



MSGIC Executive Committee Meeting

November 9, 2011

Location: Anne Arundel County Government – 2664 Riva Rd (Annapolis, MD)

**Attendees:**

Chris Slavin, Anne Arundel County Government (Past Chair)

Jim Cannistra, MDP (Chair-Elect)

Julia Fischer, DBED (Secretary)

David Gillum, Anne Arundel County (Local Government Caucus Co-Chair)

Mark Helmken, CGIS (Education Caucus Co-Chair)

Charlene Howard, MWCOG (Regional Council Caucus Co-Chair)

Roger Barlow, USGS (Federal Government Caucus Chair)

Marshall Stevenson, KCI (Private Sector Caucus Chair)

Barney Krucoff, Governor's Office (GIO)

**On Phone Attendees:**

Erin Lesh, MES/SHA (State Government Caucus Co-Chair)

Michel Sheffer, SHA (State Government Caucus Co-Chair)

Kaushik Dutta, MDTA

**Announcements – Chris Slavin**

NSDI CAP Grant – Proposal Deadline January 24, 2012

- “Each project will focus on ways to expand the geospatial data infrastructure that is necessary to effectively discover, access, share, manage and use digital geographic data”
- <http://www.fgdc.gov/grants/2012CAP>

**GIO Briefing – Barney Krucoff**

Broadband Stat – measures to determine effectiveness of BTOP

- SBDD-related also
- New map coming out of this – plans for fiber and status (construction, pending, complete, etc.)
  - 1 – 2 months away from publication

New website for volunteer opportunities – Governor's Office (“Maryland: Stronger Together Map”)

<http://www.gov.state.md.us/strongerMap.asp>

- ArcGIS Online-based application
- Interns in the Governor's Office can edit this as needed
- Put together by Michael Bentivegna @ CGIS

- Already mobile compatible
- MD iMap branding, but not on MD iMap infrastructure – on Esri Cloud

#### GIS Inventory Updates

- Email to local governments to update GIS inventory site information
  - Intern available to help
    - Advice contributors that if they can get spreadsheet to intern, they can get free data entry into the site
  - If interested, contact Ashley Buzzeo ([abuzzeo@towson.edu](mailto:abuzzeo@towson.edu) or 410-704-2081)
  - Linda Wain developing the process so inventory can be populated by xml data
  - Bill Burgess has recognized this need and being implemented now

#### Pursuing creation of Geographic Information Office

- Met w/Governor and overall supportive
- Budget still being determined
  - B&M meeting yesterday – one of many initiatives DoIT is working on
    - Fits in with a larger ask for information technology
  - Sold as a bit of consolidation
  - Suggest that 2/3 of money come from existing budgets and 1/3 doesn't yet exist
    - Pushing to have 1/3 funded out of a different place than where DNR is currently
  - Couple of months before we know how things are doing
  - Know more by Dec meeting – lots more by Jan meeting – what got into Governor's budget
    - If it gets into Governor's budget – we will have to defend it with legislator
    - If not – plan b & c will be pursued
  - Update Executive Committee in early December
- Changes to the Executive Order
  - Expand to include local government representation and other organization representation (Surveyors, etc.)
  - Change the name – Maryland Geospatial Committee (for example)
  - Also define the roles of central office (GIO Office) – duties and limits
  - MSGIC would form sub-committee to review and participate in drafting of this document

#### OSPREY

- Setting up Osprey for snow
- Working with power companies to get better small area data
  - Data by zip code for outages – scale?
    - Most likely thing we can achieve and can aggregate to
    - Areas served by more than one utility company – need to be able to get consistent geographic levels from all service providers
    - Point to most current file as standard
  - Currently manually data entry process
  - Want to automate this process

- Baltimore gets grid mile from BGE – custom grid
- MDP working to maintain the zip codes – finalizing the zip code data at present
  - Posting that once completed
  - Could assign x,y for geocoding purposes
- HSIP Gold Data Inventory being pursued by MDP – does this fit into OSPREY?
  - Take a look and see the potential in OSPREY
  - A lot of information
  - Important thing to know is what you think are useful and what you have available when response becomes necessary
    - Some public domain data on these disks and some restricted
  - Action Item: Can the excel spreadsheet of what's available be circulated to the general population? – Roger Barlow
  - Training offered for Feds who receive the data – is this offered, is material available or presenter?
    - Haven't heard of this, but a good idea
    - Been brought up at all hazards consortium meetings

