



MSGIC Quarterly Committee Meeting
 July 24, 2013 | 9a.m. – 3:30p.m.
 College of Southern Maryland, La Plata
 Business Industrial Building (BI), Room 113

ATTENDEES:

Executive Committee:

Mark Helmken	Towson University Center for GIS (CGIS)	Chair
Julia Fischer	MD Department of Information Technology (DoIT)/ GIO Office	Chair Elect
Jim Cannistra	MD Department of Planning (MDP)	Past Chair
Doug Reedy	Frederick County Government	Treasurer
Scott Jeffrey	Community College of Baltimore County (CCBC)	Education Caucus Chair
Matt Webb	Anne Arundel County Government	Local Government Caucus Chair
Sandi Stroud	Baltimore Metropolitan Council (BMC)	Regional Caucus Chair
Erin Lesh	MD State Highway Administration (SHA)	State Government Caucus Chair
Patrick Callahan	Prince George's County Government	Data and Resources Subcommittee Chair
Michael Scott	Eastern Shore Regional GIS Cooperative (ESRGC)/ Salisbury University (SU)	Grant Development Subcommittee Chair
Ashley Buzzeo	Center for GIS at Towson University (CGIS)	Outreach Subcommittee Chair
Kenny Miller	MD Department of Information Technology (DoIT)/ GIO Office	Deputy GIO

Members:

Doug Adams	Baltimore County Government
Eric Benson	Mount Vernon Historic Estate
Francis Boylan	CCBC – CGIS
Mary Buffington (Creamer)	Eastern Shore Regional GIS Cooperative (ESRGC)
Brett Dobelstein	Eastern Shore Regional GIS Cooperative (ESRGC)
Jeff Edgin	St. Mary's County Government
Steve Eick	Fugro Earthdata, Inc.
Eric Flint	Eastern Shore Regional GIS Cooperative (ESRGC)
C Jane Gatewood	Gatewood Company, Inc.
Dave Glover	Community College of Baltimore County (CCBC)
Doug Goldsmith	KCI Technologies, Inc.
Molly Griffin	Eastern Shore Regional GIS Cooperative (ESRGC)
Michelle Guck	USDA – NRCS
Brittany Huber	Baltimore County Government
John Knowlton	URS
Kathryn Kulbicki	Westat
Jeff Lagana	SMECO
Linda Loubert	Morgan State University

Lisa Lowe	MD Department of Information Technology (DoIT)/ GIO Office
Johnathan Mann	Century Engineering
Amanda Martin	Baltimore County Government
Patrick McLoughlin	Spatial Systems Associates, Inc. Eastern Shore Regional GIS Cooperative (ESRGC)/ CAC
Ryan Mello	Caroline County Government
Joe Miller	Salisbury University
John O'Brien	Calvert County Government
Erick Pate	BAE Systems
Andy Pickford	Eastern Shore Regional GIS Cooperative (ESRGC)
Russell Provost	MD Department of Information Technology (DoIT)/GIO Office
Anthony Puzzo	Esri
Doug Reedy	Frederick County Government
Frank Rowe	Eastern Shore Regional GIS Cooperative (ESRGC)
Michael Shillenn	Photo Science
Matt Sokol	MD Department of Information Technology (DoIT) /GIO Office
Calvin Strozier	St. Mary's County Government
Mussie Tewolde	MD Department of Juvenile Services
Jim Triplett	HERE (Formerly NAVTEQ)
Al Wainger	Michael Baker
Shawn Wampler	City of Annapolis
James Watson	MD State Archives
Tim Williams	City of Hagerstown
Eric Williams	STV Incorporated
Charles Wrenn	Prince George's County Fire/EMS

Guests:

Kelli Baldwin	SMECO
Tom Booth	LMI
Brianna Bowling	Zekiah Technologies, Inc.
Vicki Cantrell	SMECO
Bill Cease	St. Mary's County Government
James Latham	SMECO
Gary Maragos	MD Department of Planning (MDP)
Dan McIntire	Axis Geospatial
Jenifer Pilkerton	SMECO
Rachel Pizarro	Amazon Web Services

Site Sponsor:



Continental Breakfast Sponsor:



Welcome and Opening Remarks – *Jim Cannistra – MSGIC Chair (outgoing)*

- Want to acknowledge participation of this year's Executive Committee
- There were 10 Executive Committee meetings throughout the year
 - These meetings were useful for discussing and disseminating GIS information throughout the State
 - Spent time getting to know each other and improve communications/connections moving forward

Asked what does MSGIC do or accomplish?

