



MSGIC Quarterly Meeting  
 July 27, 2011  
 Veterans Plaza, One Veterans Place (Silver Spring, MD)

**Member Attendees:**

<b>Name:</b>	<b>Company/Agency:</b>
Roger Barlow	USGS
Ashley Buzzeo	TU CGIS
Patrick Callahan	Prince George's County Government
Jim Cannistra	MD Dept of Planning
Nicholas Chamberlain	City of Salisbury
Mary Creamer	ESRGC
Mark Dunlevy	Worcester County
Jeff Edgin	St. Mary's County Government
Mario Field	D.C. Government
Julia Fischer	MD Dept of Business & Economic Development
Tess Foster	Worcester County
Jim Garrity	DBED/ESRGC/BEACON
Doug Goldsmith	KCI
Mark Helmken	TU CGIS
Charlene Howard	MWCOG
Scott Jeffrey	Community College Baltimore County (CCBC)
Doug Kampe	MDE
Barney Krucoff	Governor's Office
Kathryn Kulbicki	Westat
Erin Lesh	MD Environmental Service (MES)
Gretta Luedeke	USDA
Jessica Lister	Environmental Concern, Inc.
Johnathan Mann	Salisbury Student
Geoffrey Mason	MNCPPC Montgomery County Dept of Parks
Kenny Miller	DoIT
Joe Miller	Caroline County Government
Jeremy Monn	TU CGIS
Erick Pate	Calvert County Government
Manesh Pillai	Howard County Government
Anthony Puzzo	Esri
Michael Scott	Salisbury University/ESRGC
Jason Sealy	Pictometry
Bill Shinar	Fugro EarthData
Erin Silva	ESRGC
Chris Slavin	Anne Arundel County Government
Robert Slivinsky	Howard County Government

Dan Smith	CEM
Marshall Stevenson	KCI
Calvin Strozier	St. Mary's County Government
An Tran	MDTA
Henry Weissenberger	Spatial Systems Associates, Inc.
Tim Williams	City of Hagerstown
Susan Wooden	TU CGIS

**Guest Attendees:**

<b>Name:</b>	<b>Company/Agency:</b>
Eric Benson	Calvert County Government
William Booth	NOAA/NWS
Brett Dobelstein	ESRGC
Michael Galdi	Anne Arundel County Government
Molly Griffin	ESRGC – Salisbury
Julie Herrick	University of Maryland/SI
Jeff Jessen	Convergys
Justin Lahman	AXIS GeoSpatial
Bobby Louangsaysongkham	NOAA/NWS
Frank Rowe	ESRGC

**Welcome and Opening Remarks:** (Power Point Available)

Events

- Next MSGIC Executive Meeting – August 10<sup>th</sup>
- MSGIC Fall Quarterly – October 19<sup>th</sup>
  - Frederick County Community College
- Next Mid-Shore Regional GIS Committee Meeting
  - October 26<sup>th</sup>

LinkedIn

- Look for the new “Question of the Month”

Newsletter

- Current addition is out
- Thanks to those who contributed!
- Any submittals should go to Chris Slavin or Michael Scott

MSGIC Election Results

- **Chair:**  
Michael Scott, Salisbury University/Eastern Shore Regional GIS Cooperative (ESRGC)
- **Chair Elect:**  
Jim Cannistra, MD Department of Planning (MDP)
- **Secretary:**  
Julia Fischer, MD Department of Business & Economic Development (DBED)

- **Federal Government Caucus Chair:**  
Roger Barlow, U.S. Geological Survey (USGS)
- **Regional Caucus Co-chairs:**  
Charlene Howard, Metropolitan Washington Council of Governments (WashCOG)  
Elizabeth Stahlman, Allegany County Government
- **State Government Caucus Co-chairs:**  
Erin Lesh, Maryland Environmental Service (MES)  
Michel Sheffer, State Highway Administration (SHA)
- **Local Government Caucus Co-chairs:**  
Patrick Callahan, Prince George's County Government  
David Gillum, Anne Arundel County Government
- **Private Caucus Chair:**  
Marshall Stevenson, KCI
- **Data and Resources Subcommittee Chair:**  
Ashley Buzzeo, Towson University Center for GIS (CGIS)
- **Education Caucus Chair:**  
Mark Helmken, Towson University Center for GIS (CGIS)
- **Outreach and Education Subcommittee Chair:**  
Scott Jeffrey, Community College of Baltimore County (CCBC)

