

Meeting Minutes - GIS LEADERS (GPL) COMMITTEE, May 10, 2022

State of Oregon
GIS PROGRAM LEADERS (GPL) COMMITTEE
Date: May 10, 2022
Time: 1:30-3:30pm
Microsoft Teams meeting

Roll call:

Scribe: Thom York, DOR

Attendees:

DAS – GEO / CDO: **Rachel Smith, Dave Mather, Tom Elder, Willow Crum**

ODA: **Diana Walker**

DEQ: **Malavika Bishop, Don Pettit**

OEM: **Daniel Stoelb**

Esri: **Lacey Summers**

ODFW: **Jon Bowers**

ODF: **Arthur Rodriguez, Steve Timbrook, Carl Swanson**

DOGAMI: **Rudie Watzig**

INR: **Myrica McCune**

DLCD: **Tanya Haddad, Randy Dana**

OPRD: **Brady Callahan**

DOR: **Thom York**

DSL: **Randall Sounhein**

OMB: **Joe Severson**

ODOT: **Phil Smith**

OWRD: **Bob Harmon**

ODGT Update (GEO)

Dave Mather

- discussion of issue with Taxlot feature service, used for instance by <https://ormap.net>
- A slight shift appeared in a feature selection when overlaid with other layers and with aerial imagery
- Note to others who publish from ArcGIS Pro to Enterprise 10.9: download the Pro patch
- Link to download in chat:
<https://my.esri.com/#/downloads/ArcGIS%20Pro/2.9>
"Data and Content" section
ArcGIS Coordinate Systems Data for ArcGIS Pro Per User Install
- No clear explanation from ESRI, but it works
- Noted that Brady also had a separate issue with his HARN projection, but it also seems to be happening with standard "2992" projection
- Comment from Brady in the chat: You won't know you need it until you need it. Yes, you should install it.

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- Comment from Tanya in the chat: The GDAL/OGR database has a lot of updates, seems like this could be related
- Question from Thom: is it a Pro fix or Enterprise fix? A: It's a fix for Pro, not Enterprise, as Pro is what Dave was publishing from and it appears the bug is in the Pro-to-Enterprise publishing step
- Question from Arthur: is it something that would be noticed? A: yes, lo ok for a slight shift

Rachel Smith

- Team of people currently QAing 2020 NAIP imagery service that Quantum (MB5?) is standing up
 - o Announcement coming soon on these new imagery services ready for consumption
 - o Brady (later, referring back to this point): Imagery is already QCed by folks over at NAIP and is good. This QC is that the actual web services themselves are working, esp since all the data was reprojected by Brady from UTM to Oregon Lambert
- Anyone in ESRI EA, expect to hear from GEO month to 6 weeks expect to hear about "True Up" reports
 - o GEO prepping for what licenses you want to use in next fiscal year
 - o Consider this a heads up to start your process for determining what you'll need
 - o Survey users, figure out what licenses are needed
- GDMS project
 - o Rachel presented update to GPL and OGIC update
 - o Currently in holding pattern, consultant still getting under contract
 - o Kickoff scheduled this month
 - o Significant delays in project
 - o Re-scoping and project timeline adjusted occurring
- Reminder about OGIC survey
 - o Sent to "GIS Practitioners": GPL, FIT leads, FIT teams, OGIC PAC/TAC
 - o Deadline coming May 20
 - o OGIC Strategic Plan Workgroup soliciting input on development of next strategic plan for geospatial data management and sharing
 - o Asking about OGIC's roles and how they can help with your day-to-day work
 - o This work is to determine current OGIC goals and if there should be any new goals for the next 4 years
 - o Accepting members to work on strategic plan (meetings monthly)
- Joint Legislative Committee on Information Management and Technology (JLCIMT)
 - o OGIC, along with Office of Data Governance and Transparency, have been asked to present to JLCIMT June 3rd 1-3pm
 - o Will be reporting out to legislature on the OGIC fund that supports the Framework program, OGIC activities regarding data sharing and management, plus an update on GDMS project
- Question from Thom: is there a link to the JLCIMT meeting for people wishing to attend? Answer from Rachel: Not yet, but Rachel will email a link when it becomes available, or keep checking here: <https://olis.oregonlegislature.gov/liz/202111/Committees/JLCIMT/Overview>
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- Question from Bob: the True-Up report regarding license usage, is it for Desktop/Pro/Enterprise but not AGOL? Answer from Tom: it does include AGOL, Tom Elder will populate a report, use it to determine if you want to add/remove users. Bob: AGOL growth has been phenomenal. Rachel: at this point, it's just a True Up, a "point in time" assessment of where you're at, you can gain more AGOL users in the coming year no problem.

