

## MD iMap Technical Committee Meeting Minutes

**Place:** Maryland Department of the Environment (MDE): Terra Conference Room (Baltimore, MD)  
**Date:** 9/4/12  
**Time:** 1:00 PM – 3:00 PM  
**Attendees:** Rowland Agbede (MDA), Kaushik Dutta (MDtA), Bill Fearington (DHR), Julia Fischer (DoIT), Matt Folley (MDP), Jason Keppler (DoIT), Renee King (MDP), John Madigan, Kate Majchrzak (MDE), Tom Nasuta (MDE), Mike Sheffer (SHA), Frank Siano (MDE), Missy Valentino (CGIS) and Brad Wolters (DHCD)

### AGENDA:

- |   |             |
|---|-------------|
| • Introductions                             | 1:00 – 1:10 |
| • Google Map Engine Follow-Up               | 1:10 – 1:50 |
| • MD iMap Executive Committee Agenda Review | 1:50 – 2:00 |
| • Application Subcommittee Updates          | 2:00 – 2:10 |
| • Data and Resources Subcommittee Updates   | 2:10 – 2:20 |
| • Outreach Subcommittee Updates             | 2:20 – 2:30 |
| • Security Subcommittee Updates             | 2:30 – 2:40 |
| • Additional Business                       | 2:40 – 3:00 |

### NEW ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Google Map Engine • Negotiate with Google through the existing Google contract with DoIT	Submitted: 9/4/12	GIO

### ON-GOING ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Future Agenda Item • Bring a regular report to the meeting about what credits are being used and discuss what to publish, etc.	Submitted: 8/7/12	GIO & Co-Chairs
MDP Evaluation of City Engine • Determine current status of ELA amendment and discuss with Anthony Puzzo	Submitted: 6/5/12	Deputy GIO & Jim Cannistra
Central License Server	Updated:	Technical

<ul style="list-style-type: none"> <li>• Anyone else using? – DNR, MDOT changing firewall, Port Transit</li> <li>• 104 licenses, 86 available</li> <li>• 2 licenses open on desktop counts as 2 in use</li> <li>• Sense of usage in a month (logging IP addresses)</li> <li>• Each agency needs to consider what happens when connection is down</li> <li>• Back up manager still needs internet</li> <li>• Contact Barney Krucoff if you want to test your agencies' accessibility to CLS</li> </ul>	<p>3/23/12</p> <p>Submitted: 12/6/11</p>	Committee
<p>ELA License Request Form/Website</p> <ul style="list-style-type: none"> <li>• Website is now ready (Must have SwGi connectivity to access) <a href="https://www.doit.state.md.us/selectsurvey/TakeSurvey.aspx?SurveyID=n4LJ5n4">https://www.doit.state.md.us/selectsurvey/TakeSurvey.aspx?SurveyID=n4LJ5n4</a></li> </ul>	<p>Updated: 2/8/12; 12/20/11; 12/6/11</p> <p>Submitted: 11/1/11</p>	GIO
<p>ELA Renewal</p> <ul style="list-style-type: none"> <li>• Anthony Puzzo/post openly</li> <li>• DoIT SwGi page posted</li> <li>• Post GSA price schedule for reference</li> </ul>	<p>Updated: 3/23/12</p> <p>Submitted: 11/1/11</p>	GIO
<p>ELA</p> <ul style="list-style-type: none"> <li>• Provide to Executive Committee</li> <li>• Provide list of contributing agencies to MD iMap Tech Committee</li> <li>• Provide list of contributing agencies</li> </ul>	<p>Updated: 3/23/12; 11/1/11; 8/2/11</p> <p>Submitted: 7/19/11</p>	GIO

<b>Application Subcommittee:</b>		
<b>Description:</b>	<b>Date Assigned:</b>	<b>Follow Up By:</b>
<p>Google Earth Builder Update</p> <ul style="list-style-type: none"> <li>• Check DoIT standards/plans for web browser utilization</li> </ul>	<p>Submitted: 6/5/12</p>	GIO
<p>Socrata</p> <ul style="list-style-type: none"> <li>• Next call on Friday (3/23/2012)</li> <li>• Easiest way to public from MD iMap to Socrata</li> <li>• Esri click/ship issues</li> <li>• Another method: Separate REST service for Socrata to consume</li> <li>• Explore difficult ways to publish</li> <li>• Demo GIS data options to group</li> </ul>	<p>Updated: 3/23/12</p> <p>Submitted: 3/6/12</p>	CGIS
<p>SwGi/Version 10.1 Migration</p> <ul style="list-style-type: none"> <li>• Meeting scheduled w/Amazon for Wed. 9/5/12</li> <li>• 10.1 migration anticipated by January 2013 by CGIS</li> <li>• 1 meeting at CGIS</li> <li>• Not yet created design</li> <li>• Invite Esri to participate in a design session</li> </ul>	<p>Updated: 9/4/12; 7/17/12; 3/23/12</p> <p>Submitted: 3/6/12</p>	GIO

