D R A F T
Meeting Minutes
DGDC Meeting
9:00 a.m., April 4, 2008
House Hearing Room
Legislative Hall,
Dover, DE

Attendance List:

Mike Mahaffie	OMB
Renee Dixon	OMB
Paul Sample	Tech. Adv. Office
Lillian Wang	DGS
Miriam Pomilio	DGS
John Callahan	DGS
Dick Sacher	UD/RDMS
Dave Racca	UD/CADSR
Deborah Sullivan	DNREC
Mike Krumrine	DNREC
Matt Laick	DelDOT
Darin Dell	DelDOT
Rick Sherwood	DEMA
Mary Harper	HCA
Glenn Gladders	DDA/Forest Svc.
Barbara Gladders	DPH
George Yocher	DPH
Josh Waltz	Dover/Kent MPO
Megan Dean	Sussex Co.
Mike Ward	Kent Co.
Danielle Lamborn	Kent Co.
Dorothy Martin	Kent Co.
Jim Hoff	DAFB
Arthur Walker	USDA
Laura Konwinski	URS Wilmington
Jocelyn Beland	Artesian Water
Skip Hurst	Artesian Water
Phil Pierdomenico	Rowan University
Jim Meek	News Journal

1. Welcome and Introductions

Mike Mahaffie began the meeting at approximately 9:05 a.m. with a round of introductions and a review of the agenda.

2. Announcements

Mike Mahaffie asked for any announcements and noted that the DGDC quarterly meetings have been scheduled for the year. They are June 23rd, October 21st (which is the ten year anniversary) and December 10th, all in the House Hearing Room located on the second floor of Legislative Hall and all starting at 9:00 a.m.

3. Approval of December 12, 2007 Meeting Minutes

A motion was made by Jim Hoff, seconded by Matt Laick, to accept the minutes of the December 12, 2007 meeting as presented. **The motion passed unanimously.**

4. Subcommittee and Working Group Reports

Conference Planning Subcommittee
Conference Planning Subcommittee chair Deborah Sullivan gave an update on the conference, which is scheduled for April 23, 2008, in Dover. The early bird registration has been extended to April 11, due to the Delaware AICP Chapter approving the plan to apply for continuing education credits for AICP-Certified planners. The keynote speaker has changed; it will be Mark Cleverley, of IBM. The Capstone Speaker is Joseph Kerski, of ESRI. Visit http://degis.org for more information.

GIS in Education Subcommittee
Miriam Pomilio gave a brief update on the activities of the GIS in Education Subcommittee, which will meet again on April 25, 2008 after the conference. This group

is organizing a K-12 contest for the Conference, titled "Maps Tell the Story: My Adventures." The committee is also actively working on a website that teachers can access for GIS education. This will be presented at the conference.

Technical Infrastructure Subcommittee
Kim Cloud was not present, but Mike Mahaffie noted that there has been a slow-down in plans for this group, due to state budget concerns.

Address Data Working Group
This group has not yet met.

5. Project Updates

Ortho/Elevation/LULC Project
Mike Mahaffie gave an update on the Orthophotography project. He provided a new project update, from Sanborn (attached). Mike has taken delivery of a collection of approximately 30 tiles of "partially obscured" data to meet the concerns of Homeland Security about providing too detailed data of military installations. On these tiles, certain areas have been down-sampled from ¼-meter resolution to 1-meter resolution. With this final ortho data now delivered, Mike will start the process of distributing the data, first to funding partners, including the three counties, and then to the DataMIL staff and to the USGS for help in public dissemination.

Mike noted that he expects to receive DVDs of county-by-county mosaics next week. These will also be distributed to funding partners and made available to the public.

Mike reported that he will work with several subject matter experts in the next few weeks to finalize details for delivery of raw LiDAR data and other elevation products. He reported that there will likely be a "public review period" during which data users will be asked to submit detailed information on any data errors they find; the contractor will then fix all that can be fixed.

Mike recommended that people keep an eye on the following web sites for access to the new data in the future:
- http://Datamil.delaware.gov – IMS/WMS stream of imagery and contours.
- http://eros.usgs.gov – Imagery downloads
- http://lidar.cr.usgs.gov – Full LiDAR data
- Http://ned.usgs.gov – The National Elevation Dataset

TeleAtlas Roads Data Project
Matt Laick reported that he has a new version of the TeleAtlas data that he will distribute to DataMIL and to DTI for download.

