

CLIMATE CHANGE AND ARMED CONFLICT: HOT AND COLD WARS

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University, 2010

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Inventory of Conflict and
Environment (ICE)

<http://www.american.edu/ted/>

CLIMATE CHANGE AND CONFLICT: STRUCTURES AND BEHAVIORS

○ Climate Change Structures

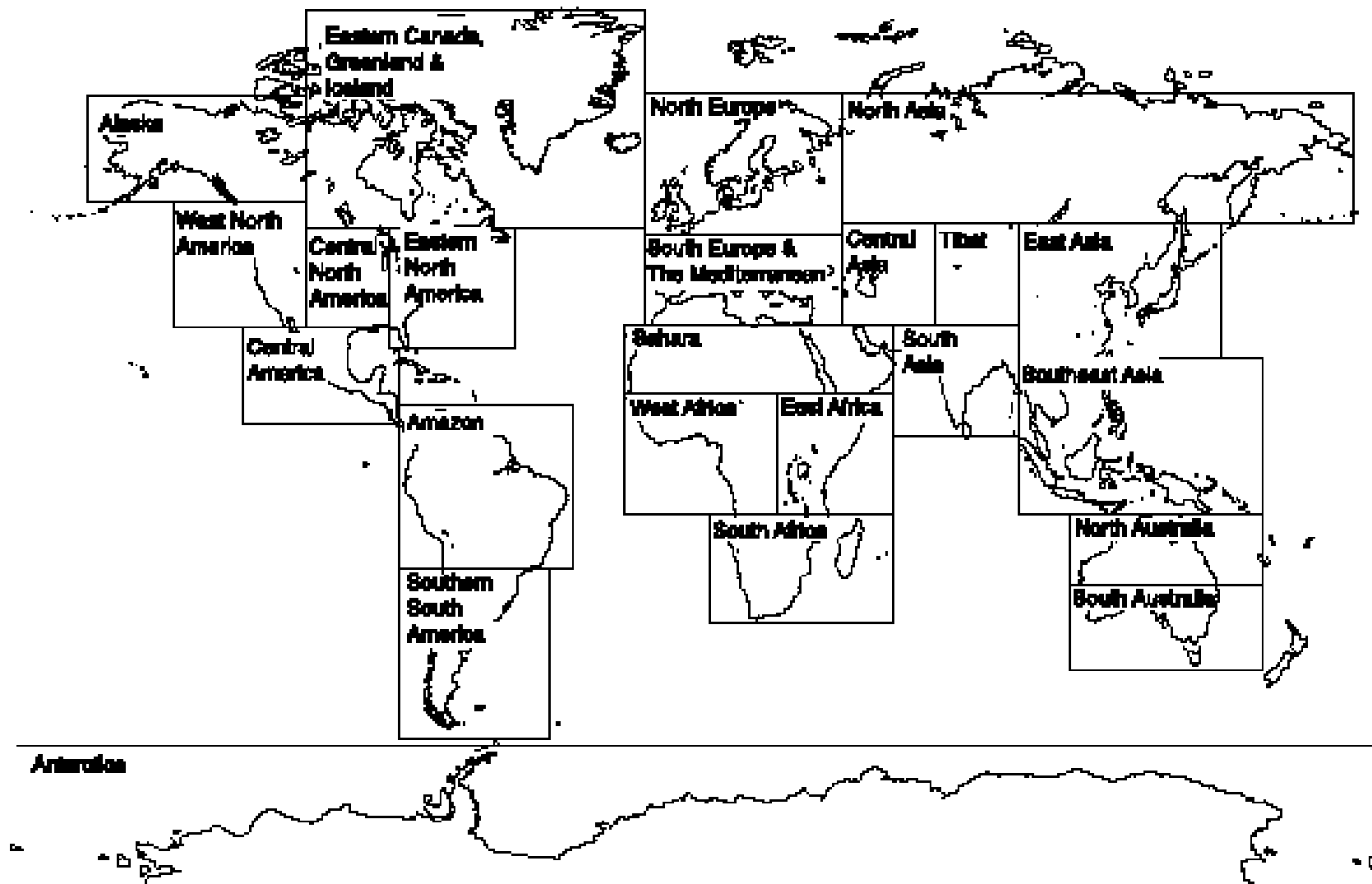
- * Sustained patterns
- * Other variables
- * Triggers