#### CAP Grant

- Signed up for Webinar – Barney
- Several categories – most interested in pursuing GIO – Business Plan Development and Implementation (Cat 4): \$40,000 potential
- Due: 1/24/12
- Can allow GIO Office to hire someone to flush out STRAT plan and get more down
  - Timely and ready for a new one, justified
  - Looking for Roger Barlow's endorsement and local agencies support
  - In-kind match is possible, doesn't have to out of pocket – will have to be tracked

**Question:** Pursue 2 grants with the hope of getting at least 1

- Other Categories:
  - Category 1 – Metadata Trainer and Outreach Assistance
  - Category 2 – ISO Geospatial Metadata Standards Implementation
  - Category 3 – Expanding the State GIS Inventory
    - CGIS considering pursuing this opportunity
  - Category 4 – Fifty States Initiative: Business Plan Development and Implementation
  - Category 5 – FGDC-endorsed Standards Implementation Training and Outreach
  - Category 6 – FGDC-Standards Development Assistance
  - Category 7 – Geospatial Platform Cloud Service Testbed
- Thoughts?
  - CSSC 1/3 hardware ownership discussion caused an audit of hardware at CGIS
    - Being underutilized to date
    - Hardware number for proposal is small b/c there is opportunity with existing hardware
    - Already have a central system with capacity

- Don't currently need to pursue a cloud option – can be expensive option
- Warranty runs out on the current equipment in 2 years
  - Stay ahead of curve? What are the options to move at that time?
- ELA for 3 years
  - Potentially looking at open source solutions for the future
- CGIS has looked at the cloud more seriously for data loading and development – broader perspective – temporary usage
- Perhaps suited better to an academic institution

**Question:** How much of the platform that the Federal Government is pursuing is a cloud?

- Group of states looking at banning together to purchase cloud services
  - Potential ride their contract, if successful
- Arkansas hired La Plata firm to assess when they should move – Barney has paper which can provide information
  - Allow for maturation, but good opportunities to continue to monitor and jump at the appropriate time
- Data has been removed from CAP Grant options – comment/complaint that this should not have been removed has been submitted by Roger Barlow
  - LULC, Impervious surface, etc. – no longer available options
- Next Steps: Applying groups should coordinate, so don't compete against one another and hope to be more successful
  - Could play them off one another and show how they fit together, support one another, build upon one another
  - Consortium applying is stronger candidate than a single entity
  - Apprenticeship program was shown to the Gov – not something to be pursued at present
    - Jobs program to put new grads in local Gov positions to push data to the state level

### **MSGIC Reorganization** – Chris Slavin

#### By-law Review

- We were going to rewrite the mission statement and by-laws
- Compared with other states and saw we weren't far off
- Only applied some tweaks
  - Not for profit organization recognized by State of Maryland
  - Added information about membership dues/categories and structure
  - Major change: organization of MSGIC – spread out workload of Executive Committee
  - Chair elect name change to Vice Chair
  - Added treasurer and responsibilities
  - Changed number of track representatives – 1 state, 1 local reps, etc.
  - Education and outreach subcommittee split into 2
  - Grant development subcommittee – seeking grant opportunities
  - Same number of representatives, but spread the responsibilities and allow for focus on track
  - Could put in more definition, but lose some of the flexibility
  - Subcommittees, caucuses can have flexibility to meet, how often, etc.

- New: Implementation, Conflict of Interest, Indemnification, Records Retention
- GIO is a standing member of the MSGIC Executive Committee
- Don't want to set up GIO Office that competes with this organization
  - Want to work to have MSGIC involved in MD iMap, but parallel activities needs to be addressed
  - Need to broaden the MD iMap Exec order, but assure working together, not overlapping efforts where not needed
  - Perhaps the caucus chairs, which are voted, also serve on MD iMap committee? MSGIC Chair?
  - Make it read that they don't overlap, but fit together
  - MSGIC is an advocacy, MD iMap is policy
    - If advocacy, do we want to claim that we were established by Governor's Office?
    - Can we say: Created by GIS community of the state and endorsed by the Governor?
    - Could continue as it is now – keep discussion open
    - Does MSGIC get called out to perform certain roles in new Exec Order? Or do they remain as a Where As item?
  - Do they already overlap 2 much now? – should one should be enveloped into the other?
    - **D.C.** – Executive Order sets up committee – voting members only D.C. agencies
      - Public meeting
    - **DE** – no state separate GIS group, dealing with internal issues
      - Larger group – quarterly meeting suggest items for Exec council to vote on
      - Elect certain people to represent the larger group on exec council
      - Suppose to be chairs of departments so funds can be applied
    - **NJ** – Executive Committee sets agenda and topics and subcommittees do the work
      - Quarterly people are briefed and offer suggestions/input
      - Subcommittees make recommendations – rise and sunset in months
      - Don't meet in active status if no active initiatives
  - Coordination group w/advocacy as a part of that
    - Facilitates partnerships
    - Sharing opportunities of data and information
    - Share information and bring up issues that need to be discussed
  - Identifying gaps and make recommendations for initiatives
  - Are we missing opportunities to get more buy-in at higher levels?
  - Giving the voice of MSGIC a more defined identity
- Mission to facilitate partnership and advocacy through the State of Maryland
  - To reduce costs, promote efficiency – results of advocacy need to be defined
- Success will be based on the leadership of MSGIC – taking up the goals of the group
  - Add expectations into by-laws, but taking up these tasks and implementing them will fall to those who are elected into the positions
- Promotion and increase awareness should be added to the mission – communications
  - Many items that can't be measured
  - Conferences, networks, linked in – multiple mechanisms of sharing

