Theme: Land use emissions hotspots

Reference

Roman-Cuesta, R.M., Rufino, M.C., Herold, M., Butterbach-Bahl, K., Rosenstock, T.S., Herrero, M., Ogle, S., Li, C., Poulter, B., Verchot, L. and Martius, C., 2016. Hotspots of gross emissions from the land use sector: patterns, uncertainties, and leading emission sources for the period 2000–2005 in the tropics. Biogeosciences, 13(14), pp.4253-4269.

http://www.biogeosciences.net/13/4253/2016/bg-13-4253-2016-discussion.html

Files

afolu_emissions_stdev.tif

- **Units**: standard deviation in kg CO2e ha^{-1} yr^{-1} (Annual mean emissions for 2000-2005). These are standard deviations of CO2e from the AFOLU sector, which combine CO2 + CH4 + N2O from deforestation, fire (excluding CO2 from savannas and agricultural residues, and excluding humid forest fires to avoid double counting with deforestation), wood harvesting, enteric fermentation, manure management, paddy rice, and cropland soils. Uncertainty data are produced through Monte Carlo simulations (n=1000) for error propagation, and expressed as total variance per pixel. Total variance per pixel is then squared-root to estimate its stdev.
- **Reference system**: Geographic, Latlon, WGS84
- **Columns x Rows:** 546 X 182
- **Pixel size**: 0.5 x0.5 degrees
- **Top Left coordinates:** 35.5 N, -117 W
- **Bottom Right coordinates:** -55.5 S, 156 E

afolu_emissions_stdev.lyr & afolu_emissions_stdev.qlr

Vizualisation layer for ArcGIS (.lyr) and QGIS (.qlr) with he following break classes:

Symbol (R,G, B)	Range	Label
255, 255, 128	0 – 71	0 – 71
252, 228, 104	71 – 600	72 – 600
250, 205, 80	600 – 1,000	601 – 1,000
245, 179, 56	1,000 – 1,500	1,001 – 1,500
224, 144, 38	1,500 – 2,000	1,501 – 2,000
181, 94, 24	2,000 – 2,500	2,001 – 2,500
145, 51, 10	2,500 – 9,000	2,501 – 9,000
107, 0, 0	9,000 – 26,489.88086	9,001 – 26,490

September 2016.