<p>Application Specific Services</p> <ul style="list-style-type: none"> <li>Facilitate a discussion with CGIS concerning potential options for map service storage and organization</li> </ul>	<p>Updated: 11/1/11</p> <p>Submitted: 7/5/11</p>	GIO
<p>Application Submission Procedures</p> <ul style="list-style-type: none"> <li>Update detailed procedures for application creation and update</li> <li>Resend Application Submission Procedures draft to Technical Committee (Co-chairs)</li> </ul>	<p>Submitted: 6/21/11</p>	Technical Committee
<p>Code Acquisition for MD iMap Portal</p> <ul style="list-style-type: none"> <li>Provide updated worksheet to Kenny Miller for review, after updates have been applied (Kaushik Dutta)</li> <li>Development Code Worksheet Generated (Kaushik Dutta)</li> <li>Date of Launch – add this additional column and information to worksheet (Kaushik Dutta)</li> <li>Work on filling in missing information (Kaushik Dutta &amp; Kenny Miller)</li> <li>Meeting to be scheduled to discuss next steps</li> <li>Excel spreadsheet inventory being produced by CGIS and MES</li> <li>Actively being pursued</li> <li>Obtain Flex code from CGIS and MES for MD iMap-based applications</li> </ul>	<p>Updated: 7/5/11; 6/7/11; 1/4/11; 12/21/10; 12/7/10; 11/16/10</p> <p>Submitted: 10/19/10</p>	Kaushik Dutta Kenny Miller

<b>Data &amp; Resources Subcommittee:</b>		
<b>Description:</b>	<b>Date Assigned:</b>	<b>Follow Up By:</b>
<p>Topography Updates</p> <ul style="list-style-type: none"> <li>Share Salisbury map service URL with the group</li> </ul>	<p>Submitted: 6/5/12</p>	GIO
<p>REST Endpoint Service Descriptions</p> <ul style="list-style-type: none"> <li>Any changes that need to be made to these descriptions or legends should be submitted to Ashley Buzzeo</li> </ul>	<p>Submitted: 12/20/11</p>	MD iMap Service Data Owners
<p>WFS-Enabled OSPREY Services</p> <ul style="list-style-type: none"> <li><b>Instructions and list of available WFS-enabled services to be added to Portal early September</b></li> <li>Ownership in question</li> <li>Follow up with owners of OSPREY data to determine if layers can be WFS-enabled</li> </ul>	<p>Updated: 9/4/12; 3/23/12</p> <p>Submitted: 12/6/11</p>	Kenny Miller
<p>Log Package Acquisition</p> <ul style="list-style-type: none"> <li>Provide package name and cost for next meeting</li> </ul>	<p>Submitted: 12/6/11</p>	Michael Bentivegna
<p>NAIP 2011 Imagery</p> <ul style="list-style-type: none"> <li>Sent to CGIS and posted</li> <li>Check that DNR has this information to be posted on MD iMap</li> </ul>	<p>Updated: 3/23/12</p> <p>Submitted: 12/6/11</p>	Kevin Coyne
<p>GreenPrint Mapping Application</p> <ul style="list-style-type: none"> <li>Follow up with Ashley Buzzeo</li> </ul>	<p>Submitted: 11/15/11</p>	Kevin Coyne