- Four Quarterly meetings were all well attended
- Overall quality of the presentations has been good
- Members actively participated in the TUgis Conference
- Focused on disseminate GIS information as an important role of the organization
- Moving towards a dues based structure
 - By-laws, website and framework changes have been actively worked on throughout the past year
- Successful with sharing information concerning larger data initiatives: LiDAR, imagery, address points
- Setup a good framework concerning the data sharing initiatives

- Mark Helmken: Assisted and leading the Quarterly meetings and spreading to many new locations
 - Last meeting in Southern MD was about 7 years ago
- Doug Reedy: Moving towards dues structure, first Treasurer for the organization, invaluable to setting up the checking account, PayPal account and other documentation related to these efforts
- Julia Fischer: Attended meetings and done job as Secretary putting together presentations and minutes for each Quarterly, important to get the information out to those who are not able to attend the meetings in person, contributed a lot of good ideas in how to increase the membership, 900 members at this time

- Increasing membership has been an on-going process
 - Only 300 to 400 members a few years ago

- Thank you to the Site Sponsor: Zekiah Tech
- Thank you to the Continental Breakfast Sponsor: Photo Science

Project Updates

Election Results – *Scott Jeffrey, Outreach Subcommittee Chair*

- Results are in
- 125 respondents to the voting survey
- Would like to see this increase in the future

- Chair-Elect: Julia Fischer (DoIT/GIO Office)
- *Secretary: Theresa (Tari) Martin (City of Laurel)
- *Treasurer: Doug Reedy (Frederick County)

Caucus Chairs:

- *Education: Scott Jeffrey (CCBC)
- *Federal Government: Roger Barlow (USGS)
- *Local Government: Matt Webb (Anne Arundel County)
- Private Industry: Marshall Stevenson (KCI Technologies, Inc)

- *Regional: Sandi Stroud (BMC)
- *State Government: Erin Lesh (SHA)

Subcommittee Chairs:

- Data and Resource: Patrick Callahan (Prince George's County)
- *Education: Lauren McDermott (ESRGC)
- *Grant Development: Michael Scott (Salisbury University)
- *Outreach: Ashley Buzzeo (CGIS)

** Positions were unopposed*

- Thanks to Jim Cannistra as Chair this past year
- Fostered an environment of inclusiveness, making a real effort to get everyone from the GIS community involved
 - Have gotten good representation in presenters and on the Executive Committee
- Moved us through to the non-profit status as an organization
 - Shepherded us through this process
 - A very significant accomplishment
- Also thanks for Mike Scott and Chris Slavin for seeding the non-profit idea
- Thanks for all Jim has done this year

Round the room introductions

Continental Breakfast Sponsor: Photo Science

- Worked with Doug Adams, Doug Goldsmith and Barney Krucoff, on projects, over the years
- Done work for SHA
- Has 9 offices across the country
- Provide LiDAR data and the full gambit of GIS-related activities and services

Site Sponsor: Zekiah Tech

- Software engineering and GIS solutions company
- Unique, small, woman-owned business that provides software and GIS together

Financial Report – *Doug Reedy, Treasurer (Presentation Available)*

- Thrilled to see new faces and new participants at our meetings across the state
- Bear with us as we get the membership standards in place
- New sponsors: CGIS, Esri, KCI Technologies, Maryland Society of Surveyors, PhotoScience, Prince George's County Office of IT-GIS (Staff was wonderful to work with), URS Corp (decided to become a sponsor since last Quarterly meeting)
- Beginning Balance as of 4/19/2013 = \$2,120.14
- New Sponsorships and Memberships brought in \$3,700.00
- PayPal transactions have accrued expenses of \$47.30
 - These covered fees for the transactions
 - These fees will come down in percentage as more transactions occur and dollar amounts go up
- No other expenses related to filing, bank fees or stamps, etc.

- Net Balance = \$5,772.84
- Revenue will all be put back into the organization as stated in the by-laws
- All revenues are greatly appreciated
- Expenditure guidelines are being worked on by Executive Committee
- Pointed out by Doug Adams that we need guidelines
- Seed document from Doug Adams was used to generate a draft, which is currently under review by Executive Committee
 - Once vote is done by Executive Committee, the membership will be made aware of the details
- Tracking money going out and in closely and following up with all items related to budget

GIO Report – *Kenny Miller, Maryland Deputy GIO (Presentation Available)*

Budget:

- Survived our first official year with a budget
- Spent all of last year's budget and moving forward with same budget for FY14

Staff Changes:

- Staff includes two managers and 8 – 9 staffers, including contractors
- Matt Folley moved from MDP to DoIT
 - Has been detailed to DHR and DHMH
 - Working with a myriad of databases which do not communicate with each other
 - Trying to understand the current situation
 - Already receiving new people looking for support
- Jessie Cahoon, MES application development contractor
 - There are dozens of applications in Flex that need to be moved to AGOL and HTML5 stand-alone applications
 - Idea is that code is available of GitHub to be used as basic viewer
- John Griffin moved from Secretary of DNR to new Governor's Chief of Staff
 - Flight is beginning for those who are moving from the Governor's office to other positions
- Matt Power moved from Deputy Secretary of MDP to new StateStat Office Director
- Interesting move for both John Griffin and Matt Power
 - Collaborative engagers, rather than confrontational, as has been seen during the historical path
 - Reached out to GIO Office for basic analysis and mapping based on monthly spreadsheet reports

Support:

- Providing simple mapping function, along with Salisbury University, assisting agencies with generating dashboards

Infrastructure Migration:

- Migrating MD iMap from AGS 10 to either 10.1 or 10.2
 - 10.2 will be released in a week or two to the general user population
 - Released yesterday to business partners and internal personnel
 - Learned from Esri User Conference that we might want to jump into 10.2 directly

- Reaching the end of life of the hardware at CGIS and have made plans with DoIT data system to establish the new version of the system with them
- Anticipate running parallel systems as we continue to develop the new system and the old system is retired

Statewide Addressing Project:

- Russell Provost works out of GIO Office, but also an employee of ESRGC
- Made outstanding progress and collected 1.5 million address point records to date

OSPREY:

- MEMA trying to reach new data sources and use tools and methods to make data available to decision makers
- OSPREY is picture for responding to emergencies
 - Some resources are not currently iPad friendly
 - Those that are significant are being rolled in AGOL
 - Public version is Flex based, replacement to be released shortly
 - Secure version is Flex based and will remain that way because of available functionality
- Moving into an idea of a dashboard, with series of alerts by category, turning red, yellow, green based on thresholds
 - Anticipate a public version and spending some money to build a secure version
- Trying to make all as device friendly as possible

CAD/RMS:

- MSP has many large projects going on related to CAD/RMS systems in Barracks
 - Never had a unified CAD system
- Currently 911 information is answered by local 911 center and information is passed to the Barracks via fax or by phone
 - Local 911 centers will continue to receive calls, but working to improve how information is passed

Hot topics within NSGIC:

- Annual meeting is in October and addressing is a big topic that runs through all other hot topics
- Next Gen 911
 - Preparing for the next generation of 911
 - Frederick County has the ability to accept texts to 911
 - Have received 1 valid text to 911 situation
 - School for the deaf was a big advocate for pushing out this resource
- Centerlines (Map21)
 - 21st century increased mapping
 - Effective June 2014 – all states required to report mileage of Federal, State and now Local roads
 - This is driving a partnership between Counties and States to complete this report

Question: Is there a spatial component to the reporting

- Yes, study was just released related to the standards for the spatial component of the reporting

Question: Is SHA talking with Counties about this?

- Meeting next week about where SHA is going with these efforts
- On-going exchange of centerlines with replication that was established a number of years ago
- SHA has setup a team to work with the County partnerships to make this happen
- Anticipate hearing more from SHA folks in the next 12 months

- AGOL
 - A significant amount of attention is being paid to this cloud-based mapping technology amongst all the State GIS Coordinators
 - Very important at the State level in Maryland

- Demo of public portal/dashboard:
 - Collection of maps used to determine the current status of emergency management in Maryland
 - AGOL is more than just map information and can create a group which allows for sharing webpages, .pdf links and also web maps through a single dashboard/interface
 - Includes an example of the current live feeds from electric companies, including SMECO, concerning outages
- A number of automatic feeds are being implemented concerning the status of electrical outage and other emergency responses

Question: Is it intended to make this portal publicly available?

- Yes, will have a public version of resources available to keep the general public informed
- Will have another version which requires credentials to get beyond the initial screen
- Simple, but powerful to bring this information together to share

- Provided a quick response concerning the water outages occurring last week in Prince George's County
- Worked in conjunction with Prince George's County, using AGOL and pushed out an application in a short period of time

Question: Are you a Numbers Board representative?