○ Conflict Behaviors

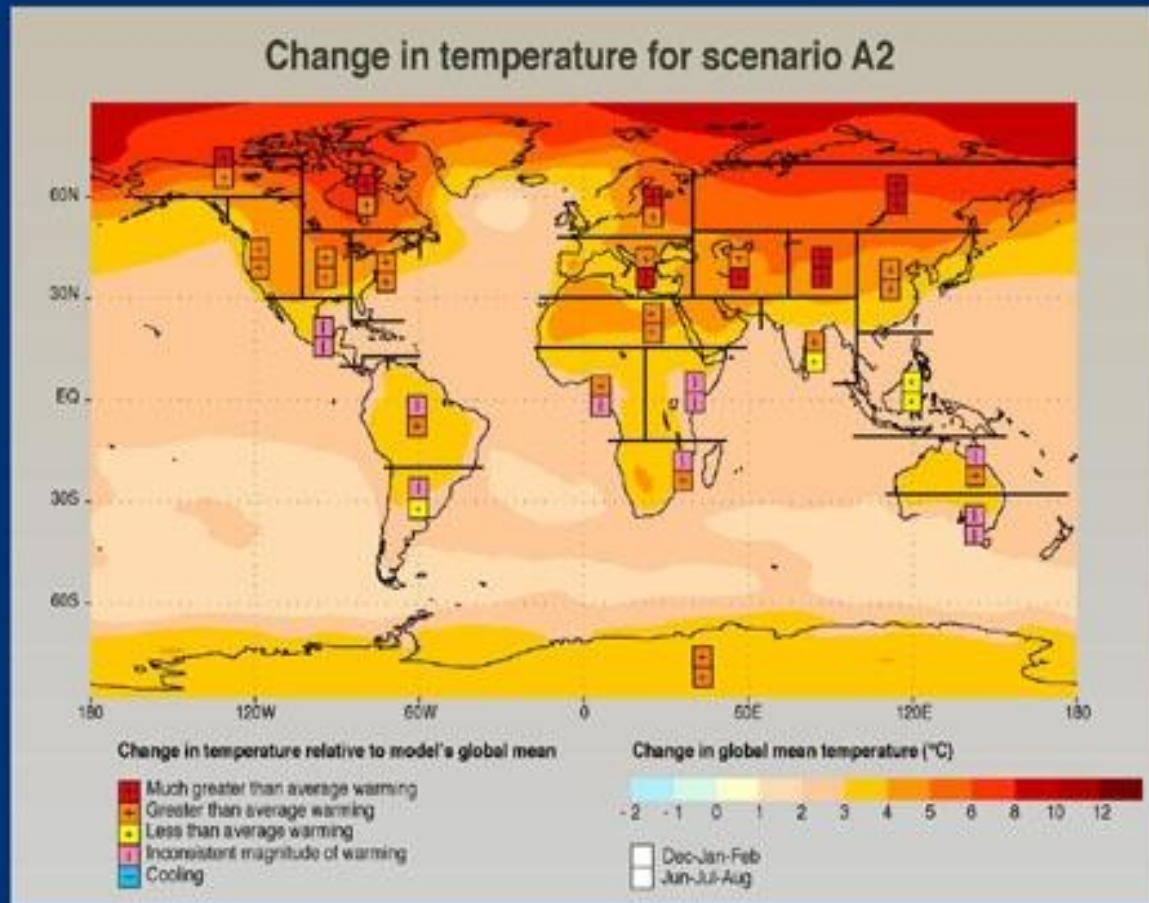
- * Scarcity
- * Abundance
- * Sovereignty



