

MD iMap Technical Committee Meeting Minutes

Place: Department of the Environment (MDE): Terra Room (Baltimore, MD)
Date: 11/5/13
Time: 1:00PM – 3:00 PM
Attendees: Rowland Agbede (MDA), Michael Bentivegna (CGIS), Ashley Buzzeo (CGIS), Kevin Coyne (DNR), Julia Fischer (DoIT), Dave Guignet (MDE), Mike Herzberger (MES), Renee King (MDP), Barney Krucoff (DoIT), Erin Lesh (SHA), Lisa Lowe (DoIT), Graham Petto (MDP), Frank Siano (MDE) and Marshall Stevenson (SHA)
Phone Attendees: Mary Buffington (ESRGC), Kaushik Dutta (MDTA), Mara Kaminowitz (BMC) and Brad Wolters (DHCD)

AGENDA:

- Introductions 1:00 – 1:10
- MD ELA Statistics Update 1:10 – 1:20
- Data & Resources Subcommittee Updates 1:20 – 2:30
 - Addressing Initiative – *Russell Provost*
 - Geocoder Update
 - DFIRM Data Integration Update – *Barney Krucoff*
 - 2013 Eastern Shore Imagery Status Update – *Jim Cannistra*
 - Centerlines Update – *Erin Lesh*
 - MD iMap KML Services Issues – *Kaushik Dutta*
 - November is “Update the GIS Inventory” Month
- Application Subcommittee Updates 2:30 – 2:40
 - Smart, Green and Growing Update – *Lisa Lowe*
- Outreach Subcommittee Updates 2:40 – 2:50
 - Website Updates – *Julia Fischer*
- Additional Business 2:50 – 3:00

NEW ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
MD iMap KML Services Issues <ul style="list-style-type: none"> MDP will look into this and get back to the group 	Submitted: 11/5/13	Jim Cannistra
November is "Update the GIS Inventory" Month <ul style="list-style-type: none"> Obtain from Ashley Buzzeo some wording to message out to the GIS community 	Submitted: 11/5/13	Julia Fischer

ON-GOING ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
REST Endpoint Service Descriptions <ul style="list-style-type: none"> Any changes that need to be made to these descriptions or legends should be submitted to Ashley Buzzeo 	Submitted: 12/20/11	MD iMap Service Data Owners

APPLICATION SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
How to consume Socrata services in MD iMap <ul style="list-style-type: none"> Update on page 11 Python script being coded and tested on some transportation and MDA data which has been uploaded to Socrata, more details to follow Test the potential for automated updates using available .xml feeds or other resources out of Socrata and report back to the group 	Updated: 5/7/13 2/5/13 Submitted: 1/15/13	Kristen Ahearn, Kaushik Dutta & Jason Keppler
Application Submission Procedures <ul style="list-style-type: none"> Update on page 12 Update detailed procedures for application creation and update Resend Application Submission Procedures draft to Technical Committee (Co-chairs) 	Updated: 5/7/13 Submitted: 6/21/11	Technical Committee

DATA & RESOURCES SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Feedback/Requests concerning MD iMap <ul style="list-style-type: none"> Updates on page 12 Statewide tax map service being developed by MDP – will be made available on MD iMap in future PFA map service now includes a field "State Eligible" w/ Yes or No Look to obtain most recent statewide DEM from Salisbury and discuss effort/timeline for generating hillshade and getting posted Still updating Add Plat # to parcel Maybe add address 	Updated: 5/7/13 9/4/12 3/23/12 10/4/11 Submitted: 6/7/11	Jim Cannistra

