Agenda GIT 12/14/17 9:30 – 11:30; 1500 Jefferson Building   Rm 2208

- Progress Since Last Meeting
- Current Program Status – What is it/ Why is it important/ Progress/ Budget (Geospatial Portal, Imagery, WAMAS)
- General Updates
- Planning for LEG session
- Briefing on Federal Geospatial Data Act of 2017
- WAGIC Program Status & Strategic Plan Update
- February and May Meetings and Draft agendas

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GIT Committee Meeting December 14, 2017

Meeting began at 9:40 a.m.; Adjourned at 11:40 a.m.

Attendees: Joanne Markert (OCIO), Minette Knotts (OCIO), Tim Minter (DSHS/RDA), Greg Tudor (RCO), Matthew Modarelli (MIL), Mark Solie (ECY), Winston McKenna (LNI), Steve Young (DNR). Alan Smith (WSDOT), Christina Kellum (ECY), George Alvarado (DSHS/RDA), Brian Fairley (DFW), David Wright (DOR), Sue Langen (OCIO)

Via Phone: Callie Goldsby (DOH), Michiko Quach (DNR), Perry Beale (AGR), Yoshiro Ouye (AGR)

Audience: Will Sanders (OCIO), Jenny Konwinski (OCIO), Nathalie Smith (Esri)

Review from Sept GIT Meeting

Recommendations

Strategic
- Confirm Strategic Plan and develop supporting workplan: In Progress, update at this meeting
- Setup process to help other agencies use cloud based GIS services: In Progress – finishing design review to use Esri managed services; testing private cloud at WATech
- Setup process to help agencies with limited resources to leverage GIS: In Progress – 2 examples – Board of Accountancy and Traffic Safety Commission

Organizational
- Clarify vision and messages around GIS at the state and Geospatial Portal in particular: In Progress, update at this meeting
- Review GIT mission and meeting logistics: Completed at Sept Meeting
- Confirm committee support for the strategic plan: Discussion planned for May meeting

Budget
- Develop 2 year budget that supports Strategic Plan: Discussion planned for May meeting
- Legislative priorities and impacts to budgets: Remember cost of NOT doing something during bill analyses
- Be realistic on budgets, acknowledge interdependencies

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Other Action Items from September

- Identify areas of connections among agencies: On-going- Open Data, GIS Day, Trails data, WAMAS/ 911
- Increase participation of counties with state efforts: On-going- Open Data, GIS Day, Fall Seminar in Spokane, NG911, Imagery, WGGL group – coordination with WATech LEG liaison
- Integrate GIS into other IT governance: In progress- Interop update today; How to leverage TSB to assist with GIS?
- Focus on transferable apps/ technology: In progress: Open data, targeted technical workgroups
- Should other agencies be invited to the GIT? Liquor and Cannabis Control Board?

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- **Sue Langen (OCIO) -**The March TSB meeting should have four legislative members in attendance. Opportunity to get GIS issues in front of that Board. Joanne will plan to present GIS topics to the TSB in March. We can also plan outreach to legislative members. Develop a Communication plan for the upcoming biennium to continue to get the word out about GIS.

- **Steve Young (DNR)** - Thoughts on TSB. Agreed that it would be good to present to TSB and also to LEG. Focus on awareness that the platform exists, engage legislative members and help to understand the critical programs that GIS supports. TSB would be first group to begin outreach and a communication campaign.

- LCB is spending quite a bit on GIS software and services. GIT agreed that Joanne should reached out to LCB CIO to see if they would like to join GIT.

- Another follow-up action from Sept GIT meeting was whether or not the internet pipeline issue that WATech is leading would impact GIS or not. Joanne met with the WaTech team and there is no connection or impact between the two programs.