IPCC CLIMATE MODEL REGIONS

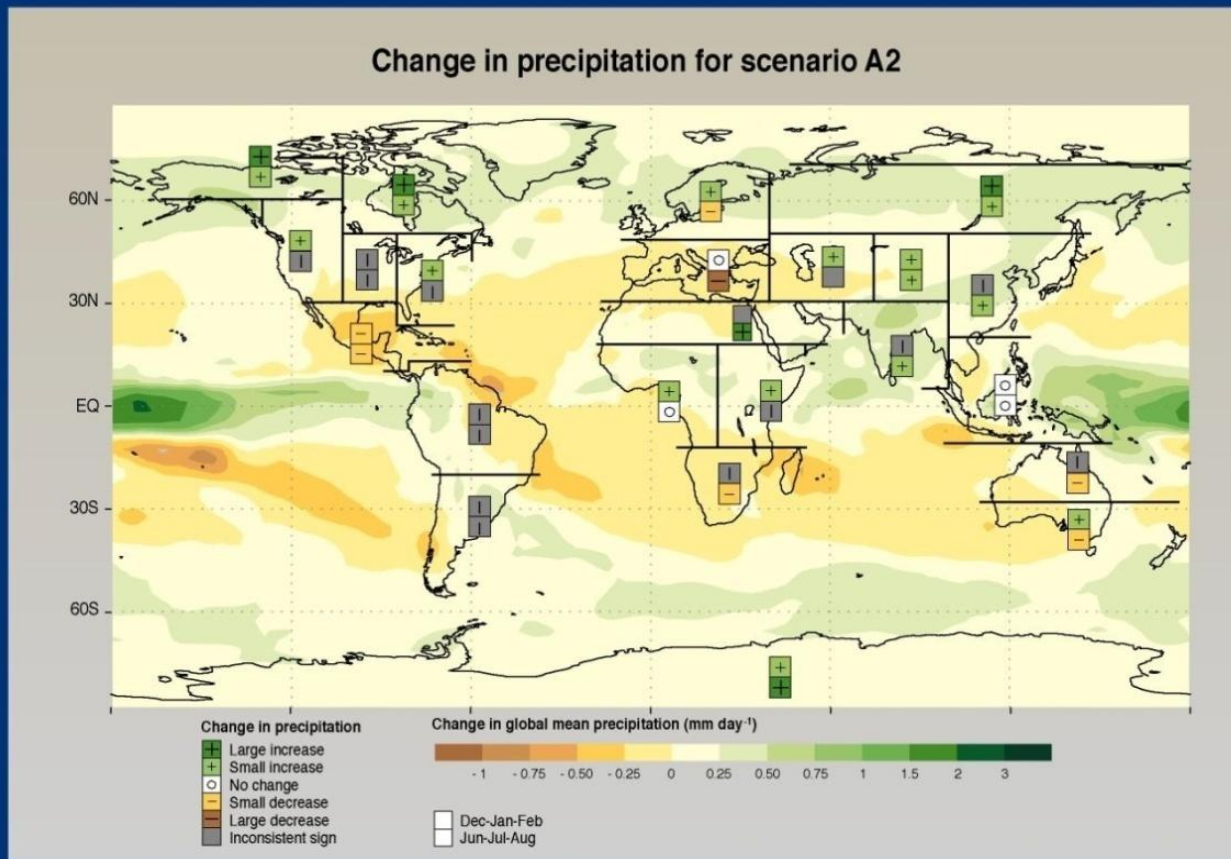


TEMPERATURE FORECASTS IN 2100



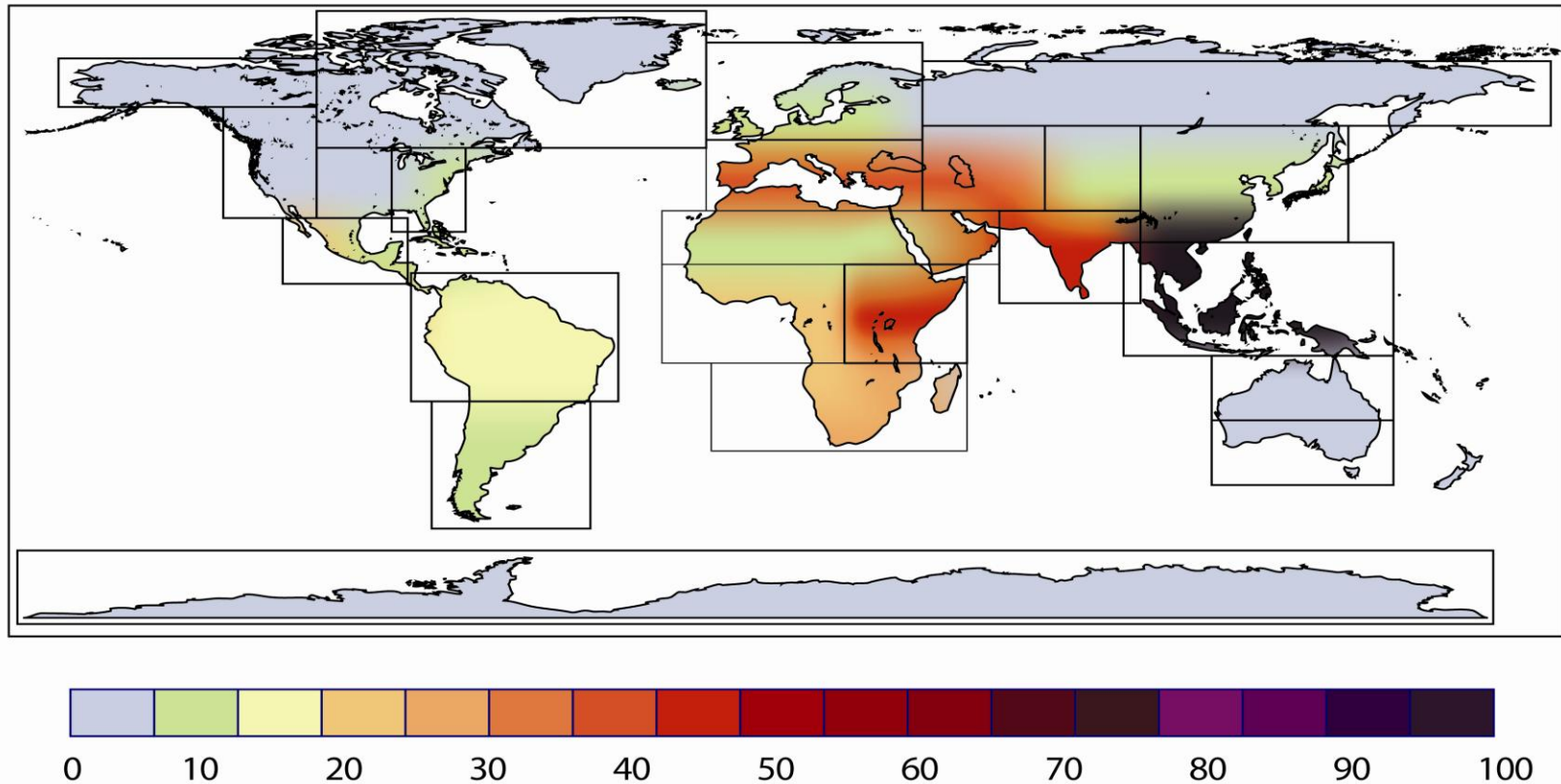