<ul style="list-style-type: none"> • Add PFA in/out: resistance to this update • Check for hillshade, which can be added as map service, @ MDP • Add Hillshade Service: Inquire at DNR if they have a hillshade available – to check • Add Map/Parcel ID Look-Up: Follow up with requestor (Jason Zhao – MDE) to clarify request 		
<p>Metadata Services</p> <ul style="list-style-type: none"> • Forward electronic list to group • Updated list to be provided by Friday, 1/7/2011 • Updated list to be provided at 1/4/2011 meeting • Remaining “offenders” actively being pursued • Resend email to “offenders” to complete metadata • Email resent and follow-up by Kenny Miller to occur • MDP has provided metadata for all their services on MD iMap • Follow-up concerning how to obtain the missing metadata for services currently being hosted on MD iMap • Email sent to Kenny • Agency leads from Tech. Comm. to make progress <ul style="list-style-type: none"> ○ Direct contact of data owners • A listing of services for which metadata is needed was provided. It was discussed that some metadata may not be available from the data producers. This is especially true for parcel data. Metadata at the service level will be written by MDP for parcel data to go along with the MD iMap refresh process 	<p>Updated:</p> <p>1/18/11 1/4/11 12/21/10 10/5/10 8/3/10 7/12/10 6/22/10 5/18/10</p> <p>Submitted: 4/20/10</p>	<p>Data & Resources Subcommittee Co-chairs</p>

OUTREACH SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
<p>Twitter/Communication Plan</p> <ul style="list-style-type: none"> • List of every CIO for inclusion on email alerts 	<p>Submitted: 11/15/11</p>	<p>GIO</p>
<ul style="list-style-type: none"> • Recruit participants • Obtain feedback concerning how to improve upon current outreach strategies • Email potential new members directly 	<p>Updated: 5/18/10 4/20/10</p> <p>Submitted: 3/16/10</p>	<p>Outreach Subcommittee</p>
<ul style="list-style-type: none"> • Proactive Marketing of MD iMap 	<p>Submitted: 9/21/10</p>	<p>Outreach Subcommittee</p>

COMPLETED ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
<p>NSGIC GMA Documentation</p> <ul style="list-style-type: none"> • Share survey link with the group and solicit comments 	<p>Submitted: 10/1/13</p>	<p>Julia Fischer</p>

<p>Geocortex</p> <ul style="list-style-type: none"> • Update on page 11 • Request DoIT contractors explore and report back to the group concerning the raw code and opportunities for modification 	<p>Updated: 5/7/13</p> <p>Submitted: 1/15/13</p>	<p>GIO Office</p>
<p>Data and Resources Subcommittee Meeting Agenda</p> <ul style="list-style-type: none"> • Add discussion of future geocoders to the agenda for the Data and Resources Subcommittee meeting agenda • Add grid maps discussion to the Data and Resources Subcommittee meeting agenda 	<p>Submitted: 10/1/13</p>	<p>Lisa Lowe</p>
<p>Cascading Geocoder Discussion</p> <ul style="list-style-type: none"> • Provide status concerning getting the address points into the geocoder • Add city field in the centerline geocoder and not resolve the 27% missing city attribute • Coordinate with DoIT/GIO Office to test geocoder once additional information is added 	<p>Submitted: 10/1/13</p>	<p>CGIS</p>
<p>WFS-Enabled OSPREY Services</p> <ul style="list-style-type: none"> • Update on page 12 • Instructions and list of available WFS-enabled services to be added to Portal early September • Ownership in question • Follow up with owners of OSPREY data to determine if layers can be WFS-enabled 	<p>Updated: 5/7/13</p> <p>9/4/12</p> <p>3/23/12</p> <p>Submitted: 12/6/11</p>	<p>Kenny Miller</p>

