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	factor (kg/head/yr)	(kg/head/yr)	emission factor (kg/head/yr)
North America	118	6,700	47
EU	100	4,200	48
Latin America	57	800	49
Africa	36	475	32



Conclusions

- According to *Livestock's Long Shadow*, intensification provides "large opportunities for climate change mitigation, can reduce greenhouse gas emissions from deforestation," and is the long-term solution to more sustainable livestock production
- In the United States, transportation accounts for at least 26% of total anthropogenic GHG emissions, electricity for 31%, compared to roughly 6-8% for all of agriculture, which includes less than 3-4% associated with livestock production



Agricultural Contribution to Greenhouse Gases

- "Livestock's Long Shadow" = livestock emissions 18%
- This is an intern. number and not representative of US livestock.
- This number includes land use issues in developing countries (wetlands reclamation & deforestation), which inflates the number by as much as one third.
- Comparison livestock vs transportation is inappropriate (LCA 3 vs LCA 1)
- Livestock production in US model for the rest of the world due to efficiencies
- Largest issues: digestibility (developing countries) and waste management (developed countries)