SYR - FIGURE 3-2 a

PRECIPITATION FORECASTS IN 2100

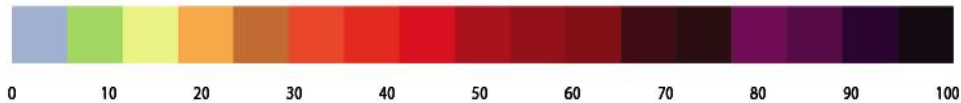
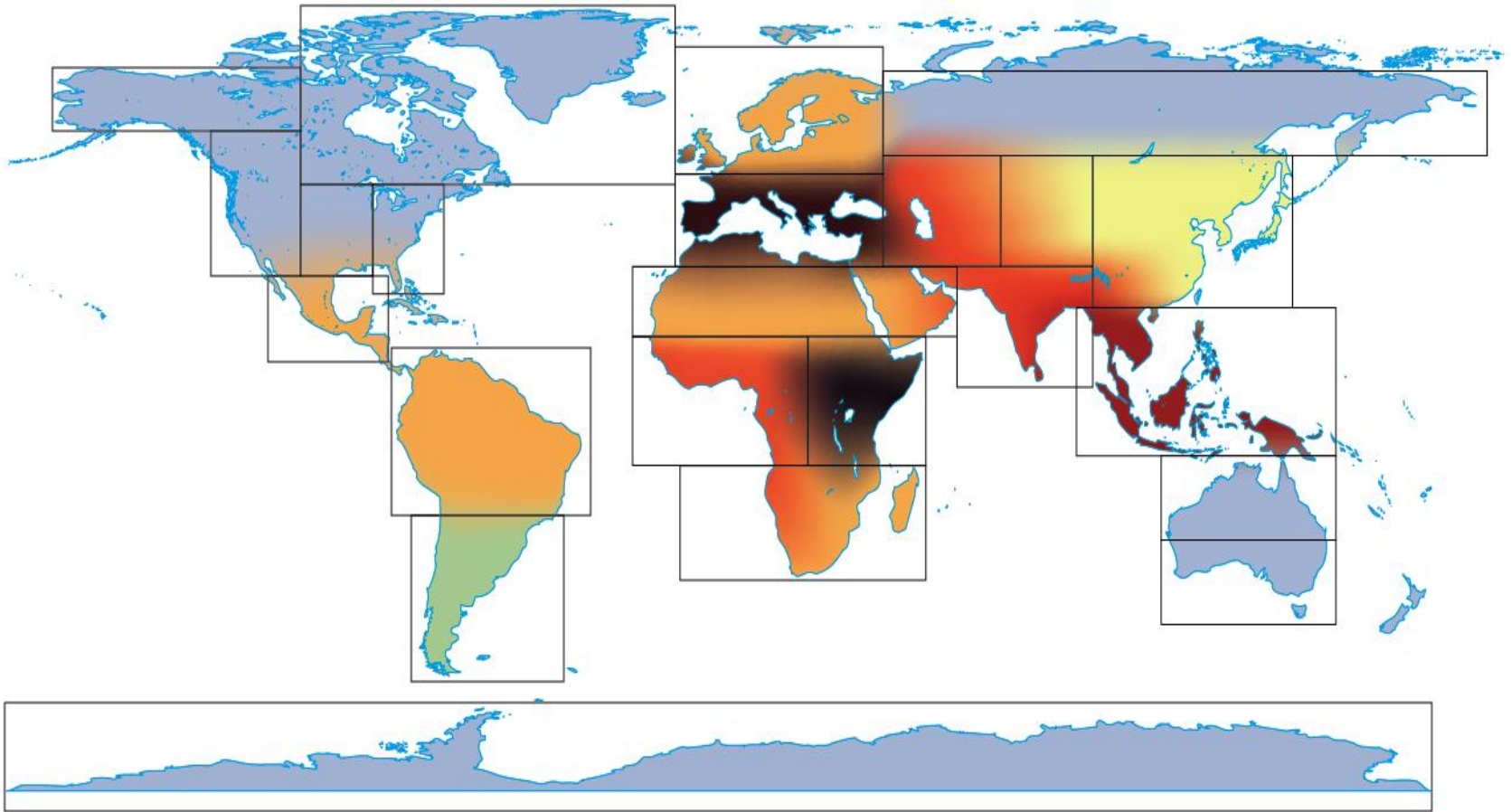


