



Damnation, Purgatory and Armageddon

The Environmentalist's Tale



Environmental Eden

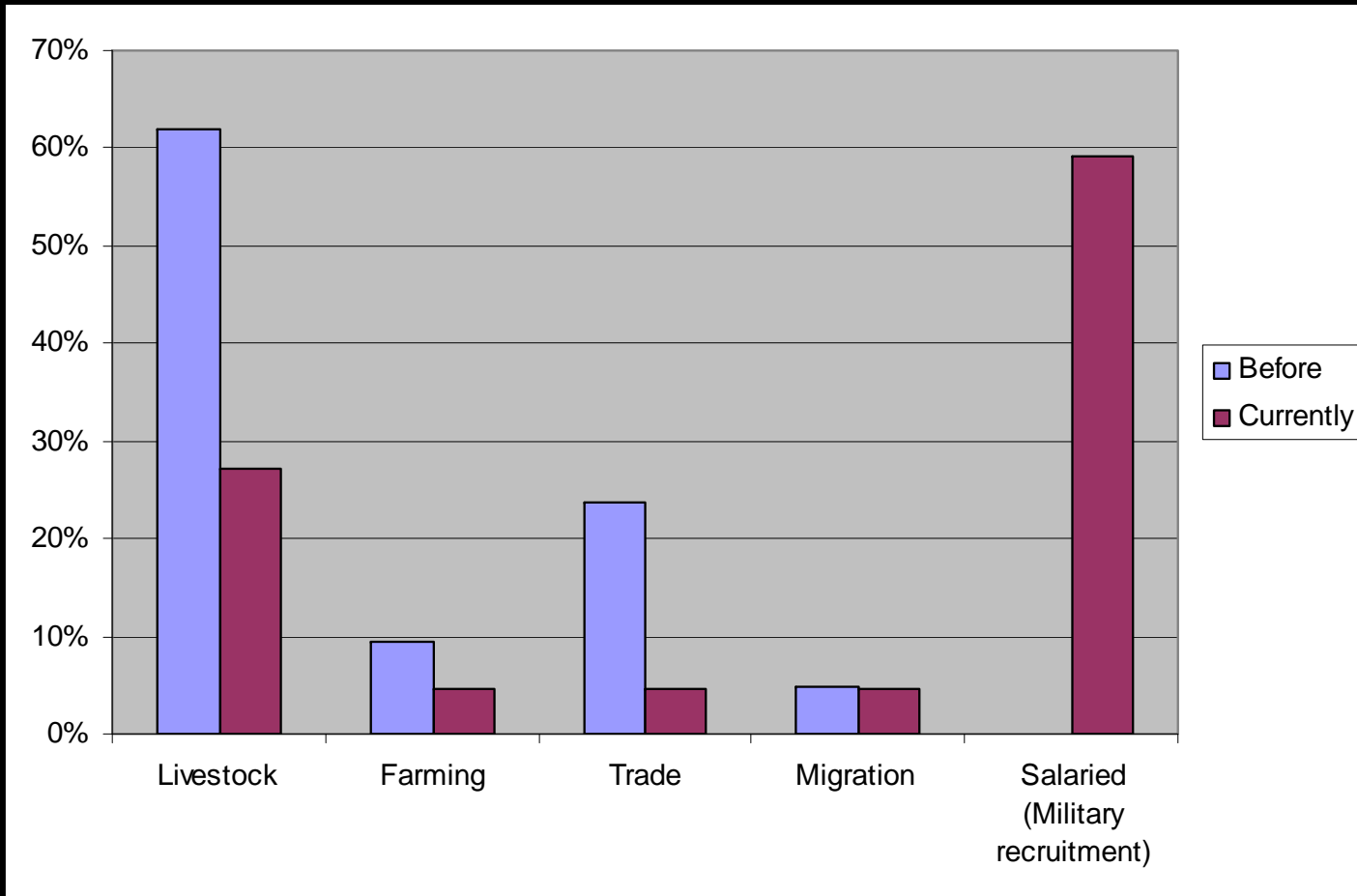


Managing Ecology