Framework Program Update (GEO/Brady)

Rachel Smith

- New Administrative Boundaries FIT lead: Karen Grosulak-McCord, a recent Planner hire at DLCD
 - o If you're on the AB FIT, you'll get notified about voting for her to be next chair of this FIT
 - o Admin boundaries are pretty broad and may have a number of GPL people on it
- 2022 Imagery acquisition update
 - o Brady and Rachel pushing USDA as hard as they can
 - o USDA are delayed due to getting people under contract at their end
 - o Some concerns about being able to get this project done during this year's flight season
 - o Currently in a holding pattern

Brady Callahan

- To be clear, operating under the assumption there will be a 2022 flight
 - o 1 ft resolution
 - o 4 band
 - o covering entire state
- Just waiting on USDA to send us an agreement that can be processed through DAS
- Once that's received, the next step will be for Rachel to set up inter-agency service agreements with all contributing partners
- Brady will send an update when there's more information from USDA
- Question from Arthur: did we also get money for a digital surface model? Brady: Yes, with contributions from Forest Service and BLM
- Question from Rudy: how much space is required for raw data on the hard drive when you get the delivery? Answer from Brady: roughly around 11TB for the 1ft (then later in chat: 1ft GSD 4-band statewide imagery (2017/18 & 2022) is 11.75Tb. The 2020 60cm data is 3.3Tb)

OEM Update

Daniel Stoelb:

- Fire season prep underway
- 2021 GIS in Emergency Management Review Survey:
 - o Reminder to please fill it out: <https://forms.office.com/g/EHTAWMYpKG>
 - o Prepared using Microsoft Forms, survey is more consistently implemented this year vs last
 - o Focus on list of what is considered framework datasets that is used in the emergency management realm, and what issues you might have had with the datasets
 - o Opportunity to identify emergency datasets that aren't part of the Framework
- Looking to get a Prep FIT meeting on the book soon, stay tuned
- Work begun on OEM preparedness framework data catalog
 - o Transitioning from Incident Response Information system to an online visual catalog
 - o New data in catalog now available: power safety public shutoffs
 - Areas designated as high risk areas due to wildfire activity in the past
 - They may be subject to power shutoff in the future if there's a wildfire in that region
 - Result from work with PGE and Oregon Public Utility Commission
 - Ongoing effort to expand dataset, trying for Pacific Power data next
- OEM last week in Dalles/Wasco had training exercise event

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- Oregon Damage Assessment project
- Data collection for home and business damage
- Field exercise where they went out to use the tools to collect damage assessments
- Use of the Impacts Review Dashboard
- Template updates coming after feedback from exercise
- Excited about this pilot project, going to take it to other regions

ODF Presentation: Evolving Workflows of a Modern GIS

(see ODF Powerpoint for more detail)

Arthur Rodriguez – Introduction

- 30 power GIS users, 300 licensed GIS users
- L-drive GIS Library: of SDE servers (internal and external), layers, FGDBs, raster data
- P-drive GIS Projects: split up by type, year
 - Takes advantage of Pro's creation of a working project folder

Steve Timbrook – ODF ArcGIS Enterprise and GeoEvent Workflows

- ODF Enterprise Components
 - ArcGIS Server (SDC), F5 proxy, multiple web adapters for Feature, GeoEvent and Image
 - File Server
 - SQL Server
 - AGOL
- GeoEvent Server Role Workflow: Lightning
 - Partner with Vaisala, who have a reporting service for the cloud to ground strikes
 - Setup an SSH connection where they send ODF ASCII text file with a log of strikes
 - Text file translated as a GeoEvent service into GIS data for use in products
 - Features
 - Ellipse generation with probability ends up as a feature service as well
 - Peak Current, Multiplicity, Lat/Lon, Number of sensors
 - Web site, but also service published to AGOL so others can build their own applications
 - Printing available
 - Service shared to agency protection group
- GeoEvent Server Role Workflow: Vandalism Tracker
 - Garbage, vandalism, vehicle
 - Survey 123 was used for reporters to identify and take location/photos of issue
 - Service is read/write so they can be edited after creation
 - GeoEvent Service uses a geofence
 - Used with spatial filters to only do something (e.g. geotagging) to records within the geofence
 - Saves user experience from having to manually enter field values required by the dashboard but can instead be derived spatially
 - Processed data ends up on dashboard
 - Here's where data can be edited using Experience Editing Widget
- Daniel expressed interest in the lightning strike data for OEM purposes, will follow up with Steve offline