SYR - FIGURE 3-3 a

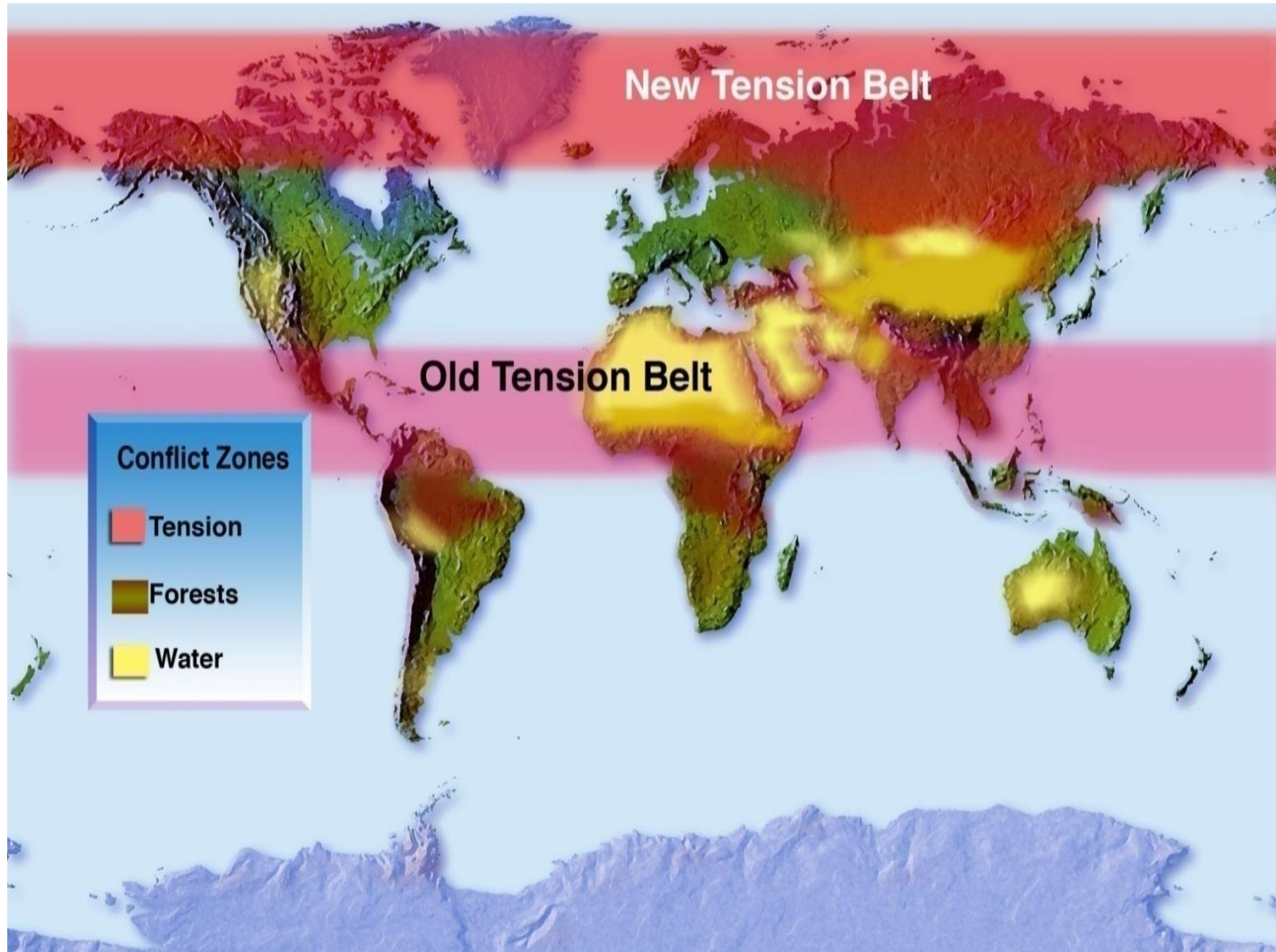
POST-1945 CONFLICT HISTORY (SIPRI)



