

MD iMap Technical Committee Meeting Minutes

Place: Maryland Department of the Environment (MDE): Terra Conference Room (Baltimore, MD)
Date: 6/5/12
Time: 1:00 PM – 3:00 PM
Attendees: Rowland Agbede (MDA), Jim Cannistra (MDP), Kaushik Dutta (MDTA), Jennifer English (DHMH), Bill Fearington (DHS), Julia Fischer (DBED), Jason Keppler (MDA), Barney Krucoff (GIO), Lisa Lowe (DNR), Kate Majchrzak (MDE), Tom Nasuta (MDE), Frank Siano (MDE), Marshall Stevenson (KCI), Michael Stranovsky (Frederick County) and Brad Wolters (DHCD)

AGENDA:

- Introductions 1:00 – 1:10
- ArcGIS Online Premium Beta Update – *Barney Krucoff* 1:10 – 1:30
- Google Earth Builder Update – *Kaushik Dutta* 1:30 – 1:50
- MDP Evaluation of City Engine – *Jim Cannistra* 1:50 – 2:00
- Update of MD iMap Parcel Data – *Jim Cannistra* 2:00 – 2:10
- ArcGIS Version 10.1 Migration Discussion 2:10 – 2:30
- Application Subcommittee Updates 2:30 – 2:40
- Data and Resources Subcommittee Updates 2:40 – 2:50
- Outreach Subcommittee Updates 2:50 – 2:55
- Security Subcommittee Updates 2:55 – 3:00

NEW ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Google Earth Builder Update • Check DoIT standards/plans for web browser utilization	6/5/2012	GIO
Google Earth Builder Update • Check MDtA CIO standards/plans for web browser utilization	6/5/2012	Kaushik Dutta
Google Earth Builder • Rowland Agbede & Brad Wolters to be provided username and passwords	6/5/2012	Kaushik Dutta
Google Earth Builder • Rowland, Brad and Julia Fischer to test accessibility and performance	6/5/2012	Rowland Agbede,

		Brad Wolters & Julia Fischer
MDP Evaluation of City Engine <ul style="list-style-type: none"> Determine current status of ELA amendment and discuss with Anthony Puzzo 	6/5/2012	Deputy GIO & Jim Cannistra
Invite Greg Slater to July MD iMap Meeting	6/5/2012	Co-Chairs
Topography Updates <ul style="list-style-type: none"> Share Salisbury map service URL with the group 	6/5/2012	GIO

ON-GOING ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Central License Server <ul style="list-style-type: none"> Contact Barney Krucoff if you want to test your agencies' accessibility to CLS 	Submitted: 12/6/11	Technical Committee
ELA License Request Form/Website <ul style="list-style-type: none"> Website is now ready (Must have SwGi connectivity to access) (https://www.doit.state.md.us/selectsurvey/TakeSurvey.aspx?SurveyID=n4LJ5n4) 	Updated: 2/8/12; 12/20/11; 12/6/11 Submitted: 11/1/11	GIO
ELA Renewal <ul style="list-style-type: none"> Post GSA price schedule for reference 	Submitted: 11/1/11	GIO
ELA <ul style="list-style-type: none"> Provide list of contributing agencies to MD iMap Tech Comm Provide list of contributing agencies 	Updated: 11/1/11; 8/2/11 Submitted: 7/19/11	GIO

Application Subcommittee:		
Description:	Date Assigned:	Follow Up By:
Socrata <ul style="list-style-type: none"> Demo GIS data options to group 	Submitted: 3/6/2012	CGIS
SwGi/Version 10.1 Migration <ul style="list-style-type: none"> Invite Esri to participate in a design session 	Submitted: 3/6/2012	GIO
Stronger Maryland Together Campaign <ul style="list-style-type: none"> Write synopsis of process and see if update manual can be shared with the group 	Updated: 11/15/11 Submitted: 11/1/11	Michael Bentivegna
Future of Flex Programming <ul style="list-style-type: none"> Approach Steven Anderson (Axis Geospatial) about presenting his 	Submitted: 11/1/11	Jim Cannistra

