Famine: the Geography of Scarcity



Ethiopia

Food Security Outlook Update

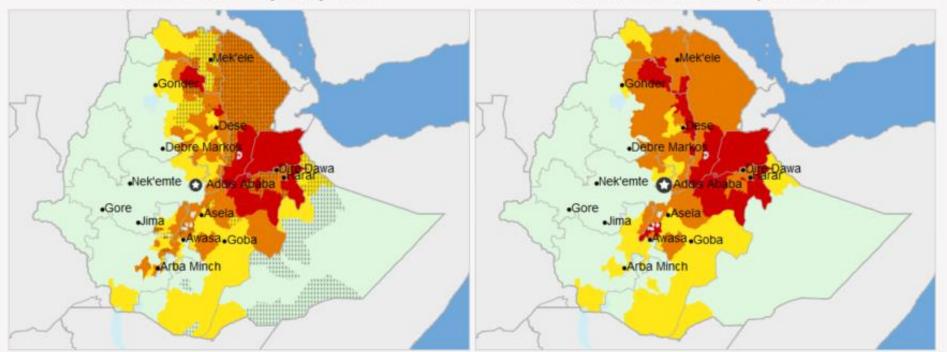
Archive

Belg prospects improve with heavy rainfall in April, but Emergency likely to continue

April 2016

Near Term: February - May 2016

Medium Term: June - September 2016

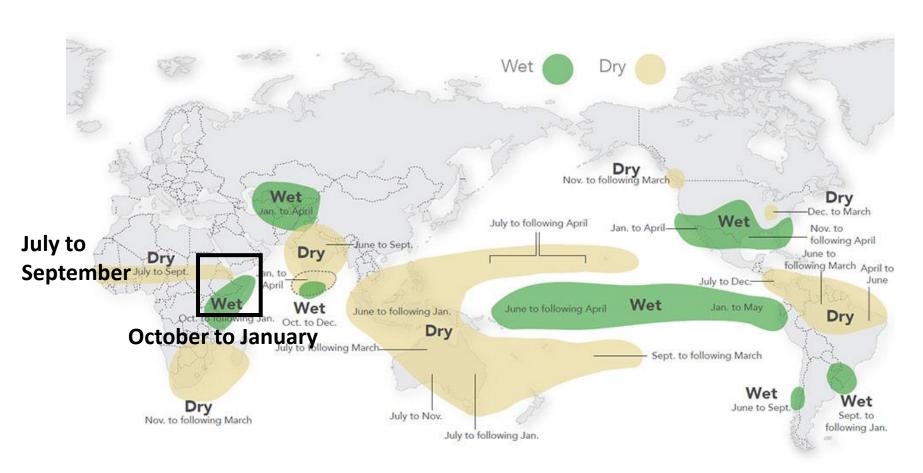


IPC 2.0 Acute Food Insecurity Phase



! Would likely be at least one phase worse without current or programmed humanitarian assistance