FUTURE TO 2015 CONFLICTS (DOD)



CLIMATE CHANGE AND CONFLICT: NEW AND OLD TENSION BELTS



HOT AND COLD WARS

○ Hot Wars

War of Contraction

Livelihood conflict

Ancient Conflict

Developing Countries

○ Cold Wars

War of Expansion

Militarized conflict

New Conflict

Developed Countries

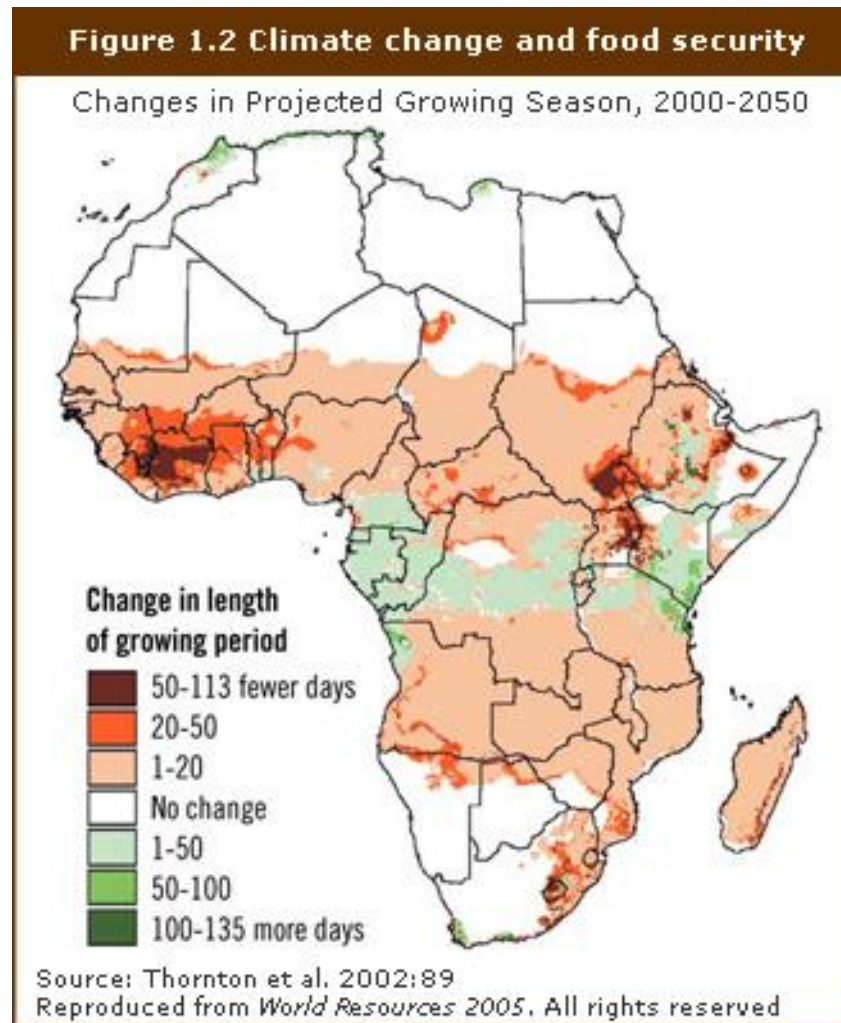