Shift in livelihood strategies

Barka Alla, North of Kutum, North Darfur



A choice of no choice



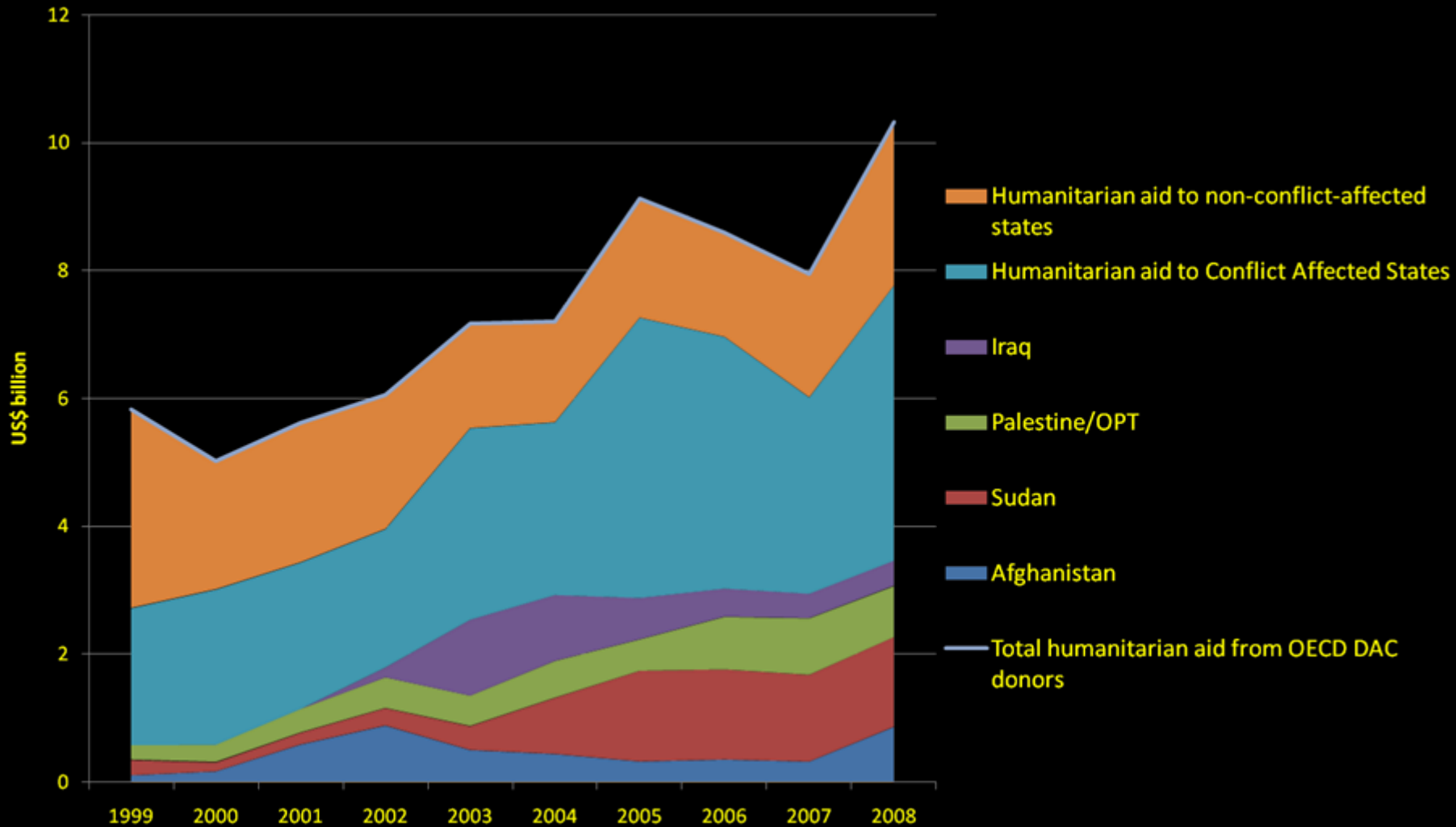
Destructive livelihoods?



