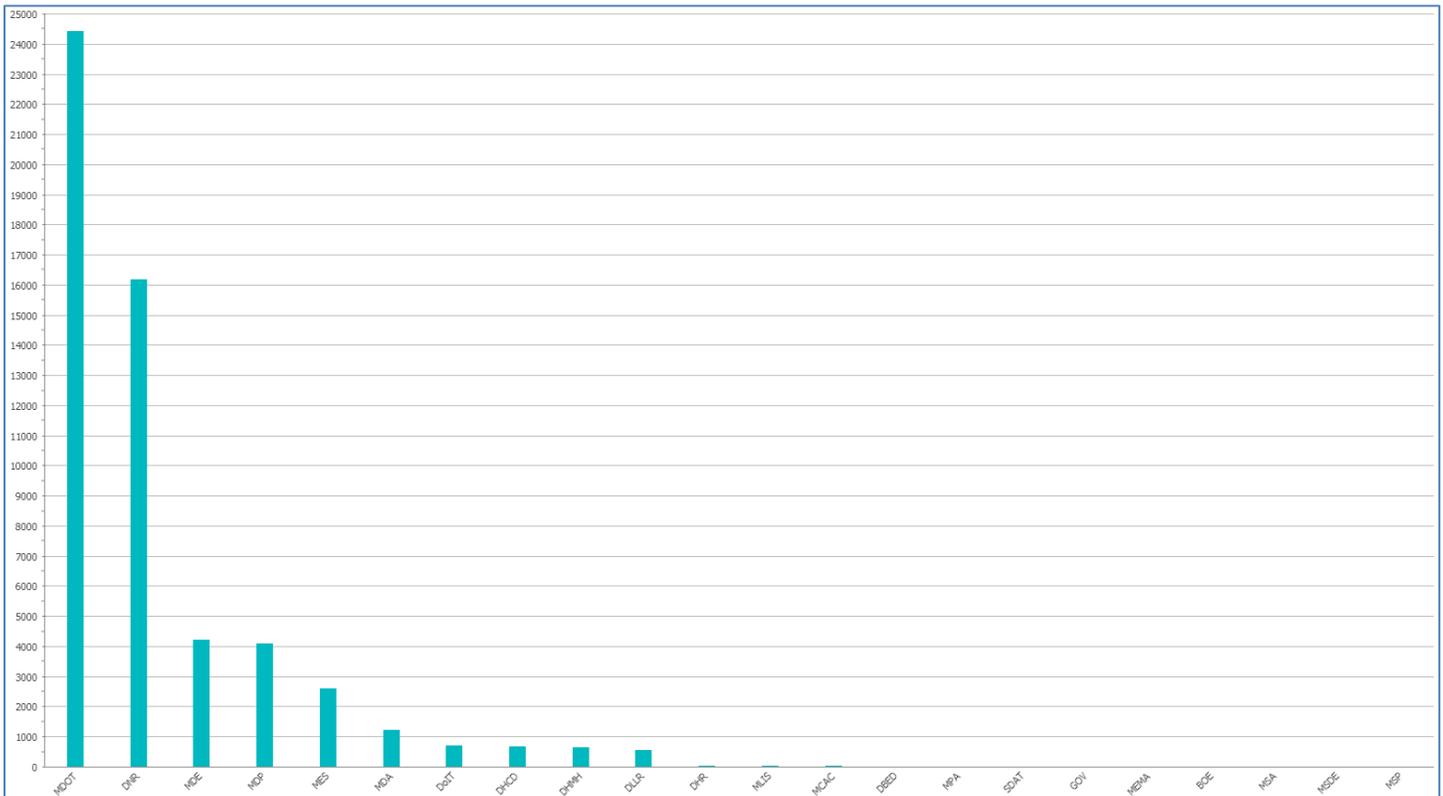
163
131
0
0
199
73
103
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106
15
15
101
117
162
0
199
0
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189
105
150
189
0
0
0
0
147
119
137
0
0

Breakdown of license usage for ArcView, ArcEditor and ArcInfo



- Max # of concurrent licenses for ArcView – May 16, 2014 with 111
- Max # of concurrent licenses for ArcEditor – May 1, 2014 with 6
- Max # of concurrent licenses for ArcInfo – May 5, 2014 with 106