Introductions

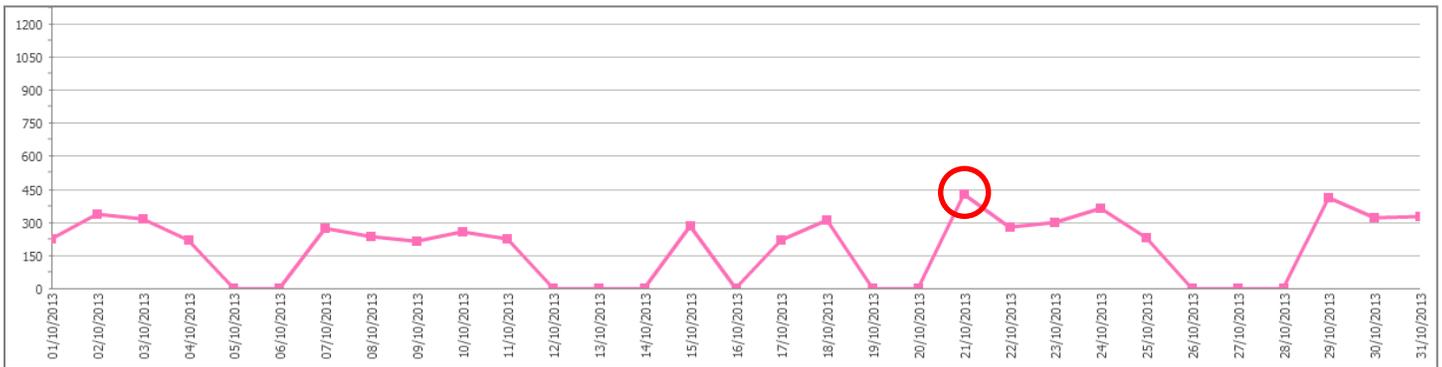
Round-the-room

MD ELA Statistics Update

Desktop License Statistics

- Total Users in October: 469
- Percent Change from September 2013: +7.8%
- Total Number of System Users: 876
 - Maryland Department of Transportation (MDOT) – 229
 - Maryland Department of Natural Resources (DNR) – 184
 - Maryland Department of the Environment (MDE) – 78
 - Maryland Department of Health and Mental Hygiene (DHMH) – 55
 - Maryland Department of Agriculture (MDA) – 50
 - Maryland Department of Planning (MDP) – 46
 - Maryland Legislative Services (MLIS) – 34
 - Other – 42
 - Unidentified – 157
- Percent Change from September: +6.8%

License usage peaked on October 21, 2013 with 425 concurrent licenses in use

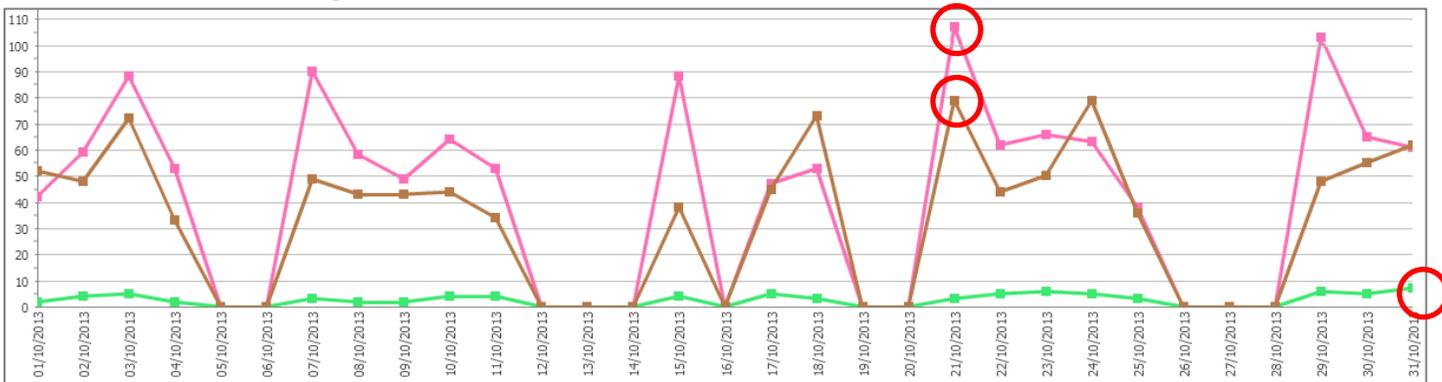


Aggregated license usage of ArcView, ArcEditor and ArcInfo



96 111 165 88 0 0 142 103 94 112 91 0 0 0 130 0 97 129 0 0 189 111 122 147 77 0 0 0 157 125 130

