

State of Oregon
GIS PROGRAM LEADERS (GPL)
Date: Tuesday, October 8, 2024
Time: 1:30-3:30 pm
P. Smith (Oct. GPL Scribe)

Announcements

Daniel Stoelb – <https://christinafriedle.wixsite.com/gisdaypdx>

Randy Sounhein: Information on next chair or remaining agencies to chair?

Daniel Stoelb: Our next chair is Tanya Haddad, DLCD.

GEO Update – Rachel Smith

Change Moratorium - Change moratorium emails sent out regarding final election weeks. This change moratorium is an effort to reduce the potential liability of anything we do affecting elections. It is very unlikely that anything we do in AGOL will affect elections, but please review and consider your systems/infrastructure/services and potentially pause any updates not deemed necessary. EIS/GEO change moratorium effective October 31st thru November 7th with a few restrictions affecting AGOL: no new users, no role changes, no major Esri patches etc. Corporate Esri has already postponed their AGOL update to a date past that timeframe. Do not do anything that looks suspicious or potential cause troubles. Yet on the flip side, this shows a more widespread use of Esri GIS products and the elevated importance and recognition of GIS in government operations.

Arthur Rodriguez – ODF had scheduled our GIS conference that week, but not with any system change in users etc. If there is a need, such as a wildfire, then we would keep DAS GEO in the loop and notify of any critical application use during an event.

Daniel Stoelb - Will Esri be doing anything around elections on their platform at that time?

Rachel Smith - Not that I know of.

Daniel Stoelb - Is there a trigger for what would be included in the change moratorium?

Rachel Smith - I received a to do list and had to get information to users and admins out Monday.

Daniel Stoelb - If this is part of a regular process, it helps to know the triggers and the extent of moratorium so we can prepare and take appropriate actions.

Rachel Smith - The directive intent was to give a month's notice. It was a challenging way to implement our initial attempts at Change Management. There is room for improvement, but we will take it from here (change management).

Ariel Low - Want to confirm, most of what is not allowed are Admin functions? I am trying to understand why an email went out?

Rachel Smith - I too questioned sending the directive out to everyone because it would largely not impact the majority of (2900) folks. We verified importance and the need to send the communication, and it was confirmed. We can email all the Admins. But after confirmation, it was determined that more communication was better. Receiving any feedback from all of you on the messaging after the moratorium would be helpful.

Esri Enterprise Agreement Workshop – Esri EA workshop (see email) is targeted at agencies with Enterprise deployed. First of many workshops over the course of this EA. If you have questions, send an email to Rachel. Otherwise, this will be a good QA session with Chris Marsh.

Daniel Stoelb- Is it to be recorded?

Rachel Smith – Yes, we can record it.

Daniel Stoelb - Rachel, you had mentioned a feedback mechanism. Is there anything planned?

Rachel Smith - I have not heard anything yet.

Jon Bowers: Question in regard to the EA. I was unable to make meeting on the 12th. Could you provide us with a quick EA update around payments?

Rachel Smith – The EA is signed. Cost per agency is still to be determined. We are addressing some agency anomalies; on the to do list for this week. We still need to cover a couple products, user types, small things like that in an amendment. True up reports should follow invoicing. They are NOT tied to invoicing, just a true up of licenses that have been deployed. So, we should expect these in coming weeks.

Questions? - Are ArcGIS Online viewers part of the follow up amendment? YES.

Framework

Melissa Foltz – I have a quick update. There are a couple standards being discussed including: proto standard of address points, and also for trails. Framework forum is on Tuesday October 29th, in a couple weeks.

Oregon Department of Forestry Project Updates

Arthur Rodriguez – Thanks for opportunity to talk about our work at ODF. I invited a couple coworkers. I'll talk about the big picture of what we do. Erik Larsen will then present on Incident Mapping. Finally, Carl Swanson will present on Advance Labeling Strategies for ODF Protection Maps. I have previously presented on our GIS evolution. We have installed ODF Portal. Feature Server, GeoEvent Server, File Servers, Shared Workspace Server. We are moving to Portal as a primary internal data editing

environment. We still use AGOL for anything external. We create needed services for internal use using portal. We share public with AGOL. Happy to talk more on that as people are interested.

