



MSGIC Quarterly Committee Meeting

October 17, 2012 | 9 a.m. – 3:30 p.m.

Frederick Community College, 7932 Opossumtown Pike, Frederick, MD

ATTENDEES:

Executive Committee:

Jim Cannistra	MD Department of Planning	Chair
Mark Helmken	Towson University Center for GIS	Chair Elect
Michael Scott	Salisbury University/ESRGC	Past Chair
Julia Fischer	MD Geographic Information Office	Secretary
Doug Reedy	Frederick County Government	Treasurer
Lauren McDermott	Salisbury University/ESRGC	Education Subcommittee Chair
Roger Barlow	U.S. Geological Survey	Federal Government Caucus Chair
Jaime Alvarez	Community College of Baltimore County	Education Caucus Chair
Barney Krucoff	MD Geographic Information Office	Maryland GIO

Members:

Doug Adams	Baltimore County Government
Zachary Baccala	Atkins
Trevor Bozarth	Dorchester County Government
Debbie Carpenter	Garrett County Government
Chris Corbelli	Frederick County Government
Mary Creamer	Eastern Shore Regional GIS Cooperative (ESRGC)
Brett Dobelstein	Eastern Shore Regional GIS Cooperative (ESRGC)
Steve Eick	Fugro Earthdata, Inc.
Molly Griffin	Eastern Shore Regional GIS Cooperative (ESRGC)
Bud Gudmundson	Washington County Government
Rob Hayward	Maryland Environmental Service
Kevin Holmes	U.S. Census
Ken Juengling	Dewberry
Tim Lesser	URS Corporation
Gretta Luedeke	U.S. Department of Agriculture
John Madigan	Unaffiliated
Johnathan Mann	Century Engineering, Inc.
Patrick McLoughlin	Spatial Systems Associates, Inc.
Bill Merrey	Straughan Environmental
Kenny Miller	MD Geographic Information Office (Maryland Deputy GIO)
Virginia Peterman	Howard County Government
Jeanne Ruthloff	Johnson, Mirmiran & Thompson (JMT)
Boleslav Shklyar	Howard County Government
Erin Silva	Eastern Shore Regional GIS Cooperative (ESRGC)
Robert Slivinsky	Howard County Government
Larry Swift	Maryland Environmental Service
Mohammad Tariq	Peak Technology Solutions, Inc.

Eric Williams	STV Incorporated
Tim Williams	City of Hagerstown
Kevin Wurster	Geostellar, Inc.
Alison Yeloushan	Dewberry

Guests:

Brad Arshat	The Sanborn Map Company, Inc.
Ralph Cubayah	University of Maryland (Guest Speaker)
Richard Deal, Jr.	Geostellar, Inc.
Theresa Martin	City of Laurel
George Myer	Unaffiliated
Matt O'Connell	Sabra, Wang & Associates, Inc.
Elliott Plack	Baltimore County Government
Jeff Roberts	Johnson, Mirmiran & Thompson (JMT)
Dan Thomas	Greenhorne & O'Mara
Austin Williams	Unaffiliated

Welcome and Opening Remarks – Jim Cannistra, MDP – Chair

- Today's vote is limited to MSGIC members only
 - Sample by-laws and ballots will be passed out before the vote this afternoon

Project Updates

GIO Update – Barney Krucoff, Maryland GIO (Presentation Slides Available)

- Now have staff which is biggest change since last year
- Chart displaying how the staff is deployed
 - Assigned to state agencies by groupings
 - Agencies which don't have a clear home will be assigned to a group as needed
 - Assigned to different parts of the state to provide support and meeting attendance
- Pre-assigned buckets of who is working where
 - Please use the chart to determine who to reach out to
 - Please also familiar yourself with the representative for your area, agency or discipline because they will also proactively be contacting you
- Few vacancies on the list
 - Yesterday received authority to fill two open position
 - One each – State Employee Grade 19 & 17
 - GIS experience, Project management experience, Law enforcement area and healthcare area
 - Hope to have these postings listed soon
- Opening being filled through SU addressing coordinator for the State
 - Try and aggregate existing data from local governments and MDPV
 - Also working on putting together a cascading geocoder which is tied to these addresses
 - Received over 20 resumes for this position and hope to have it filled soon
- 2 software developers from the private sector on staff now
 - Starting the process to convert the Flex/Flash applications into JavaScript
 - Programming language that will work in the mobile environment
- CATS+ contract being reviewed right now, has GIS portion