Current Program Status

- Current Program Areas
  - Geospatial Portal
  - Imagery Acquisition
  - WAMAS
  - WAGIC

- Report on
  - What is it/ why is it important
  - Progress
  - Budget

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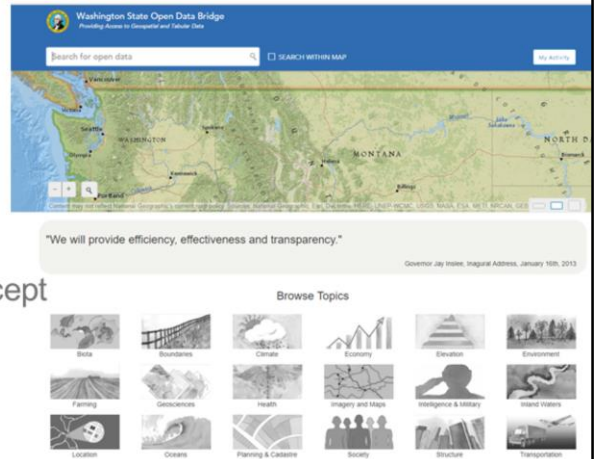the consolidated technology services agency -RCW 43.105.006

GIS services and budgets have been tangled for a very long time. That makes it very difficult to discuss and understand the budgets and issues within the programs. Joanne advocates thinking of our GIS services in these general groups because they relate directly back to the associated budgets and allocations.

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What is Geospatial Portal?

- Vector & Imagery data shared to public
- Imagery data shared to state agencies and specific county partners
- Geo.wa.gov

Why is it important?

- Emphasizes the host once, use often concept
- Standardized way to share data
- Ability to integrate with state agencies
- Counties also want to participate

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Open Data Site for GIS at Washington State.

Progress: Geospatial Portal

- State agencies host their own Open GIS Data site and share with geo.wa.gov

- April 2018: State agencies share data with geo.wa.gov

- Post April 2018:
  - Assist agencies without Open Data sites to share data via geo.wa.gov
  - Counties and cities would like to share data via geo.wa.gov as well
  - Cleanup and share maps/ story maps, etc. in a centralized or organized fashion

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Budget: Geospatial Portal Vector and Imagery Data

- Moved limited OCIO hosted vector data to AGOL

- Examining two options for Imagery:
  - Esri managed services contract (Public Imagery)
    - Still in Design Review at OCS
    - Reviewing updated proposal from Esri – cost is an issue
    - No decision made on this, yet

  - Private Cloud at WATech
    - DFW providing initial GIS Admin assistance
    - Currently testing how this will work, performance, etc.
    - Currently less expensive than previous Esri estimates
    - Testing for imagery shared with state agencies and county partners

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- **Greg Tudor (RCO)** - Portal – Does this include derived LiDAR products from DNR?
  - **Steve Young (DNR)** –No, they are on the geology portal.

What is Imagery Acquisition?

- Purchasing Imagery Data Through contract with Ascent GIS/ Hexagon
  - **2015 (Northeast 2016) – 1ft**
  - **2016 6 in – urban areas** ⎤ Delivered, on geospatial portal, sent to partners
  - 2017 1ft
  - 2018 6 in – urban areas

Why is it important?

- Seamless imagery can be used for many different state and county business needs. It is highly useful and we all need it.
- All state agencies and county partners are using the same base information to create streams, digitize buildings, emergency management, etc.
- Many of the rural counties have joined because otherwise, they wouldn't be able to afford it

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Joanne Markert (OCIO): 2015 & 2016 imagery data is now available within the SGN and has been sent to imagery partners.

Greg Tudor (RCO): Is drone data shared on the portal/ where would that go into the future? How do we want to share it? Drone imagery can provide detailed images with minimal effort.