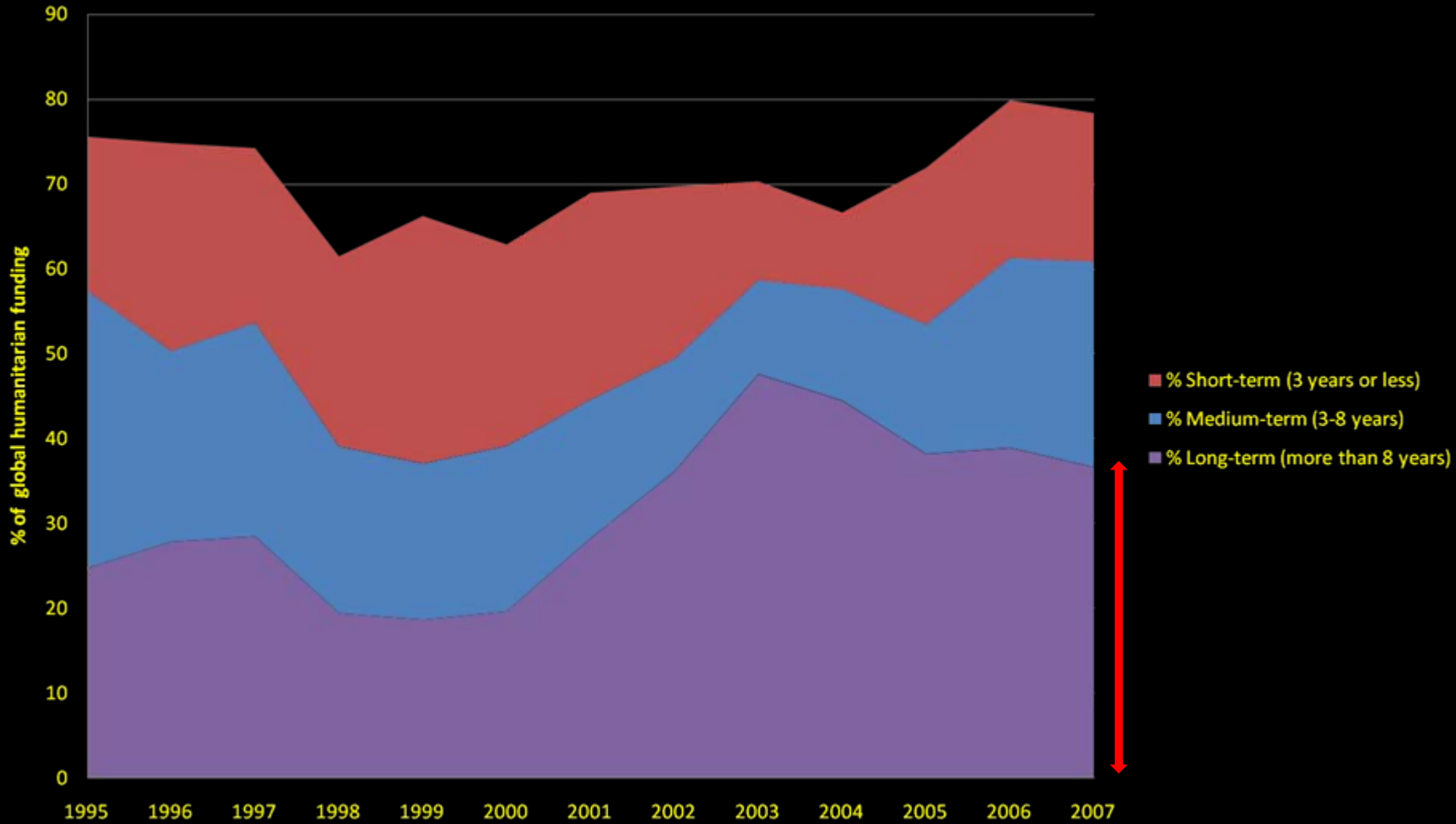
Water table & Bricks



Growth!