- Looking to do another master contract which will have GIS focus specifically
- Functional areas include: Photogrammetry, GIS Services and maybe Cloud Services
- Might come out this winter, still working on drafting this document
- New model for migrating the applications currently out there
 - These existing applications were not built from a central resource
 - Now have central resource and assistance will be provided to move these applications over
- Keeping the 10.0 environment, but putting work into new 10.1 environment
 - Existing data is an organic collection of map services and data sets with more of an application specific focus
 - Might have duplicate map services of data which are assigned to unique applications
 - Most are compact cache services, but can't add a column or change symbology
 - This has driven people to have their own stores of data replicated
 - Allowing for re-projection of the data
 - Planning to move the data to Web Mercator projection and make them feature services so they can be downloadable and useable beyond just providing a 2D displayable service
- Updating Portal
 - Adding more connections to other GIS user groups, including MSGIC
- CGIS is prime contractor of MD iMap
 - Working on more security and better access to the backend of the system
- TUgis 2013 Conference
 - March 19, 2012
 - In the past has been a 2 day conference and not a Maryland state conference specifically
 - New leadership
 - Lower cost for vendors and those who want to attend (\$50 – \$75) – not sure specific cost yet
 - Between GIO Office and MSGIC we have first 2 hour block to be used to get state on the same page
 - Working on this opening presentation
 - Want to get all state and local employees who are interested in attending to the conference
 - Anticipate that these employees will draw more private contractors to the conference also
- MSGIC Executive Committee meeting goes into more detail on these initiatives and are able to provide more input and adjust the course of the group's initiatives
 - MSGIC Executive Committee meets 2nd Wednesday of every month, attendance is open to all
 - Meeting minutes are posted on the website
- Recently held the MD iMap Executive Committee meeting
 - Membership now includes regional and local government representatives, including MSGIC members and private sector representatives
 - Looking for opportunities to reach out to MSGIC members to provide comments moving forward

MD iMap (Presentation Slides Available)

Executive & Technical Committee – *Julia Fischer, DoIT*

- Executive Committee Meeting
 - Held on Tuesday, October 9 from 9 – 2:30p.m. at MDOT in Hanover, MD
 - Approximately 45 attendees, including many Directors, CIOs and Deputy Secretaries
 - Topics covered included:

- Ethics concerning non-State employee participants
- Current status/state of MD iMap
- Data Sharing Opportunities
 - Exploring a number of software packages which would allow for more cross platform data sharing
 - This includes allowing for map services created using Esri products to be shared with GIS users in the Google environment
 - ArcGIS Online is currently being added to the existing Esri ELA for Maryland
 - Google Maps Engine product was evaluated through a joint state agency pilot
 - Arc2Earth is an extension which works along with the ArcMap Desktop product from Esri
 - This extension allows for conversion of data from the ArcMap environment to .kml, which is viewable in the Google environment
 - This appears to be a straight forward solution to loading the data in one environment, but making the data accessible cross platform
 - This product has recently been demoed and a decision has yet to be made on whether or not to proceed with procuring this additional product
 - Socrata allows for data sharing of spatial and non-spatial data
 - CGIS is developing a tool which will allow for data to be added at the REST endpoint and shared across to the Socrata resource
 - Eliminating the need to enter the data twice
 - State of Maryland website: data.maryland.gov
- Application Updates
 - Continue to add new applications to the Portal
 - Provide marketing via email, Portal and Twitter for each new application added to Portal
 - Recent additions include: Septics Bill Guidance, Compare Land Use/Land Cover and Compare Population Growth from MDP
 - New contractors working on:
 - Inventorying all existing interactive mapping application related to MD iMap
 - Mocking up and beginning development on templates to be shared for migration and future development
 - Generating a list of common tools utilized by existing applications
 - Reaching out to owners of the initial application to be migrated
 - Anticipate sharing code on github.com
- Portal Updates
 - List of WFS-enabled map services was made available under the Help tab on the Portal
 - Instructions on how to download these map services is also available under the Help tab
- MD iMap Technical Committee meetings are held the 1st Tuesday of each month
- Next meeting scheduled for November 20th because State offices are closed 1st Tuesday of November

State Business Plan Updates (Presentation Slides Available)

Parcels and Orthoimagery – *Jim Cannistra, MDP – Chair*

- 2013 flight over eastern shore
 - All data produced to basic specifications as last Western shore collection
 - ECW being added as a deliverable from what was delivered for western shore
 - Separate world files for meters and feet
- Both datasets distributed to emergency response centers at counties, USGS and MD iMap
- Kenny Miller and Jim Cannistra presenting to Numbers Board on October 25th for funding request
 - Generally supportive in the past
 - Hope to get \$850,000 of funding approved at this meeting
- Expedite the delivery schedule of deliverables
 - All data completed and delivered by end of CY2013
- QAQC from counties will be 2 weeks – very aggressive process
- Last contract had option for extension for next cycle of updates
 - Axis Geospatial, URS is responsible for project management and QAQC
- Once funding is approved: quickly get flight plans produced and reviewed by counties
- All buy-up decisions needed by November 30, 2012
 - Includes: higher resolution imagery, LiDAR and obliques
 - Allows for a month to get paperwork in place before contract gets underway
- Looking like proceeding with Western Shore collection in 2014
 - Require new procurement vehicle
 - See no reason to change current specifications, options, etc.
 - Requires input of 911 center managers
- Value added mapping using base product for Western Shore imagery very useful for making the case and displaying the many benefits of repeated imagery collection
 - Compilation of planimetric data
 - Completion of contours using LiDAR
 - Taking base imagery and turning it into other useful products