Examples of work include one big project on Tracking fuels treatment around fuel reduction on catastrophic fires. We track all of those in one place for planning future work, and for reporting with partners and with other agencies also doing this work. This is for a common picture across the state.

Our Vandalism tracker is connected to dashboards to provide status updates. The Forest Health Unit, on diseases, climate change, and modeling where diseases might occur. The Ash Beetle, a species in the Willamette was discovered in 2022. Once discovered it was already pretty widespread. It is hard work to control and contain. We developed a HUB site for getting the info out there. Outreach focused most recently moved lidar products from file geodatabases to a mosaic dataset with one time host. For the most part, it is working well for a lot of our users.

Communication Strategies focus on helping us reduce duplication of efforts, monthly mapping, power user meeting. We generate discussions, make announcements on new data, demo products and tools. This is a central point of communication maintained portal internal for documentation such as for workflows, training, conferences, etc.

Our Flow Line Survey Tracking System (FLSTS) is used to track survey workflow and manage survey documents. We have a model builder workflow and an ArcGIS Online delivered solution that includes using GeoEvents to provide email notifications and update Teams folders. Next steps include automating the Teams folder creation for each survey, field maps data collection process, and automated flow line QA/QC and edit tracking with attribute rules.

Wildfire Response in Oregon October 2024

Erik Larsen – Provided a basics of ODF protection responsibility and 2024 season overview. Collectively 16.2 million acres with diverse set of assets. 12 fire protection districts. 600 permanent, 600 seasonal staff with three (3) Incident Command teams. 2024 was a busy season. We kept 98% of fires under 10 acres or less. We are still in fire season. It is more humid but no season end event yet. That a significant increase – 17x times more burned than 2023 (a relatively low year).

Oregon's Incident Management Team (IMT). When fire exceeds size or complexity may stand up incident management team (IMT). The ODF IMT are primarily mobilized to respond to wildfire, but also structured to adapt, such as COVID-19, and the Lane County Ice Storm, and Cyber events. The OSFM maintains an additional team near urban or structure interface but require a different dispatch process. For the ODF IMT, all the work that goes into procuring, maintaining, and storing equipment is completed by ODF Fire Cache on the Salem Campus. GIS work occurs within the Planning section's Situation Unit.

Slides of 2024 deployments at Boneyard, Dixon fires and Fire Camp. ODF has two GIS trailers for work on site. We use cloud-based workflows over the NIFC Fire Net. We're equipped to print maps in trailer, but we primarily use the clerical trailers for that. We produce a variety of products on a 12-hour shift or operational period. Common products include, Incident Action Plan (IAP) map, Brief Map, Air Ops,

Progression Map, Tracking Accountable Property Map. In addition to prints there are also online components and support for data collection and viewing.

Authoritative sources include NIFC hosted group. Contains 3 event features for capture lines, points, polygons. Supports accounting of properties like pumps and tanks. Another for IR data , interpreted for fire perimeter and completed fire line. All of this is managed by geo apps. A living document reviewed annually. The files themselves act as metadata. Adhering to standards serves to stand to transition to a new team or transition resources without downtime. Therefore, an interagency standard is used on fire response for resources across the county and standardized symbology are part of that.

Workflow Processes: iR interpretor generates vector data that can be updated at the national level. During the day, field observers typically use field maps to update data on daily update sessions. Anything on fire aviation will be run thru fire approval process. Mobile GDB are converted to FGDB – so that all fire maps are internally consistent. On the Evac side we see more of the OSFM world. Situations are discussed by section Chief and local Sheriffs. The “End Goal” of meeting is to identify changes and a decision to modify evacuations sent to public. We then update to OEM RAPTOR GIS service.