pros/cons presentation to the group		
<p>Application Specific Services</p> <ul style="list-style-type: none"> Facilitate a discussion with CGIS concerning potential options for map service storage and organization 	<p>Updated: 11/1/11</p> <p>Submitted: 7/5/11</p>	GIO
<p>Support of StateStat Application (Capital Budget & ARRA applications)</p> <ul style="list-style-type: none"> Graph of hours/budget of efforts to support these applications (CGIS) Provide an understanding of when support crosses from normal, budgeted attention to custodian of application needs to be charged extra because of rush charge, etc. (CGIS) 	<p>Submitted: 6/21/11</p>	CGIS
<p>Application Submission Procedures</p> <ul style="list-style-type: none"> Update detailed procedures for application creation and update Resend Application Submission Procedures draft to Technical Committee (Co-chairs) 	<p>Submitted: 6/21/11</p>	Technical Committee
<p>License Agreement in regards to Code Sharing</p> <ul style="list-style-type: none"> Brian Sivak wants applications and their code to be in the public domain and freely available for sharing Awaiting response from Kenny Miller concerning how to proceed Check with Brian Sivak for comment concerning whether to code share through MD iMap Portal or another open source repository 	<p>Updated: 11/1/11; 7/5/11; 6/21/11</p> <p>Submitted: 6/7/11</p>	GIO
<p>Code Acquisition for MD iMap Portal</p> <ul style="list-style-type: none"> Provide updated worksheet to Kenny Miller for review, after updates have been applied (Kaushik Dutta) Development Code Worksheet Generated (Kaushik Dutta) Date of Launch – add this additional column and information to worksheet (Kaushik Dutta) Work on filling in missing information (Kaushik Dutta & Kenny Miller) Meeting to be scheduled to discuss next steps Excel spreadsheet inventory being produced by CGIS and MES Actively being pursued Obtain Flex code from CGIS and MES for MD iMap-based applications 	<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
<p>Developer Contact List</p> <ul style="list-style-type: none"> Submitted to Deputy GIO 	<p>Updated: 9/20/11; 4/5/11; 12/21/10</p> <p>Submitted: 11/16/10</p>	Application Subcommittee Kaushik Dutta

Data & Resources Subcommittee:		
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
WFS-Enabled OSPREY Services <ul style="list-style-type: none"> Follow up with owners of OSPREY data to determine if layers can be WFS-enabled 	Submitted: 12/6/11	Julia Fischer
Log Package Acquisition <ul style="list-style-type: none"> Provide package name and cost for next meeting 	Submitted: 12/6/11	Michael Bentivegna
Loading 2011 Imagery <ul style="list-style-type: none"> Will need to verify that the visual quality of .jpgs is as good as .tiffs 	Submitted: 12/6/11	Jim Cannistra
NAIP 2011 Imagery <ul style="list-style-type: none"> Check that DNR has this information to be posted on MD iMap 	Submitted: 12/6/11	Kevin Coyne
GreenPrint Mapping Application <ul style="list-style-type: none"> Determine if GreenPrint version on MD iMap infrastructure can be removed 	Submitted: 11/15/11	Kevin Coyne
Data Submission Policy Updates: <ul style="list-style-type: none"> Add "Update frequency, "Last updated" and "WFS-enable: Y/N" in Data Submission Policy 	Submitted: 10/4/2011	Data and Resources Subcommittee
WGS Basemap from OSPREY <ul style="list-style-type: none"> Check to determine status of providing this basemap via MD iMap 	Submitted: 10/4/2011	Data and Resources Subcommittee
SHA Basemap <ul style="list-style-type: none"> Cache being reviewed by SHA, awaiting their response MXD being generated, cache to follow Obtain information from SHA, re-cache and add as map service to MD iMap 	Updated: 3/6/12; 12/6/11 Submitted: 10/4/2011	Ashley Buzzeo
GIS/Archives Appraisal Questions <ul style="list-style-type: none"> Distribute survey to as many municipal, county and state agencies, as possible, for potential participation 	Submitted: 7/5/11	Technical Committee
Feedback/Requests concerning MD iMap <ul style="list-style-type: none"> Check for hillshade, which can be added as map service, @ MDP Add Hillshade Service: Inquire at DNR if they have a hillshade available Add Map/Parcel ID Look-Up: Follow up with requestor (Jason Zhao – MDE) to clarify request 	Updated: 10/4/2011 Submitted: 6/7/11	Jim Cannistra
"Political Boundaries" Map Service <ul style="list-style-type: none"> MXD and data submitted by Cindy Powell at DNR MXD modified in May 2011 Review the "Political Boundaries" map service, determine the source and last update date 	Updated: 10/4/11 Submitted: 6/7/11	Ashley Buzzeo Brad Wolters