- Available on request as a single image, 4 band
 - 3 band SID and 4 band jpegs to all counties have been provided already

Parcels

- Integrated parcel mapping initiatives
 - Combining data from counties and MDP
 - Registered to ortho imagery
 - currently working with a lot of eastern shore counties
 - completing Eastern shore, except Cecil co in 2013
 - additional 2 years at least to complete the state
 - by end of 2013 15 of 23 counties complete
- MDPV
 - Changing some of the tools in the next couple of months
 - Finder being changed to Quantum GIS, discontinuing Finder and replacing with Quantum GIS
 - New tool for those who don't have ArcGIS or other desktop software

- Low cost basic mapping and analysis of data
- To occur in January/February time frame with release of next year of MDPV
- 300 – 400 users of this product

FGDC CAP Grant

- MDP will be engaging community with requirements workshops
 - 3 workshops in January/February across the State
 - 3 – 5 year implementation strategy
 - Better integrate with county operations
 - Cost model that is different than the sale to agencies
 - Meetings with budget directors MDP and DoIT/DBM – moving toward different model for parcel based production and maintenance in the state
 - Maryland Property View (MDPV) data audit results
 - Found about 70 properties that were over the CAMA recorded value of square footage
 - 7 properties were under the recorded square footage
 - Acreage divergence were pretty extreme (80% of properties within 20% of divergence) – values were found to be more off than on

Federal Program Activities – *Roger Barlow, USGS Geospatial Liaison*

LiDAR Status

- Somerset/Wicomico Counties funded by NRCS
 - Data received by QA folks from contractor
 - Looked over and returned for corrections
 - Due back next week
 - Delivery process has been set, Michelle Guck will receive data and pass to SU once approved
- Allegany and Washington Counties 1/9th second LiDAR
 - Data received by QA folks from contractor
 - Returned for corrections
 - Expected to be returned week after next
- Frederick County
 - Due into USGS contractors November 30th and it will go through the same process at that point
- Carroll County
 - Received permission to put in public domain
 - Received final metadata, sent onto USGS for inclusion in national geodata elevation dataset tomorrow
- LiDAR collected in MD 2013?
 - Not aware of any at this time, no budget to complete this from Federal Government
 - No knowledge of statewide coordination for collection
- Federal LiDAR access
 - Digital elevation model – National elevation dataset place to go
 - State data – SU
 - Within a year, point clouds as deliverable to National elevation dataset

- Other plans to add contour information and grow that resource
- CLICKLIDAR site still active, NED relationship are coordinated
 - NED is only digital elevation models at this time
 - All information from LDART is in NED, not the other way around
 - Another good resource for point cloud in coastal states
 - DEMs have map services available from SU
 - 1 meter DEM to be provided

Shoreline Committee

- Compiled list of names interested in large resolution shoreline
- Coordinate projects going on, looking at methodologies for deriving
- 1: 2400 scale, usually 1:20000 or 1:24000, order of magnitude better
- Driven by USGS report from Asbury & Salenger – “Mid-Atlantic is a hot spot for sea level rise, which is not universal”
 - Mid-Atlantic defined as Cape Hatteras to Cape Cod
 - 3 to 4 times the average
 - Department of Natural Resources and control – 100 year estimate as much as 11% land loss in DE
 - How can you model inundation short term or long term without a consistent, accurate shoreline through a larger area?
- NHD training scheduled for end of November
- MSGIC Winter Quarterly meeting at USGS Water Center at UMBC

NSDI Category 3: Expanding the state GIS Inventory – CGIS

- Ramona – annual campaign
 - Handouts are available, post to MSGIC
 - Nine reasons for participating in this effort
 - Asking participants to help maintain this system, keeping it valuable for MD and the nation
 - Challenges in February and November 2011 added a significant number of data layers to the system
 - Currently have two main goals:
 - Data owners
 - Minimally compliant FGDC metadata
 - Asking all take a look at data and be as descriptive as possible with all entries
 - Do another 3 week campaign – November 26 – December 14, 2012
 - Additional information to be sent out as dates come closer
 - Data consumers
 - Increase number of users of the system
 - Public safety personnel and GIS users to update or create profile
 - During an emergency, this information can be pulled down
 - Webinars to be presented on how to work within the system
 - Contact CGIS employees with questions – Ashley Buzzeo