- Identify needs for data, services, access and support to get what is needed to all jurisdictions in Maryland
- Zip codes, as example, the need was identified in MSGIC meetings and the initiative was put forth on the state side to get this completed
- Put something together and address county directly/actively – GIO role, outreach to communities that need to be brought into the fold and get participating
  - Gap analysis and actions to fill in the gaps
- Need to keep moving forward and need to put this to the general membership in January
  - Non-Profit push is because there are ideas coming up, but no vehicle to take it to the step of action
  - This is an effort to revitalize and legitimize the organization
- CAP Grant Application should come from MSGIC, can this be done?
  - MSGIC should at the least be a partner on the CAP Grant application
  - Action Item: As a non-profit organization – there is the potential that MSGIC could apply directly – need to check – Roger Barlow
  - Would want Executive Council to endorse the CAP Applications
- Action Item: forward by-laws out the group as another draft for final comment
  - Vote on Dec to move forward for vote with entire group in January
- No response to joining The Society of Nonprofit Organization
  - Anticipate removing this from the list
- Move forward looking into IRS paperwork needed to complete the process
- Looking for donations of funds for submitting paperwork to become a Non-Profit Organization

**MSGIC Coordination** – Data Resources Subcommittee – Ashley Buzzeo

- Housing cleaning needed inside of MD iMap – identified some things that need to be done
- Changing domains from Towson to DECO network
  - Not using Towson domain anymore
  - Staging switched over this past weekend – went rather smoothly
  - Production to be switched over this next weekend – outage will be spotty (Nov 11 – Noon to Nov 14 @ 9a.m.)
  - Migrate Production to ArcGIS10 is the next thing to be tackled

**MSGIC Communications** – Education and Outreach Subcommittee – Scott Jeffrey/Mark Helmken  
Newsletter

- Implement newsletter mid-quarter (4 a year)
  - Dec leading up to January Quarterly
  - March leading up to Spring Quarterly
- Last format discussion with Susan Wooden and Chris Slavin
  - Might be able to provide some resources at CGIS to this effort
- Content:
  - Something from past quarterly meeting
  - preview next quarterly meetings

- something from Chair
- maybe highlight 2 – 3 folks of exec comm (who they are)
- initiatives and updates
- coming events
- other stuff (RFP, issues)
- recognize an unsung hero of GIS

#### MSGIC Chair Blog

- Consider adding a MSGIC Chair blog?
  - Include question of the month
  - Newsletter would be a summary of question of the month – responses
  - Share responsibility of question of the month
  - Can come up with a format for blog submissions

TUgis conference about what MSGIC has been doing the last year – update

**Action Item:** Once an item goes onto MSGIC website, should be announced and linked on LinkedIn – Lisa Lowe/Julia Fischer

#### State GIS Coordination Efforts – MD iMap – Julia Fischer

##### Funding

- Operating costs through June 2012 are available
- Designed to come from centralized funding of Geospatial Information Office

##### Future of Flex Programming

- Discussion concerning the limitations of Flex with Apple mobile products (iPads in particular)
  - What other programming language options should be pursued?
  - What is the short-term plan? – ArcGIS Online?
  - What is the long-term plan? – jQuery?
- Steven Anderson (Axis Geospatial) – Presentation on Pros & Cons
  - Share at future MSGIC or MD iMap Meeting

##### WFS Enabled Map Services

- WFS-enabled map services allow for data to be downloaded
- Email requests are going out to solicit data owners on whether or not their map services can be WFS-enabled

##### Google Urchin Statistics

- Statistics have been compiled for January 2010 – September 2011
- Annual analysis has been provided for some of the top-level statistics
  - Total # Page Views (Sept 2010 – Sept 2011)
    - 43% MDBroadbandMap.org