There are opportunities for Getting Involved provided you complete sufficient training. If you are interested. Reach out. Complete a course or Refresher. Time frames end of March – April. Look to have those completed by Spring. There are a wide range of different roles in IC structure.

Advance Labeling Strategies for ODF Protection District Maps

Carl Swanson – We prepare and support many ODF Protection Maps including 1:100,000K, 12 ODF Districts, 53 Map Sheets. We cover 74,000 sq. miles. Used by ODF district staff, sold to the public, and maintain a statewide basemap. A lot is available online. We moved to ArcGIS Pro in 2018 featuring for us multiple maps per .aprx and a more advanced label engine. Labels versus annotation compared. There are many pros to labels. As data update, the label updates with it. We do not have to update the annotation separately. Things move around together better with improved scale flexibility. As we work thru these updates we are improving agency data at the same time. It is also a feature class and the performance is better than annotation. Extensive list of features labels shown. There are challenges however around inconsistent attribution, long names and label density, interaction with other features, unique symbols, and limits of the label engine. A big part of work is to update roads and streams. We communicate to road data editors for consistency. There are a lot of long names that are problematic for labeling. Therefore, we use abbreviation dictionaries. In streams we abbreviate creek, etc., Abbreviation dictionaries are only applied when it needs the room. Annotation for highway shields are easier, so we want to add this from the data and we pull this information from SQL queries.

In conclusion labeling features from attributes is challenging but has advantages. Labeling from data is more flexible, labels can be used for basemap products, future map updates are easier, instead of fixing/placing annotation this time goes into improving/standardizing our data.

Roundtable

BOC – no report.

DAS – Rachel Smith. We are still troubleshooting one spatial for automating the ingestion of parcel data. We are going to manually do initial aggregation and publish data with goal for parcel feature service of five counties with metadata for the pilot. For imagery 2024, the acquisition is done. Contract signed for GeoTerra for QC work. We're making sure we are delivering a good imagery product with completion expected by end of the calendar year.

DHS – No report.

DLCD – We hired Josh Tanner as our new Chief Data and Innovation Officer.

DOGAMI – No report.

DOR – No report.

DSL – No report.

INR – No report.

LPRO – Ariel Low. We are looking to block boundaries selection project. This will not start for another year. As you all know, resource allocation will be a challenge if our state were to participate in this.

Daniel – Could you send an email?

Ariel – Yes, It is part of the redistricting, as well as American Community Data. So, if a block crosses any boundary, like citylim, or school district. It becomes more of a challenge to get other census data for that area.

ODA – Diana Walker. Agriculture is doing a Strategic Plan. We are moving slow and we have big projects with water quality program. Data from PDF's to OWEB. We're digitizing that process for better data ingestion and improved TMDL reporting to DEQ. It's a daunting task in the midst of a slow ODA infrastructure update.

DEQ – No report.

ODF – No report, but a thank you to Rachel for talking at our conference last month.

ODFW - No report.

ODOT - GIS-T 2025 will be hosted by ODOT at the Oregon Convention Center. We'd enjoy and appreciate your participation. We have plenty of volunteer opportunities! <https://transportation.org/gis-t/home/2025-gis-t-symposium/> Esri Roads & Highways implementation is gaining speed. We're meeting with City of Salem for lessons learned and RFP for migration and integration services will be on the

streets soon. Our GIS/LRS manager recruitment did not fill. A job announcement will be reposted in 2-3 weeks.

OEM – Daniel Stoelb. Next Gen E911 tools. Scaling tools back to standardized data. After updating to ArcGIS Pro 3.33. Things continue to work in 3.31. Thank you to participants in our exercise. Should be a great experience for our agency in the event of an activation. Also, will be activating for upcoming elections on Election Day. More info as that occurs. Outside of that not much until past elections.

OHA - Thursday we hold a vote on three (3) decision points. Indicator waiting, Standardization for EJ mapping tool. So, lots of progress happening for us this month.

OSFM – No report.

ODWR – Bob Harmon. Our recent ISS4 GIS Analyst retirement.

Adjourned.