

MD iMap Technical Committee Meeting Minutes

Place: Department of the Environment (MDE): Terra Room (Baltimore, MD)
Date: 9/3/13
Time: 1:00PM – 3:00 PM
Attendees: Rowland Agbede (MDA), Michael Bentivegna (CGIS), Andrew Bernish (MDP), Jessie Cahoon (MES), Jim Cannistra (MDP), Kevin Coyne (DNR), Kaushik Dutta (MDTA), Bill Fearrington (DHR), Julia Fischer (DoIT), Dave Guignet (MDE), Mark Helmken (CGIS), Jason Keppler (DoIT), Renee King (MDP), Barney Krucoff (DoIT), Lisa Lowe (DoIT), Kate Majchrzak (MDE), Kenny Miller (DoIT), Tom Nasuta (MDE), Frank Siano (MDE) and Mussie Tewolde (DJS),
Phone Attendees: Kristen Ahearn (GOV), Ashley Buzzeo (CGIS), Erin Lesh (SHA), Erick Pate (Calvert County) and Doug Reedy (Frederick County)

AGENDA:

- Introductions 1:00 – 1:10
- MD ELA Statistics Update 1:10 – 1:20
- Data & Resources Subcommittee Updates 1:20 – 1:50
 - Addressing Initiative
 - DFIRM Data Integration with MD iMap – *Barney Krucoff*
 - 2013 Eastern Shore Imagery Status Update – *Jim Cannistra*
- Application Subcommittee Updates 1:50 – 2:20
 - MD iMap Application Template Update – *Jessie Cahoon*
 - Smart, Green and Growing Atlas Demo/Discussion
 - Launch of New Emergency Management Resources
 - Mobile Application Inventory (Complete & Planned)
- Outreach Subcommittee Updates 2:20 – 2:30
- Google Enterprise Demo – *Kaushik Dutta* 2:30 – 2:50
- Additional Business 2:40 – 3:00

NEW ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
ELA Statistics <ul style="list-style-type: none"> • Share breakdown of MDOT by modules and provide to Kaushik Dutta • Provide aggregated numbers concerning usage of three main license categories (ArcInfo, ArcEditor and ArcView) 	Submitted: 9/3/13	Julia Fischer

ON-GOING ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
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APPLICATION SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
USDOT Cloud Utilization Survey <ul style="list-style-type: none"> • Update on page 11 • USDOT has been briefed • Mike Sheffer and Kaushik Dutta to attend a USDOT workshop this summer and report back what they learn • Send acceptance to USDOT, we are on the second tier list of user's discussion. No further communication • Phone conversation with them to start 	Updated: 5/7/13 4/2/13 1/15/13 Submitted: 11/20/12	Kaushik Dutta & Barney Krucoff
Geocortex <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 	Updated: 5/7/13 Submitted: 1/15/13	DoIT GIO Office
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
Google Map Engine <ul style="list-style-type: none"> • Update on page 11 • Have decided to change the plan and go with Arc2Earth tool instead • Negotiate with Google through the existing Google contract with DoIT 	Updated: 5/7/13 4/2/13 Submitted:	GIO

	9/4/12	
<p>SwGi/Version 10.1 Migration</p> <ul style="list-style-type: none"> • MD iMap infrastructure being kept at Esri Version 10.0 at present • DoIT providing a server for development at Esri Version 10.1 at present • Meeting scheduled w/Amazon for Wed. 9/5/12 • 10.1 migration anticipated by January 2013 by CGIS • 1 meeting at CGIS • Not yet created design • Invite Esri to participate in a design session 	<p>Updated: 11/20/12 9/4/12 7/17/12 3/23/12</p> <p>Submitted: 3/6/12</p>	GIO
<p>Application Submission Procedures</p> <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) 	<p>Updated: 5/7/13</p> <p>Submitted: 6/21/11</p>	Technical Committee

DATA & RESOURCES SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
<p>REST Endpoint Service Descriptions</p> <ul style="list-style-type: none"> • Any changes that need to be made to these descriptions or legends should be submitted to Ashley Buzzeo 	<p>Submitted: 12/20/11</p>	MD iMap Service Data Owners
<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 9/4/12 3/23/12</p> <p>Submitted: 12/6/11</p>	Kenny Miller
<p>GIS/Archives Appraisal Questions</p> <ul style="list-style-type: none"> • Distribute survey to as many municipal, county and state agencies, as possible, for potential participation 	<p>Submitted: 7/5/11</p>	Technical Committee
<p>Feedback/Requests concerning MD iMap</p> <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 	<p>Updated: 5/7/13 9/4/12 3/23/12 10/4/11</p> <p>Submitted: 6/7/11</p>	Jim Cannistra