Matt reported that DelDOT has cut funding for the TeleAtlas project. DelDOT will be able to fund $45,000 of the $125,000 cost for the next fiscal year. He is looking for funding partners for the remaining $80,000. Matt has scheduled a meeting on April 21,

at 1:00 p.m. at the Del DOT Administration Building to discuss the issue. Those interested are urged to attend.

Mike Mahaffie noted that he would like a report from that meeting for the Executive Council.

John Callahan asked what maintenance is provided by TeleAtlas. Matt provided the highlights that TeleAtlas provides such as field checks, routable network, and provides us the surrounding counties for use.

Mike stated that now is a good time to consider any changes in how we manage road data.

DTI eGIS Project
Mike Mahaffie reported on behalf of Kim Cloud, that DTI's advanced work on building a portal has slowed because of the budget issues. However, Mike does not think it affects the enterprise license agreement. Mike encouraged state agencies to contact Kim for further information.

NSGIC Mid-Year Meeting
Mike Mahaffie reported on the highlights of the NSGIC Mid-Year meeting held in Annapolis such as the New Strategic Framework for NSDI, Imagery for the Nation, GIS Data for Homeland Security, Transportation, Addressing, and a national Land Parcel Data Report. Mike also noted that USGS is working on a new tactical plan for The National Map. More information is found on-line at:

- www.nsgic.org/events/2008_midyear.cfm -- Presentations and other materials
- www.nsgic.org/blog/2008/03/2008-nsgic-mid-year-wrap-up.html -- Session notes

6. Old Business

DGDC Executive Council Meeting
Mike Mahaffie reported on the DGDC Executive Council Meeting of January 30, 2008. The bylaws were approved and a benchmark was awarded by USGS in recognition of Delaware's partnership with that agency. Five subcommittees were established. The Executive Council sent a letter of support to the Imagery for the Nation.

Rosters and Guidance for New Subcommittees
Mike Mahaffie gave a brief overview of the GIS Day Subcommittee and asked for a volunteer to chair this subcommittee.

A motion was made by Miriam Pomilio, and seconded by Deborah Sullivan, to nominate Megan Dean, of Sussex County, as chair of the GIS Day Subcommittee. **The motion passed unanimously.**

Darin Dell and Miriam Pomilio volunteered to serve as committee members. Any other DGDC members interested in working on this group should contact Megan, at mdean@sussexcountyde.gov.

John Callahan asked why the GIS Day Subcommittee is not a part of the GIS in Education Subcommittee. Miriam Pomilio replied that the GIS Education committee is focused on getting GIS education in the classroom.

Mike Mahaffie gave a brief overview of the idea for a Data Standards Subcommittee which was proposed at the DGDC Executive Council meeting. There was a brief discussion of the subcommittee, but not name was suggested as a chair. Mike Mahaffie will continue looking for a volunteer to lead this group.

Mike Mahaffie began an open discussion by asking if a working group is needed to review the Delaware Framework. David Racca stated that framework is something that should be continually reviewed. Mike asked if it would made sense to have a framework standards working group.

John Callahan stated it would be best to keep separate and he recommended against having a framework working group. Mike noted that and suggested that the DGDC itself could serve as the framework review group. It was generally agreed that parts of the framework might be focused on at future DGDC meetings.

7. New Business

Changes and Updates to DataMIL
Miriam Pomilio and John Callahan made a presentation (attached) on changes and updates to DataMIL. Miriam reviewed what the basic services of the DataMIL and noted that staff plans to cut out non-Framework layers. She said that a collection of historic aerial photography will be kept.

A motion was made by Matt Laick, and seconded by Jim Hoff, to recommend to the Executive Council that it accept the pared-down basemap approach by DataMIL. **The motion passed unanimously.**

Miriam reported that the DataMIL now includes the public portion of the TeleAtlas roads data. She added that the University of Delaware has obtained aerial photography from 1977 that it would like to have orthorectified. She said that a student volunteer is working on this a couple of hours each week and if anyone knows anyone else that would be interested in helping with the project contact Miriam.

John Callahan gave an overview of future directions of the DataMIL. He noted that it should serve as a part of an “ecosystem approach” to GIS coordination. He said that the DataMIL should be considered to be the background and support for this larger ecosystem.

Future Directions for the Delaware Metadata Clearinghouse
Dick Sacher gave a brief history of the Clearinghouse (http://maps.rdms.udel.edu/metadataexplorer/), which has been housed in the UD Research and Data Management Office for a bit more than a decade. He noted that changes at the University make it likely that the Clearinghouse will have to move. He noted that this is a good chance to review the purpose and approach of the Clearinghouse for the future.