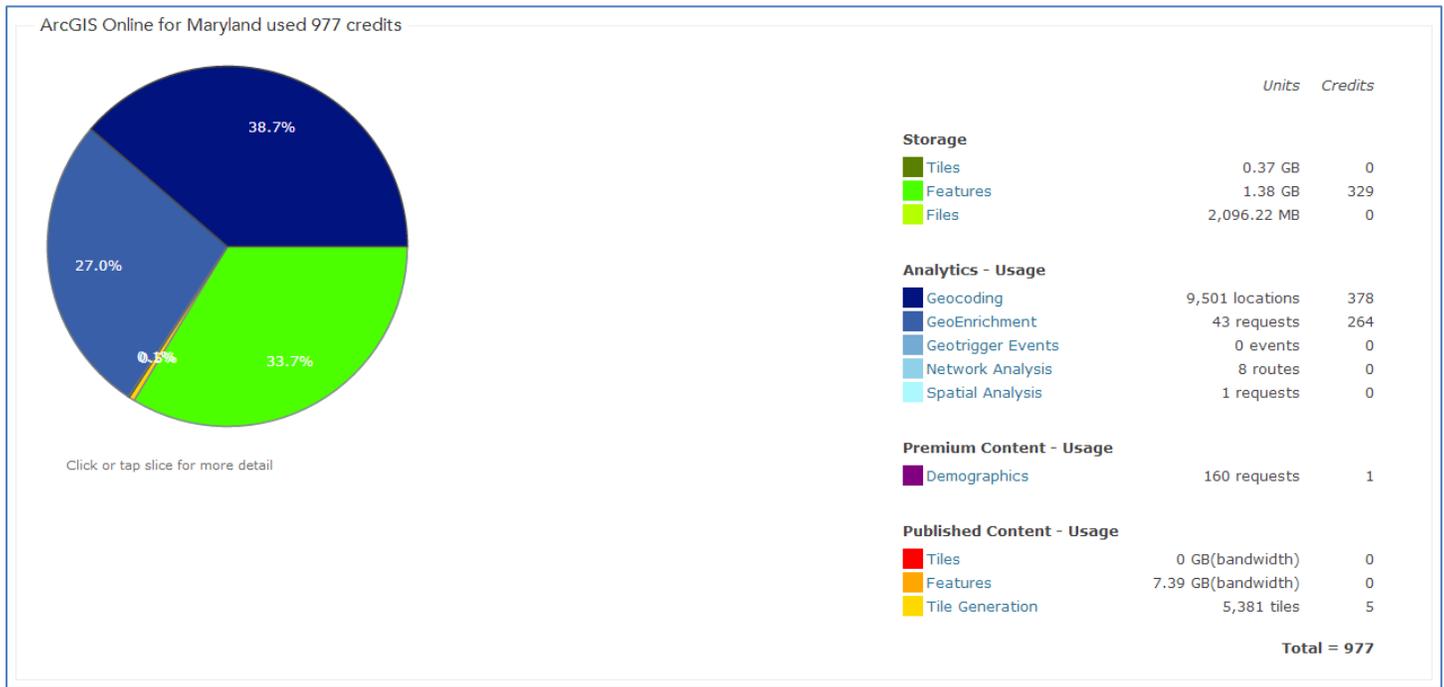
Breakdown of license usage (in hours) by Group/Agency



ArcGIS Online Statistics

- Total Number of Members as of May: --
- Percent Change from April 2014: --
- Total Credits Used in May: 977
- Percent Change from April 2014: -57.74%
- Total Credits Remaining: 24,646

Credit Usage for May 2014



Top 5 Credit Users for May 2014

NAME	AGENCY	# OF CONTRIBUTIONS
Brett Greenfield	DNR	21
Brad Wolters	DHCD	20
Ashley Herbert	MDE	15
Thomas Nasuta	MDE	13
Planning Data & Analysis	MDP	9

MD iMap 2.0 Update

- System is stood up on imap and appdata side
- DB up and running, beginning to load data
- Anticipate this taking 2 to 3 weeks
- Working out issues concerning service publishing
- Working with DoIT network folks to square away access issues
- Finalizing agency database capability, concept working now, figured out security protocols, working out username issues, last step is encrypting connection across SwGI, connecting through database
- Moving forward with stress testing and reconfiguring applications

Question: Need volunteers to test SwGI?