El Niño's global effects

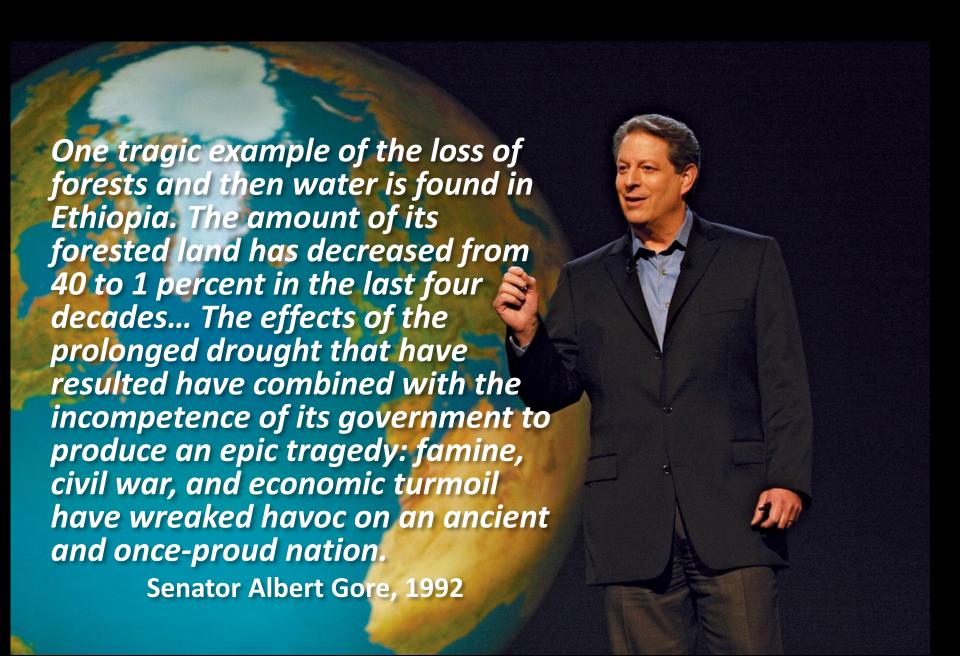


Famine in 1983-1985

- Michael Buerk's news stories sparked a global aid movement, including the landmark <u>Live Aid concert</u>
- The happy ending 30 years later
- But how did people get to this point?







Deforestation and degradation

- 40% = Ethiopia's pre-20thC. forest cover estimate
- <3% = forest cover at the time of the 1983-5 famine
- Frequently cited as a key contributor to famine
- Part of a discourse of overpopulation and overexploitation of natural resources

Table 1. Decline in forest cover

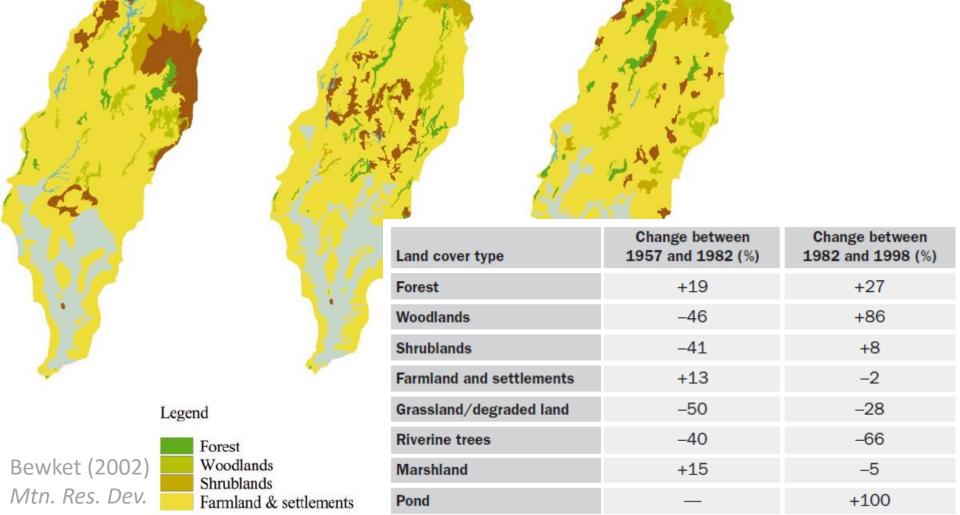
	Original extent of forest	1950s	1990	2000
Ethiopia	65%	16%	2.7%	2.2%
Highlands	90%	20%	n.a.	5.6%

Berry (2003) Land Degradation in Ethiopia: its extent and impact (World Bank report)

Evidence for deforestation?