SIX SCENARIOS OF CLIMATE CHANGE AND CONFLICT

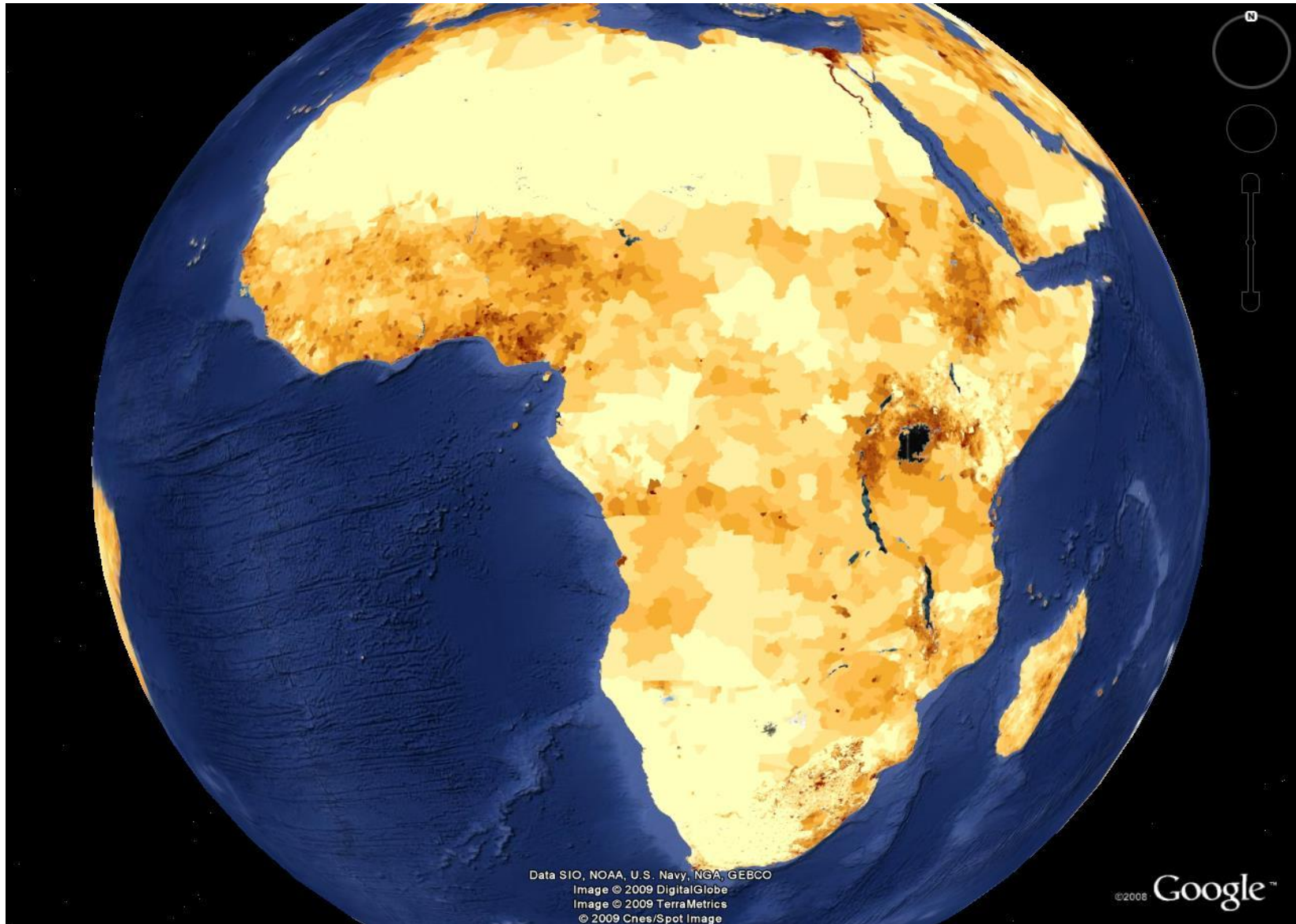
- The End of the Ice Age
- Where Have the Tropical Forests Gone?
- The Great World Desert and Water Wars
- Protein and Livelihood Deficits in Africa
- Central Asia is Heating Up
- Rising Tides Don't Lift All Ships