- Brad Wolters is willing to offer assistance to submit to database using ArcCatalog
- Regardless of agency, have to open standard SQL Server port in the firewall
- Knows it works, but will have to be adjusted on the firewall for each agency participating
- Matt to reach out to Brad in the near future about participating

Question: Over the next month to update data, MDP?

- By June 15th, no later than end of June, have drive with all parcel services, census, all MDP data to DoIT

- New data is the plan
- As soon as this is received we will load this data into the new system

Action Item Review

1) MD iMap Participation

- On-going action item, should we keep this open or should we close it
- Setup an upcoming meeting to discuss strategy for the future messaging and strategy for communications
- Obtain volunteers for this meeting and for this subcommittee

2) Metadata Services

- Part of the migration to 2.0 we have identified what metadata we do or do not have
- Plan is for the agency contacts in DoIT to reach out for missing metadata, while reaching out for missing data, new data, etc.
- Had joint meeting with MSGIC Data & Resources Subcommittee last Friday
- Working on trying to get missing metadata for the new MD iMap system

Question: Do we have a standard template?

- We have been working with developing an xml template, there are other discussions as to whether this would be useful
- Talked about minimum metadata standards, leaning toward ISO standards, but at a minimum want to see Description, Contact, Last Updated,
- NOAA has a list of core elements which we would like to consider mandatory
- Figure a lot of people are going to use ArcCatalog to fill in data, also talking about an online form
- Happy to take the full metadata, but really need the minimum requirements
- We don't have a current location for where the metadata will live and will be available for users to download
- Trying to streamline the workflow between entering on the Desktop side and getting it into AGOL/Open GIS Data

Question: Why are we considering moving to ISO?

- Leaning towards ISO
- This is being adopted by FGDC
- Considering putting together training session concerning metadata and understanding which standard to use
- Previous experience where should we go metric or stay with feet, went with the law and went to metric, were a stand-out, but what's the official standard is different than the market standard, but the market standard is key
- This is going to be an on-going conversation
- As long as we can import and export the way we can now, translate on the fly, we can accommodate both
- Don't see widespread of ISO yet
- MDP is going more towards the open data side and using all different formats for metadata
- Might use an intern to help write up the metadata into a standard format and submit
- Also talked about polling the State and Local agencies to see what metadata is being used in the community
- LiDAR data is FGDC, all imagery data is FGDC

3) Proactive Marketing of MD iMap

- This is tied into email, twitter and portal communication

4) Feedback/Requests Concerning MD iMap

- Jim Cannistra to look at the list and respond next month

5) Application Submission Procedures

- Erin Lesh has volunteered, check to see if they are still available
- Also check with Jessie Cahoon concerning point person

6) Twitter/Communication Plan

- Need to put together a plan
- Have been using GovDelivery for email distribution

7) REST Endpoint Service Description

- Close this item and new instructions will be provided

8) Oblique imagery inventory

- Received an updated map of what has been flown and where
- Few people have copies
- Something we can share, .pdf, shows dates and resolution

Action Item: Receive a copy from Jim for distribution

9) November is “Update...”

- Close this item
- Will go back to the rest of the action items next month
- All subcommittees, please update this relevant information so we can discuss in next monthly meeting
- We share with Jim Cannistra also

WebApp Builder Demo – MES / Template Options Discussion

- John Bocan working on the template, hope to have another group of updates soon
- Important update made on github recently for the Table of Contents
- Issues?, please download the latest version from github, updates also made to the Esri template
- About month ago went to Redlands and tested the beta of the WebApp Builder
- Similar to the MD iMap template, also still beta testing at DoIT
- For JavaScript, which has been long requested
- This is the different than the webmap builder in AGOL
- Tried to keep as simple as possible concerning the backend development language
- (use bootstrap, HTML,CSS and dojo framework)
- Maxed out the beta program, had to turn people away concerning participating, John is a beta tester still actively testing
- Ideally a live release will be in the 3rd quarter of this year, but taking time and care to develop something robust and strong, impressed so far