1982

1957

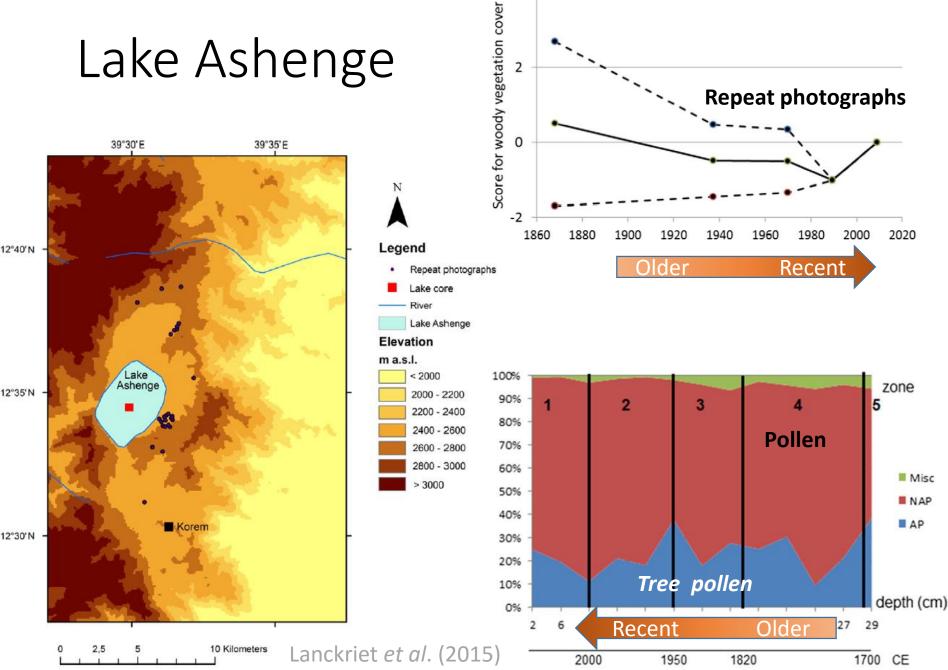


Ethiopia

1998

SOMALI REGION

Lake Ashenge



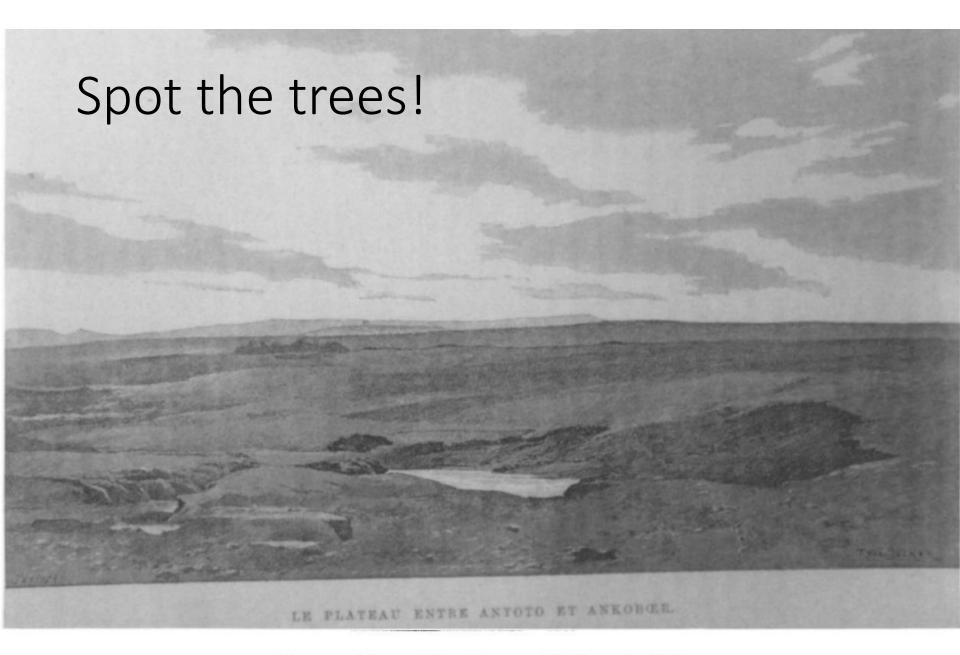


Figure 1. View of the Shawan Highlands, 1888.



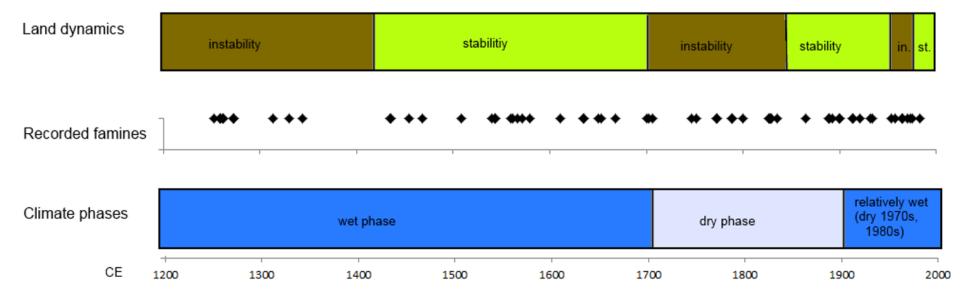
Photo by Kathleen Colverson (2014)