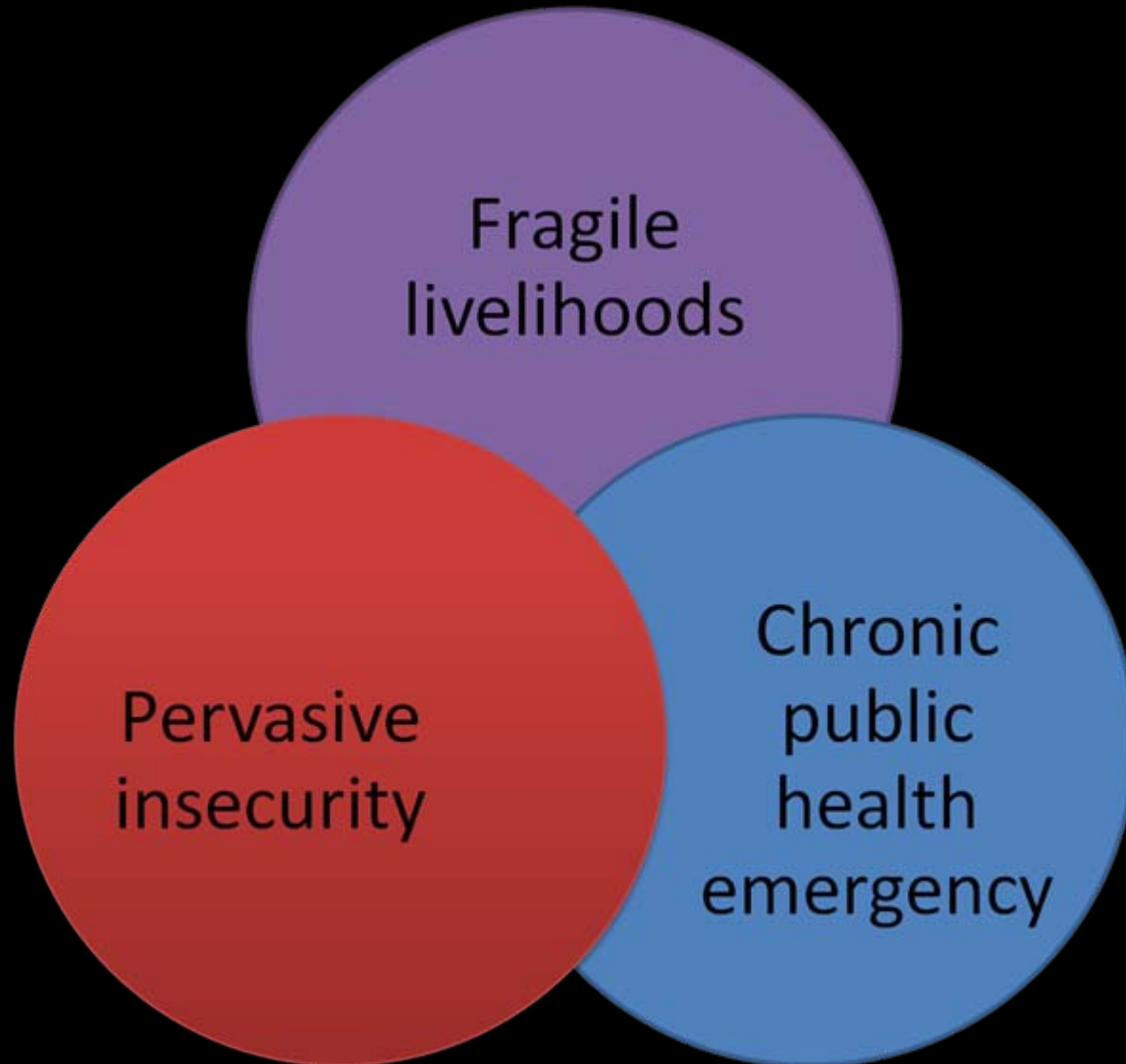


Evolution



Source: Development Initiatives 2008 from OECD DAC data

Complex Crisis



Purgatory



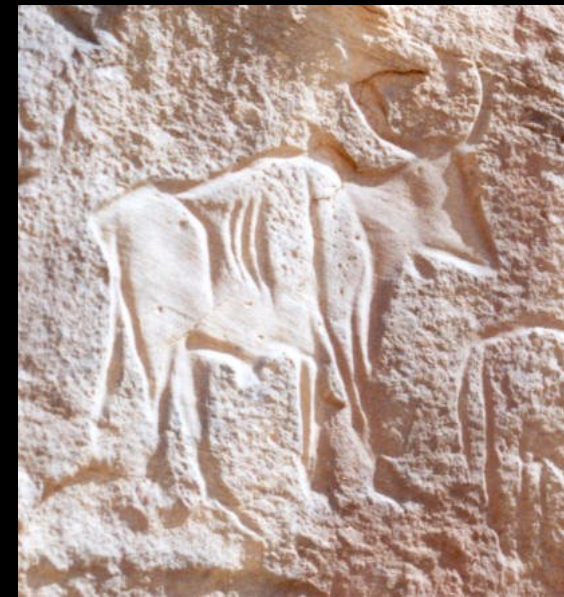
Climate Change

1. More extreme climatic events?
2. Stress > Strain > Violence

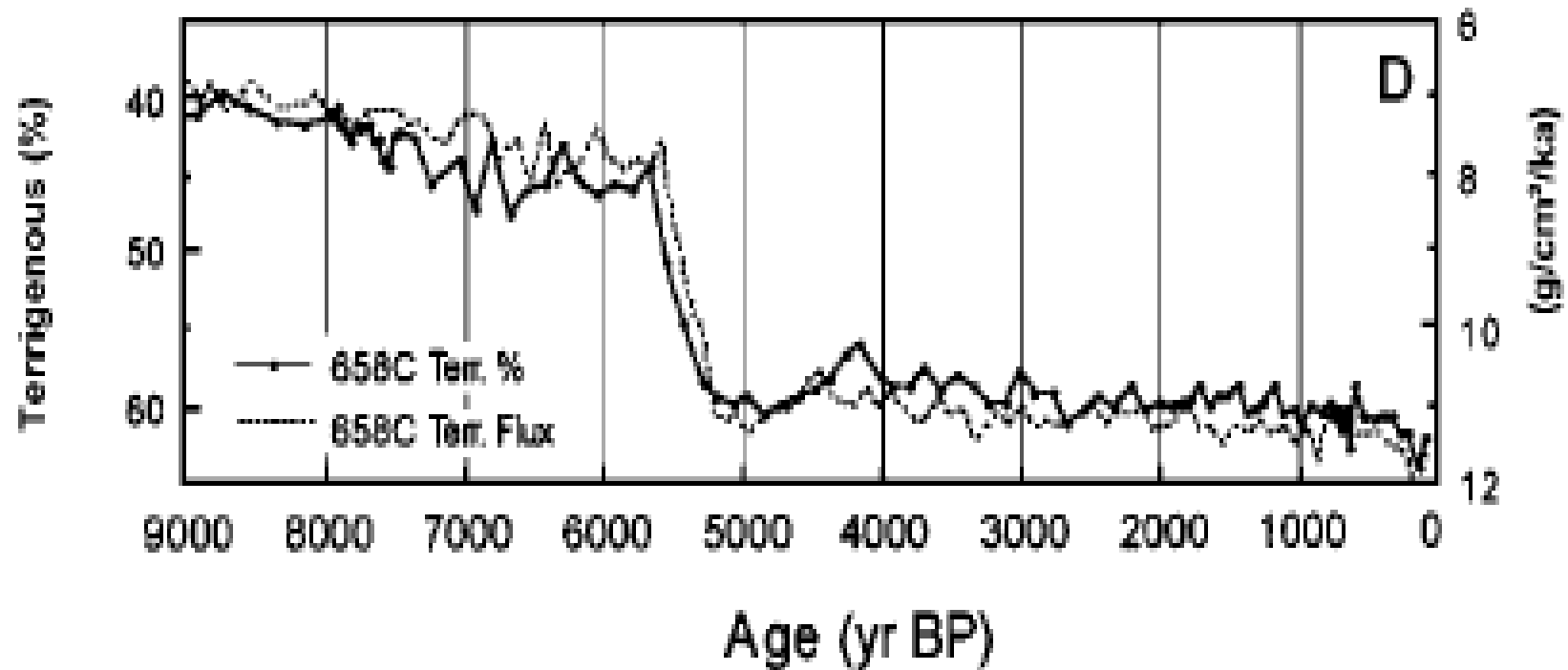


Prehistoric complexity

Middle Holocene 7,000-5,500 BP



Palioclimate



Source: Claussen, Brovkin, Ganopolski. 2001