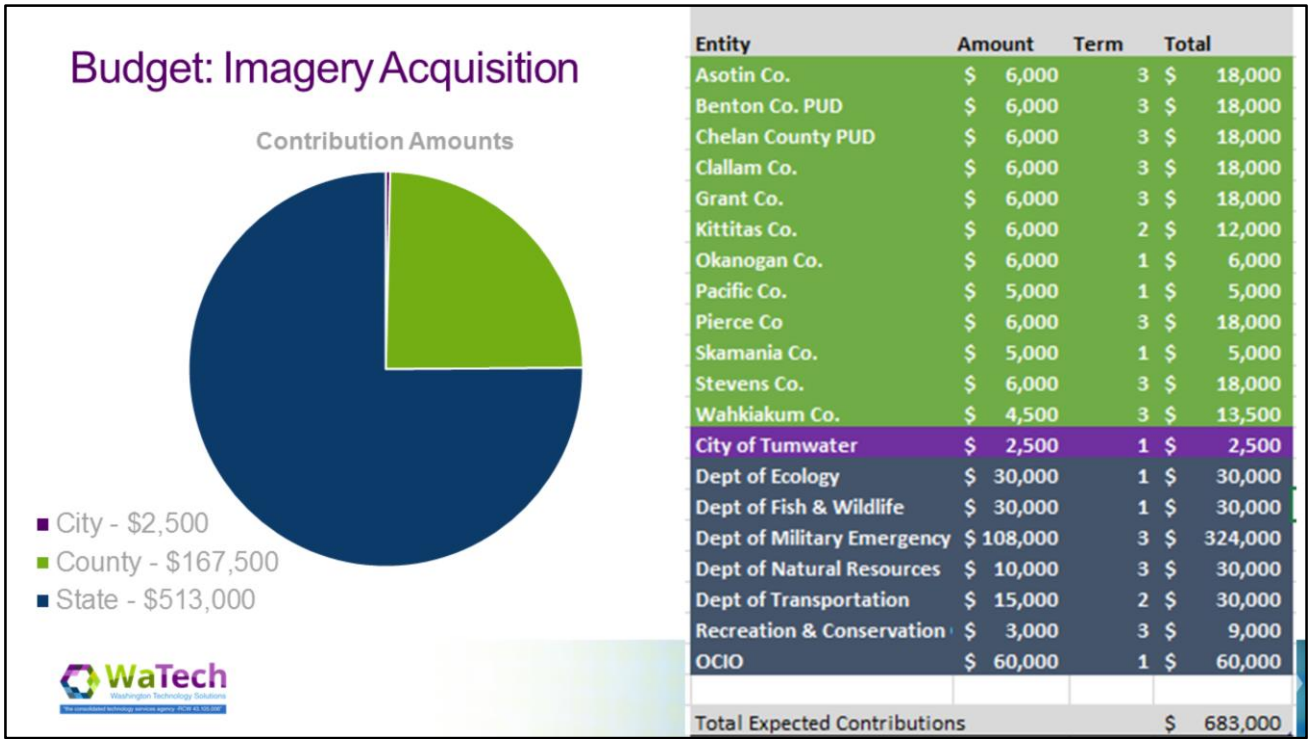**George Alvarado (DSHS)**: What are the policies and standards for drones?

Steve Young (DNR): There are policies around what you can and cannot record. Drone data needs to be screened before sharing due to privacy concerns. UAV's are a big topic in the LEG at this time.

Will Saunders (OCIO): Alex Alben from the WATech Privacy Office has created some policy recommendations for drones, was originally shared with DNR a few years ago. Alex can come to a future GIT meeting to provide a brief presentation. There used to be a workgroup around drones, but it no longer exists.

How Does the Contract Work?