Breakdown of license usage for ArcView, ArcEditor and ArcInfo

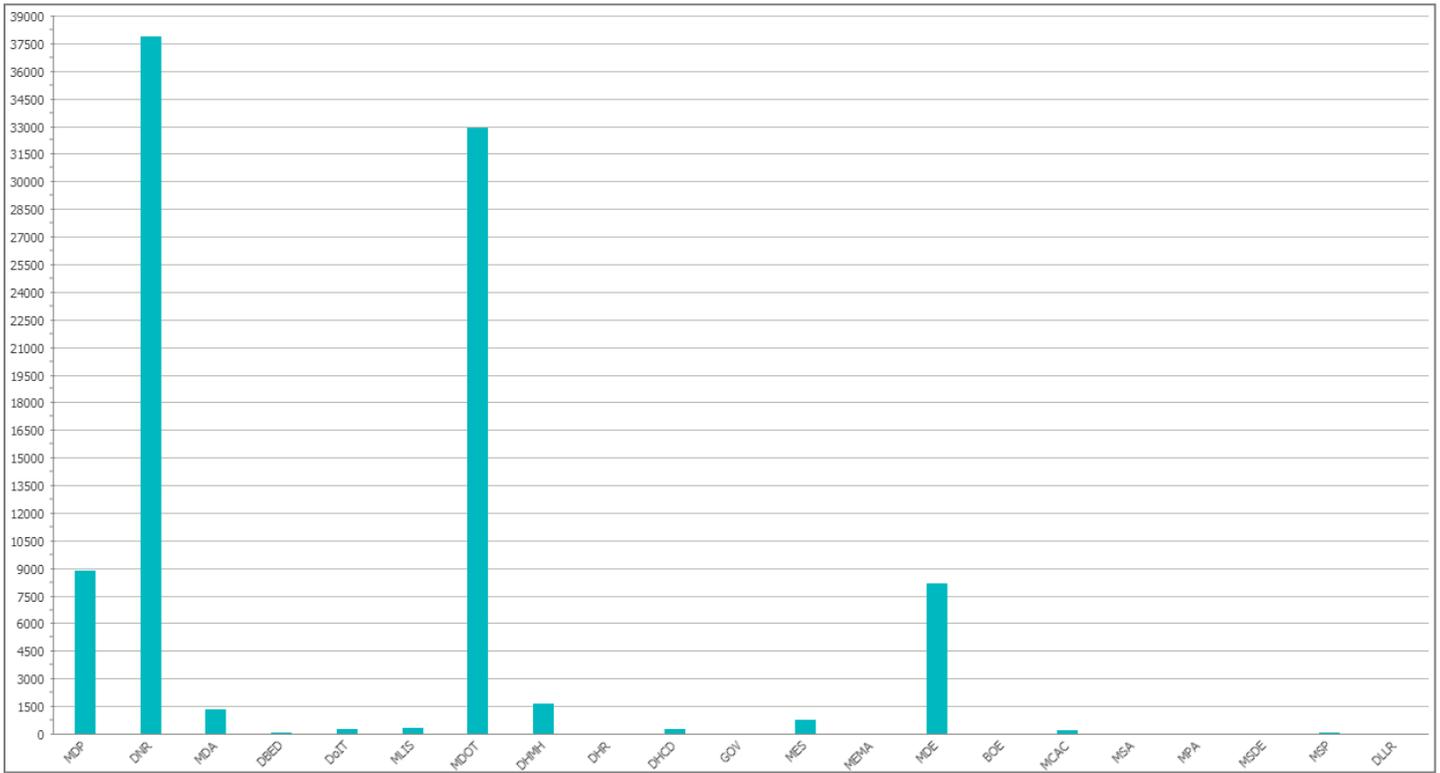


Max # of concurrent licenses for ArcView – October 21 & 24, 2013 with 79

Max # of concurrent licenses for ArcEditor – October 31, 2013 with 7

Max # of concurrent licenses for ArcInfo – October 21, 2013 with 107

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