<ul style="list-style-type: none"> <li>Determine if GreenPrint version on MD iMap infrastructure can be removed</li> </ul>		
<p>Data Submission Policy Updates:</p> <ul style="list-style-type: none"> <li>Add “Update frequency, “Last updated” and “WFS-enable: Y/N” in Data Submission Policy</li> </ul>	Submitted: 10/4/2011	Data and Resources Subcommittee
<p>SHA Basemap</p> <ul style="list-style-type: none"> <li>Cached and uncached versions of basemap and 6” imagery allowing for access by CADD users</li> <li>CGIS in the process of determining server capacity vs. need</li> <li>Labeling issue resolved</li> <li>Water issue being reviewed</li> <li>Cache being reviewed by SHA, awaiting their response</li> <li>MXD being generated, cache to follow</li> <li>Obtain information from SHA, re-cache and add as map service to MD iMap</li> </ul>	Updated: 9/4/12; 3/23/12; 3/6/12; 12/6/11 Submitted: 10/4/11	Ashley Buzzeo
<p>GIS/Archives Appraisal Questions</p> <ul style="list-style-type: none"> <li>Distribute survey to as many municipal, county and state agencies, as possible, for potential participation</li> </ul>	Submitted: 7/5/11	Technical Committee
<p>Feedback/Requests concerning MD iMap</p> <ul style="list-style-type: none"> <li>Statewide tax map service being developed by MDP – will be made available on MD iMap in future</li> <li>PFA map service now includes a field “State Eligible” w/ Yes or No</li> <li>Look to obtain most recent statewide DEM from Salisbury and discuss effort/timeline for generating hillshade and getting posted</li> <li>Still updating</li> <li>Add Plat # to parcel</li> <li>Maybe add address</li> <li>Add PFA in/out: resistance to this update</li> <li>Check for hillshade, which can be added as map service, @ MDP</li> <li>Add Hillshade Service: Inquire at DNR if they have a hillshade available – to check</li> <li>Add Map/Parcel ID Look-Up: Follow up with requestor (Jason Zhao – MDE) to clarify request</li> </ul>	Updated: 9/4/12; 3/23/12; 10/4/11 Submitted: 6/7/11	Jim Cannistra
<p>Point of Interest/Place Name Geocoder</p> <ul style="list-style-type: none"> <li>Composite geocoder on task list for CGIS FY2013</li> <li>Ashley Buzzeo will work with Brad Wolters to determine if this composite geocoder will meet these additional search criteria needs</li> </ul>	Updated: 9/4/12 Submitted: 1/18/11	Ashley Buzzeo Brad Wolters
<p>WFS Services</p> <ul style="list-style-type: none"> <li>Top 10 list to be assembled during next Data &amp; Resources Subcommittee meeting</li> <li>List of enable services, email to group</li> </ul>	Updated: 4/5/11 Submitted: 3/15/11	Ashley Buzzeo Data & Resources Subcommittee

<p>Web Mercator Data Service Projection</p> <ul style="list-style-type: none"> <li>• Need to move projections to Web Mercator</li> <li>• Per MES, EMMA replacement will use Web Mercator projection</li> <li>• Assess costs in labor and storage for creation of MD iMap data services (except imagery) in Web Mercator projection – Will determine with DNR &amp; CSSC (lots of variables: migration to 10, etc.)</li> </ul>	<p>Updated: 3/6/12; 10/4/11; 4/5/11</p> <p>Submitted: 1/4/11</p>	<p>CGIS</p>
<p>Metadata Services</p> <ul style="list-style-type: none"> <li>• Forward electronic list to group</li> <li>• Updated list to be provided by Friday, 1/7/2011</li> <li>• Updated list to be provided at 1/4/2011 meeting</li> <li>• Remaining “offenders” actively being pursued</li> <li>• Resend email to “offenders” to complete metadata</li> <li>• Email resent and follow-up by Kenny Miller to occur</li> <li>• MDP has provided metadata for all their services on MD iMap</li> <li>• Follow-up concerning how to obtain the missing metadata for services currently being hosted on MD iMap</li> <li>• Email sent to Kenny</li> <li>• Agency leads from Tech. Comm. to make progress <ul style="list-style-type: none"> <li>○ Direct contact of data owners</li> </ul> </li> <li>• 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</li> </ul>	<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 &amp; Resources Subcommittee Co-chairs</p>

