Climate Change and Disease–Induced Instability

Challenges and Opportunities

Robert A. Marty
Climate Change and Disease

- Vector-borne
- Water-borne
- Drought-induced
- Zoonotic
Impact of Climate-Sensitive Diseases

- Less productive workforce
- Fewer state resources
- Lower school achievement
Identifying Hotspots: Socio-Political Trends

- Deteriorating health infrastructure
- Decreasingly effective governance
- Growing poverty
- Increasing urbanization
Identifying Hotspots: Disease Trends
Identifying Hotspots: Disease Trends

Amplification and spread of malaria
Identifying Hotspots: Disease Trends

Increase in water-borne diseases
Identifying Hotspots: Disease Trends

Expanding meningitis belt
Identifying Hotspots: Disease Trends

Increasing frequency of Ebola outbreaks
Emergence of Hotspots
Political Impacts: Unrest and Terrorism
Hotspot Case Study: Kenya
Hotspot Case Study: Kenya

Increasing malaria
Hotspot Case Study: Kenya

Increasing malaria
Hotspot Case Study: Kenya

Increasing malaria
Hotspot Case Study: Kenya

Increasing water-borne diseases

[Map of Kenya showing different colors representing rates of malaria (Low, High, Acute)].
Utilize Natural Resource Revenues
Bolster Health Initiatives

- Improve intersectoral collaboration
- Insulate from government corruption
- Greater international assistance