

# Oregon Elevation Framework Implementation Team

<http://www.oregon.gov/DAS/CIO/GEO/pages/fit/elevation/ElevFrame.aspx>

## Meeting Minutes

Wednesday, July 22<sup>nd</sup> 13:05-14:55

### ATTENDEES:

<u>In-Person</u>		<u>Telephone</u>	
Bob DenOuden (GEO)	Jake Macdonald (USACE)	Jake Edwards (DOGAMI)	Rudie Watzig (DOGAMI)
Bob Harmon (OWRD)	Ian Madin (DOGAMI)	Tanya Haddad (DLCD)	
Brady Callahan (OPRD)	Troy Wirth (OWEB)		

### AGENDA:

1. **Introductions**
2. **Administrative announcements and housekeeping**
3. **Update on current elevation data collection efforts**

- a. **OLC (Jake Edwards)**

*There are 17 ongoing lidar data collection efforts. Jake did not go into details on all of them, highlights were: Metro project is largely complete, wrapped up by end of August. Lane County finalized for nine out of the ten areas. Wallowa project just ordered, this is the first of the 3DEP projects. About to order phase 2 of upper Rogue and upper Umpqua. Phase 1 was BLM funded earlier. Ian Madin noted that FEMA is interested in a Umatilla project. There is also a late breaking quick turnaround effort, led by Rose Wallick of USGS to collect topo/bathymetry for the Willamette River. Ian also noted that DOGAMI is not likely to pursue 3DEP in 2016 because of the match required and compounded by the data specifications from USGS that add approximately \$75/sq mile to the cost.*

- b. **ODF North Coast Lidar (Emmor Nile)**

*Emmor Nile was not present, Brady Callahan summarized the project as a ~600 sq mile lidar acquisition in NW Oregon to fill lidar "holes" in this area. Geoterra was used as contractor. Approximately half of the area has been delivered. Quality looks good so far.*

- c. **Others**

*Jake M. noted that bathymetric lidar has been flown recently in some places including Coos Bay and, just last week, Tillamook Bay. Youngs Bay, Baker Bay, and ten miles of the Columbia River near Longview are being collected now and if that goes well, the rest of the Columbia River may be flown next year.*

*Also mentioned was an interest from USFW for lidar for habitat analysis in the Hart Mountain area. Dan Craver is the contact for that.*

*Ian noted that there is a potential to complete the remaining McKenzie River watershed lidar if ~\$230k can be found. He also noted that USFS is interested in lidar for the southern Oregon Cascades.*

4. **E-FIT Document Status**

- a. **Team Charter** [http://www.oregon.gov/DAS/CIO/GEO/fit/elevation/docs/Oregon\\_E-FIT\\_Charter.pdf](http://www.oregon.gov/DAS/CIO/GEO/fit/elevation/docs/Oregon_E-FIT_Charter.pdf)

*The current document, even though it was endorsed by OGIC, is marked as a draft. Bob DenOuden will edit this.*

- b. **Prioritization Plan** <http://www.oregon.gov/DAS/CIO/GEO/fit/elevation/docs/OregonLidarCollectionPrioritizationPlan.pdf>

*The plan needs to be updated for 2015 to reflect newly acquired lidar data as well as review the weighted prioritization scheme from 2014. Jake Edwards will take over guiding the data acquisition advisory committee (DAAC) which will be*

revived to guide the update. Bob D. noted that Tyler Duffy is no longer with the City of Springfield and is not available to run the update. Josh Tanner at GEO can help. Jake M. will contact Brandt Melick to acquire the input data and process steps from the 2014 version. He'll also coordinate a meeting or phone call of the DAAC to coordinate the update of the prioritization plan.

### **c. Stewardship Plan**

The current draft is old, and the group decided it is best to start from scratch with the current GEO stewardship plan template, as exhibited by the recently endorsed UGB boundaries stewardship plan that DLCD created. Bob D. will send this document to Jake M. as a starting point for a revised E-FIT stewardship plan. He will then send out a draft to the E-FIT for review.