<ul style="list-style-type: none"> • Still updating • Add Plat # to parcel • Maybe add address • 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>Cascading Geocoder</p> <ul style="list-style-type: none"> • Two composite locators now available on the production server • Anticipate being live within a week or two • Testing going well and anticipate deploying in the near future • The 11 address locators that the composite locator will use are created • Geocoders have been defined, data being collected, geocoders to be created and tested in the upcoming weeks • Research concerning development of composite geocoder underway • Composite geocoder on task list for CGIS FY2013 • Ashley Buzzeo will work with Brad Wolters to determine if this composite geocoder will meet these additional search criteria needs 	<p>Updated: 5/7/13 4/2/13 3/5/13 2/5/13 1/15/13 12/4/12 9/4/12</p> <p>Submitted: 1/18/11</p>	<p>CGIS</p>
<p>Web Mercator Data Service Projection</p> <ul style="list-style-type: none"> • DoIT recreating MD iMap map services in 10.1 Web Mercator projection • Need to move projections to Web Mercator • Per MES, EMMA replacement will use Web Mercator projection • Assess costs in labor and storage for creation of MD iMap data services (except imagery) in Web Mercator projection – Will determine with DNR & CSSC (lots of variables: migration to 10, etc.) 	<p>Updated: 11/20/12 3/6/12 10/4/11 4/5/11</p> <p>Submitted: 1/4/11</p>	<p>GIO Office</p>
<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 	<p>Updated: 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>

<ul style="list-style-type: none"> • 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 		
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OUTREACH SUBCOMMITTEE ACTION ITEMS:

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

COMPLETED ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:

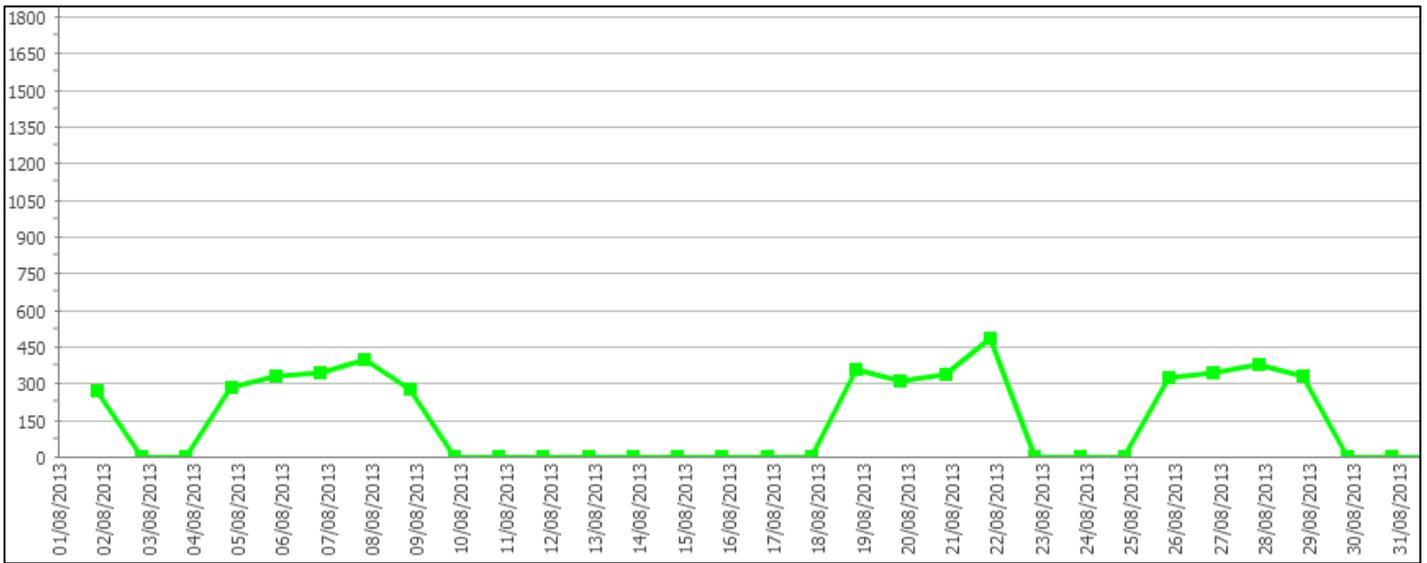
Introductions

Round-the-room

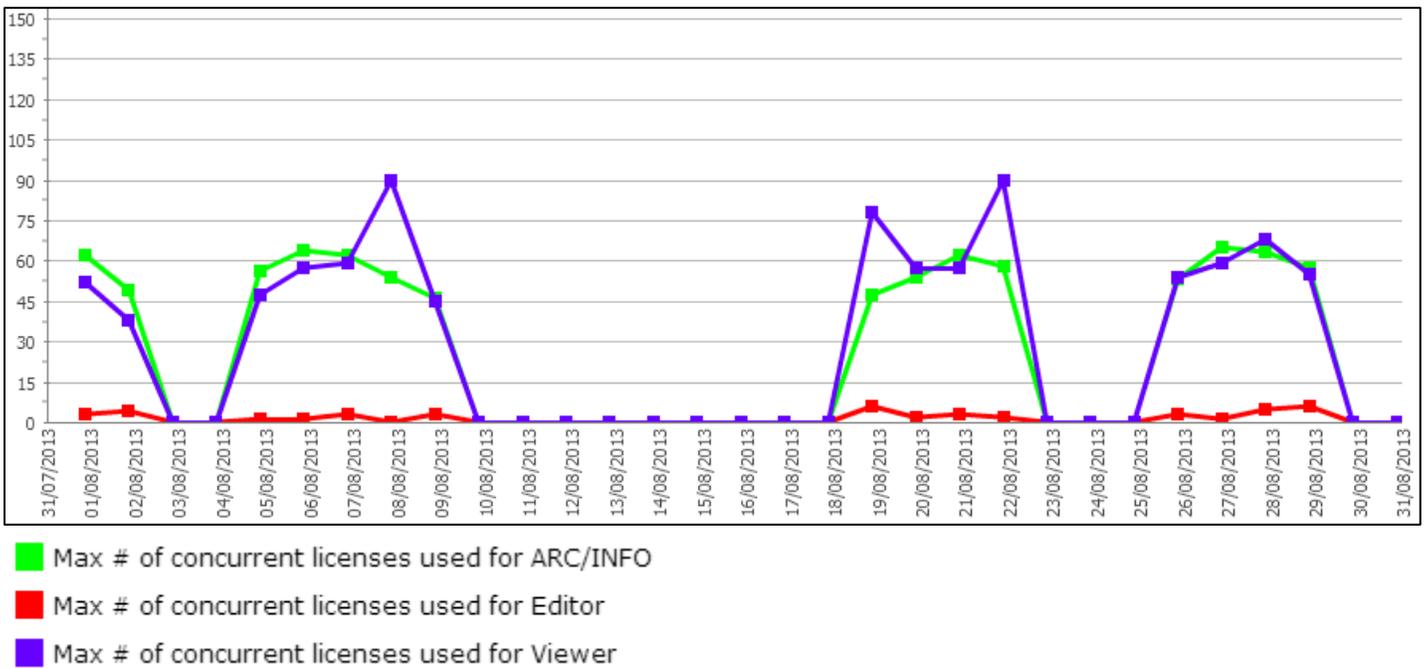
MD ELA Statistics Update

- Total User in August: 421
- Percent Change from July 2013: +5.8%
- Total Number of System Users: 773
 - DNR (159), MDOT (134), MDE (65), MDP (44), Other (145) and Unidentified (226)
- Percent Change from July: +2.5%

License usage peaked on August 22, 2013 with 480 concurrent licenses in use



Daily Utilization of ArcInfo, ArcEditor and ArcView Licenses



- As of last week, SHA had migrated most of their users to the license manager

Action Item: Share breakdown of MDOT by modules and provide to Kaushik Dutta – Julia Fischer

- Useful to have aggregated numbers of the three main license levels (ArcInfo, ArcEditor, ArcView) to visualize the overall utilization of the main component of the desktop software
 - This is the number which will be used to negotiate the next contract with Esri
- Anticipate using the aggregated numbers and compare them with the GSA schedule as talking points at the MD iMap Executive Committee meeting
- Current breakdown suggests the State is paying about \$1,800 for access per user

- We know there is waste in these numbers, but not trying to fight this battle right now, for example: focusing on getting user to switch from ArcInfo to ArcView, etc.
- D.C. Government is currently going through renegotiations with Esri concerning their contract
 - Hope to have Matt Crosett (D.C. rep) at the MD iMap Executive Committee to tell us about D.C.'s process of going through the contract renegotiation process with Esri

Question: Do we have an idea of how many people have migrated up to Desktop version 10.2?