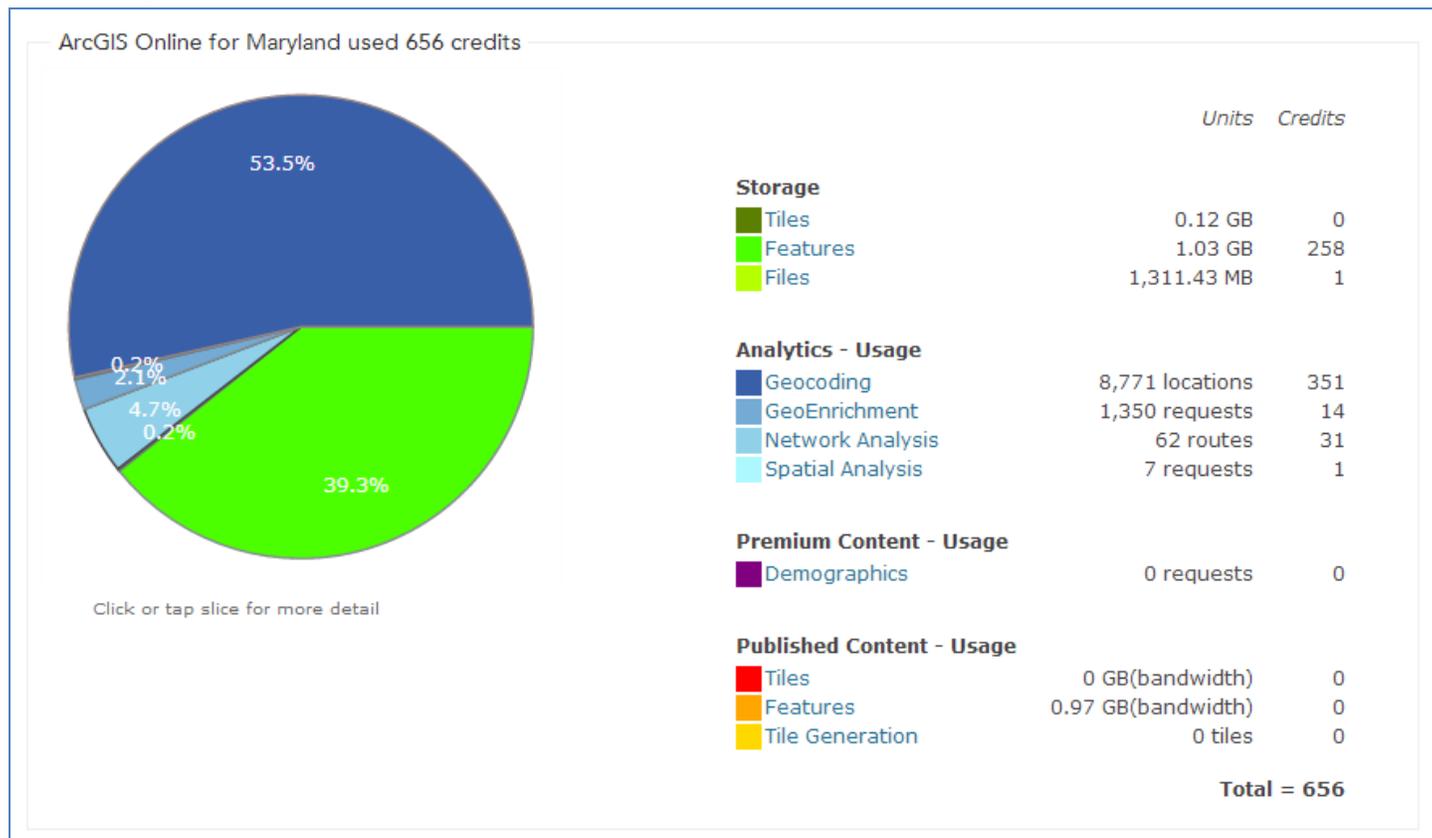


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ArcGIS Online Statistics

- Total Number of Members as of October: 267
- Percent Change from September 2013: +6.8%
- Total Credits Used in October: 656
- Percent Change from September 2013: -8.12%
- Total Credits Remaining: 35,904

