

## MD iMAP Technical Committee Meeting Minutes

Place: Department of the Environment (MDE): Terra Room (Baltimore, MD)

Date: 9/1/2015

Time: 1:00PM - 3:00PM

Attendees: Jessie Cahoon (DoIT), Kevin Coyne (DNR), Barney Krucoff (DoIT), Julia Fischer (DoIT), Patrick McLoughlin (Spatial Systems), Kate Majchrzak (MDE), Lisa Lowe (DoIT), Jeyan Jebaraj (DoIT), Stephanie Martins (MDP), Melissa Oguamanam (MDP), Marshall Stevenson (WBCM/SHA), Matt Sokol (DoIT), Mara Kaminowitz (Baltimore Metropolitan Council), Mussie Tewolde (DJS), John Privot (Wallace Montgomery)

Phone Attendees: Brad Wolters (DHCD), Jim Cannistra (MNCPPC - PG County Planning Dept.), Taylor Keen (Univ. of MD, College Park), Marc Weinshenker (City of Rockville)

### AGENDA:

- Introductions 1:00 - 1:10
- Maryland-Esri ELA Update - *Barney Krucoff* 1:10 - 1:30
- MD iMAP 2.0 Update - *Matt Sokol* 1:30 - 1:40
- Data & Resources Subcommittee Updates 1:40 - 2:00
  - GIS Training Contract - *Lisa Lowe & Marshall Stevenson*
  - Centerlines Update - *Marshall Stevenson*
  - Composite Locator Update - *Jeyan Jebaraj*
- Application Subcommittee Updates 2:00 - 2:10
  - Template Update - *Jessie Cahoon*
  - Web App Builder Update - *Jessie Cahoon*
- Outreach Subcommittee Updates 2:10 - 2:20
  - MD iMAP Portal Update - *Julia Fischer*
- Additional Business 2:20 - 2:30

## **Introductions**

### *Round-the-room*

#### **Maryland-Esri ELA Update - Barney Krucoff**

- The final option year for the ESRI ELA (9/1/2015 - 8/31/2016) went before the Board of Public Works (BPW) on 8/26/2015 after being deferred from the 8/5/2015 meeting
- At the 8/26/2015 meeting, the decision was again deferred until the 9/16/2015 BPW meeting
- Board members requested Esri staff be present at the 9/16/2015 meeting
- Since the ArcGIS Online (AGOL) account expired 8/31/2015, DoIT extended AGOL until 9/30/2015

#### **MD iMAP 2.0 Update - Matt Sokol**

- Still on target to have web feature services available for all vector layers by end of calendar year
- NAIP 2015 (1-meter leaf-on imagery) should be available by the end of September
  - DNR will purchase.
- 2006 NAIP data is now available from the MD iMAP 2.0 historic imagery service directory (URL: <http://imagery.geodata.md.gov/imap/rest/>)
- A data refresh will be performed since MD iMAP 2.0 has been operating for about one year

#### **Data & Resources Subcommittee Updates**

##### **GIS Training Contract - Marshall Stevenson**

- Delivered first class for each of the three classes
- Successful, people on waiting list for all three classes
- Scheduling additional training for the remainder of the year
  - September and October training to be conducted at Towson University
  - Schedule training at MDOT for November for Transportation Staff
  - December training may be at DNR
- Courses will be on Portal
- Check [The HUB](#) for schedule and to register
- 6 month cycle of courses will move around the state
  - For example, courses will be held every 6 months at each location
  - Salisbury, DNR, MDOT, CCBC, TU, Frostburg (rotating throughout the state)
  - All three classes will be administered each month
    - MDOT set aside because they do not have access to The HUB
    - A non-MDOT employee can take training at MDOT
    - To sign up for MDOT training, as a non-MDOT employee, contact [Lisa Lowe](#) directly
- Classes are not concurrent, there is no prerequisite, will change marketing to clarify

**Question:** Every month three courses will happen, just at different locations, is this correct?

- Have individuals who are signing up for multiple courses
- Come up with better explanation for level of experience
- Desktop proficiency is different than AGOL proficiency, need to clarify with course descriptions

- Talk about how to manage AGOL and Desktop resources together is another challenge to address
- Centerlines Update - *Marshall Stevenson***
- Kick-off meeting scheduled for end of September
  - Reissued documents for signature because wrong contract number on originally distributed documents, in the process of resigning documents

**Composite Locator Update - *Jeyan Jebaraj***

- Previously used a lot of credits through existing structure of Composite Locator with Esri, which included access to the Esri World Locator
  - Discontinued Composite Locator with Esri to prevent lots of credits from being consumed
  - Moving forward with a single Composite Locator
    - Currently this single locator only covers MD and DE
    - Will add national level coverage, through the use of available U.S. Census locator which will replace with Esri portion of Composite Locator with Esri service
    - U.S. Census locator geocodes to centerlines
  - Exploring adding points of interest datasets and GNIS place names to Composite Locator for more enhanced national coverage options
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- Suggested search capability, related to Composite Locator, was not available in 10.2.2
  - It is available at the newly deployed version level, 10.3
  - GIO Office will need to investigate required updates to locator files to get this functionality working in all locators that make up the Composite Locator
    - Not sure if update is applied across all locators that make up the Composite Locator or if the functionality can be managed at the individual locator level
  - Might want to include on point layer locators only
  - Results are currently popping up with Esri locator suggestions only, because they have this functionality enabled already
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- Trying to get better point of interest data, State Highway Administration (SHA) was maintaining
  - Making an effort to trim down the existing dataset, because things are being captured by authoritative sources elsewhere and instead leverage authoritative sources rather than duplicate