- U.S. Census Data releases
 - American Community Survey 1 year estimates from 2011
 - 5 year estimates in December
 - 3 year estimates in a month
 - Congressional districts were released on Monday, district data website
 - Tiger line 2012 released over the summer
 - Tiger web 2.0 redesign of the web mapping service and REST endpoints also available
 - Geographic support system initiative – 50 pilot counties in US, some will be in MD
 - Program to request local data to update tiger data through the decade

MSGIC By-laws – *Michael Scott, Salisbury University/ESRGC – Past Chair*

Discussion and Vote

- Voted for and approved and moved forward with making MSGIC 501(c)3
 - Started in July 2012
- Onto the last bit of structural adjustments to the bylaws to:
 - Improve relationships through all members of the group
- By-law changes were emailed out a month ago to the group as required by the bylaws
- Some basic corrections of spelling were made
- Changes include:
 - Rewording of goals, adding a goal of promoting partnerships..., tightened up the language of existing goals
- Membership changes in by-laws (Proposed)
 - Potential for charging dues
 - Came up when 501(c)3 dues were brought up
 - Lots of discussion about dues and Executive Committee in favor of putting forth some dues structure
 - Organizational dues at a slightly higher level which covers some or all employees of the organization
 - Discussion up in the air still, more discussions to occur
 - Could not have dues until this was added to the by-laws as something allowable
 - Covers basics of one vote per person, etc.
 - Sponsorship tiers were also added because there was no structure for accepting sponsorship from organizations more formally
 - Say they are a sponsor of MSGIC, gain marketing exposure, logos on websites, put up information at quarterly meeting
 - Organizations interested in creating this relationship, but couldn't
- Voting changes in by-laws (Proposed)
 - Voting can now be conducted electronically and does not have to always be at a quarterly meeting, had to be at a gathering in person in the past
 - Now much broader to allow for all members to participate in a vote
- Conflict of Interest changes in by-laws (Proposed)
 - Previously had been looking out for the best interests of the state and local governments
 - Need to change to any entity with a conflict of interest and not just those outside of the government arena

- Example provides specifications related to procurements, potential bidding contractors could not participate
- Product endorsements could represent a public of interest

Question: Can a sponsor be on the Executive Committee? – Is this considered buying a seat at the table?

- As long as votes are held in a democratic way, open and fair
 - Make sure we evaluate these things and make changes as situations arise
- Discount on membership, putting logos on website have been sponsorship benefits
- First part is voice vote on changing article 13
- Second part of acceptance of broader changes of the by-laws by ballot

Bylaw Changes

- Motion: Moved by Doug Reedy and seconded by Mark Helmken to change Article 13 of the by-laws and take these changes to the membership for future vote. **Motion Carried Unanimously**
- Return the completed ballots by lunch, Doug Reedy to collect and count the ballots with respond provided after we return from lunch

Voting Ballot:

“My vote regarding the MSGIC By-law changes that were approved by the MSGIC Executive Committee on September 12, 2012, as amended on October 17, 2012 is:

FOR the By-law changes

AGAINST the By-law changes

ABSTAIN”

Voting Results:

FOR the By-law changes: 36 (an additional 2 non-verified members)

AGAINST the By-law changes: 1

ABSTAIN: 2

Total Votes: 39 members, 2 non-verified members

Vote Passed

- Next steps for the Executive Committee to discuss dues and structure and provide this information back to the general membership for review and vote in the future

TUgis Conference Planning – *Mark Helmken, CGIS – Chair-Elect*

Presentation skipped due to time limits – Presentation posted on MSGIC website

Presentation – “**High Resolution Carbon Monitoring and Modeling for the State of Maryland**”

Presented by Ralph Dubayah, Professor, Department of Geographical Sciences, University of Maryland
(Presentation Slides Available)

Presentation – “Dewberry GIS Online”

Presented by Alison Yeloushan, Senior Manager, Geospatial Solutions, Dewberry
(Presentation Slides Available)

Presentation – “Building Maryland’s Community Anchor Institution Database”

Presented by Ashley Buzzeo, Ardys Russakis and Missy Valentino, CGIS
(Presentation Slides Available)

Presentation – “Baltimore Dakota Learning Camps”

Presented by Doug Adams, Baltimore County Government
(Presentation Slides Available)

Presentation – “ArcGIS for Server Web Editing”

Presented by Esri

New Business, Upcoming Events & Adjourn

GISDay

- MDP – meeting at University of Maryland to support their GIS Day
- CGIS – Crossroads School working on using Google application

Next Quarterly Meeting – January 16, 2013 in Catonsville, MD @ USGS Water Resources Center