<b>Education &amp; Outreach Subcommittee:</b>		
<b>Description:</b>	<b>Date Assigned:</b>	<b>Follow Up By:</b>
<p>Twitter/Communication Plan</p> <ul style="list-style-type: none"> <li>• List of every CIO for inclusion on email alerts</li> </ul>	<p>Submitted: 11/15/11</p>	<p>GIO</p>
<ul style="list-style-type: none"> <li>• Link to Merlin needs to be added to MD iMap Portal webpage</li> </ul>	<p>Submitted: 12/21/10</p>	<p>Lisa Lowe</p>
<ul style="list-style-type: none"> <li>• Discuss with Broadband Team concerning functionality and code availability</li> <li>• Discuss adding a feedback button to MD iMap Portal webpage</li> </ul>	<p>Updated: 10/4/11</p> <p>Submitted: 12/21/10</p>	<p>Outreach Subcommittee Lisa Lowe</p>
<ul style="list-style-type: none"> <li>• Recruit participants</li> <li>• Obtain feedback concerning how to improve upon current outreach strategies</li> <li>• Email potential new members directly</li> </ul>	<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"> <li>Proactive Marketing of MD iMap</li> </ul>	Submitted: 9/21/10	Outreach Subcommittee
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<b>Security Subcommittee:</b>		
<b>Description:</b>	<b>Date Assigned:</b>	<b>Follow Up By:</b>
Charter <ul style="list-style-type: none"> <li>Generate a charter</li> </ul>	Submitted: 12/7/10	Security Subcommittee
Security Model <ul style="list-style-type: none"> <li>On hold for funding availability</li> <li><del>Provide a copy of MD iMap Security Presentation to Brian Sivak (Jim Cannistra)</del></li> <li><del>Price quotes from proposal submission to be updated</del></li> <li><del>Additional documentation needed to address:               <ul style="list-style-type: none"> <li><del>Cost of Delay</del></li> <li><del>Justification of security (limitations, efficiencies)</del></li> <li><del>Needs Assessment to determine groups and definitions</del></li> </ul> </del></li> <li><del>Schedule meeting for Friday, October 22, 2010 to formalize document and format presentation for October 27, 2010 Exec. Comm. meeting</del></li> <li><del>Generate detailed document and presentation for October 27, 2010 Exec. Comm. meeting</del></li> <li><del>Document for presentation to Exec. Comm. at Oct. meeting</del></li> <li><del>Demo accompanying document to Exec. Comm. at Oct. meeting</del></li> <li>In progress, to be submitted by next Tech. Comm. meeting (10/5/10)</li> </ul>	Updated: 6/7/11; 3/1/11; 10/27/10; 10/19/10; 9/21/10  Submitted: 8/3/10	Security Subcommittee

**COMPLETED ACTION ITEMS:**

<b>Description:</b>	<b>Date Assigned:</b>	<b>Follow Up By:</b>
MDP Applications <ul style="list-style-type: none"> <li>Generate wording for tweet, portal post and email concerning launch of these new applications</li> </ul>	Submitted: 8/7/12	Jim Cannistra & Julia Fischer
Stronger Maryland Together Campaign <ul style="list-style-type: none"> <li>Blog URL from Ashley Buzzeo, document from CGIS</li> <li>MSGIC Quarterly June</li> <li>Write synopsis of process and see if update manual can be shared with the group</li> </ul>	Updated: 3/23/12; 11/15/11  Submitted: 11/1/11	Michael Bentivegna
Future of Flex Programming <ul style="list-style-type: none"> <li>PowerPoint presentation available on MSGIC website (<a href="http://www.msgic.state.md.us/pppres.asp">http://www.msgic.state.md.us/pppres.asp</a> – S. Anderson from July 16, 2012 Quarterly Meeting)</li> <li>Approach Steven Anderson (Axis Geospatial) about presenting his</li> </ul>	Updated: 9/4/12  Submitted: 11/1/11	Jim Cannistra

pros/cons presentation to the group		
<p>“Political Boundaries” Map Service</p> <ul style="list-style-type: none"> <li>• MXD and data submitted by Cindy Powell at DNR</li> <li>• MXD modified in May 2011</li> <li>• Review the “Political Boundaries” map service, determine the source and last update date</li> </ul>	<p>Updated: 10/4/11</p> <p>Submitted: 6/7/11</p>	<p>Ashley Buzzeo Brad Wolters</p>
<p>Basemap Template Upgrade/Gazetteer Service Update</p> <ul style="list-style-type: none"> <li>• Review and provide feedback to Ashley Buzzeo (Technical Committee)</li> <li>• Provide hours concerning clean-up, update and reaching of this layer (Ashley Buzzeo)</li> <li>• Submit additional comments for updates to Ashley Buzzeo</li> <li>• Obtain most up-to-date county boundary from SHA</li> <li>• Add state and county boundaries and Interstate and US Highways for all states adjacent to Maryland and NJ</li> <li>• Comments for changes should be sent to Ashley Buzzeo</li> <li>• Meeting to be scheduled to discuss next steps</li> <li>• Upgrade basemap using Esri template</li> </ul>	<p>Updated: 6/7/11; 4/5/11; 1/4/11; 12/21/10</p> <p>Submitted: 10/19/10</p>	<p>CGIS Data &amp; Resources Subcommittee Technical Committee</p>
<p>License Agreement in regards to Code Sharing</p> <ul style="list-style-type: none"> <li>• Brian Sivak wants applications and their code to be in the public domain and freely available for sharing</li> <li>• Awaiting response from Kenny Miller concerning how to proceed</li> <li>• Check with Brian Sivak for comment concerning whether to code share through MD iMap Portal or another open source repository</li> </ul>	<p>Updated: 11/1/11; 7/5/11; 6/21/11</p> <p>Submitted: 6/7/11</p>	<p>GIO</p>