- 30% Osprey
- 11% BroadbandMaryland.gov
- 3% MD iMap Portal
- 2% GreenPrint, MDBroadbandMap, StreamHealth
- 1% OceanViewer, Maryland Shorelines Online, H1N1, Estuaries, CSSC, Captiol Budget, TreePlanting
- ISO Categories By Application Use (Sept 2010 – Sept 2011)
  - 60% imagerybasemapsearchcover
  - 16% planningcadastre
  - 11% geocodeservices
  - 4% environment
  - 2% inlandwaters, boundaries, society
  - 1% biota, utilitiescommunication, climatologymeteorologyatmosphere
- ISO Categories by Desktop Use (Sept 2010 – Sept 2011)
  - 35% environment
  - 20% planningcadastre
  - 18% imagerybasemapsearchcover
  - 8% geocodeservices
  - 3% utilitiescommunication, inlandwaters, boundaries
  - 2% society, climatologymeteorologyatmosphere, society
  - 1% transportation, biota, farming

#### ArcGIS 10 Migration

- MD iMap Unavailable: Friday, November 11 @ Noon through Monday, November 14 @ 9a.m.
- Productions servers anticipated to be upgraded to ArcGIS v10 on November 16, 2011

#### Feedback to PSAPs

- PSAP meeting scheduled for November 29, 2011
- Provide some local government examples of success stories and thank yous for resources obtained through PSAP funding
  - City of Annapolis – Imagery (Currently being approached to participate)
  - Garrett County – Parcels (Currently being approached to participate)
  - SHA – Sea-Level Rise
- Upload examples on MSGIC website and add additional examples

Next Technical Committee Meeting: Tuesday, November 15, 2011(1 – 3p.m.) – MDE

#### **State GIS Coordination Efforts** – Business Plan Workgroup: Parcels – Jim Cannistra

- Washington, Garrett, Calvert and Queen Anne’s Counties – additional counties for adjusting parcel points and getting agreements together for this
- Next refresh of parcels for MD iMap this winter – after the holidays
  - Awaiting Garrett County completion to include

- Washington County going through data enhancement to include
- Charles County still QA/QCing data
- Ideally, next update is entire state

**State GIS Coordination Efforts – Business Plan Workgroup: Ortho Fly-over – Jim Cannistra**

- Progressing – as work has been completed for aerial triangulation
- Production progressing
  - Couple areas complete and data delivery has occurred
- QA/QC application worked well
  - Issue: URS and Axis are producing and caching data and making available through web service through ArcGIS and application directly
    - Problems with consistent visibility of data
    - Problems in different areas, problems on all viewers
    - Tried multiple ways to try and resolve this issue – contacted Esri for support
    - Look at cache mapped service and see directory – bring into ArcMap crashes or is only partially visible
    - Might explore hosting caches on MD iMap temporarily
- Delivery .tif, .sid and jpg imagery as available to be pushed up onto MD iMap
- Email from Microsoft
  - Made push last year to provide ortho data at 1 foot resolution
  - Sent proposal last night with what’s been flown, what’s planned and what’s future plan
  - Willing to share with some members of the group – need to check to what extent this can be shared
    - **Action Item:** Send to Barney and Roger – Jim Cannistra
- Pictometry
  - Current contract has an option for oblique imagery
  - Add into state contract with understanding that any work done gives the opportunity for state to get this information – whether this means through application or in the raw, needs to be decided
    - Can’t allow state to just be a contract vehicle and not receive the deliverable/some return on effort of setting up the contract, managing and coordinating the contract
    - Still needs to be fleshed out more
  - Best use case for counties to determine the benefits and strength to proceed with obtaining

**State GIS Coordination Efforts – Business Plan Workgroup: Address Points and Street Centerlines – Mike Sheffer**

- Barney trying to allocate resources to bring this together, on SHA side

**State GIS Coordination Efforts – Business Plan Workgroup: LiDAR – Jim Cannistra**

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**State GIS Coordination Efforts – Broadband Availability – Mike Scott**

- A regional meeting of broadband mapping grantees will be hosted by the Maryland Team and Towson University, specifically
  - Meeting to be held January 11, 2012, time is TBD, but will be around noon

**State GIS Coordination Efforts – Chesapeake Bay Critical Area – Mike Scott**

- Updated coastline, wetlands and critical area boundary are finished for Queen Anne’s and Prince George’s County
  - Will now be passed to the county technical staff for an additional QA/QC process
  - Followed by public meetings for collecting comments