- Discussion about Numbers Board maintaining its current position of funding concerning imagery
- Any change in how they plan to support GIS spatial community
- Past policy: support periodic reflies of State on behalf of 911 centers, address verification, etc.
- Flew Eastern Shore this year
 - Final deliver by end of this year
- Working on a new contract to fly Western Shore in 2014, using Cats+ procurement
- Continues to support ortho iagery collection on 3 year cycle, include lidar upgrades and imagery upgrades, such as higher res (3")
- Talked about approaching board to assist with statewide integration efforts as one time assist to create statewide seamless databases and maintenance handled between state an locals
- On the horizon, but have not yet ready to put a complete project in front of the board
- Already fuding phone system projects related to next gen 911, mainly phone sharing distribution
- Strategic plan done in 2008 on how to proceed and do we proceed with next gen 911 related efforts

- Exciting that MDP efforts has grown, GIO has a budget, KCI has grown, SHA contributing actively to the GIs community, much better off in regards to data over the past 4 years
- Believe the counties and the state are getting on the same page about sharing data and getting on the same page about sharing, collecting and implementing data
- A lot comes from the leadership of MSGIC and applaud the past few years of leadership within the MSGIC community
- Made a relationship based on value for both sides, rather than one sided, which was in the past and moving forward to make a change and making innovative steps to value both sides
- Hope those at the local level agree and are interested in continuing the conversations

MD iMap Technical Committee – *Julia Fischer (DoIT) (Presentation Available)*

Federal Program Activities – *Roger Barlow, USGS Geospatial Liaison (Presentation Available)*

- LiDAR Status/NAIP
- USGS received 3 million in Sandy Supplemental funding, 11 proposals submitted, 2 in MD
- Those 2 in MD has a lot of support and will move forward with leaf off collection and released by April 2014
- National Capital: St Marts, Charles, PG, Mont
- DE/MD: Dorc, Carol, Poplar Island and DE
- Montgomery County was already moving forward to acquiring on their own and will now be collected and provided to USGS, Mo Co had a history of not sharing data, especially with USGS and this has been a huge change in the progress of data sharing
- Funding partners: USGS and NRCS, State: SHA and DNR went along way to show state interest and cooperation and had a big impact on making the proposal from MD successful compared to other proposals
- USGS basic specs quality level 2: LAS files, binary format, 2 points per meter squared, accuracy is 9.25cm, support 1 foot contours, significant improvement of information
- Compared to FEMA compliant specs is also most double of quantity and density of the point collection
- Does not include: generation of contours, DEM deliverables is not part of this, nor value metric calculations, not hydro-enforcing the data (not smoothing over waterbodies or adjusted at rivers and streams), counties might want to think about procuring these additional resources/processes
- Need to work out the timing between these data collected and working with ESRGC with some value added products
- Google USGS LiDAR base specification version 1 and can see specs for the data and deliverables, specs are significantly different than in the past
- Send out to those counties which are having data collected for them

Business Plan Workgroup – Orthos/Parcels – *Jim Cannistra, MDP*

- NAIP imagery 2007, 2009, 2011 and was supposed to be flown in 2013, was on and off and is now on, but not 100%, acquisition from July thru September, which is later than typical, still some funding questions
- Two phases countrywide: volume of work less than in the past, green is phase 1 – in process, phase 2 – planned and contracts being finalized
- Program was in question this year and received a 10% cut and has now been moved forward again

Census Update

- 2014 boundary and annexation survey has been cancelled, 2014 products will be from 2013 data
- Account resolution – local governments can contest the census tallies, 1 county and 4 cities from MD, being wrapped up now
- GSSI is being wrapped up from the first year, locally provided GIS datasets, address points, centerlines, mostly at county levels used to update Tiger data, continue to drive direction of 2020 census
- Got Fred and PG County datasets from MD who will receive feedback from Census, hope to work with state-level partnerships for address points and centerlines to keep tiger up to date

Imagery

- Eastern shore and Howard county flown in spring, pilot Ho Co is complete and all data delivery expected by the end of this year
- Distributed to PSAP providers and GIS coordinators in each county and also onto MD iMAP
- Future procurement in the fall and re-fly in 2014, include a few more options moving forward with next contract

Parcels

- Integrated parcel work between MDP and county line work
- Cascading geocoder has been updated with some of the updates resulting from these efforts
- Later on this year start work on some additional counties, couple more years work to go, with some of the larger counties
- Data products being changed related to MDPV: basically remaining the same, tax map ordering system online, releasing Finder Online application which is subscription based for querying and accessing, CAMA, parcel and tax map data, releasing in next couple of weeks, new Finder DVD product has been a stand-alone map objects based application, migrating to quantum GIS environment, bundled to quantum file, which is open-source, free software and have put documentation together for those who don't have access to GIS software
- Future meeting might have a more robust demo concerning these efforts

Question: 2014 upgrade deadline?