- 2015 Statewide & 2016 Urban Area imagery costs $705,000
  - 3 year payment plan: $235,000 for 3 years. Pay off in 2020
  - After paying it off, we have indefinite use of hard pixels

- 2017 Statewide & 2018 Urban Area imagery costs approximately $705,000*
  - 3 year payment plan. Pay off in 2023
  - Have access until 2020 or until we pay it off in 2023

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Budget: Imagery Acquisition

Contribution Amounts

- City - $2,500
- County - $167,500
- State - $513,000

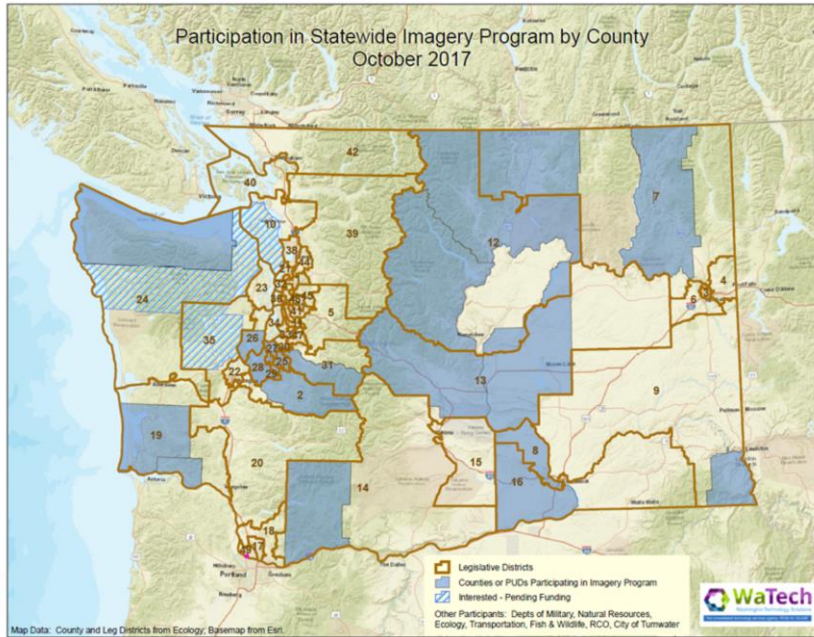| Entity	Amount	Term	Total
Asotin Co.	$ 6,000	3	$ 18,000
Benton Co. PUD	$ 6,000	3	$ 18,000
Chelan County PUD	$ 6,000	3	$ 18,000
Clallam Co.	$ 6,000	3	$ 18,000
Grant Co.	$ 6,000	3	$ 18,000
Kittitas Co.	$ 6,000	2	$ 12,000
Okanogan Co.	$ 6,000	1	$ 6,000
Pacific Co.	$ 5,000	1	$ 5,000
Pierce Co	$ 6,000	3	$ 18,000
Skamania Co.	$ 5,000	1	$ 5,000
Stevens Co.	$ 6,000	3	$ 18,000
Wahkiakum Co.	$ 4,500	3	$ 13,500
City of Tumwater	$ 2,500	1	$ 2,500
Dept of Ecology	$ 30,000	1	$ 30,000
Dept of Fish & Wildlife	$ 30,000	1	$ 30,000
Dept of Military Emergency	$ 108,000	3	$ 324,000
Dept of Natural Resources	$ 10,000	3	$ 30,000
Dept of Transportation	$ 15,000	2	$ 30,000
Recreation & Conservation	$ 3,000	3	$ 9,000
OCIO	$ 60,000	1	$ 60,000
Total Expected Contributions			$ 683,000

For counties, the term indicates the number of years for the SLA. All state agencies are on a 3 year term for access to the data, but paid according to individual agency availability of funds.

- **Joanne Markert (OCIO)** - We are still not quite where we want to be to pay off 2015-16 data. Joanne and vendor are continuing to bring more counties on board. Would like to get the payment plan to be a 2 year cycle that corresponds to the biennium. We are on a 3 year payment plan because we were not able to commit to the contract amount in a shorter time period. Contract with Ascent GIS/ Hexagon is through 2020.

- **Steve Young (DNR)** - Recommend presenting statewide imagery acquisition at TSB and emphasize the use for everybody.