- Any users or developer must use IE 10.0 or above, developing with older versions of IE will have issues
- Works better in FireFox and Chrome and IE 10.0 and above
- Template has responsive design and works well on mobile devices
- Everything is developed off of the “stem widget” which maintains the responsiveness of the template
- Easy to configure out of the box, even for those who are not developers
- Beta already has a lot of capability, no freeze ups, no blue screens of death
- A lot of other beta reviewers have marked bugs with crashes, very happy with beta so far
- Number of available widgets are already impressive
- Ability to zoom to counties is available in both this template and MD iMap Template
- Print tool more robust than MD iMap template with ability to add title, multiple sizes and many format options
- Search tool need to configured, but straight forward
- Search tool and Query tool configurable out of the box, not sure what they are looking for in query language, few unexpected configuration requirements, which require additional research
- Ability to add themes and layouts, MD iMap template has more theme options, some themes leave things out on Esri
- “Configure the configuration” - can also design templates and match specifications of a particular group/agency and this can be done for multiple agencies
- Developer can custom design new widgets, use “stem widget” to keep responsive design intact
- Hope to include web forms and other locations to share the work of widgets by developers
- Does not allow for consuming REST endpoint services only, must have AGOL or ArcGIS Portal in order to use, fully integrated with these resources
- Needs to the webid in order to bring in the map
- A lot of discussion in the community, but Esri is sticking to their idea of keeping it in line with AGOL and ArcGIS Portal

Question: Can you get to the JavaScript?

- Brought up in Redlands and in other forums
- Specifically, Esri doesn’t support the idea of REST services involved with this
- However, it can be done by a developer, they can get around it
- Because the MD iMap template was developed off of Esri’s basic viewer, we were able to code that so you can bring in a REST service and it could also be done with this resource also
- Hope to have time to play with trying to bring a REST endpoint into a WebApp Builder application

Question: Might also be a pro

- An agency can publish off a server and register the service with AGOL
- One more step, but an important one, we can find the data in AGOL, common registry
- Can further MD iMap, but more difficult to do some of the things we do today like OSPREY
- If an AGS service is registered in AGOL, this will give it a webid and it can be consumed by the WebApp Builder

- This would be a con if you are trying to bring in data from non-State agencies, such as bringing in local data that has not been registered in AGOL, either MD's AGOL or the local's AGOL
- There are a number of widgets that the MD iMap template has available, but are not currently available in WebApp Builder, this would have to be redeveloped to add to the WebApp Builder
- Wouldn't want to do too much hard core development for the WebApp Builder, because still in flux

Question: How extensible is custom development?

- Easier than in the MD iMap template
- Depends on how much dojo someone knows, which is the main framework being used
- Participants of the training were able to make some really great widgets in a short period of time
- Would have to consider the long-term maintenance of the framework as those versions move forward, making AMD-compliant
- For Esri this would be maintained WebApp Builder versus have to be maintained in-house for MD iMap template
- Coming down the line is for 3D compliance, which would be included in the WebApp Builder down the line
- Searches are limited to 1,000, this can be offset in AGS, but still limited by WebApp Builder
- 204.145.182.26/AWAB is a location for samples of application with the WebApp Builder

Question: How much should we continue to develop the MD iMap template?

- Spend time at DHCD and see how much that has been developed with Geocortex can be replicated in WebApp Builder
- Follow up at next meeting
- How much additional investment should we make in our template, Geocortex?
- 3rd quarter really means the end of the year, doesn't make sense to spend too much time trying to figure this current resource, until final release is out and tested
- Should we stop developing our template? - we should invest a little bit more, we continue to incorporate active development, but don't see us equaling what the community and Esri can do
- How soon do we stop development on the template and how do we say it's done
- Perhaps we put a stop gap for now and continue to see how the WebApp Builder moves forward
- Beta 2.0 might be out before UC this summer and then have more people testing
- Esri is putting a lot of effort into this resource and it is here to stay
- Don't anticipate the underlying architecture will change that much
- For an application, using this resource can be done fairly quickly

Question: Is this an additional cost to use?

