

What to Take Away

- *People on the Move* is a clear step forward
 - Recognizes links
 - Shows concern for incentives
 - Attn to social institutions and security/strife
 -

A Key Issue: Poor and Rich countries

Developing countries cannot reasonably be expected to restrict their future emissions without being assured of a fair allocation scheme **that will not impair their ability to develop.**

Science "Equity and Greenhouse Gas Responsibility" (Sept 2000)
emphasis added



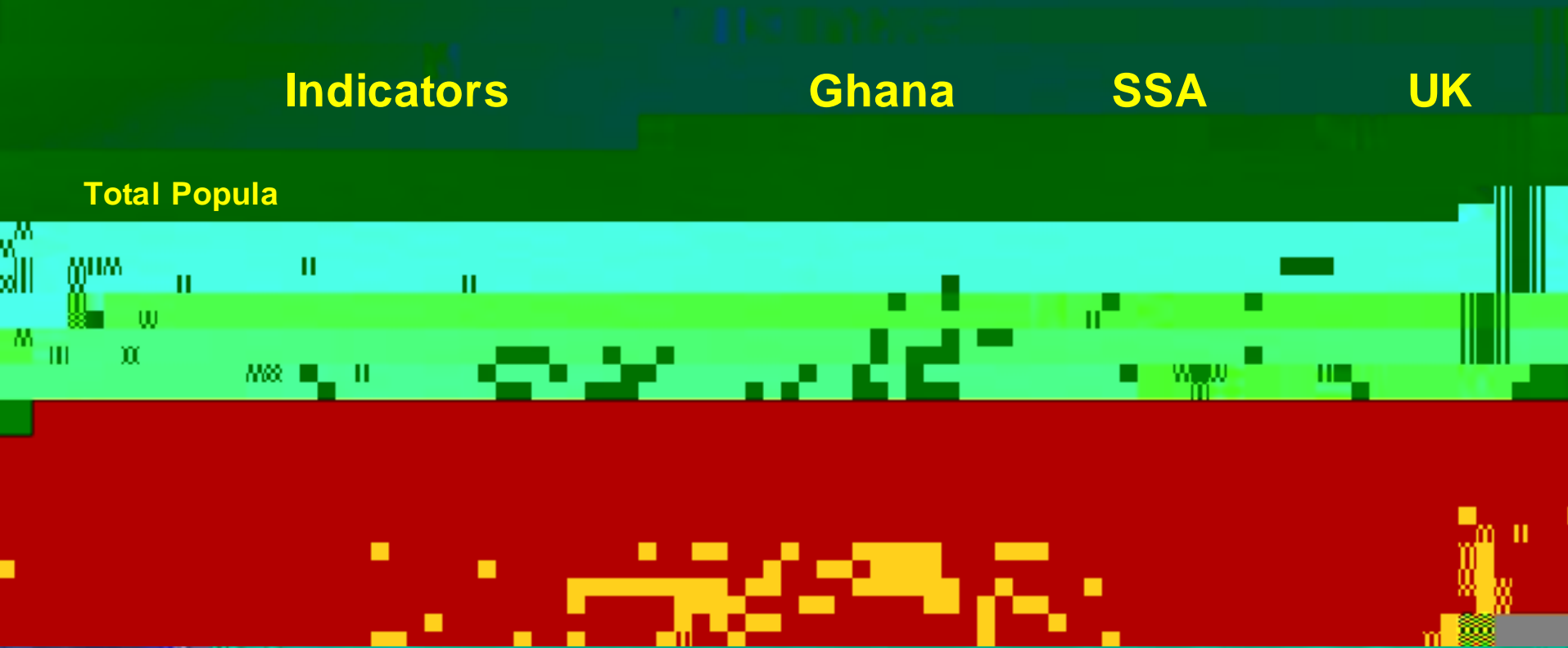
Population Growth and Urbanization often seen as Deleterious



Cincotta, Richard and Robert Engleman. *Natures Place*. Washington, DC: Population Action International, 2000.