Credit Usage for October 2013



- Recommend passing OpenLM user identification responsibilities to CGIS
- Using OpenLM to try to track those who are using the check-out feature
- Talking about using the appropriate license level of Desktop software
- Working on an executable which require users to choose which license level of Desktop they would like to use for each individual session
 - Would default to ArcView
 - Ideally, this would limit use of ArcInfo to sessions which require higher license level tools
- Might consider that most users will always choose the highest license level regardless of the option, which would always provide access to any tools they may or may not need
- Have requested that agencies manage their own user in the past and have run into issues when a user, without administrative privileges has needed to change licensing levels
- Potential that switching licensing levels for versions 10.1 and above do not require administrative privileges
- Can also use the OpenLM software to track users and manage license level usage at the user level

Question: Will agencies be negatively impacted for using a higher level of Desktop licensing than is needed?

- We are not trying to run a charge back model
- Tracking is used to get good data on what we really need so we can renegotiate the ELA consciously
- An entire presentation has been prepared concerning the costs that would need to be negotiated with Esri in the future
(http://imap.maryland.gov/Documents/MDiMapExecutiveCommittee/Presentations/Presentations_09132013/OneYearToGoInEsriELABasePeriod_09132013.pdf)
- Maryland would be paying over \$117,000 less with ELA than if we purchased and deployed individually
- At this time, we are probably underusing ArcGIS Online, but this utilization is growing
- The ELA is seen as a good deal for now and we expect to exercise the two 1-year contract options

Data & Resources Subcommittee Updates

Addressing Initiative – *Russell Provost*

- ETL development started this week at CGIS and will be similar to how the centerlines are generated for feeding the geocoder
- Some preprocessing that needs to be done to each county's data, including setting up individual scripts and running scripts and post processing once in one file, adding ZIP codes, etc.
- Working to finalize BMC replication process, augmenting BMC's and DoIT's business needs
- The idea is for BMC to replicate the entire footprint already in the State standard
- BMC will work on their counties and both will be merged together to create the statewide file
- BMC is just obtaining the data this week
- Russell Provost and Mara Kaminowitz are working on replication, working on smoothing over replication issues with jurisdictions
- First official call for points is on November 10th and anticipate having something between the 15th and the 20th to send to Russell
- Fixed data extraction website could not previously extract data via the buffer for Baltimore City, but has been fixed
- Currently processing Baltimore County and Harford County points which were recent submissions
- Debbie Carpenter from Garrett County has agreed to attempt replication between her county and DoIT
- Census is now openly talking about a National Address Database
 - They are currently working to get buy-in from other Federal departments
 - Something to keep on the radar

Geocoder Update

- Local address point data is now in the geocoder
- The geocoder will search the local address points first and bring back the highest percentage match
- Changes have been made and new layer is accessible from the desktop and website interfaces
- Going back to Esri to discuss making the State geocoder the default geocoder for AGOL account

- Geocoding is the #1 user to credits in AGOL
- Want to also make sure that other geocoders are available, as secondary geocoders, for those who need to geocode outside of Maryland
- No updates yet concerning this integration

Update: Esri has indicated that the December 2013 release of AGOL will allow for a local geocoder to replace Esri's geocoder. However, only 1 geocoder will be accessible through the AGOL interface.

- We have talked about adding a feedback loop to correct the data in the geocoder, as well as provide feedback to the locals who are contributing the data
- Want to put together a form

Update: A form has been assembled and sent to DoIT Web Team for development and deployment from the Portal website. Deadline for deployment TBD.

