**Gdal code to process data from EPA**

Use this as an example to process rasters from EPA using gdal on the command line. Example used here is the file AgLands\_IUCN\_1a\_1b\_2.tif

#1. Check info on main file

**gdalinfo AgLands\_IUCN\_1a\_1b\_2.tif**

#The main thing to check is the projection type and the code used for Nodata values. These are important for step 2.

#2. Replace specific data codes with 0

**gdalwarp -srcnodata 127 -dstnodata 0 AgLands\_IUCN\_1a\_1b\_2.tif IUCN\_2\_.tif**

#In some places Nodata has a default code of 127. In other places, it has a code of 255.

#3. Replace all no data codes with 0

**gdal\_translate -b 1 -a\_nodata 0 IUCN\_2\_.tif IUCN\_3.tif**

#4. Remove nodata tag

**gdal\_translate IUCN\_3.tif IUCN\_4.tif -a\_nodata none**

#5. Compute fractions and convert to standard dimensions for the working grid.

**gdalwarp -ts 4320 2160 -r average IUCN\_4.tif IUCN\_5.tif -ot Float32 -t\_srs "+proj=longlat +ellps=WGS84" -te -180 -90 180 90**

#6. Write out to bil file

**gdal\_translate -of ENVI IUCN\_5.tif IUCN\_6.bil**