- There are only a hand full who have migrate to Desktop version 10.2, including some at MDA
- MDA is having an issue with the version of the license manager, getting an error message about FlexLM

Data & Resources Subcommittee Updates

- MD iMap services which have been updated include: ZIP Codes, Composite Locator was updated with parcel points data from MDP, Political Boundaries, Transit Routes and Stops, GreenPrint
- MD iMap services which have been created include:
 - NAIP Imagery 2009:
<http://www.mdimap.us/ArcGIS/rest/services/ImageryBaseMapsEarthCover/MD.State.NAIPImagery.2009/MapServer>
 - MARISites for DNR:
<http://www.mdimap.us/ArcGIS/rest/services/Biota/MD.State.MARISites/MapServer>
 - Wetland Maps1972:
<http://www.mdimap.us/ArcGIS/rest/services/InlandWaters/MD.State.WetlandMaps.1972/ImageServer>
 - ESRGC will host the1972 wetland map tiles for download
 - Working to have a link from the site to download the tiles via an ftp site

Addressing Initiative

- Working with CGIS to develop automated ETL process
- CGIS has been instructed that it is a high priority to:
 - Incorporate address points into the cascading geocoder
 - Determine why the geocoder cannot easily be incorporated into JavaScript and Flex applications
- CGIS sent instructions on what code changes need to be made for the cascading geocoder to work in JavaScript and Flex applications
- MDP already has the cascading geocoder in a Flex application and it is working fine
- City of Laurel has agreed to participate in the project
- They will be replicating their data on a monthly basis
- Harford Count and Howard County have also agreed to replicate their data
- Russell Provost will reach out to Sandi Stroud this week to see if there are other BMC counties who have given their approval for BMC to transmit their address data
- Russ will be reaching out to the remainder of counties, for a data update, throughout September
- Counties can do so through an ftp upload or replication

- In the coming weeks, Russ will be developing a scope of work to identify gaps in the addressing data
- Other potential datasets to compare to the address data include:
 - MD Property View
 - State Board of Elections addresses
 - DLLR addresses
 - Telephone subscriber lists
- Feedback, concerning ideas regarding address evaluation, should be sent to Russ
- A broader question may be, where Maryland is in terms of overall GIS preparedness for NextGen 911
- Results from the gap analysis will be used to prepare a long range plan concerning NextGen 911
- This plan will be presented to the Numbers Board and highlight key datasets and include recommendations concerning new datasets and work to be done on existing datasets
- This presentation will also request funds for data compilation of a series of cleaned, statewide datasets
- Do not need to have NextGen deployed in the State prior to proceeding with collecting statewide assets
- Want addresses databases to run against the address dataset coming in through Russ's efforts
- Want to compare to see how well the process is going
- Want long lists of addresses and information on where they came from
 - Personal information does not need to be included in these lists
- The longer the list the better, so can determine if the addresses being collected are thorough and complete
- MDP went through addresses against MdProperty View, for most counties, and used some of the information for clean-up
 - Would look to redo what was done on the cleaned up version of the addresses

Question: How does someone get access to the address data?

- DoIT can get access to the raw data and can share upon request
- Will be including the cascading geocoder, in the future
- A data download site is also being developed, which will allow for user's with password to access data

DFIRM Data Integration with MD iMap – *Barney Krucoff*

- A meeting has occurred and new services are going to be published by MES
- Three services:
 - An effective floodplain layer which is the legally accepted layer and is available for 12 counties
 - A preliminary floodplain layer which is going through the approval process, not yet legal, but accurate
 - Q3 floodplain layer will be provided for 2 counties, considered for planning purposes only
- Once these new services are stood up, users will receive a notice to replot from the OSPREY services to the new services, after 30 days the old services will be turned off
- Will be sharing status and information with the public and improving the existing, available resources

Question: Where, in the process of publishing the new services, is MES?