## **5. Bathymetry**

### **a. Immediate needs (Tanya Haddad)**

Tanya Haddad described some recently evolving needs for bathymetry data in the coastal program as well as those described by Richard Lycan of the Oregon Lakes program at PSU. The problem, in a nutshell, is that for bathymetry data there is no "one-stop shop" for data coordination and access to available data, like we have with E-FIT and the OLC. There is some data managed at OSU by Chris Goldfinger. Also NOAA provides access to some data. ODFW and DOGAMI do some data collection. OPRD and DSL also have potential interest based on their permitting/regulatory functions.

### **b. Long-term goals**

Jake M. will set up a conference call with interested parties and begin the conversation of how to better coordinate. A separate subcommittee or workgroup could be created within E-FIT to help guide these activities.

## **6. Elevation Data Distribution**

### **a. DOGAMI proposal for online data distribution system (enclosed). Funding decision deferred by OGIC who asked E-FIT to explore other alternatives and report back.**

Jake M. noted that his initial review of the proposal left him with the impression that they were proposing another clip+ship web solution, but upon further review he does see that it is simply an ftp server for providing easy access to lidar funding partners, which is a worthy goal. There is a need for a solution for public access to data, which should examine existing solutions from OpenTopography, US Army Corps (GRID), NOAA Digital Coast, USGS, or others. Jake M. likes the NOAA solution. Ian noted that OpenTopography now requires payment to store additional lidar data. Most agreed that the USGS solution is very clunky. If a formalized agreement could be made with NOAA to provide reliable access to Oregon lidar then that might be the best option. DOGAMI still needs a solution for data management for OLC partners. Brady expressed his opinion that state funds should not be used to fund this OLC specific need. There was also a discussion on where the server, if funded, should reside. Storing this much data at the SDC would cost \$70k/month and would not be accessible to all. Ian noted that DOGAMI will be undergoing an IT review by the office of the state CIO and any solution internal to DOGAMI should wait until that is completed (December). OSU is a possible solution since they maintain a copy of the lidar data for academic research purposes. Brady noted that what is desired is a single seamless lidar dataset available to all – which is not part of the proposed solution. It was decided that Jake M., Brady, and Rudie would get together to modify the proposal to meet the broader needs.

## **7. Closing**

In closing, Ian noted that Mark Fonstad at the University of Oregon (Geography) recently presented some work he has done on using imagery to create depth maps/bathymetry. We also discussed some work that has been done to use stereo imagery in structure from motion to create DEMS. Brady noted that OPRD is doing this along the coast with a 1967 beach image collection. We all agreed that the work of Mark Fonstad would be a good agenda item at an upcoming E-FIT meeting, likely in October.

### **a. Do-outs and deadlines**

- *Jake E. agreed to provide a written status update for the 17 active OLC projects.*
- *Bob D. will remove the draft watermark from the E-FIT charter on the website.*
- *Jake M. and Jake E. will work with Brandt M. on a transition of GIS data necessary to update the*

*Prioritization Plan.*

- *Jake M. will begin a new draft of the Stewardship Plan and recruit E-FIT membership to assist in writing portions of it.*
- *Jake M. will set up a conference call with key E-FIT members and folks from the bathymetry community to discuss a unified vision for bathymetric data management in Oregon and how E-FIT fits in with that vision.*
- *Jake M. will spearhead further examination of existing self-service lidar data download sites to determine their viability as a unified solution for all Oregon data.*
- *Rudie W and Jake E will revisit their proposal and be ready to resubmit it as soon as the DOGAMI IT review is complete.*

**b. Next Meeting**

*The next quarterly E-FIT meeting will be around October. It would be nice to schedule it around the ASPRS Technical Exchange, usually held the same time of year at the Vancouver Water Resources Education Center. Ian M. and Jake M. will attempt to make the two meetings coincident. URISA/NWGIS is October 18-22, best to plan around that too.*

**c. Adjourn**