**State GIS Coordination Efforts – dFIRM Conversion – Mike Scott**

- Issue with integration of FEMA and NRCS LiDAR of Worcester Co
  - Suitable for 1 foot contours
- Both datasets have been sent to DNR for usage
- Public meetings to explain the recent results of the FEMA Region III Coastal Study will be held
  - Important that people publicize this and attend if they can
  - Detailed can be found at <http://www.r3coastal.org>

**State GIS Coordination Efforts – TMDL Effort – Department of Environment**

- *No updates at this time*

**State GIS Coordination Efforts – Others?**

- *No items at this time*

**Regional GIS Coordination Efforts – Tri-County Council (Easter Shore)**

- *No updates at this time*

**Regional GIS Coordination Efforts – WashCOG – Charlene Howard**

- Stakeholder design review meeting – today and tomorrow (November 9 & 10, 2011)

**Question:** Interested in information about ArcGIS for SharePoint

- Coordinating different departments to get web applications out to meet the need
  - Guide people to use the best solution for their particular project
  - Looking at all of the options
    - ArcGIS.com, standard web services and one of 3 viewers
  - Pros and cons of utilizing each
    - ArcGIS.com is a quick way to get things up quickly (Michael Bentivenga for information)
    - Road closure application – contained application, access to outside sources
      - Embedded the page in sharepoint
    - Spatially enabling the lists
- Flex data extract widget is giving issues – Esri support involved

- National Capital Region Data Exchange Exhibit – today and tomorrow (November 9 & 10, 2011)
  - Tool in ArcGIS desktop being created to create a service with ArcGIS Server – information to be shared

**Regional GIS Coordination Efforts** – Western Maryland User Group – Elizabeth Stahlman

- *No updates at this time*

**Regional GIS Coordination Efforts** – Delmarva Emergency Task Force

- *No updates at this time*

**Federal GIS Coordination Efforts** – Roger Barlow

- Eastern Shore Imagery
  - Have corrections and starting to review again
  - Embedded tile lines have been found consistently throughout the product
  - Reviewing now
- NAIP imagery has been completed for MD
  - Some data has been sent to MDP
- Frederick/Washington/Somerset County funding is set
  - Somerset County is to be acquired this upcoming 2012 leaf-off season (1 pt for .6 nominal ground sample distance)
    - Capable of yielding 1-foot contours
  - 85% funded for Wicomico County
    - Speak with a few others to make up the rest of the 15%
- FEMA meeting with Region 3 folks in Philadelphia sometime this spring
  - LiDAR coordination has been handed off in region 3
  - Meet and understand priorities for 2013
  - Understand to better leverage what they are interested in collecting
    - Leverage to complete whole counties or larger areas
- Outline FEMA budget for 2012 – 2013 in Kansas City shortly
- \$200 million to \$90 million national cut
  
- Shoreline for Mid-Atlantic Council of Oceans
  - Includes MD
- Nature Conservancy
  - Large scale shoreline data – positive feedback
  - Have up as coast with inundation tool
  
- Waiting for LiDAR delivery in NJ to work on pilot
  - Hasn't been released from USGS yet
  
- National Park Service meeting on Tuesday

- Interests in regional GIS forum
- Recall of NAIP data for several counties (Aberdeen Proving Ground)
  - Been reissued
  - Resampled down to 8 meter
- Future coordination between Maryland & DC ortho collection
  - Efficiency for both jurisdictions
  - Flying DC this spring – collect every other year
    - See if it fits into schedules
    - One of the first multi-jurisdictional collections
- Frederick LiDAR
  - Fully funded, Feb/March to be collected (FEMA & NRCS)
  - Who is flying hasn't been determined yet
  - Contract through USGS
  - Data will be in the public domain
  - FEMA delivery is just point cloud
    - Delivery end of Sept/early Oct
  - Standard 1/9 arc second collection
- USGS will have a booth at TUgis 2011

**Events – MSGIC Quarterly Meetings – Jim Cannistra**

- Winter – Catonsville (Sponsor: KCI, Inc)
  - Need a few more presentations
  - USGS & Using ArcGIS Online (Julie Spangler & Host – Sparrow Regression Model)
  - Last time had 5 presentations – which seemed to be good
  - Like to focus on application usage theme for this time around
  - Like to get one county to present (Allegany)
- Spring – Eastern Shore?
- Fall – Frederick County?

**Events – Tri-County (Lower Shore) Regional GIS Committee – January 11, 2012**

**Events – Other GIS Conferences and Meetings**

- GIS in Business Conference – May 25, 2012
- Western Maryland Esri User Group Meeting – next week
- Call for papers for Esri Conference has been extended to end of the month

**Additional Business – All**

- *No items at this time*

**Next Executive Committee Meeting – December 14, 2011 – Location TBD**