#### MSGIC Business

- MSGIC 2.0

#### **Project Updates:**

MD iMap Executive Committee: Kenny Miller

New GIO for Maryland: Barney Krucoff

- Starting end of August

#### ELA

- Going in front of the Board of Public Works on August 10<sup>th</sup>
- Approximate \$760,000/year
- New staff position to be created to manage licenses, as part of budget for this item
- Couldn't include local governments on this round of the ELA

#### Emerging Mapping System

- EMMA NG aka OSPREY
- AGS-based interactive mapping application
- Public version to be separate, but made available
  - Will not include private data or secure data
  - Will include assets of interest to the public during an emergency (i.e. – shelters)

MD iMap Technical Committee: Julia Fischer (Power Point Available)

Follow us on Twitter @MDiMap

Portal URL: <http://www.imap.maryland.gov/portal>

#### Eastern Shore Imagery

- New 6" imagery assimilated into existing service
- No changes need to be made to applications
- Rename "NAIP" service to "Composite" service
  - *ImageryBaseMapsEarthCover/MD.State.NAIPImagery* needs to be changed to *ImageryBaseMapsEarthCover/MD.State.CompositeImagery*

#### Code Compilation

- Development Code Worksheet being drafted
  - Includes: Application Name, Developer's Contact Info., Language Used, Version and Owner
- Discussing centralized location for code repository
- Contact: Kaushik Dutta (MD iMap Application Subcommittee Lead) for more information or to participate – [kdutta1@mdta.state.md.us](mailto:kdutta1@mdta.state.md.us)

#### Gazetteer Map Service

- Currently being cached
  - Notification when complete will be posted on Portal and Twitter
- Cartography updated
  - Removed county boundaries that went into the Chesapeake Bay
  - Provide common usage name for roads and place names (Ex. – US 50 instead of I-595)
  - Removed park boundaries at all scales

#### New MD iMap Interactive Maps

- Energy MD Map: <http://mesgis.com/dgsenergymap>
- Biking & Hiking Trails: <http://visitmaryland.org/Cycle/Pages/CycleMarylandMap.aspx>
- Flood Maps: [http://mdfloodmaps.com/flood\\_risk](http://mdfloodmaps.com/flood_risk)
- Trust Fund Mapper: [http://www.dnr.maryland.gov/ccp/funding/trust\\_fund/mapper/#](http://www.dnr.maryland.gov/ccp/funding/trust_fund/mapper/#)
- Growth Print: <http://planning.maryland.gov/growthPrintIMap.shtml>
- Plan Maryland: <http://plan.maryland.gov/inputIMap.shtml>
- Housing Mapper: <http://www.dhcd.maryland.gov/Website/DHCDMapper.aspx>
- Fast Track: <http://easy.maryland.gov/wordpress/map>

#### Additional Items:

- ArcGIS 10 Migration
  - August – Sept time frame for hardware and network move

- Parcel Service Updated (as of June 2011)
  - *PlanningCadastre/MD.State.ParcelBoundaries*
- Google Urchin Statistics Updated Quarterly and Posted on Portal
- WGS Coordinate versions of map service will be made available in the near future

#### Next MD iMap Technical Committee Meeting

- Tuesday, August 2 (1 – 3p.m.) @ MDE (1800 Washington Blvd, Baltimore, MD 21230)
- Call-in Number: 410-537-4281
- Participation: Open & Welcome
- Meetings: 1<sup>st</sup> and 3<sup>rd</sup> Tuesdays of the Month
- Contact: Julia Fischer (jfisher@choosemaryland.org ) or Frank Siano ([fsiano@mde.state.md.us](mailto:fsiano@mde.state.md.us)) for more information

#### Parcels: Jim Cannistra (Power Point Available)

#### Parcel Boundary Service 2011 on MD iMap

#### Parcel points – 2007/2008 available on MD iMap

- Users of dataset?
- Archiving point service within the next 1 – 2 months
  - Applications using points, data still available, but harder to access
- Garrett & Washington Counties to be completed in near future

