

## Ebola Response in DRC

DigitalGlobe is publicly releasing the following datasets for non-commercial use to support the Ebola response.

### Building Footprints

- Two building footprints datasets - DigitalGlobe deployed its deep-learning-based building outline extractor on a +Vivid mosaic and on a DYNAMIC mosaic of Equateur Province and is making available the corresponding building outlines in shapefile format. The +Vivid mosaic covers a larger area than the DYNAMIC mosaic but it is less current.
- This release comes with the caveat that we have not performed formal quality control of the results. Given the time criticality of the situation in Congo, we have opted to release results as soon as possible in order to assist operations on the ground. Our preliminary visual inspection indicates that there are cases of individual missing buildings however settlements are, to the best of our knowledge, successfully detected. We recommend using both datasets in order to maximize building recall.
- Fine tuning the building extractor in Equateur in order to improve its accuracy requires the collection of training data which is a time consuming process. In the future, as we collect more training data over this part of the world, we may be releasing more accurate building outlines. Alongside this data, you'll find two sources of the metadata: (1) a user-friendly pdf overview map and source imagery age profile, and (2) an imagery seamline shapefile with dates so you can match specific footprints in the shapefile to the corresponding image date.

### Roads

- Radiant Solutions produced the roads dataset, which is a collection of open source data broken down by type (primary, secondary, etc). This data was initially compiled in 2013 and has been updated specifically around the towns of Bikoro and the village of Itipo.

### Human Landscape

- This geodatabase was also produced by Radiant Solutions. These Human Geography Information Survey (HGIS) datasets are unclassified country-level collections of geospatial data collected at the lowest administrative level describing the environmental, physical, and human geography of Equateur Province. Each dataset includes information on the country's demographics, critical infrastructure, economies, ethnicities, education levels, environment, medical facilities, and significant events to inform operational planning for defense and humanitarian applications as well as other analyses requiring foundational geospatial information.
- Each HGIS dataset consists of vector data, raster data, and imagery chips organized around 13 core human geography themes. This information is collected from a wide range of publically available data sources, academic research, crowdsourcing discovery campaigns and imagery exploitation. Each HGIS dataset includes data from 75+ unique, vetted sources, collated into a finished, analyst ready dataset.
- For more information on the Human Landscape geodatabase, please refer to the pdf overview.