Progress: Imagery Acquisition

Participation in Statewide Imagery Program by County
October 2017

Notice that many of the participating counties are in rural areas of the state that might not have access to high resolution imagery if they didn't join the state program. Really is a statewide resource.

- **Greg Tudor (RCO)** - Are cities running their own program?
  - **Joanne Markert (OCIO)** - Cities can join counties. If the county pays for it, all the cities within it can use it.

Imagery Acquisition Program Discussion Points

- Access to Imagery
  - All older imagery data is available for all state agencies
  - Newest data is only available to those state agencies who have paid (plus county partners)

- Should all state agencies have access to the imagery even if they haven't contributed?

- Counties and Vendors #1 concern is that it not be made public for 3 years. Otherwise, they aren't interested in participating.

- Counties would like to have even higher quality imagery

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- **Alan Smith (WSDOT) –** There is a confusing mix of payments. Some agencies are paying for the acquisition, but all participating portal agencies are paying for the storage. After 3 years, the data becomes available to all agencies via the portal.
- **Christina Kellum (ECY)** – Who is funding the storage for the Portal?
- **Joanne Markert (OCIO)** - Would like to have a strategic plan for funding imagery acquisition. The current funding plan is overly complex and risky. If any partner drops out, then we won't have the money to fulfill the contract. The funding should also include storage costs so that it is more clear who should have access to the data. The Portal is an allocated service and currently "includes" the storage, but does not include imagery acquisition.
- **Steve Young (DNR)** – Agencies have a sensitivity to allocated services and increasing the allocation to cover imagery may be a hard sell. What happens when we are out of storage? This is not a sustainable model for imagery acquisition. We need more partners and legislative visibility. Agencies paying for acquisition are unlikely to want to let agencies who don't pay to have access.
- **Greg Tudor (RCO)** - Are we working with a CFO related to budget costs and scenarios? Someone in OFM may be a good start to reach out for assistance.
- **Joanne Markert (OCIO)** – This program was considered for allocation for this upcoming legislative session, but the concept ended at OFM.
- **Brian Fairley (DFW)** - Solution needs to be consistent and defendable.
- **Tim Minter (DSHS/RDA)** - It may be important to establish life cycle bounds.

Total costs from agencies that use it. The value is high at first, then is lower until needed as historical imagery. Value changes over time.

- **Greg Tudor (RCO)** - We need to engage other people such as TSB. Marketing for people to see this is important. How can we make people more aware and participate? Essential and primary goal to market and understand the value. What is our target marketing audience? Who do we need to convince besides us that this is valuable and we need funding? – Meet business needs for every agency. Some want current imagery, some want historical imagery.
- **Joanne Markert (OCIO)** – We all need to be involved in outreach.
- **Christina Kellum (ECY)** - Helping others recognize how it can be used. Some do not know how useful it is to them.
- **Sue Langen (OCIO)** - Suggestion to create a marketing subgroup from GIT. Define who the audience is. Pick one to start.
- Volunteers for marketing group: George Alvarado (DSHS/RDA) , David Wright (DOR), Brian Fairley (DFW),Will Sanders (OCIO), and Greg Tudor (RCO). Steve Young (DNR) as tentative.
- **Joanne Markert (OCIO)** - Planning to compile a survey to send to existing users so we can learn from current program and improve on it. Who else would benefit from the imagery? WA Assessor Association would be willing to write a letter of support to continue to get funding for our program to the legislature. They would like it enhanced to include 6 inch resolution statewide.
- **Sue Langen (OCIO)** - Fellow CIO's and communities would benefit from the imagery.

What is WAMAS?

- WA Master Addressing Service
  - Set of data (address points, street centerlines and other data to support finding an address)
  - Geolocators (data is compiled into geolocators which are used to find addresses)
  - Tools (APIs for applications, Excel Add-in and batch processing)

Why is it important?

