

DOGAMI Lidar Data Distribution Policy

BACKGROUND

DOGAMI is the primary state agency for lidar data collection, archiving, and distribution for Oregon. DOGAMI distributes a variety of lidar data and derived information and images through defined and consistently applied policies. Some of these products are in the public domain, meaning that there are no restrictions on use or redistribution. Some lidar products must be purchased due to significant staff and IT infrastructure costs in making copies of even small extents of these complex and voluminous data. DOGAMI tiles lidar data products by USGS quadrangle. A single quadrangle of lidar grids is typically 2 GB, and a quadrangle of lidar points is 30 GB.

Our distribution policy for lidar products is outlined below. The policy identifies two groups of users: (1) Oregon Lidar Consortium (OLC) funding partners, and (2) all others.

DISTRIBUTION TO OLC FUNDING PARTNERS

DOGAMI provides copies of finalized data to our OLC funding partners, based on their funded areas of interest (AOI). Finalized data means that DOGAMI has done a quality control analysis of the data delivered from the lidar vendor and that data meet DOGAMI's contract specifications as outlined in Oregon Price Agreement 8655.

Major funding partners (> 50% of the total area of interest project cost) receive the entire AOI dataset. Minor funding partners receive copies of the data for all USGS quadrangles that intersect their contracted AOI. Partner deliveries are generally specified in the funding agreements contracted with DOGAMI.

Many AOIs cover hundreds to thousands of square miles, and the data from the vendor may be delivered to DOGAMI in separate releases spanning many months. DOGAMI reserves the right to compile all lidar deliveries from the vendor before releasing AOI data to funding partners.

Funding partners may redistribute data they receive. DOGAMI does not track the distribution policies of our partners and assumes no responsibility for data redistributed by funding partners.

DISTRIBUTION TO ALL OTHERS

After each OLC project is finalized and the data have been delivered to OLC funding partners, DOGAMI publishes raster data (bare-earth grids, highest-hit (first-return) grids, and intensity images) with metadata, tiled by USGS quadrangle, in the Lidar Data Quadrangle (LDQ) series. LDQ publications are distributed on DVD. Each LDQ series DVD is priced at \$200; partial quadrangles are bundled in single DVDs to reduce the overall cost of data. End-users should expect a time lag of months before finalized data become available as LDQ series publications.

Published LDQ publications are listed at:

<http://www.oregongeology.org/sub/pub&data/lidarpubs.htm#LDQ>

OLC lidar project status updates are available at:

<http://www.oregongeology.org/sub/projects/olc/status.htm>

DOGAMI provides viewable and downloadable lidar imagery for select areas through an interactive web map:

<http://www.oregongeology.org/sub/lidardataviewer/index.htm> (OLC project areas)

OLC project area data are added to this interactive map as they become available.

DOGAMI provides point cloud data upon request through the Lidar Point Data Quadrangle (LPQ) series. LPQ releases consist of a custom area of lidar data points on an external hard drive provided by DOGAMI. Pricing is on a case-by-case basis and depends on the amount of data requested and the staff time required to produce the LPQ.

DOGAMI provides copies of lidar point cloud data to the USGS and NOAA, who post the data on their CLICK and Digital Coast websites. DOGAMI provides copies of LDQ releases to Oregon Geospatial Enterprise Office (GEO) for distribution through Oregon Geospatial Data Library and to USGS for distribution through the NED website. There are significant time lags between finalization of the data by DOGAMI and delivery to GEO, USGS, and NOAA, and further delays between their receipt of the data and posting. Some older Portland area data are also available for download from the Puget Sound Lidar Consortium.

- Oregon Geospatial Data Library:
<http://www.oregon.gov/DAS/EISPD/GEO/alphalist.shtml>
- USGS CLICK:
<http://lidar.cr.usgs.gov>
- USGS National Elevation Data (NED):
<http://ned.usgs.gov/>
- NOAA Digital Coast:
<http://csc-s-maps-q.csc.noaa.gov/dataviewer/viewer.html>
- Puget Sound Lidar Consortium:
<http://pugetsoundlidar.ess.washington.edu/lidardata/index.html>