- No part of the AGOL membership

Data & Resources Subcommittee Updates

Joint D&R Subcommittee Meeting Recap – Lisa Lowe

- Discussed microsites for local government for Socrata
- Might like to see contours, impervious surfaces, best management practice locations, trail data, community names, subdivisions, school service areas, ortho photo collection blocks, government facilities and points of interest (Complete list from Lisa)
- Need to be clear on what points of interest mean
- Does MEMA have a file already for POI
- Questions about microsites: would users have to go to their local site directly?
- If data already exist somewhere else, would uploads be required in Socrata and other location or could they point to where it already exists within Socrata
- Not sure how they would go about implementing this, there is no information to date
- Use one county as a pilot

Question: Where did the layers suggestions come from?

- Came from everyone, but one 2 local representatives

Consolidated Datasets

- Mentioned a single spreadsheet of all fire stations and locals could contribute, edit data
- Same as the road that SHA is taking concerning the centerlines
- Wait to see how this proceeds

Standardize Symbology

- Will be broader and lengthier discussion in the future
- GDX has run into issues concerning size and scale already
- Have to consider when the symbols will be viewed
- Need to see what symbols can be consumed in different software
- Start by looking at standard symbols are being implemented, including at the federal level
- Might want to consider taking the lead from SHA concerning transportation symbols

Training TORFP – Lisa Lowe

- Working on for GIS Training for MD State employees and contractors
- Heads up
- Before finalizing contract, get thoughts on the type of training people want or would be useful
- Trying to open up the RFP, so that it does not limit the options
- 4 training courses, 1 to be online, most likely introduction focusing on MD iMap and Maryland related data
- Another would be classroom training which would be introduction to desktop and AGOL
- Some other courses which would be more advanced

Question: Would there be CEP or PDU or other certifications that can be made available as a result of the training?

- Will have to look into this

Question: What is the nature?

- The RFP is structured so a firm will win it and they will have a few different skills, building content and an instructor, develop 4 courses, leave behind the instructor and we run the classes out of DoIT and could also be run out of other training rooms
- Mass market within State employees, not too many advanced classes, these will be used to expose users to using MD iMap and taking advantage
- Each class is offered 4 days a month, maybe available full-time to become like a help desk for specific software/user issues, users will get to know this person

Question: There are several people new to GIS?

- Not just centered on MD iMap, but Desktop
- One course would be a Desktop course and would use MD data, instead of using Esri data
- Getting a lot of requests from users as to whether training is being offered
- A basic AGOL training would be valuable, rather than MD iMap specifically, using our data
- When you leave the class you have an account with AGOL and you know where to find MD data, other information that is generally applicable
- Need at MDE, MDP and DNR to date
- Plan is to work with the Technical Committee to finalize the content for these courses

Question: Is there a way to make this mandatory?

- Something very quick to get people a brief overview of what is available and what can be done
- Perhaps a brief video or some kind of messaging to the larger audience

Question: Timetable?

- Summer

Addressing Initiative Update – *Russell Provost*

- April's data has been updated and reflected in geocoder and extraction application
- Moving to quarterly update, next update will be July
- Added City of Laurel to dataset
- Received PG County, half the county, all the data that was available
- Working next week to process this new data and get it into the statewide file

Question: Have there been other requests for https version of the geocoder?

- Want to call geocoder from within WebEOC, which is behind https because calling an unsecure web service
- Can respond by adjusting the proxy server at the local agency
- Is this a systemic need?
- What does it entail to make this available to the user community?

- Perhaps 2 versions which meet these different needs can be explored
- No Esri metadata standard, format only from which multiple standards can be extracted
- Core elements of ISO standard and help navigate people to make sure this is in the Esri format, this might be worth looking into, in case we might want to harvest this data later

Composite Locator Update – CGIS

- Whenever address point updates occur the composite locator is updated also
- Now collecting address points and centerlines together using the same ftp
- Had some issues with the ftp and working with some counties to get them reconnected

Image Service Update – CGIS

- Recaching the services, which remain to be moved to WebMercator
- Creating compact service caches
- Once completed, the cache will be transferred to DoIT to stand up on the new servers
- One image service with the newest data included
- Image service will only extract 3 bans, can't get the 4th ban from the image service
- Also can't get a large area from the image service