<p>Point of Interest/Place Name Geocoder</p> <ul style="list-style-type: none"> Ashley Buzzeo will work with Brad Wolters to determine if this composite geocoder will meet these additional search criteria needs 	<p>Submitted: 1/18/11</p>	<p>Ashley Buzzeo Brad Wolters</p>
<p>WFS Services</p> <ul style="list-style-type: none"> Top 10 list to be assembled during next Data & Resources Subcommittee meeting List of enable services, email to group 	<p>Updated: 4/5/11 Submitted: 3/15/11</p>	<p>Ashley Buzzeo Data & Resources Subcommittee</p>
<p>Web Mercator Data Service Projection</p> <ul style="list-style-type: none"> 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: 3/6/12; 10/4/11; 4/5/11 Submitted: 1/4/11</p>	<p>CGIS</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 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: 1/18/11; 1/4/11; 12/21/10; 10/5/10; 8/3/10; 7/12/10; 6/22/10; 5/18/10 Submitted: 4/20/10</p>	<p>Data & Resources Subcommittee Co-chairs</p>
<p>Basemap Template Upgrade/Gazetteer Service Update</p> <ul style="list-style-type: none"> Review and provide feedback to Ashley Buzzeo (Technical Committee) Provide hours concerning clean-up, update and reaching of this layer (Ashley Buzzeo) Submit additional comments for updates to Ashley Buzzeo Obtain most up-to-date county boundary from SHA Add state and county boundaries and Interstate and US Highways for all states adjacent to Maryland and NJ Comments for changes should be sent to Ashley Buzzeo 	<p>Updated: 6/7/11; 4/5/11; 1/4/11; 12/21/10 Submitted: 10/19/10</p>	<p>CGIS Data & Resources Subcommittee Technical Committee</p>

<ul style="list-style-type: none"> • Meeting to be scheduled to discuss next steps • Upgrade basemap using Esri template 		
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Education & Outreach Subcommittee:		
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"> • Link to Merlin needs to be added to MD iMap Portal webpage 	Submitted: 12/21/10	Lisa Lowe
<ul style="list-style-type: none"> • Discuss with Broadband Team concerning functionality and code availability • Discuss adding a feedback button to MD iMap Portal webpage 	Updated: 10/4/2011 Submitted: 12/21/10	Outreach Subcommittee Lisa Lowe
<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 Subcommittee
<ul style="list-style-type: none"> • Proactive Marketing of MD iMap 	Submitted: 9/21/10	Outreach Subcommittee

Security Subcommittee:		
Description:	Date Assigned:	Follow Up By:
Charter <ul style="list-style-type: none"> • Generate a charter 	Submitted: 12/7/10	Security Subcommittee
Security Model <ul style="list-style-type: none"> • On hold for funding availability • Provide a copy of MD iMap Security Presentation to Brian Sivak (Jim Cannistra) • Price quotes from proposal submission to be updated • Additional documentation needed to address: <ul style="list-style-type: none"> ○ Cost of Delay ○ Justification of security (limitations, efficiencies) ○ Needs Assessment to determine groups and definitions • Schedule meeting for Friday, October 22, 2010 to formalize document and format presentation for October 27, 2010 Exec. Comm. meeting • Generate detailed document and presentation for October 27, 2010 Exec. Comm. meeting • Document for presentation to Exec. Comm. at Oct. meeting • Demo accompanying document to Exec. Comm. at Oct. meeting • In progress, to be submitted by next Tech. Comm. meeting 	Updated: 6/7/11; 3/1/11; 10/27/10; 10/19/10; 9/21/10 Submitted: 8/3/10	Security Subcommittee

(10/5/10)		
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COMPLETED ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Google Earth Builder Pilot <ul style="list-style-type: none"> • Double check w/Jim Cannistra before committing MDP to participate 	3/6/2012	Matt Folley
Google Earth Builder <ul style="list-style-type: none"> • Set up another meeting to move business plan forward 	6/5/2012	Kaushik Dutta

Introductions:

Round-the-room

ArcGIS Online Premium Beta Update – Barney Krucoff

- Governor’s Hurricane TTX used it this week
 - OSPREY not iPad friendly, so ArcGIS Online was used as alternative
 - Put up datasets quickly
 - Did not take advantage of Premium capabilities specifically
- 1,000 point limit for import → browser limitation
 - Even impact at Premium level
 - What is the real benefit of Premium?
- Not pulling actual features, just creating graphic renderings
- Work around: add features into Google Docs → export .csv file → allows for 2,000 points to be imported
- Note: Feature services can be time enabled only if published through ArcGIS Server directly
- Edits to a service have to be downloaded and entered back into the original data
- What about licensed products which need to be served out at a specific agency only?
- Administrators of Premium: Lisa Lowe & Kenny Miller
 - Department of Agriculture needs to migrate their existing Premium accounts to the centralized State account
 - Request to be made an administrator for the migration
 - Request that they report back to the group with feedback on the process