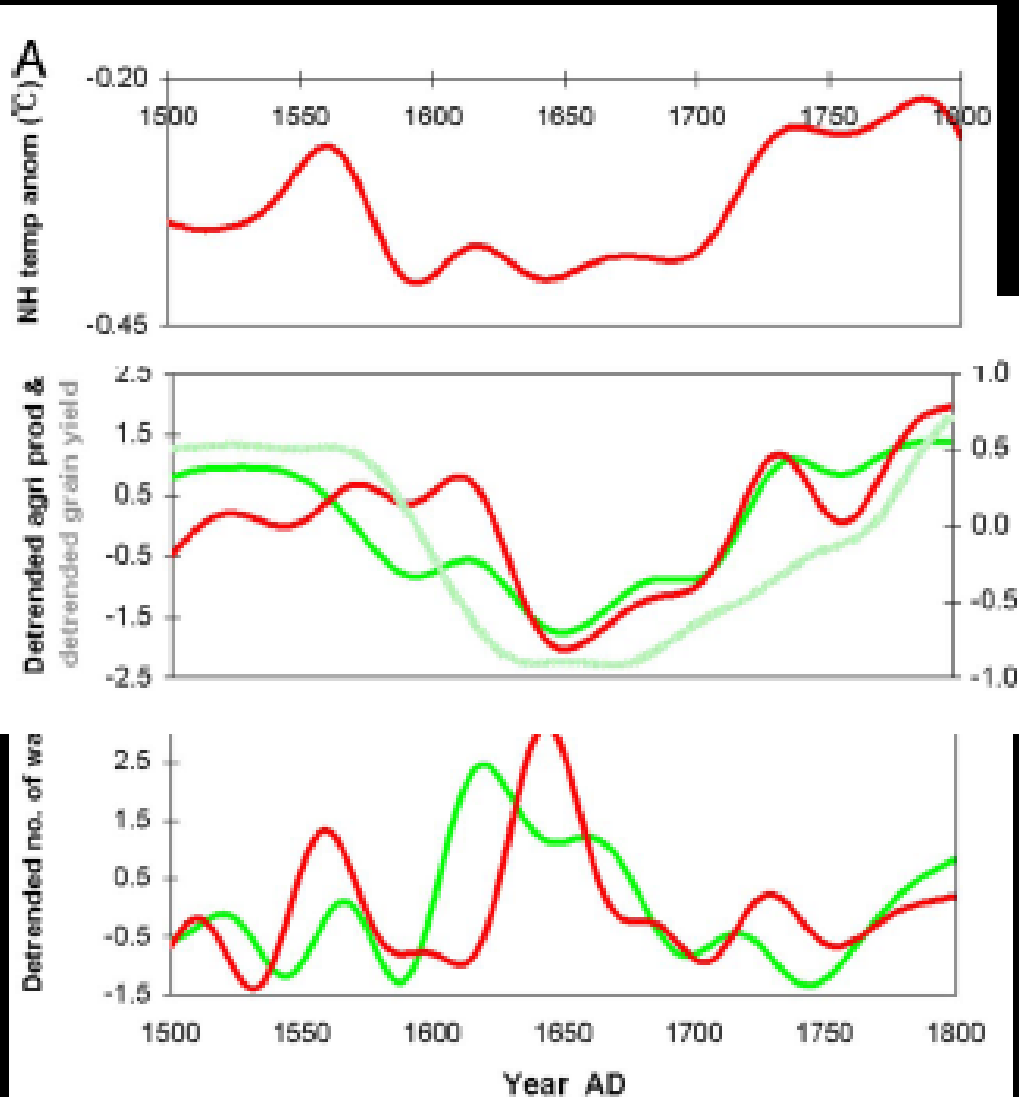
Social & Political change at the birth of urban

- More structured
- Less healthy
- Lower life expectancy
- Harder work
- More violence



Source: Brooks, N., Di Lernia, S., Drake, N. Chiapello, I., Legrand, M., Moulin, C. and Prospero, J. 2005. The environment-society nexus in the Sahara from prehistoric times to the present day. *The Journal of North African Studies* 304, 253-292