- Ideally, would be used by state AND county agencies to standardize addresses and create consistency in applications and Excel spreadsheets
- County NG911 data is starting to be used as input data to WAMAS
- Using the same data helps citizens when getting services from state and county providers

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Progress: WAMAS

- Services have been reliable– thanks to DOR, DSHS and DOH

- Needs improvement on the infrastructure components

- Has been on "pre-production" servers in test mode

- Need to stabilize infrastructure and offer traditional dev/ prod server environment

- Onboard more agencies once infrastructure is improved

- Projected deficit spending in this program – especially when untangled from Geospatial Portal budget. Need to bring back into budget parameters.

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This service is going to take more planning to migrate to new servers than the imagery.

Because infrastructure components have limited up-time and lack of GIS upgrades to the WAMAS servers, many of the key agencies (DOR, DSHS and DOH) maintain their own systems. WSDOT is adding this service to their developer toolkit, Rick G. at Military is going to use WAMAS in applications. Would like to on-board others – especially those that are paying into the allocation. After imagery services are migrated to new servers, this service will be migrated to new servers.

Budget: WAMAS

- Currently spend 97K/ year on software to support WAMAS
  - Evaluating with the team several of the software products ($40K/ year) to determine if they are truly needed. Paid for through June of 2018.

- Hosting costs have fluctuated. Projected to be very expensive at the start of FY2017; In late October, WATech decreased the billing to reflect reduced support.

- DSHS provided proposal to potentially host and manage WAMAS services; No decisions yet, still under review.

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General Updates

- NG911 standard is adopted!!

- How to leverage TSB to further GIS initiatives at the state level

- Statewide ELA with Esri – conducting some initial meetings to gauge interest from the agencies

- Interoperability Workgroup Update

- **Alan Smith (WSDOT)** – ELA – in the past, DES has added a cost on top of the ELA and treated it as a master services contract. This has discouraged development of a WSDOT ELA, is this still a factor? **Joanne** will look into this. DES approached Joanne as well regarding the concept of a statewide ELA.
- **Tim Minter (DSHS)** Interoperability Workgroup update: Joanne will take over coordination with OCIO and then send to GIS community for comments and review. Unclear of what the status of the workgroup is at this point.
- **Sue Langen (OCIO)** - The previous draft standards and policies that the interoperability workgroup were reviewing, are going to be re-worked into a guidance document. Target is to publish in Spring 2018.

Planning for State Legislative Sessions

- 2018
  - Datum 2022, DNR is leading state legislative efforts
  - WA Assessor's Association is proposing legislation regarding imagery cost study
  - Monitor drone UAV's and UAS legislation

- 2019
  - GIS budget needs for 2019 and legislation
  - This discussion and planning will happen at our May GIT meeting

- Other items:
  - Possible NG911 grant opportunity in Jan – would like to include GIS request, need to confirm that LEG hasn't borrowed money from state 911 funding
  - WGGL Group meeting with WATech Leg liaison
- What else are your agencies tracking?

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- **Steve Young (DNR)** - Land survey folks from DNR will be leading the legislative effort on the change to Datum 2022.

Briefing on Federal Geospatial Data Act 2017

- Introduced in House and Senate committees
  - House – Science, Space & Technology; Oversight and Government Reform
  - Senate – Commerce, Science & Transportation
- Has not passed out of committee yet
- Geospatial data viewed as capital asset
- Sets up and strengthens various committees regarding geospatial data at federal level
- Sets up opportunity for future funding
- In 5 years, no federal funding for geospatial data that does not comply with applicable standards
- Controversy: Different groups interpret the applicability of the Brooks Act of 1972 to this current bill. The Brooks Act requires procurement of "architectural and engineering services" by licensed professionals and cannot take into account cost during selection.

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- **Joanne Markert (OCIO)** - Christina and I are monitoring. One of the things that the WAGIC sponsorship allows us to do.