## Introductions

*Round-the-room*

## Google Map Engine Follow-Up

- Accounts for pilot project have been deleted
- Tweaks still need to be done to Map Engine capabilities
  - Large amounts of data could not be handled fluidly
  - Something that is supposed to be addressed within the next 90 days
- Browser accessibility needs to be addressed
  - IE9, Chrome and Firefox are supported
  - IE8 not supported for uploading (User can be IE8, but not a publisher/data uploader)
- Security is in question concerning putting sensitive layers onto the Cloud
- Easy for uploading layers, quickly completed
- Interoperability factor has not been clear and is still a concern
  - Working to get some of the ArcGIS services into the application, which can be done
  - How is the best way that these services can be consumed? The speed of refresh?

- Recommend that this is the way to go for mobile applications
  - Allows for quick deployment
  - Allows for deployment of applications outside of existing internal network firewalls
- Need to conduct some formal benefit analysis concerning ArcGIS Online and Google products
  - \$20,000 for Google Maps for Business per year
    - New account provisioned
      - 10GB map data
      - 1million public map loads
      - 100,000 private map loads
  - \$20,000 for Google Maps for Government per year
    - New account provisioned:
      - 10GB map data
      - 10 million public map loads
      - 10,000 private map loads
  - \$2,500 for 500GB incremental map data for base environment
    - Must be sold in quantities that co-term with the primary account
  - Additional charges for internal and external map loads
- Benefits/Unique features of product include:
  - Symbology
  - Animation
  - Mobile development
- CityEngine
  - Rendering of a scene for determination of change and projected development
  - Not a streaming rendering of the 3D environment
- Accessibility outside of the secured environment
- Group suggests that a relationship be setup with Google to “beta test” the application for the next 6 – 12 months
- Similar situation to ArcGIS Online where the product was available for agencies to start using and determine how and what application it might have for their organization
- 6 – 12 month time frame would also allow Google time to add some additional features which are key to permanently integrating this resource

**Action Item:** Negotiate with Google through the existing Google contract with DoIT (Barney Krucoff)

### **CycleMD Mobile Application Development**

- Meeting this Thursday (9/6/12)
- Three phases:
  - Report to Governor/StateStat about ped/mobile
    - Meeting tomorrow to assess needs internally for reporting (key performance areas)
    - JavaScript development, focusing on for tablet (mobile-friendly format)
    - KCI: 3 – 6 month time frame, show some wireframes (show to Technical Committee)
  - Mobile component: points of interest truck map site, replacing paper maps
  - Internal: cycle planning

- Needs to be mostly done and moving by February 2013 (A&E to CATS environment movement)
- Done within 6 months, have to determine next vendors based on CATS+ participants
- Had some internal meetings, worked with MDOT and mobile planning folks to determine first step
- Meeting on Friday about bike lanes, who will collect, how they will be kept up-to-date
  - Conduct the collection and maintenance once and share information with all groups
- CycleMD mapping application has been pulled internally and is not currently available externally
- Beginning stages of getting people on board
  - Will setup a meeting to demo with the MD iMap Technical Committee for comments in the future

### **Application Subcommittee Updates**

*No updates at this time*

### **Data and Resources Subcommittee Updates**

- Map Services Updates In Progress:
  - Sustainable Communities
- Map Service Updates Complete:
  - Arts & Entertainment Districts
  - Priority Preservation Areas
  - Unemployment Rates
  - All MDP services
  - Enterprise Zones
- Replaced 3 tiles of 6 inch imagery that were corrected

### **Education and Outreach Subcommittee Updates**

*No updates at this time*

### **Security Subcommittee Updates**

*No updates at this time*

### **Additional Business**

- VBA license needs to be activated and installed on DoIT servers which host the central license manager in order to access specific aspects of Maryland Property View product
  - VBA, SDK under developer tools
  - Jason Keppler working with DoIT and Esri to resolve
- Quantum – is anyone using with WFS, WMS services?
  - If yes, what level of success has been had? – contact Matt Folley for follow-up/comments