MSGIC Summer 2020 Quarterly Meeting

Presentation: GIO Update

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Maryland Department of Information Technology (DoIT)

Geographic Information Office / Data Services (BI/GIS)

MD iMAP Portal @ https://imap.maryland.gov

Maryland's GIS Data Catalog @ https://data.imap.maryland.gov

Maryland's Open Data Portal @ https://opendata.maryland.gov

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Current GIO Structure and Staff

- Dawn Blanchard

- JB Churchill

- Julia Fischer

- John Lesko

- Lisa Lowe

- Sinan Bolel

- Gabe Creighton [Contractor]

- Susan Hmel [Contractor]

- Darren Lloyd [Contractor]

- Conrad Schaefer

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Changes to GIO Structure and Staff

- Saeed Damadi [Intern] > Concluded his internship

- Vinayak Patil [Intern] > Concluded his internship

- Justin Mannion > Returned to Local Government

- JB Churchill > Joined team from Local Government

- David Myers > Transferred to FMIS team at DoIT

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UPDATES > Fiscal Year 2021 and Budgets

- New Fiscal Year (FY) started on 07/01/2020

- *Reminder* - DoIT is a "chargeback" agency

- FY21 rates are now in effect

- Hiring freeze in place for State of Maryland positions

- Budget cuts are anticipated

UPDATES > Enterprise License Renewals

- Esri Software Maintenance Renewal - In Progress

- Esri SaaS Maintenance Renewal - In Progress

- Socrata / Tyler Technologies Renewal - In Progress

- Qlik Sense Platform Renewal - Completed - Expires 06/30/21

- 1Spatial 1Integrate Renewal - Completed - Expires 06/30/21

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UPDATES > Contracts

Data Management and Analytic Services TORFP - F50B0600063

- CATS+ Functional Area 10 – IT Management Consulting Services

- DoIT intends to award a Task Order to up to ten (10) Master Contractors

- Services categories:
  - Data Management and Governance
  - Data Analytics
  - Machine Learning and Programming
  - Data Program Management

- Closes 08/07/2020 @ 1 PM (local time)

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UPDATES > Imagery Program

Western Shore 2020

- Sites have been selected for color sampling

- Sanborn currently working through aerial triangulation (AT)

- Delivery still on scheduled for late 2020

Eastern Shore 2019

- Available for download from Dropbox
- Final stages of service publishing is underway

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UPDATES > LiDAR Program

- Montgomery County (MNCPPC) edited DEMs delivered. ESRGC to generate and post derivative products to MD iMAP.

- Revised Howard County LiDAR is in review at USGS. Reinspection and acceptance of data anticipated in the next few weeks.

- Prince George's County (MNCPPC) LiDAR on hold due to the COVID-19 office/work restrictions.

- LiDAR acquisition for Worcester, Somerset and Wicomico Counties. USGS QL2, tide coordinated, acquisition scheduled for leaf off fall 2020 with final deliverables by February 2022.

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UPDATES > LiDAR Program

- LiDAR acquisition for Harford, Cecil and Queen Anne's Counties. USGS QL2, low tide coordinated to ensure uniform coastal acquisition.

- USGS released [Revisions to 3DEP LiDAR Base Specification](#) as of June 2020.
  - includes requirement for photographs for every check point used for accuracy assessment;
  - Includes an enhanced definition of NVA and VVA accuracy assessments, NVA required for the point data and a NVA and VVA assessment required for the DEM accuracy statement.
- Dewberry was selected by NOAA for an IDIQ Shoreline Mapping Services contract which will enable Dewberry and its partners to work with NOAA's National Geodetic Survey to develop new technologies and initiatives to protect the nation's coasts.

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UPDATES > COVID-19 Response

- Launched on 03/14, Maryland's website @ https://coronavirus.maryland.gov has had 6,614,307 visitors and 39,777,836 pageviews.

- Recent added maps and charts include:
  - Testing by County,
  - Testing Volume (Tests per Day) and Percent Positive Rate (7 Day Avg.),
  - Positivity % by Jurisdiction, and
  - Percent of Population Tested for COVID-19, by County.

- A translate button links to instructions, in 17 languages, on how to obtain translation services for the site and a Notice of Non-Discrimination and Accessibility link ensures all site visitors get the information they need.

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UPDATES > COVID-19 Response

- 32 datasets are available to explore, visualize and download from [Maryland's GIS Data Catalog](#) and [Maryland's Open Data Portal](#).

- Testing page - https://coronavirus.maryland.gov/pages/symptoms-testing
  - find testing sites, near you, using the testing site locator app;
  - gain quick access to book appointments at select locations;
  - using Survey123, a form collects information on new testing sites, 90+ to date.

- CDC engagement via Esri and BlueRaster resulted in:
  - best practices for automated data update workflows to improve performance;
  - development of enhanced dashboard charts using HighCharts development library;
  - improved desktop and mobile site UI/UX;
  - advanced statistical analysis, including trend analysis and other predictive models.

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TUgis 2020

- Virtual Conference; August 10 - 13 (9 AM to Noon)

- Registration options:
  - Full conference registration = $20.00 / Student = $5.00
  - Group discount options (offer ends July 27th)
  - Gratis conference registration (see website for details)

- Training sessions scheduled for August 14
  - Half-day topics include: ArcGIS Experience Builder; Big Data, Analytics, and IoT; Topographic LiDAR: Transitioning to ArcGIS Pro; Asset Management; Design Principles for Cartography; modeling using PostGIS and QGIS open source tools
  - Full-day topics include: Applied Quantitative and Statistical Analysis in GIScience; Getting Started with QGIS—Data and Cartography; Intermediate ArcGIS Online and MD iMAP

CONFERENCE REGISTRATION ENDS 08/05

TRAINING REGISTRATION ENDS 07/24

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Maryland In the News

March 2020

- StateScoop Radio

[GIS Addressed, Season 3, Episode 3: CORONAVIRUS RESPONSE](#)

Podcast episode on geospatial data at the core of COVID-19 response efforts.

April 2020

- Beeck Center @ Georgetown University Blog Post

[7 Ways to Boost Data Impact in Response to the Pandemic](#)

Report that highlights the critical role data plays in state's response to COVID-19.

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Maryland In the News

May 2020

- State of 911 Webinar Series

[GIS Data in Pandemic Response](#)

How accurate data benefits Maryland's response to the COVID-19 pandemic.

June 2020

- FEMA Response Geospatial Office Newsletter Article

Open Data Helps Maryland Safely Re-Open

Maryland's approach to share and protect data during the COVID-19 pandemic.

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Maryland In the News

July 2020

- Esri UC Plenary (Part 2)

[COVID-19 & Crisis Management - A GIS Approach](#)

Maryland's COVID-19 dashboard is highlighted as part of the worldwide response.

July 2020

- ArcNews Article

[ArcGIS Hub Enables Communities to Rapidly Share Up-to-Date Data on COVID-19](#)

Maryland's approach to data transparency during the COVID-19 pandemic.

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Questions?

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