GIO Office Updates – Barney Krucoff

- Start date for those being reassigned is July 2, 2012
- Dashboard interest
 - OSPREY – Homeland Security
 - DLLR – Employment
- HistoryPrint is another application the Governor would like to see developed in the near future

- Census, Post Office and Communities of Maryland are participating in an addressing pilot
 - MDP also involved in this effort
 - Going well
 - Special feedback to come from the Census as part of this effort

MD iMap Executive Committee – *Barney Krucoff*

- Reviewed applications of those who would like to be representatives on the committee
 - 5 local government seats
 - 5 non-government seats
- Recommendations of the panel have been made
- Hope recommendations are accepted and notification can go out in mid-June
- First meeting to be scheduled in late July based on current schedule
 - Agenda to include going through the Executive Order, requirements and goals of the group
- Impressed with the level of interest and quality of candidates
 - Hope they get involved in Technical Committee also
 - Received a broad group of sectors to select representatives from

Google Earth Builder Update – *Kaushik Dutta*

- MDP, DBED, SHA, MDtA have been participating in the pilot to date
- Some layers have been uploaded for pilot
 - Municipal boundaries, historic data now available
 - MDP would like to test loading/performance of census geography – large vector file
 - MDP would like to test loading/performance of imagery file – large raster file
- Web browser issue concerning uploading data
 - Earth Builder does not support IE8, only IE 9 & higher or Chrome
 - State standard is currently IE8 with many agencies in the process of migrating to higher version of IE and Chrome
 - By July 2012, 12,000 state users will have Chrome access and state recommending all agencies to migrate to Chrome web browser as the state migrates to the Google email system
- DoIT recommending installation of Chrome

Action Item: Check DoIT standards/plans for web browser utilization – Barney Krucoff

Action Item: Check MDtA CIO standards/plans for web browser utilization – Kaushik Dutta

- Google Earth can view data
- See how functionality works on Google Earth needs to be tested
 - Checked on some computers at MDP and performance was slow

Action Item: Rowland Agbede & Brad Wolters to be provided username and passwords – Kaushik Dutta

Action Item: Rowland, Brad and Julia Fischer to test accessibility and performance

 - In Google Earth, log in under File, recommended over logging into Google through the web browser and they accessing Google Earth

Action Item: Set up another meeting to move business plan forward – Kaushik Dutta

MDP Evaluation of City Engine – Jim Cannistra

- 3D visualization capabilities
 - Ability to display existing conditions and projected conditions is of interest to MDP
- Utilizing a 60 day evaluation CD obtained from Esri
- Seems to be future of Esri's 3D offerings
- MDP used parcels or existing buildings → apply facades and roads with automated scripting
- Tested Howard County data with in-house Esri assistance
 - Looking to do more robust test
- ArcGlobe utilization helps with some aspects
- 1 or 2 licenses, something needs to be activated
 - MDP requesting additional access – function like extension (check in/out)
- Takes 2D buildings which can be pre-processed, zoning class, type of structure, height
 - Apply to footprint universally
 - Simple extrusions cannot cover all needs
- Promising product

- Looking to amend ELA for some concurrent seats of Business Analyst
- Contract amendment has gone back to Esri – don't know status

Action Item: Determine current status of ELA amendment and discuss with Anthony Puzzo – Jim Cannistra & Barney Krucoff

- Community Analyst has been investigated also by DHCD; Policy Map
 - Cannot be available as concurrent license
- Business data purchase from infoUSA: \$50,000 - \$60,000 for point data
- Comparison of Community Analyst and Business Analyst should be done to see how much these products overlap and determine if a concurrent license of Business Analyst could meet the majority of needs of agencies while offering a cost sharing option
- Demographic data is of great interest