**Application Subcommittee Updates**

**Template Update - *Jessie Cahoon***

- Still working on information icon to connect to corresponding MD GIS Data Catalog entries (metadata link)
- Needs more testing before being pushed to existing template

**Question:** Is the MD iMAP template eventually going away?

- We probably have another year of access and will have to determine what type of investment to continue making on the template
- Next endeavor is a MD iMAP Web App Builder (WAB) Template
- Build the next resource, while not getting rid of the old resource

- MD iMAP WAB Template will look similar to existing MD iMAP template, for consistency

**Question:** WAB training session was useful, will this be done again in the future?

- Session was well received
- Asking for improvements to documentation so it can be shared with a larger audience
- Suggest Jessie do a workshop at TUGIS or possibly GIS Day in November at MDE

**Web App Builder Update - *Jessie Cahoon***

- Well received class two weeks ago
- Customized right out-of-the-box widgets and framework
- Working with some of the agencies to apply this resource locally
- Want to start working on themes, all logos and other branding for Maryland
- Start posting web app widgets onto GitHub site for distributed access
- Still trying to determine if MD iMAP WAB Template will be built off of one or multiple themes
- There are 6 different layout options, want to ask if template theme needs to be made for each layout or if only a select group should be developed
- SHA would like to work with MES, because some work has already started at SHA

**Outreach Subcommittee Updates**

**MD iMAP Portal Update - *Julia Fischer***

- Significant changes have been made to the following pages:
  - <http://imap.maryland.gov/Pages/training-program.aspx>
  - <http://imap.maryland.gov/Pages/map-gallery.aspx>
  - <http://imap.maryland.gov/Pages/mdimap-2.0.aspx>
  - <http://imap.maryland.gov/Pages/data-download.aspx>
  - And more...
- Google Analytics available on internal web applications and MD iMAP template-based applications
- Might be useful tool moving forward similar to monthly AGOL and license stats
- Need to determine what particular stats are of interest: unique hits, total hits, bounce rate, etc.
- Provide suggestions to Julia Fischer
- Statistics for top applications in August 2015:

	MSDE Child Care Mapping Tool	OSPREY Public	MERLIN
Pageviews	1,594	630	525
Avg Time on Page	00:05:09	00:04:00	00:06:05
Bounce Rate*	86.76%	76.73%	84.42%

\*Percentage of visitors who navigate away from the site after viewing only one page

- Good metrics to potentially show for use case to continue Esri contract

## **Additional Business**

### **Basemaps**

- SHA is in the process of caching a total overhaul of the color basemap
- Currently going through an internal review
- Eventually get on MD iMAP to replace color basemap option currently available
- Ask Marshall Stevenson to demo what will be available at next Technical Committee meeting
- Trimmed down information on the map, not an SHA map only, not for SHA use only
- Map is currently color rich, working to mute things on the map and make a true basemap
- Leveraging information from MD iMAP,
- Added DC Metro Rail lines, MTA logos used, authoritative data with authoritative symbology
- Want to include hillshade overlay, work with GIO Office to get this incorporated

**Question:** Can you change the transparency on the current basemap to mute it?

- Lose a lot of information when transparency is applied
- Colors work on paper map product, but not in interactive application, as well

### **LiDAR**

- Talking with ESRGC for updates to available LiDAR services
- Will have contract in place within a month
- Will have some changes to the services applied
  - Include more first return data
  - Have function where people can download the LAS files and work on it independently
- Currently only bare earth services
- Will open LiDAR data for more application options

**Question:** Will this impact National Capital Region data delivery?

- Pay to have data up within 30 days of availability and will continue under new agreement
- Get a lot of requests for first returns and not just DEMs and other derived data
- Do not want LiDAR to only represent elevation data, a lot more that can be done with the data
- There will also be an education piece, in the new agreement, to clarify capabilities of LiDAR
- Still negotiating contract, adding section documenting the LiDAR uses and costs to put together a statewide program similar to imagery, will be added to the task order if funding allows
  - Explore how much could be collected, how often and what funding might be available
- We have been fortunate with available LiDAR in Maryland and have good coverage
- [SigmaSpace](#) is a company who was recently awarded project funding to study their technology for large area collection projects, USGS funding this work
- Biomass and Canopy Cover services are available as MD iMAP services
  - [http://geodata.md.gov/imap/rest/services/Biota/MD\\_Biomass/ImageServer](http://geodata.md.gov/imap/rest/services/Biota/MD_Biomass/ImageServer)
  - [http://geodata.md.gov/imap/rest/services/Biota/MD\\_Biomass/MapServer](http://geodata.md.gov/imap/rest/services/Biota/MD_Biomass/MapServer)
  - [http://geodata.md.gov/imap/rest/services/Biota/MD\\_CanopyCover/ImageServer](http://geodata.md.gov/imap/rest/services/Biota/MD_CanopyCover/ImageServer)
  - [http://geodata.md.gov/imap/rest/services/Biota/MD\\_CanopyCover/MapServer](http://geodata.md.gov/imap/rest/services/Biota/MD_CanopyCover/MapServer)

- These were derived by UMD through the availability of LiDAR across the State of Maryland
- Outstanding issues with some of the tiles, GIO Office is actively working with Esri to resolve

### **GIS Day – Friday, November 20<sup>th</sup> at MDE**

- Stat Room has been reserved for demos and/or workshops
- Running concurrent sessions is a possibility
- Could do introduction to training courses at this event
  - Potentially teach the intro course
  - Intro course online version will be ready by this time, could suggest people brings laptops and setup room to run online course with proctors available to assist with self-paced training

### **ServiceNOW**

- New Help Desk interface at DoIT
- Send GIO Office requests to [service.desk@maryland.gov](mailto:service.desk@maryland.gov), so they are tracked through new system