- Anticipate someone working on it this week and having something available within the next week or so
- Once publishing is complete, announcements will go out through MD iMap channels

- Note: preliminary data can be coming in from the counties and could be more accurate than the layers which are approved, but this information can change quickly, so it must be said that both preliminary and effective layers need to both be looked at
- Effective means today's effective, for those who are building today, they would have to follow today's effective, but must make sure to check preliminaries which might be coming right behind in the schedule
- There are other OSPREY services which also should be turned off and removed
- A number of layers have been removed from the new version of OSPREY
 - These map services are still available, just not through the OSPREY applications
 - For example, a lot of medical information was removed, medically licensed locations, fire stations, police departments, libraries, etc.
 - Decided if there is a need, during an emergency, for these map services
 - If there is a need, you should be using the secure version of OSPREY instead of the public version
- Community Anchor Institutions (CAI) is now available as a MD iMap service
<http://mdimap.us/ArcGIS/rest/services/Structure/MD.State.CommunityAnchorInstitutionsBroadband/MapServer>
- Recommend using the CAI service, rather than OSPREY services, for public institutions
- Pulling back some of the data that maybe should not have been up in the first place

Question: Is the secure version of the OSPREY application still in Flex?

- Public version is an ArcGIS Online application embedded into the MEMA website
- OSPREY EOC is still a Flex application with additional widgets, which is used inside of MEMA and requires a WebEOC account
 - A WebEOC account can be obtained fairly easily
 - This application includes HSIP data, which has information on businesses, National Guard data and other data not on the other versions of OSPREY
- OSPREY Lite is iPad friendly and will be rebranded to OSPREY Executive View soon
 - Has a single username and password, which is shared
 - This can be provided to a Department Secretary, etc.
 - Additional requests for the username/password should go to the GIO Office
- Floodplain data is provided with MdProperty View and has been for many years
- Working with MDE and others to get the best available included with the MDPV deliverables
- Interested in the data itself, as well as the map service, have a number of applications which would be interested in having the map services included
- The services being created by MES will be very valuable for purposes at MDP
- Looking forward to the floodplain application which will be rolled out shortly by MES
- Need to update the query on the MEMA website, "ARE YOU IN A FLOOD PRONE AREA?"
<http://mema.maryland.gov/prepared/Pages/floodProneZones.aspx>

- This query uses an input address and returns a statement, along with links for more information, not a map-based interaction for end users
- Suggest this portion of the website be pulled down and repointed to the Floodplain mapping application

2013 Eastern Shore Imagery Status Update – *Jim Cannistra*

- Should also include Howard County in the title, since it also includes Howard County data
- Howard County is the first county which has been completed
- Flown in April and done by the end of August is about the fastest turn around that has ever occurred
- Data was posted to ftp site earlier this morning and is ready for download and inclusion in MD iMap
- Over the next 3 to 4 months, almost on a monthly basis, new imagery will be provided to MD iMap
- At this time, the map service will be updated as data comes in and gets finalized
- Image service which will be updated at the completion of the project and receipt of all the data
- Color infrared service which will be updated at the end of the project and receipt of all the data
 - Anticipate this in the December 2013/January 2014 timeframe

Question: Is anyone using the image service or infrared service regularly?

- Regularly used at SHA, primarily by MicroStation users and also used regularly by other sporadic users

Question: Is there resolution to bringing in the image service to ArcMap and symbology stretch type not automatically set to “Minimum-Maximum”?

- Can distribute layer files which are setup without the minimum-maximum setting
- There is no resolution that can be provided through the creation of the image service
- For the short term, the map service and the image service will show different data
- Should revisit the topic of the timing of these updates
- Additional available deliverables will be upon request at the completion of the the project:
 - Mr. SID files
 - ECW 25:1 compression files
 - .tiff images will be made available via drive to other state agencies only
- MdTA has requested that the typology of the .tiff images be consistent, either capital or not capital
- MdTA has also requested that images of different resolutions be separated into different folders
 - Should not be necessary for these deliverables, but a valid request
- Working on next RFP for imagery and close to submitting it to DoIT Procurement for next steps to complete final preparations before putting this contract out for bids
- Looking down the road for three years, this contract would be useable by any state agency or counties to use

Parcel Mapping

- Major update to 10 or 11 counties with updated parcel data has been completed
- Merged county layers into a single statewide layer, make easier for use in applications and AGOL
- Have not received any feedback, tested all MD iMap applications and did not encounter issues

Application Subcommittee Updates

MD iMap Application Template Update – *Jessie Cahoon*

Smart, Green and Growing Atlas Demo/Discussion

- Got measurement tool working
- Working on Edit widget
- Mobile compatible, mobile friendly
- Button styling has been improved
- Add data is a separate tab
- Responsive design has not been started on, but could be included in the future
- Content and organization, of Smart, Green & Growing (SG&G) atlas layers, being worked on based on comments from the last SG&G meeting
 - Categories ideally fit better than before
 - Working on pulling a list of services and trying to get those organized in a central location
- Anticipate a beta version launched for comment
- Also trying to mimic the way that the BayStat website is organized, concerning problems, solutions, etc.