Floodplain Map Update – MDE/MES

- Servers moving forward, SQL installed, in touch with Esri to discuss migrating from 9.3.1 to 10.2.1, indicated there shouldn't be issues
- Cleaning up internal data before migration and over next couple of week should have AGS and SDE up and running
- Some apps are not compatible with 10.2.1 Desktop users, working this out with MES
- Decide where the final resting place for the floodplain application, from these results
- 2 versions at this time, the old version and the version with the MD iMap template
- Going to go to the Eastern Shore and talk about floodplains on May 21st a Eastern Shore joint meeting
- Debate about who will be hosting the service, the data will be at MDE and expect the service will be hosted at MDE
- Interested in seeing floodplains and proof floodplains, a user agency would prefer it to be on MD iMap, Q3 where available, advisory where available, final approved where available
- Can see the Q3 data as paper image on either website, not a legal document
- Worked out a solution, by not publishing anything else forces people to the Q3
- Where is the legal floodplain going to be published, except where we don't have and advisory
- Preliminary floodplain where we have it, the best legal available and the best engineering available and sometimes the best engineering isn't legal yet
- Must label these well, otherwise people will continue to go to Q3 for those resources and this is not what we want
- See Q3s where there isn't something better

- Also starting to see looking at the new LiDAR data, storm surge, sea level rise and want to see the floodplains, Q3 is pretty close to the LiDAR data
- Only have 2 counties where they don't have preliminary and these are where Q3 will exist

Centerlines Update – SHA

- Close on the software procurement of Roads and Highways
- Gone to a lot of agencies to receive feedback, met with MDTA about the roads they maintain

GIS-T Conference (May 4 – 8)

- Marshall Stevenson and Erin Lesh to attend
- Will be meeting with several other state DOTs about centerlines
- Will be meeting with WV DOT and PennDOT about edge-matching across state boundaries to create a regional, collaborative, seamless centerline (already working with DelDOT, DDOT and VDOT)
- Will be meeting with the National Esri Roads and Highways User Group
- Working with FHWA (Fed Highway) to create specifications for ARNOLD (All Roads Network Of Linear-referenced Data)
- New requirements for reporting on all public roads as part of the annual HPMS reporting mandated under MAP-21
- Still trying to procure Esri Roads and Highway

One Maryland One Centerline

- Still doing initial outreach meetings with Maryland counties
 - Allegany – 6/15/14
 - Anne Arundel – Complete
 - Baltimore – Complete
 - Baltimore City – Need Scheduled
 - Calvert – Complete
 - Caroline – Complete
 - Carroll – 5/1/14
 - Cecil – 5/29/14
 - Charles – Complete
 - Dorchester – Complete
 - Frederick – Complete
 - Garrett – Complete
 - Harford – Complete
 - Howard – Complete
 - Kent – Need Scheduled
 - Montgomery – Need Scheduled
 - Prince George's – Complete
 - Queen Anne's – Complete
 - Somerset – Need Scheduled
 - St. Mary's – Complete
 - Talbot – Need Scheduled
 - Washington – Complete
 - Wicomico – Need Scheduled
 - Worcester – Complete
- Several counties have expressed interest in SHA forming a working group to discuss standards/recommendations for centerline cartography and attribution
 - SHA is thinking about forming this group once we've done initial outreach to all counties
- Will be creating a Road Closures application for locals and the State to submit authoritative closure data
 - Emphasize that SHA cannot be responsible for submitting closures of local roads

Outreach Subcommittee Updates

Website Changes Update – *Julia Fischer*

- Behind schedule because of Esri
- Tomorrow meeting SigmaSpace on technology flashlight, Maryland-based company is pushing hard for
- Meeting for next Wednesday with DBED Sec and MDP Sec and some other cabinet secretaries
- Tomorrow is the technical meeting and the executive meeting is setup for next week
- DNR has seen the presentation and has not been putting much into the potential option
- Hard to justify the additional expense to the slightly different technology
- We need to market our LiDAR site and show this to the group, we have more LiDAR then we use already

Additional Business

None at this time

Next MD iMAP Technical Committee Meeting – June 3, 2014