Cultivation of an eco-myth

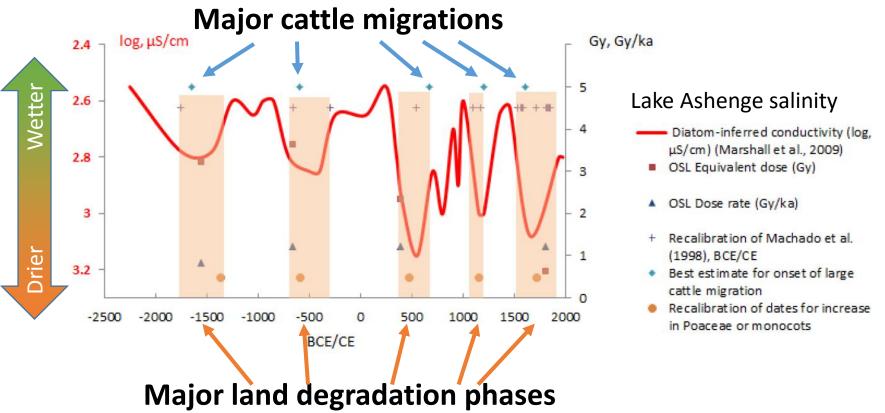
- Placed responsibility in the hands of those who were starving, rather than those in power
- Shifted blame away from governments who had supplied arms to and bought food from Ethiopia
- Linked neatly into the environmental movement, which had been growing since the 1960s



Climate, soil erosion and famine







What we've learned so far...

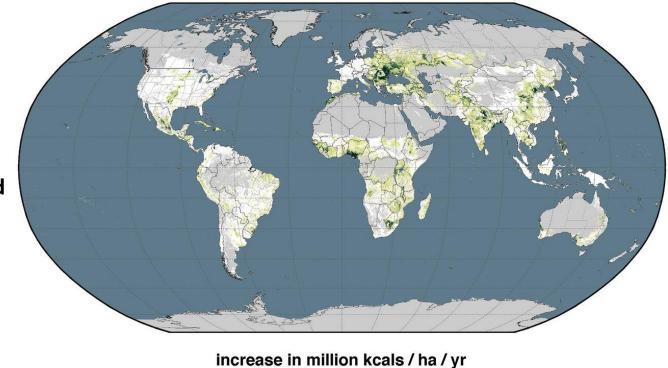
- Theorising famine and scarcity (Sangeetha)
- The role of climatic variability in food shortage
- What makes societies resilient or vulnerable
- Crop choices and agricultural systems
- Climate change and societal collapse
- Environmental determinism and eco-myths

Critical thinking about humans and environments

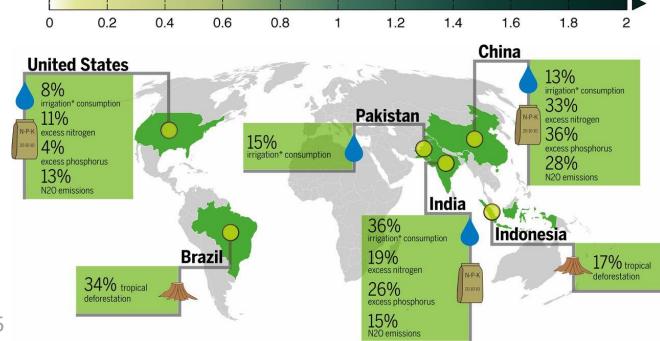
Future challenges

- Developing crops for the poorest people under an economic model that prioritises profitability
- Boosting food availability while avoiding monocultures, biodiversity losses and pollution
- Dealing with uncertainties in climate predictions
- Promoting equality, respect and fairness
- Reducing corruption
- Early warning systems and effective food distribution systems that prevent famines

Areas where crop yields can potentially be increased across the globe



Areas where food production's environmental impacts can be reduced



West et al. (2014) *Science* 345