#### 6 to 8 months full parcel polygons for MDPV conversion completed

- Select counties (Talbot & Caroline)
- Leverage county-based data with points and other tax mapping data
  - New product in MDPV
  - Tax map in ArcGIS from collected information

#### Esri Land Records Seminars

- Frederick – June 21<sup>st</sup>
- Baltimore – June 22<sup>nd</sup> @ MDP

#### Challenges moving forward with vector boundaries

- Help facilitate process with counties
- Caroline – old parcel data (back log of work)
- Account# reconciliation substantial effort
- Annotation creation was time consuming
  - Editing and adjusting was time consuming
- New conversion

- Subdivision boundaries
- Election districts
- Working with Assessments Office to get print map product
- Dealing with “00” points (account record, no geography)
  - Left there because no geography referenced to them
  - How to reconcile these?

#### Multi-owner buildings (condos)

- How is this represented?
- Following design/structure of each county
  - Points stacked and polygons
- Consider more consistency in the future

#### Polygons linked to assessments database

- Account ID
- Hyperlink to html page of property record

Conversations with local government to see what should change in process, what might be improved in process?

- Assessments Office not big user of GIS

Finding significant discrepancies between parcel polygon measure and file number?

- 99.9% correlation with assessment record
  - Not checking acreage, for example

Orthos: Jim Cannistra (Power Point Available)

#### Aerial Imagery 2011

- Acquisition complete – Imagery and LiDAR
- Image Processing Complete
  - 35,000 exposures
- On target to get rest of state delivered by end of this year
  - Western Shore of Maryland
- Aerial Photo and LiDAR flown this spring
- Survey control – 50% complete
  - New accuracy checking
- Aerial Triangulation – 25% complete
- QAQC application
  - Flex-based
  - Review imagery on-line as part of process
- Southern Maryland first delivery
  - Baltimore Region → westward
  - Similar to how flights are flown

- Avoid ftp or DVD sharing
  - Application to support on-line review of imagery
  - Cache represent quality of imagery on native .tif
- Color infrared imagery (4 bands)
  - Cached as 4 band dataset
- Delivery Schedule
  - End of April 2012
    - Production September – February
  - Year long since end of data acquisition

#### LiDAR

- 1.4 meter point spacing
- Classified point cloud
- Multiple (3) returns
- 18.5 cm RMSE accuracy
- Breakline data capture as option
  
- Howard, Calvert and Anne Arundel Counties → separate contract
  - Collected Howard and Calvert Counties to date
  - Single .las file
  - All return, classification and intensity information

#### Future LiDAR

- Fall fly (November/December)
- Spring fly (February/March)
- Notify Jim Cannistra or Kenny Miller if you want LiDAR collected in the fall

#### Mapping Broadband Access: Michael Scott

- Sent out invitation to Broadband Providers on June 30<sup>th</sup> requesting updates

#### Mid-Atlantic Meeting held in July

- Included representatives from West Virginia, Delaware, Maryland, New Jersey...
- Well attended
- Expect to hold another similar meeting in November

#### ETL Tool

- Assist with collection of broadband data
- Anticipate offering a website where providers can load updates, in the future
- Help find inconsistencies in data

#### Critical Area Map Project: Michael Scott

- Talbot, Baltimore Counties are pilot counties
- All the way through mapping project for Talbot County
- 2 years to adopt maps after approval
- Baltimore County to open public comments soon
- QAQC – Caroline, Queen Anne’s Counties and City of Annapolis
  - Contact Erin Silva or Lauren McDermott for information

Delmarva Emergency Task Force: Michael Scott

GIS Committee reconstituted

- Mark Calhoun and Megan Del Gaudio – Co-Chairs
- Products from committee, asking emergency management folks

New Evacuation Zonation of Peninsula

- Available on MEMA’s website, check it out

GNAppWorks: Michael Scott

GNAppWorks = Governor, Non-Profit Application Workshop

- Proposed to administration at Salisbury University
- Use Geography and Computer Science to create
  - Mobile applications for Government and Non-Profits at no cost
  - Fill a need of mobile applications for non-covered demographics
- Community Health Advocates
  - Diabetes tracking, keep in contact to manage health
- Not all will be spatial applications
- More announcements through upcoming year
- Contact Michael Scott with ideas

