

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.tif

- **Units:** kg CO₂e ha⁻¹ yr⁻¹ (Annual mean emissions for 2000-2005). These are 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.
- **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.lyr & afolu_emissions.qlr

Vizualisation layer for ArcGIS (.lyr) and QGIS (.qlr) which offers the same visualization as the manuscript's Figure 2.

Symbol (R,G, B)	Range	Label
69, 117, 181	0 – 71.890456	0 – 72
110, 143, 184	71.890456 – 251.616598	73 – 252
153, 174, 189	251.616598 – 575.123652	253 – 575
192, 204, 190	575.123652 – 1,042.411619	576 – 1,042
233, 237, 190	1,042.411619 – 1,689.425728	1,043 – 1,689
255, 233, 173	1,689.425728 – 2,516.165977	1,690 – 2,516
250, 185, 132	2,516.165977 – 3,738.303738	2,517 – 3,738
242, 141, 97	3,738.303738 – 5,463.674694	3,379 – 5,464
230, 96, 67	5,463.674694 – 7,189.04565	5,465 – 7,189
214, 47, 39	7,189.04565 – 85,552	7,190 – 85,552

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