DFIRM Data Integration Update – *Barney Krucoff*

- MDE plans to serve the data on their local servers and will update on a monthly basis
- The data is out there, but is not yet ready for distribution
- Reminder is that the nature of this data means it is constantly changing
- MDE floodmaps.org, .com or .net can be used to get information about when the data will come online
- Howard County's DFIRM data to become effective next week
- MDE is currently running ArcGIS Server 9.3.1 and working to get new service up and running
 - New servers will be running within the next month
 - New servers will be running ArcGIS Server version 10.1 with SDE
 - The DFIRM layer is on the list to be one of the first data layers to go live on the new system
- Anticipate getting everything up and available by early to mid-December

Question: Will data be available for download?

- The category of effective data is available on the MDE site and is the only data available for download
- As soon as the data goes live, OSPREY services will be scheduled to switch to the new services in 30 days
 - Notifications will be sent to switch from OSPREY services to the new services
- The Search function on Portal only searches data on the existing MD iMap infrastructure
- Most MD iMap services are not currently registered in ArcGIS Online
- New task at CGIS is to replace the Search function on Portal with registered services through AGOL
- Additionally, applications will be registered with AGOL and the gallery under the Online Maps tab will also be replaced with functionality through AGOL
- This will allow for data to be available from both the Portal and AGOL through a single upload action
- Several months to go before this is rolled out
- Will also be working to get Portal into the new State website template

2013 Eastern Shore Imagery Status Update – *Graham Petto and Renee King*

- Image production and the independent QC is complete
- Currently in the process of finalizing the imagery and distributing it to the counties
- Will follow up with distributing the data to PSAPs after initial distribution to the counties is completed

- Imagery map services has been updated for Howard County, Southern and Central Eastern Shore
- RFP has been initiated for the next round of imagery collection
 - There are many buy-up options available to interested parties
 - Proposals are due in late November

Question: If imagery is needed for processing, can the raw imagery be obtained?

- Will check with Jim Cannistra concerning the specifics of this request

Question: Was there a grid for the imagery tiles?

- Is this available and a service has been created

Question: Are there going to be services made specifically for the fly periods?

- Anticipate considerations for hosting each year's collected imagery in separate services
 - A number of agencies have need for access to previous data
 - Consider adding a hidden grid which allows for determining what years of imagery are available for a specific grid
 - Would there be a way to make the raw data readily available?

Centerlines Update – *Erin Lesh*

- The project has 3 overall goals:
 - Meeting new requirements for the next Federal submission
 - Linear referencing system will be updated with all of the local roads in Maryland
 - Driving all dual carriageways to inventory both sides of the road to obtain more accurate mileages
 - Automating the local road improvement process
 - Contact locals on mileage changes
 - Changes in ownership or maintenance each year
 - Looking at Esri Roads and Highways for the new processing
 - Still using paper process and want to automate the updating in the future
 - Still trying to procure Roads and Highways, goes before Public Works this month
 - Shared centerline, authoritative data being mashed up
 - Still in the planning phase of this process
 - Want to include local and regional partners
- Presented at NSGIC last week and will also be presenting at Tri-County Council meeting tomorrow
- Will meet with Baltimore and Frederick Counties soon to get ideas on how to work with other local jurisdictions in the process moving forward
- Working with BMC, Russell Provost, Kenny Miller and Barney Krucoff in the GIO Office about working the with local jointly, asking for the same data, the same way and consolidate data requests
- A new Roads and Highways User Group partly made up of State DOTs
 - Creating a regional centerline as part of a steering committee
 - Got the attend of Esri, Census and plan to have them attend upcoming meeting
- Presented at MSGIC Quarterly and threw out the date of the November 19th webinar, which had to be moved to the 18th
 - Esri will send out the official invite either today or tomorrow