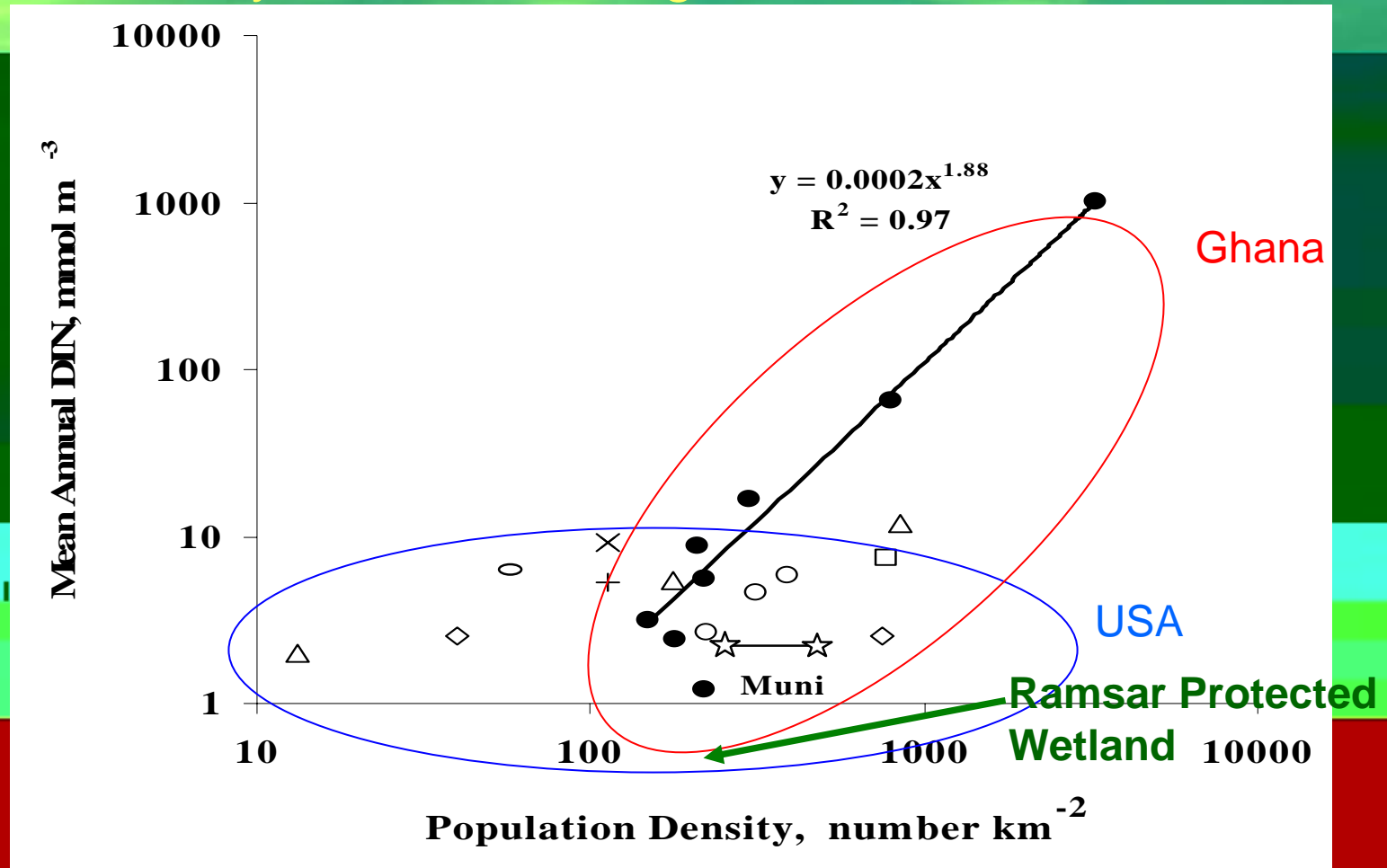
A simple comparison Ghana vs. Sub-Saharan Africa vs. UK

Source: PRB World Pop Data Sheet, 2004



What about lagoons?

Population Density tied to Nutrient Concentration in Ghana, but clearly not in all settings: US (blue) vs. Ghana (red)



NB: Mean annual concentrations of dissolved inorganic nitrogen in the coastal lagoons of Ghana (solid circles) and some coastal lagoons on the Atlantic coast of the US (open symbols, X, and +) as a function of population density in the watershed.

Source: Nixon S., Buckley B., Granger S., White M., Entsua-Mensah, M., McKinney R. "Anthropogenic Enrichment and Nutrients In Some Tropical Lagoons Of Ghana, West Africa." *Ecological Applications* 17(2007): S144-S164.

The Future!

- Urbanization to continue worldwide, more noticeable in developing societies
- Migration to increase
 - International
 - Internal (across province, region borders)
- Consider alternative *paths*
- **Next steps: dig more deeply**