Dick said that there are several ways to go. There are open-source tools that could be used to replace the existing (Arc-based) system. There is also the NSGIC GIS Inventory tool (information attached) which provides a baseline version of metadata and is well integrated into other metadata systems.

There was a general discussion of the use for metadata and ways to maintain and publish metadata. There was a discussion of ways to make data discovery easier.

Mike Mahaffie asked the group to continue thinking about how we should approach metadata and said that he will bring a small group together to continue the discussion. In the meantime, he asked all members of DGDC to visit the GIS Inventory (http://de.gisinventory.net) and at least register as DGDC users.

8. Open Comment Period

There were no comments.

9. Adjournment

A motion was made by Jim Hoff, seconded by Dick Sacher, to adjourn the meeting. **The motion passed unanimously.**

Corporate Headquarters: Colorado Springs Colorado

Ann Arbor Michigan

Charlotte North Carolina

Ft. Collins Colorado

Pelham New York

Portland Oregon

Sacramento California

St. Louis Missouri

Bangalore India

Project Status Report

Project Name: Delaware Statewide
Client: Mike Mahaffie, State of Delaware Project Manager
Sanborn Project No.: 032007027
Date of Report: Apr 3, 2008
Prepared by: George Halley, Sanborn Project Manager

Project Status:

Ortho-photography:
All corrections have been delivered

- Obscured images shipped on 4/2
- County, 4 band, jpeg2000 mosaics are expected to be shipped by Tuesday 4/8

Impervious Surface/Landuse:
Work is progressing on schedule.

- New Castle to be delivered on 4/11
- Kent to be delivered on 4/18. In that delivery will be all three counties edgematched together.

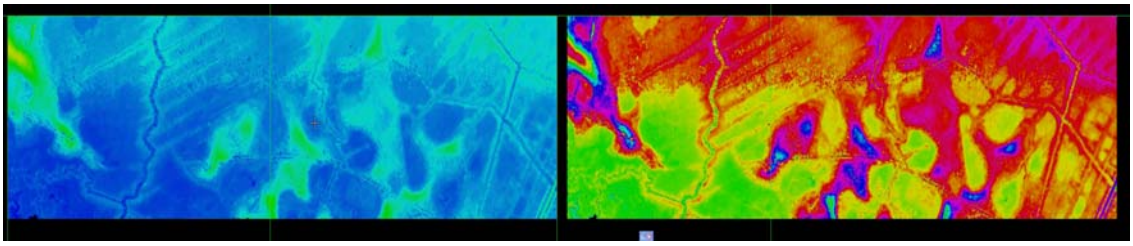
Contours:
Pilot using National Hydrology data was delayed until after LiDAR data review. Sanborn plans to ship the pilot by 4/15

LiDAR:
Minor gap between Kent and Sussex county is being filled in using manual compilation methods. Corrected tiles will ship by 4/15

A 100% review of the LiDAR deliverable was completed and the LiDAR report is in the final editing stages. Data was found within the contract specifications.

Two issues were discussed as part of this review:

1) Because the vertical coordinate system is in feet and the horizontal in meters, the automatic display of the LiDAR data extenuates small artifacts. errors. Basically, differences in the vertical have 3 times the impact than in the horizontal. Here is an example:



On the left, the vertical coordinate system is meters, on the right is feet. Across, the middle of the image, is the seam line between two LiDAR scans. You can see the scan line in both images (note lighter blue on top) but in the image on the right the difference is much more pronounced. This impact is completely dependent on the setup of the viewing software, but generally, the automatic settings of viewers will show similar results as above.

2) At the same time, the artifacts noted previously are significant and Sanborn would like to correct them for the state. We propose a simple corrections cycle for all LiDAR data. The State of Delaware could review the data set over a thirty day period and report all requested corrections with a coordinate location. Sanborn will then go into the data and make all possible corrections. In this manner, Delaware will get the best possible dataset and both entities limit the correction cycle to a reasonable schedule.

Issues:

As recommended in the LiDAR section, I would recommend regular correction cycles for the Impervious Surface, Landuse and Contour deliverables. In my professional opinion, a pre-determined correction cycle is beneficial to both Delaware and Sanborn. It allows for a better product in a timely manner and brings closure to the project. Otherwise, project issues can linger for years. Even with this said, Sanborn stands by the quality of our work and will correct all reasonable requests. We are more responsive when the requests are timely; thus, the value of a pre-determined correction cycle.