FOCUS ON AFRICA: WHY THERE WILL BE INTERNAL AND EXTERNAL MIGRATION

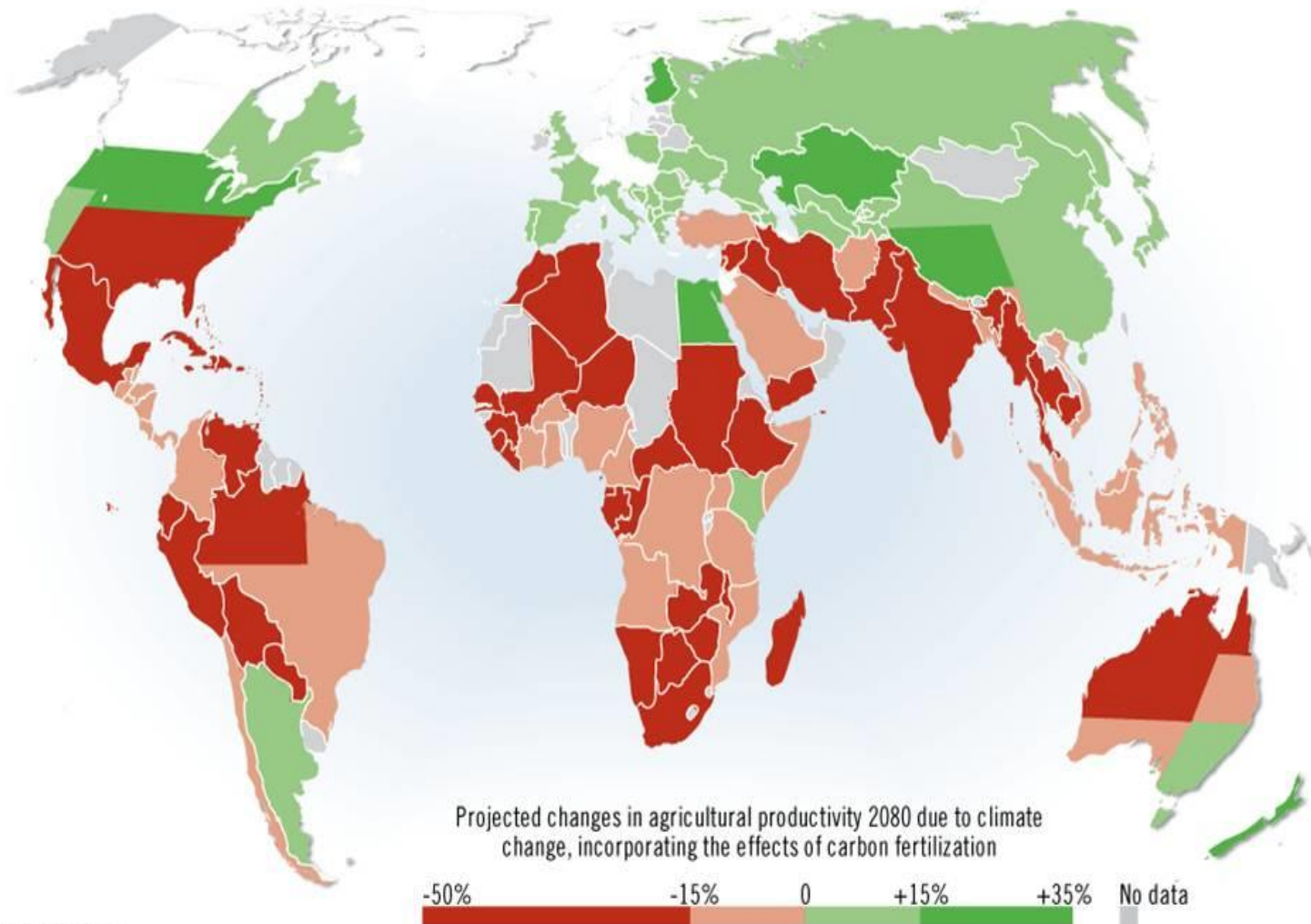


POPULATION DENSITIES IN AFRICA




WINNERS AND LOSERS IN AGRICULTURE

PROJECTED CHANGES IN AGRICULTURE IN 2080 DUE TO CLIMATE CHANGE



Source: Cline 2007

The Political Dimensions of Climate Change and Conflict (1)

- IPCC Climate Forecasts Tilt Towards Optimism.
 - There is basically a baseline and 3 optimistic forecasts (green, sustainable, and business models)
 - Where are the pessimistic baseline and the abrupt climate change scenarios?
- 

The Political Dimensions of Climate Change and Conflict (2)

- Winners and Losers: Is Climate Change Good for Me?
- Hot War Countries All Lose
- Some Cold War Countries Win
- Hot War Refugees will Turn to New Cold War Lands



The Political Dimensions of Climate Change and Conflict (3)

- Climate Change and Conflict is Happening Now
- Hot War – Darfur (conflict)
- Cold War – Norway-Russia Barents Sea (cooperation)
- Swiss and Italian Glacier Border



The Political Dimensions of Climate Change and Conflict (4)

- Including People and Society in the Climate Change Treaty Discussion
- Climate Bill of Rights, starting with small islands
- Engaging Emerging Hot and Cold Conflict
- Update ENMOD Treaty – cloud seeding
- Research to link climate models with socio-economic and conflict models.