- November 2013
- Committee established to review, technical participation committee with several county representatives

Business Plan Workgroup – Addressing – *Russell Provost, DoIT/ESRGC*

- 10 months ago given the task to collect and standard address points
- 85% there to date
- Data has been collected for 19 counties and BCity, 1.56 million points, primarily on addressable structure
- Providing feedback to all counties yesterday: checked for internal consistency concerning attributes and ran data through an address standardizing and validation process, against USGS database and provided all feedback
- Phase 2: making sustainable project, rather than a one-time collection effort, working with counties on update/maintenance plan
- Show proof of concept: selling point to locals was to get adjacent county data, mainly driven by 911 call taking and often where response is necessary from an adjoining county
- Approved users will be allowed to extract local addressing data

- Matt Sokol from DoIT has contributed to the creation of the addressing point extraction website
- Extract button which allows for a number of extraction options: polygon, freehand, all county, extract to shapefile or gdb, download statewide file, currently intended to be shared amongst counties and moving forward the access base will grow
- Will be soliciting feedback from the counties
- Ultimately integrate the design of the application more with the state template in the future

Question: missing counties?

- Baltimore, Charles, PG, Harford – MOUs and formalities have kept these counties from participating to date
- Calvin Strozier (calvin.strozier@stmarysmd.com) – Sept 19th at St Mary’s County Gov Center – 9 to noon
- Working to get a Southern MD User Group together again
- Looking for presentations and potentially some training from Esri

Student/Intern Presentations

Jessica Lister, Salisbury University

“A Requirements Analysis to Develop a GIS to Track BMP’s for Talbot County’s Watershed Implementation Plan”

John O’Brien stepping in for Jessica Lister, Salisbury University

Thomas Booth, University of Maryland College Park

“Modeling Protest in Lafayette Square: An agent-based modeling approach”

Dave Glover, Community College of Baltimore County (CCBC)

“Mapping Food Deserts in Baltimore using Spatial/3D Analyst”

Frank Boylan, Community College of Baltimore County (CCBC)

“Using Modelbuilder to Track Food Borne Illness Outbreak”

Presentation – “Damage Assessment Collection using ArcCollector & ArcGIS Online”

Presented by: Jeff Edgin, GISP – GIS Supervisor, St. Mary’s County

New MSGIC Website – Preview – *Julia Fischer (MSGIC Executive Board)*

Presentation – “Charles County Impervious Surface Analysis – Using the State’s Stereo Imagery to determine Stormwater Runoff”

Presented by: Patrick McLoughlin – Spatial Systems Associates, Inc.

Presentation – “SMECO’s GIS – Where we were, where we are and where we are going!”

Presented by: Jeff Lagana – SMECO

New Business & Adjourn

By-laws change

- Finding things that need to be tweaked in by-laws as additional funding considerations are put into place

- Best management practice for voting within the organization, at Exec Comm, in Caucuses and Subcommittees
- Need stated within the by-laws what is needed for an approval vote, which will be voted on by the membership
- Want to have this available for vote at the Fall meeting
- What is approval of a voted topic, what number of members are needed for approval?

Next Quarterly Meeting – Tentative: October 16, 2013 (Frederick, MD)



MSGIC TREASURY REPORT

2013 SUMMER QUARTERLY MEETING

➤ Financial Report

➤ New Memberships and Sponsorships

- Center for GIS at Towson University
- Esri
- KCI Technologies, Inc.
- Maryland Society of Surveyors
- Photo Science
- Prince George's County Office of Information Technology – GIS
- URS Corporation

Douglas Reedy

Treasurer

Date

MSGIC FINANCIAL REPORT

(Reporting Period 04/09/2013 to 07/24/2013)

BEGINNING BALANCE (04/19/2013) **\$2,120.14**

ALL INCOME

Donations	\$0.00
Sponsorships and Memberships	\$3,700.00

TOTAL INCOME **\$3,700.00**

EXPENSES

Office Supplies	\$0.00
Postage and Document Shipment	\$0.00
State and Federal Filing Fees	\$0.00
Bank Fees	\$0.00
PayPal Per Transaction Fees (2.9% to 2.2% + \$0.30)	\$47.30

TOTAL EXPENSES **\$47.30**

Summary

TOTAL INCOME	\$3,700.00
TOTAL EXPENSES	\$47.30

Net Balance **\$5,772.84**