GIS Data: Ashley Buzzeo

New Services Imagery

- 2007 NAIP Imagery
- 2005 NAIP Imagery
- 2007/2008 6” Imagery
- Just 6” imagery always up-to-date
  - Updated as Western Shore imagery comes in

Image Services/Cached Services

- In .mxd, remember to view at cached scales
  - Right click and view properties to get scales of cached service

Ramona (gisinventory.net)

- 2 interns for Fall 2011

- 50 more layers (county layers) have been added more recently
  - 1,176 layers to date for Maryland
- Feedback how to push forward and get most value
  - Gap analysis (What isn't in there and What is needed?)
- GIS Inventory Month (Feb) – start push in Nov
  - Check that existing data is up-to-date
  - Add new data

#### NAPSIC

- Meeting to occur to provide public safety individuals instruction on how to use Ramona
  - August 25, 2011 from 1 – 2:30p.m.

#### Federal Updates: Roger Barlow

##### NHD Training

- Contact Frank Siano ([fsiano@mde.state.md.us](mailto:fsiano@mde.state.md.us)) concerning available seats
  - Working to set up for September
  - Waiting for new software

##### FEMA LiDAR Acquisition

- Acquisition of Washington County (100%) & 25% of Frederick County (SW portion of County)
  - Collected in watershed units
- Previously collected data was rejected by FEMA
- NRCS, SHA, USGS – seeking funding to get remainder of Frederick County LiDAR collected

#### Additional Topics:

##### EsriUC

- 15,200 attendees (largest UC ever)
- [arcgis.com](http://arcgis.com)
  - .csv, .wms services can be imported into [arcgis.com](http://arcgis.com)
- 10.1 beta in August
  - Expect full release in February
  - 64 bit desktop and server
  - 3D enhancements
  - New geoprocessing tools
  - New mobile capabilities
- Home use \$100 ArcInfo license for personal use
- Cloud
  - [arcgis](http://arcgis.com) server in Amazon Cloud @ 10.1
  - Out of box private cloud connects to public cloud capabilities
- August 3 Webcast – contact Anthony Puzzo ([apuzzo@esri.com](mailto:apuzzo@esri.com)) to get invite to webcast
- Health GIS Conference – Sept 7 – 8<sup>th</sup>

- Seminar Series – Sept 20<sup>th</sup> (Columbia, MD)
  - Mobile GIS, Mobile Applications
- Esri MUG Conference – Dec. 3 – 5<sup>th</sup> (Hunt Valley, MD)
- Esri MUG – 1 Day Event in Virginia – Sept 2011
- Esri MUG Golf Tournament – Sept. 24<sup>th</sup>
  - Contact Anthony Puzzo if you would like to participate

#### URISA

- Happy Hour – August 10<sup>th</sup> (Rock Bottom – Silver Spring, MD)
  - Contact Gretta Luedeke ([gretta.luedeke@md.usda.gov](mailto:gretta.luedeke@md.usda.gov)) or Kathryn Kulbicki ([kathrynkulbicki@westat.com](mailto:kathrynkulbicki@westat.com)) for information

#### **Presentation – “Supporting Economic Development Decision Makers in Rural Maryland ... Cost Effective Solutions” – (PowerPoint available)**

Contact: Jim Garrity, Eastern Shore Business and Economic Development Dashboard Specialist  
 Email: [jrgarrity@salisbury.edu](mailto:jrgarrity@salisbury.edu)

#### **Presentation – “2011 Western Shore Ortho Imagery Acquisition” – (PowerPoint available)**

Contact: Justin Lahman, AXIS Geospatial & Bob Ryan, URS Corporation

Email: Justin Lahman: [jlahman@axisgeospatial.com](mailto:jlahman@axisgeospatial.com)

Bob Ryan: [bob\\_ryan@urscorp.com](mailto:bob_ryan@urscorp.com)

#### **Presentation – “Tips on Using and Storing Raster Datasets” – (PowerPoint available)**

Contact: Ashley Buzzeo and Jeremy Monn, Towson University Center for GIS

Email: Ashley Buzzeo: [abuzzeo@towson.edu](mailto:abuzzeo@towson.edu)

Jeremy Monn: [jmonn@towson.edu](mailto:jmonn@towson.edu)