Sincerely,

George Halley

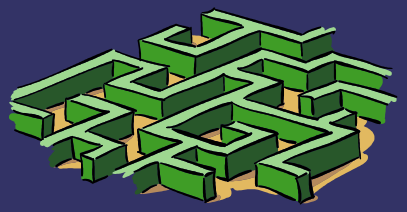
Project Manager
Cell: 719-351-9938
GHalley@Sanborn.com

CC:
Jim Cannistra, Matt Vernier, Andrew Brenner, Sandy Schenck

The Delaware DataMIL

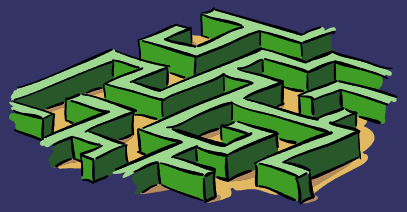
Current Status and Future Directions
April 3, 2008

Miriam Pomilio
John Callahan
Delaware Geological Survey



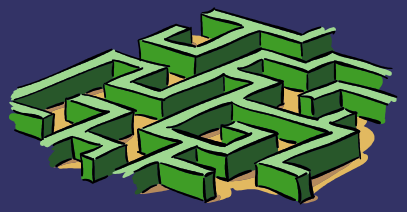
Delaware Base Map

- Boundaries
  - State Boundary
  - State Outline
  - County Boundaries
  - Municipalities
- County Parcels
- Water Features
  - Rivers and Streams
  - Lakes and Ponds
- Transportation
  - Roads
  - Railroads
- Land Use/Cover
- Elevation
  - Contours
  - Shaded Relief



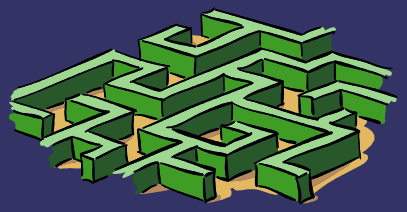
Delaware Base Map

- Aerial Imagery
  - 2002
  - 1997
  - 1992
  - 1968
  - 1961
  - 1954
  - 1937
- Geographic Names
  - GNIS subset
  - Private Schools
  - Public Schools
  - NCC Communities
  - KC Communities
  - SC Communities



Future Directions

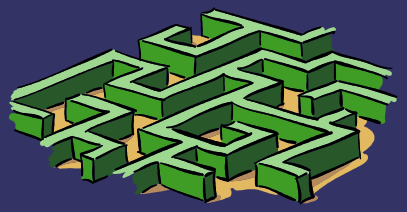
What really is DataMIL?