Historical complexity



Source: David D. Zhang, Peter Brecke, Harry F. Lee, Yuan-Qing He, and Jane Zhang. 2007. Global climate change, war, and population decline in recent human history.

Armageddon?





Damnation



Purgatory

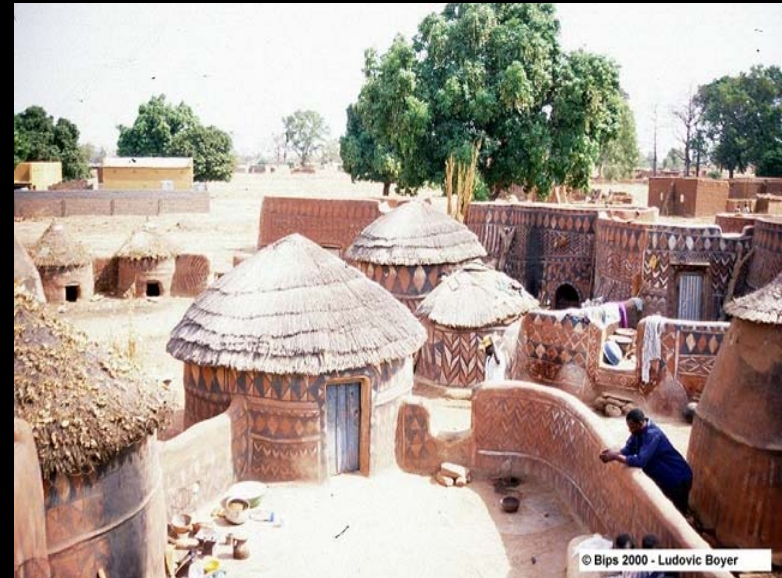


Armageddon



Context and evidence are everything

- Standards & Systems
- Context, Flexibility



Redemption