WAGIC

- What is it?
  - Council members includes local government partners, higher ed, state agencies
  - Co-Chairs Represent WA at National Conferences

- Why is it important?
  - Overarching body that can help guide efforts in WA, incorporate strategy and incorporate counties and higher ed (non-state entities)
  - Increases visibility into federal activities and learn from what other states have done

- Progress: Currently Executive Committee are reviewing the strategic plan.
  - Executive Committee is based on those agencies who contribute $$ to the WAGIC effort

- Budget: Used for conferences, minor software purchases, etc. No budget issues.

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Christina Kellum (ECY) lead the WAGIC and strategic planning discussions.

WAGIC fosters the advancement of the geospatial information infrastructure (data, people, technology and policy) and its use across governmental entities within and around Washington State by:
- Identifying geospatial information needs
- Helping develop standards and policy's
- Promoting information sharing
- Assisting in geospatial partnerships

GIT's role- Represents the strategic interest and provides leadership for implementation of cost effective, collaboratively developed spatial data management solutions.

WAGIC Strategic Plan Review:
Expanding Geospatial Collaboration and Transparency, 2015-2019

Round Table Discussion:
- Your Agency's Top IT priority
- Your Agency's Top GIS priority

Review process
- October-Executive committee met
- November-Initial plan review and discussion
- Today-Discuss with GIT and identify what might be missing
- May, 2018: Present strategic objectives detailing the effort and funding needed

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Frame this strategic plan by reviewing your IT and GIS strategic priorities for the next year and build strategic objectives off of these items.

RCO: IT – Data Strategy for Recreation Data
     GIS- Integrate parcels into grants

WSDOT: IT - Implement labor system (no paper timesheets)
     GIS - Streamlining/Automating open data

MIL: IT - Resilient Emergency Communications
     GIS - Implement ESInet E911 & complete statewide common operating picture   DOR: IT - Migrate of Main Frame to COTS
     GIS - Data acquisition and maintenance

DSHS: IT - Mobile Devices
     GIS - Implementation of current software- security, portal, data

LNI: IT - Windows application upgrade
     GIS - Upgrade to enterprise and programmed/dashboard development

DFW: IT - Network Rebuild
     GIS - Deliver agency GIS strategic plan

DNR: IT - Implement SaaS Solution
     GIS -10.5 upgrade to Enterprise & migrate to new viewer

ECY: IT - Move to state data center

GIS - Provide infrastructure and data to support ELA
        & State Data Center migration

OCIO: IT - Facilitating project success

GIS – Plan for stable funding for state GIS program

DOH: IT – Shared Enterprise Solutions: Operationalizing Enterprise
        Content Management – Enterprise Records Mgmt

GIS – ArcGIS software migration to the current version
        & infrastructure improvements

WAGIC Strategic Plan Review:
Expanding Geospatial Collaboration and Transparency, 2015-2019

Vision: Utilize geospatial technology to facilitate decision-making to benefit Washington State citizens.

Mission: Work in partnership with the public and private sectors statewide to provide accurate, consistent, accessible, and authoritative geospatial resources for decision-makers and the public.

Goals:
- Pursue Open Data initiatives to Facilitate Sharing of WA State's Geospatial Data
- Increase Understanding and Support for Geospatial Resources through Education and Outreach
- Fully Staff Washington State Geospatial Program Office and Establish the Program Office within the OCIO's Enabling Act
- Strengthen Coordination across Jurisdictions and Agencies

One of the largest changes that we'd like to propose is to combine the 2nd and 4th goal together.

Goal 1: Pursue Open Data Initiatives to Facilitate Sharing of WA Geospatial Data

- Establish Authoritative statewide datasets, including metadata on ownership, frequency of updates, file types, contacts and others.

- Foster widespread use of statewide data standards and guidelines.

- Develop and provide access to a shared geospatial infrastructure for smaller state agencies with limited GIS capabilities, including server space and software licenses.