Future Directions

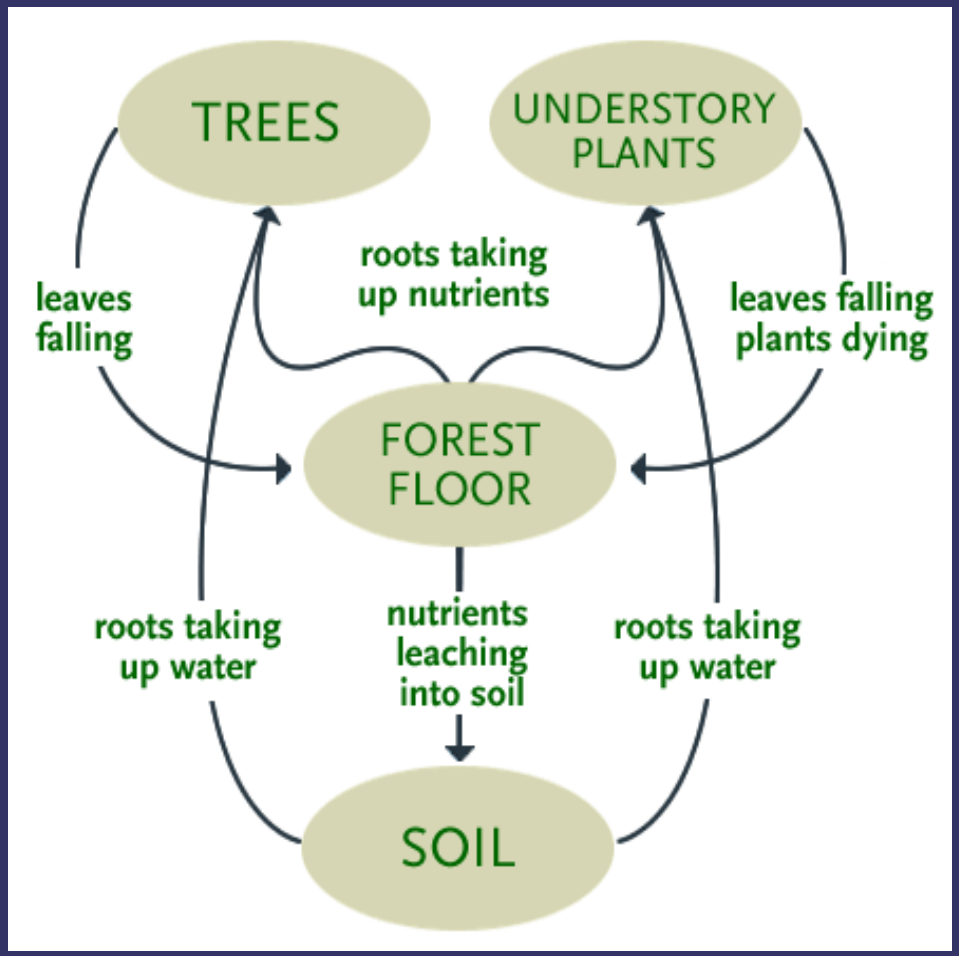
It all starts with

YOU!



Future Directions

DataMIL = Ecosystem around Base Delaware Geospatial Information



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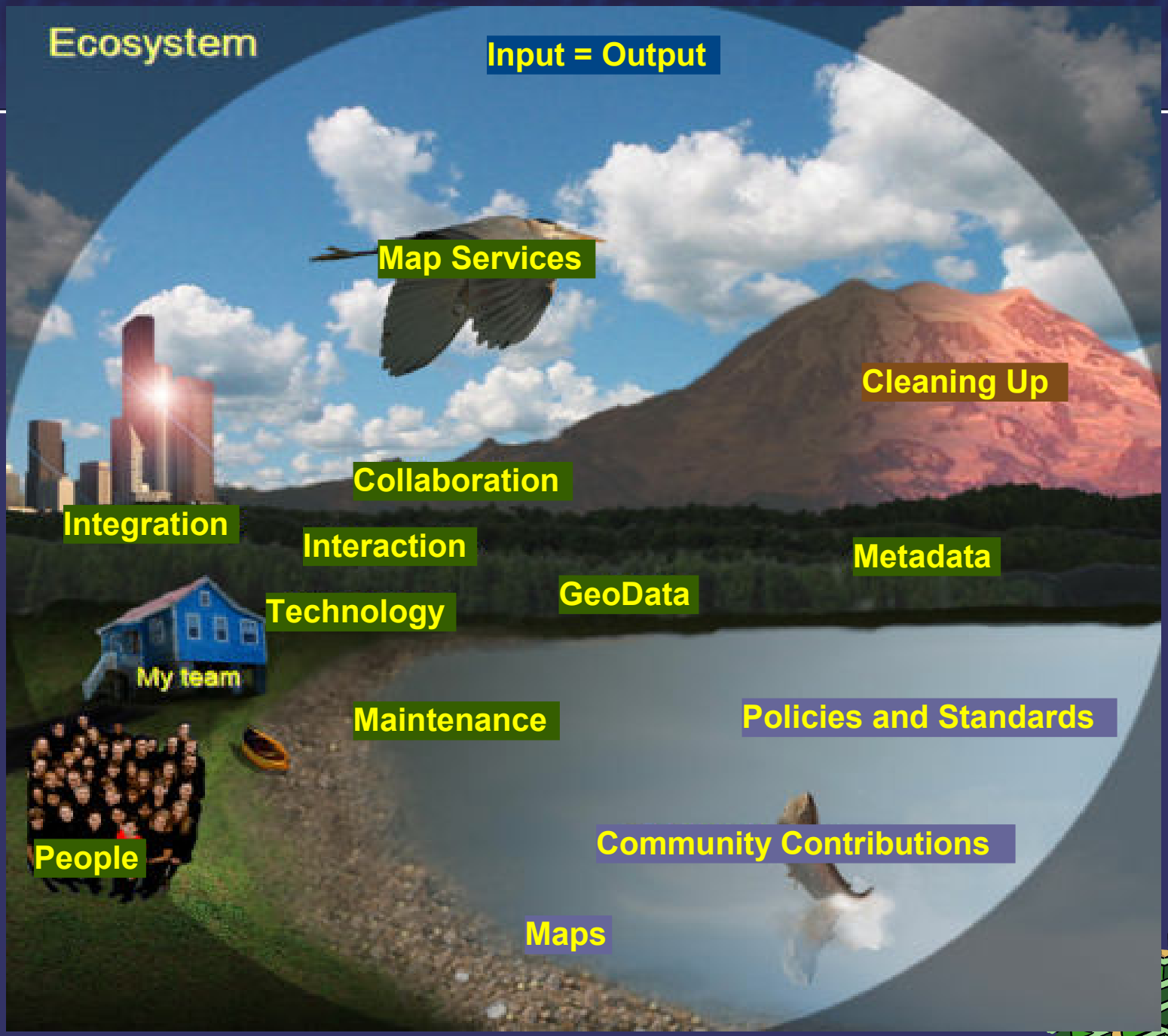