Launch of New Emergency Management Resources

- OSPREY Public – legend for stream flood gauges now provides level of event and year return, allows for relating to the floodplain information easier
- Launching a new webpage from MEMA’s website this week, that will be all things OSPREY
- All of the publicly available OSPREY resources (Public, Dashboard) will be on one page and a second page, which will be publicly available, will share information about secure resources and URLs and would list that credentials are necessary to access these additional resources
- Originally thought to password protect this second page, but instead just going to password protect the resources themselves
- Barney Krucoff has met with the web designer, all of the content is there and has been mocked up, just need to finalize and plug the new page into the existing website

- Mick Brierley (DoIT/MEMA) has resigned and accepted a position with FEMA
- He will remain in State service through late September
- Working to put through a hiring exception and had submitted a reclassification package
- Hope to hire someone at the new classification level
- In the meantime working to provide GIS support for MEMA with existing staff
- Determining who will be the support person and the number of hours they would be detailed for this support
- Mick has been a great asset, but this is also a great opportunity for him

Mobile Application Inventory (Complete & Planned)

- Talked recently about mobile applications through a NSGIC forum
- Discussion was specific to those mobile applications designed for mobile phones, not just mobile-friendly applications that can be viewed on a mobile device
- SHA has launched an emergency truck parking application and has some others in the works
- Can talk about whether to do a formal survey, survey monkey or email as a way to inventory available apps

- MDP has done some work with a land use application, was designed basically to be able to look at MDP's layers, not an application per se
- Suggestion a survey would be a good idea, counties have links with mobile applications
- Might want to bring up this topic at the Quarterly MSGIC meeting as a way to survey the GIS community
- Simple survey out to the whole community, message out through newsletter to reach a broad audience
- Work with MSGIC (Mark Helmken) to get this survey out before the next Quarterly meeting and discuss results at the meeting

Outreach Subcommittee Updates

- Some of the Portal tabs have been renamed
 - HELP to FAQ
 - GIS DATA to DATA
 - ELA to SOFTWARE
 - GIO OFFICE to SUPPORT
- Developers tab has been moved to the left side navigation column, as a linked page
- Metadata has been updated on the metadata page, still need more metadata to complete the list
- Anticipate moving FAQs and ELA Q&A from DoIT webpage to the SOFTWARE and FAQ pages of Portal

Google Enterprise Demo – *Kaushik Dutta*

- Google Enterprise license was purchased in 2009 and at first was only used by internal users
- Application works with MD iMap services, also able to send AGS and KML services to users
- Now deployed to 2,000 users throughout the state agencies
- Moved to a new data center, disaster recovery will be available inside of 30 minutes
- Working with IT, Finance and other agencies, in the MDOT module, to have data hosted from this platform
- Slide button on Google Enterprise map used to show historical imagery, big push over last few months
- 16TB of data in application
- Hosted on MDOT portal and other agencies have asked for access to the application
 - Made a public version to accommodate these requests
 - Scrubbed out internally sensitive data and only included what public is permitted to see
- Data stewardship templates have been created for 56 layers, which allows for maintenance of layers if primary maintainers are not available
- Design of the system allows for end user applications to vary, as long as the data is pushed out in a manner which is easily consumable
- Would like to have discussion how to make services available through MD iMap
- Valuable to get access to 22 MDTA publicly available layers as AGS and KML services
- These layers have benefits to other state agencies and might assist with Esri ELA renegotiations
- Have open VPN connection with Towson University and can do replication
 - Would be one solution to get services onto MD iMap
 - Already replicating EZ Pass location points to MD iMap
 - Otherwise would have to get another port opened to get the information onto the MDOT Portal
- Working to improve ease access security model

- Going through procurement process to get data onto DMZ
- Would limit the amount of security that would need to be passed through to gain access
- Steering committee at MDTA will need to approve sharing the 22 publicly available layers to MD iMap
 - Should be a quick discussion, since these layers are already in the public domain

Additional Business

None at this time