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Arthur Rodriguez – Image Server

- ArcGIS Image Server used to access and distribute many forms of raster data and services
- Special focus areas:
 - o Topography
 - o Lidar
 - o Aerial imagery
 - o Base maps
 - o Georeferenced published maps
- Mosaic datasets examples:
 - o Slope and hillshade
 - o Many many surveys, some down to 1m resolution
 - o Mosaic dataset allows multiple surveys to be presented as a single seamless layer
 - o Mosaic dataset are also published as a service
 - When you create the overviews, they display really quickly
 - Lots of great benefits
- Raster Functions examples:
 - o Hillshades
 - o contour elevation lines
 - o default symbology on DEM rasters, e.g. false color template

Steve Timbrook – ArcGIS Online and Web GIS

- Most above services created in ArcGIS Server Image Server etc. get published to AGOL
- They become a registered/hosted feature service in there
- Allows sharing with select AGOL Groups
- Allows for people in Pro to use the Portal tab in Catalog to access data, rather than through a traditional L-Drive GIS Library search
- Allows for implementation of "branded" standards for consistency and ease of later searching
- AGOL leads to dashboard creation by users (few examples shown)
- NIFC AGOL collaboration with their National Incident Feature Service discussed
- Important to separate the authoritative accounts and their services/apps from ad hoc end-user stuff, which appears alongside in AGOL

Arthur Rodriguez – Summary

- Check out the ODF Hub page, link to external version (ODF-only internal also exists): <https://oregon-department-of-forestry-geo.hub.arcgis.com/>
- One of the ODF's goals and challenges is working toward an ODF Portal:
 - o ODF coming close to the limit on what AGOL can do
 - o Want to implement big data store
 - o Also branched versioning will allow ODF to remove two-way remote data replicas and the overhead associated with maintaining them
 - o Also want easier account management through federation

Questions:

Brady: How do you deal with Project Team lifecycle? So who tracks when to remove the group, and what happens to the data/content?

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Answer from Steve: Hosted services are backed up, project coordinator is responsible, usually when program wraps up they are responsible for taking that project data down, or results in being folded into the larger Enterprise

Tanya: Is the Portal going to be entirely inward facing? Do you expect your users to use it mostly in conjunction with or instead of AGOL?

Answer from Steve: Portal will be external, to be an extension of the GIS Library (L-drive), fire mapping example (100% using web services for editing via AGOL/NIFC)

- Ultimately want people not dependent on the VPN/RDS

Randy: Are you using more Pro than ArcMap at this point?

Answer from Steve: 60-40 Pro-ArcMap. ODF focusing on move to Pro, since migration of workflows to Portal, AGOL and branch versioning necessitates it

Roundtable

DAS – none

AG – none

OEM – Daniel: Reminder that all email addresses have changed to @oem.oregon.gov

ESRI – none

F/W – Jon Bowers: There's an open GIS technician position (ISS4) out now

FMO – n/a

ODF – none

DOGAMI – none

INR – none

DLCD – none

SMB – n/a

P&R – none

DOR – Thom York: GIS Modernization project underway, ArcGIS Enterprise servers ordered from SDC, ESRI under contract and DOR-IT has allocated necessary resources, once servers arrive then deployment can get underway

ODOT – Phil Smith: TransGIS version 4 in production, out now, available externally, new mobile component too, please check it out and provide feedback

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DSL — Randy Sounhein: final stages of 10.9.1 migration for production at SDC, with test environment in house

Tanya wants those DLCD print templates 😊

WRB — Bob Harmon: we will be re-posting ISS6 position, didn't get as big a pool of applications first time around

DEQ — none