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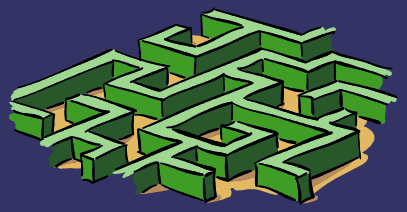
So, what are the pieces needed for an Ecosystem of Delaware's Base GeoInformation?



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Outreach
RSS, Blogs, Pres.

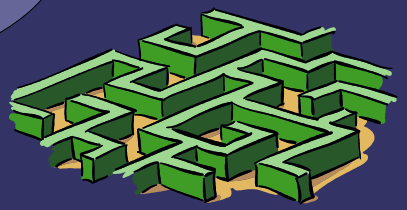
Coordination
Partnerships

Metadata and
Other Information

Forums
Online Editing

Geodata Files
Map Services

Visualization
Mapping



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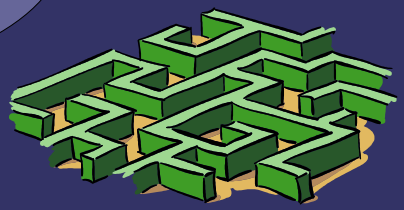

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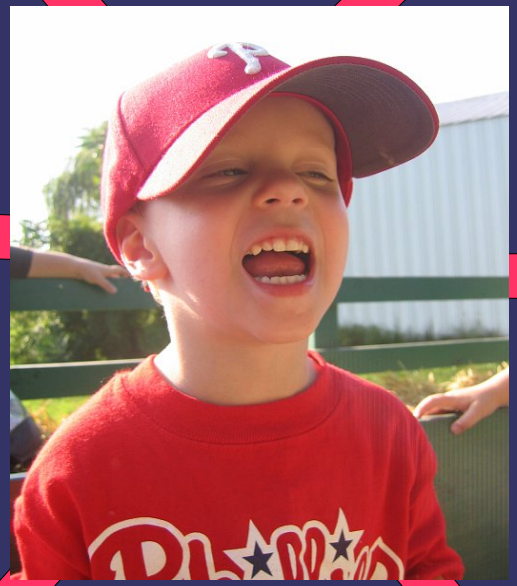

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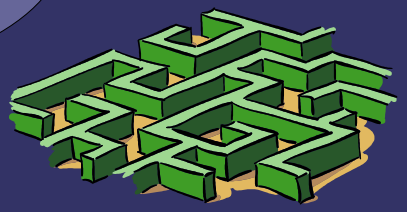
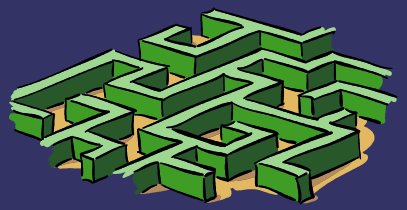


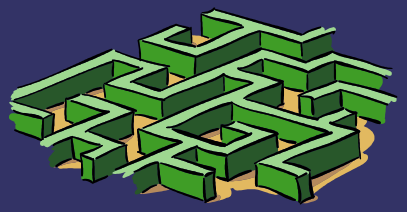
Supporting Delaware GIS

Background

- DNREC, DOE
- K-12, HigherEd
- Census
- Geocoding
- Citizens
- Contractors
- Planning
- Water Resources

Ecosystem approach is necessary to best support Delaware geospatial infrastructure.



Any Questions????

Contact: dgs-datamil@udel.edu