- Coordinate Next Generation (NG) 911 data requirements at the state level with input and support from local governments.

These are the Strategic objectives as they are currently in the strategic plan.

The WAGIC executive committee agrees that we need to review these objectives and change them to be measurable objectives with defined metrics.

There was general agreement from the GIT participants that the objectives need to have metrics and an easier way to determine when they have been achieved.

Greg Tudor (RCO) - How does data flow between state agencies, etc.? Is this question being addressed? How they utilize each other. Big transactions of data we need to focus on.

Goal 2: Increase Understanding and Support for Geospatial Resources through Education and Outreach

- Define target groups of users, analysts, and decision-makers and develop a communication strategy for each group.

- Widely publicize existing map and data portals, data standards and other relevant geospatial efforts in Washington State.

- Redesign WAGIC's web site to make it more accessible, user-friendly, and informative (include existing documentation).

- Conduct a Return on Investment case study to make the business case for GIS investments.

- Encourage the use of WAGIC list-serve or similar resources across the state and local government levels to promote relevant GIS news and opportunities (including conferences, trainings, and other).

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- Bullet 1 should be deleted, not a specific objective.

- Bullet 4. Tweek this wording to be about the value of GIS, the importance of a State GIS effort and what it costs if we don't use GIS. Not necessarily valued with money but also with the efforts that are spent.

Goal 3: Fully Staff Washington State Geospatial Program Office and Establish the Program Office within the OCIO's Enabling Act

- Fully staff the Washington State Geospatial Program Office

- Develop dedicated funding for Washington State Geospatial Program Office

- Establish clear legislative language for the Washington State Geospatial Program Office within the Office of the chief Information Officer

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David Wright (DOR) - Need a coordinated effort to make this happen. We can do more if there is sustainable funding for GIS program office. This means fully funding the geospatial program office/staffing, imaging and acquisition, etc. David has experience with previous strategic planning cycles for WAGIC. The biggest gap is the drive to shared, core services, efforts across agencies. We cannot do this without being funded. There has to be a good solid statewide GIS program office. Sometimes different agencies have mandates to do the same thing regarding data development. Should try to coordinate those efforts and potentially "clean-up" conflicting legislative mandates.

Sue Langen (OCIO) – Focus on goal statements rather than OCIO specific management. What is the outcome you are trying to achieve? Soften the legislative language bullet item. Marketing plan and funding plan will identify the community and goal around sustainability of the program.

Goal 4: Strengthen Coordination across Jurisdictions and Agencies

- Coordinate statewide GIS efforts, including data acquisition, development and stewardship to promote collaboration and data fidelity
  - Imagery; statewide parcel

- Address the digital divide issues that exist in Washington where mutually needed data is non-existent or poorly maintained due to resource issues.

- Engage in partnerships with state higher education institutions and community and technical colleges.

- **Christina Kellum (ECY)** – Asked the group for comments on this goal. Looking to simplify and make things more tangible. When we get through these have we done them? Right now, it is hard to say. The goal is to have a more clear yes or no answer.
- **Sue Langen (OCIO)** – There is a state technology plan being developed with 5 goal areas. When this WAGIC strategic plan is complete, look for ways to tune the statewide plan to include location based services.

Thank you

- GIS Day Event – very successful thanks to many agencies

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City of Bellingham; Skagit County; City of Seattle; City of SeaTac; Cowlitz County; Thurston County; City of Olympia
Plus many state agencies

Suggestions for Next GIT Meeting Agenda

- February
  - Phone/ Skype Call
  - Legislative session issues

- May
  - Strategic Plan Update
  - 2 year Budget to Support Strategic Plan Priorities
  - GIT to determine funding options to support plan
  - Next steps and timeline for 2019 session prep

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- Suggested face-to-face meetings in May, Sept and December and a Skype meeting with LEG/budget updates in February.
- Will also email updates to the strategic plan for review and comment prior to May