Update of MD iMap Parcel Data – Jim Cannistra

- Charles County finished post-processing and parcels have been loaded into MD iMap
- Polygon coverage now available for the entire state
- Some counties are open to WFS enabling their parcels
- Some counties still not open to freely sharing parcels
 - Reasons include: interest in selling data, privacy concerns and other business reasons
- CAP Grant: generate a business plan concerning how to increase distribution
 - Move technical and policy progress forward
 - Move from enterprise funded to sustainable
- Hope to bring completed business plan to MD iMap Executive Committee and provide advice to the Governor for support
 - Funding process is ultimate goal (sustainability)
- Other state agencies can get parcel data from MDP with permission by counties
 - Has been done, can be requested

- A letter stating the project the data will be used for and some explanation of why parcels are needed is necessary for those requesting parcels for the entire state
- An email stating the project the data will be used for and some explanation of why parcels are needed is necessary for those requesting parcels for a limited number of jurisdictions or areas
- These will be forwarded to the counties for approval
- Contact Jim Cannistra if interested (centralize requests to the counties)
- Delivery provided via ftp site
 - Processed shapefiles are on MD iMap with account number and other attributes
 - These are the parcels that would be provided to a requestor
- Want to remove older parcel services from MD iMap
 - Message what it going to occur and provide alternative map service option to replace the services to be removed
- Parcels are updated on a 6 month cycle
 - Working to get this update cycle to quarterly
 - Keeping metadata for individual counties up-to-date and accurate
- Next update scheduled for this summer
- Additional attributes to be included with the parcel service is pending
- OSPREY has cascading geocoding service
 - Promising potential for integration with MDPV addresses in future

ArcGIS Version 10.1 Migration Discussion

- Agencies can move as they want for desktop software
- License manager 10.0 will support desktop 10.1
- Want to get those running 9.x up to 10
 - Want to determine why they are still running a 9.x version?
- MDtA has been migrated to utilizing the Centralized License Manager (CLM)
 - Hard to track hiccups and what portion of the network is causing outages or issues with connectivity
- Recommend emailing user management when licenses go down to help determine if the issue is universal or local
 - Email Recipients: Lisa Lowe, Julia Fischer, Kaushik Dutta, Jim Cannistra, Kenny Miller & Barney Krucoff
- Encourage all agencies to utilize CLM which will allow for tracking of license usage and assist with ELA renegotiation
- Note: Upgrade desktop first, before upgrading ArcSDE
- Currently in the process of pricing with CGIS on responsibilities for the upcoming FY including migration of the MD iMap server to 10.1
 - Anticipate the migration to occur sometime in Fall 2012

- Process to complete: redesign data infrastructure → upgrade server to 10.1 → load data onto upgraded server with new design → point upgraded applications to new data location

Application Subcommittee Updates

Action Item: Invite Greg Slater to July MD iMap Meeting – Tech Comm Co-Chairs

- MAA & MDtA discussion – CAD RMS (Computer Aided Dispatch Record Management System) contract renegotiations in progress
 - Expect to move from Esri geocoder to Google based geocoder
 - Requires purchasing Google Maps Enterprise API – do we have standards for work done with this resource?
 - New vendor has Google built into their solution

Data and Resources Subcommittee Updates

- CGIS actively working on scoping out next round of funding and meeting with Barney and Kenny on Friday to finalize
 - Biggest tasks include architecting AGS to 10.1 and implementing 10.1 and SwGI access

Other updates include:

- Implementation of PollMap
 - Question of the week from the Governor’s Office
 - Can see response by zip code
 - Accessible via Governor’s website
- Budget Map, StateStat, TreePlanting, StreamHealth applications have been updated
- Created Targeted Areas services for DHCD
 - Census tracts which qualify for state benefits concerning low finance rates on mortgages
 - Generated from older census tract data
 - More information can be obtained from Brad Wolters
- Created Mean High Water service
- Created CIR service for Western Shore imagery
- Unemployment, Rural Legacy, Program Open Space, Maryland Environmental Trust Service, Composite Imagery and 6” Imagery services have been updated
- Topography updates
 - **Action Item:** Share Salisbury map service URL with the group – Barney Krucoff
 - Would like to have this show up as a searchable item on the service page of the Portal even though the service is not on the MD iMap servers
 - Contours are of particular interest
- GIO Office staff will be assigned “territories” and data layers to check on and try and obtain for sharing
- Basemap has been updated based on changes requested by the Broadband Mapping group
 - BB group funded basemap upgrades
 - These have been completed

- Ideally once migration to 10.1 is complete, there will also be a push to make all map service WGS projected and the commercial basemaps will be relied upon, rather than the Gazetteer basemap from MD iMap