UPDATE: The webinar has been moved again to November 22 from 10a.m. – Noon

- Sent content to Julia Fischer, concerning this project, for inclusion on the Portal
- Have draft content for SHA's external website to keep people informed on the program
- Asked and received Unmanned Aerial Systems (UAS) portion of the Sanborn Workshop at NSGIC
 - Presentation to be posted on the MSGIC website, in the presentation archive section
- DC, DE and VA have already procured Roads and Highways and are using Esri as a central way to conduct edge-matching and coordination amongst these jurisdictions
- Trying to get integration with addressing using this product
 - Census is the ultimate goal and right now has a completely separate process
- Anticipate Roads and Highway product really taking off in the next 6 – 9 months
- Need to provide feedback to the larger NSGIC group
 - Helps because of the State's close proximity to D.C. and the Federal government

MD iMap KML Services Issues – *Kaushik Dutta*

- Jeremy Monn (CGIS) is working on-site at MDTA on this issue
- KML service for parcels is not consistent across the State
 - Some parcels in Frederick County are showing up, but not able to see them west or east of that area
- This the reason is because previously the services was done as individual counties and now it is composite of the entire State
- To clarify, there is an arbitrary boundary where the parcels have stopped showing up
- Started occurring after the most recent update, but was working in the past

Action Item: MDP will look into this and get back to the group – Jim Cannistra

- Another KML service which is having issues is the snow prediction layer, which will be needed soon
- Currently the model, which is part of OSPREY, is not running
- Available as a map service and will be taking down the real-time service
 - In the process of adjusting the data from NOAA
 - Will stop in the near future and obtain from NOAA directly
- Dropping some of the real-time services at MEMA and will also be dropped from MD iMap
 - Notifications will be provided and information on replacement services will be messaged out
- All the real-time services are being rewritten and notification mechanisms are being written when they are not updating properly or they are out-of-date, which will shoot an email to a responder for attention

November is “Update the GIS Inventory” Month

Action Item: Obtain from Ashley Buzzeo some wording to message out to the GIS community – Julia Fischer

Question: What is the status of sharing SHA Grid maps with MD iMap?

- These maps are 1:100,000
- As base maps they would only be good for at scale because they are coming from static maps
- Black and white maps with annotation at various levels
- Cached at different scale levels than MD iMap, levels that meet the needs of Engineers in the SHA shop
- Will put this topic back to the Data and Resources Subcommittee for discussion at a future meeting

Application Subcommittee Updates

Smart, Green and Growing Updates – *Lisa Lowe*

- New website has been launched (<http://green.maryland.gov/>)
- New Atlas has been developed and is prominently accessible on the homepage of the website
- All of the maps under the SGG program have been consolidated into the left side accordion
- AgPrint and GrowthPrint are maintained by MDP and provide webmap ids that integrate into the Atlas
- There is still a bug in the template that occurs when data is grouped
 - A work around has been found and this fix is in the list for future updates to the template
- Currently tweaking the Add Data categories and data which is going into these layers
- Adding more layers to the default maps and including a “How To” for users who are new to the map
- Continue to make changes, as needed and still some bugs need to be fixed
- GrowthPrint is going through a major transformation and the layers are actively being edited
 - Currently consuming a working service, once work is finalized, a service will be sent to MD iMap
- MDP noticed that one of the other layers being consumed is from MD iMap and should be switched to MDP service for a more up-to-date and accurate service
- There are currently separate pages for these individual applications on various agency websites
 - Eventually these will be replaced by the SGG Atlas, displaying the appropriate map from one source
- Have to determine the workflow for when the separate maps will be replaced by those in SGG Atlas

- Want to capture feedback from end users on this application
 - For example: suspect data, broken functionality, etc.
 - Suggest putting a feedback button in the template, so this would be distributed as an option for all apps

Other Applications

- Flood Risk Application is using the State template
 - Working on the message for application
- Water Registry Application is using the State template
- OSPREY Dashboard was soft launched and on MEMA’s website
- Governor has stated that he will be using this Dashboard along with some others to manage the next emergency
 - Internal Dashboard will launch to a time aware map, rather than the colors which are used to show change on the external Dashboard
 - Will be tracking previous feeds, so changes can be tracked from previous events to predict future events
 - This functionality will be internal to MEMA