Translating Climate Compatible Development in the Local Context – *The Case of Miombo Landscape in Western Tanzania*

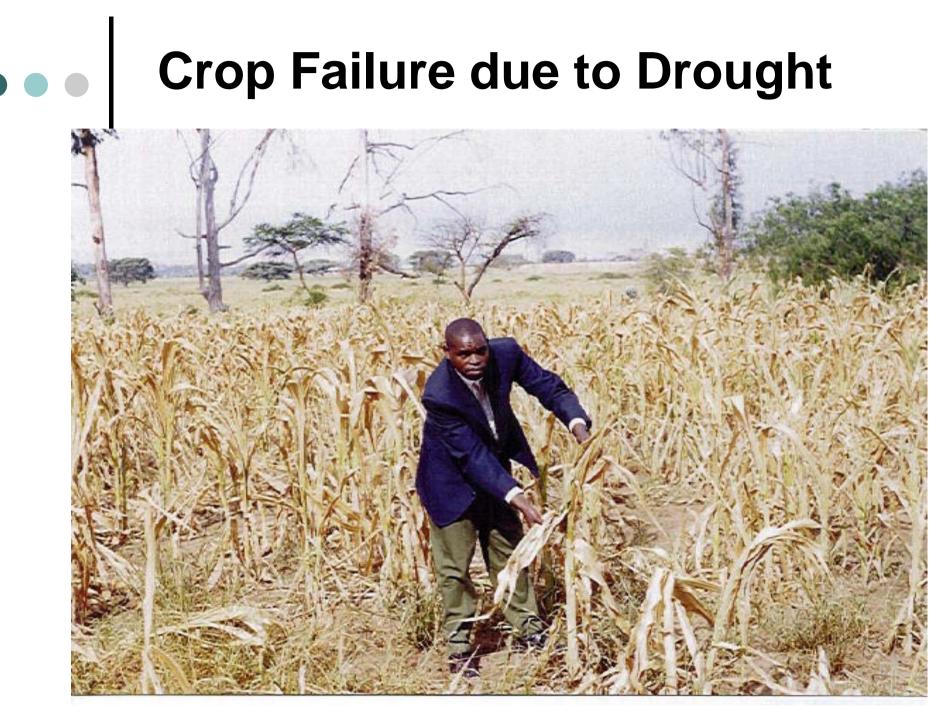
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Climate Change Impact

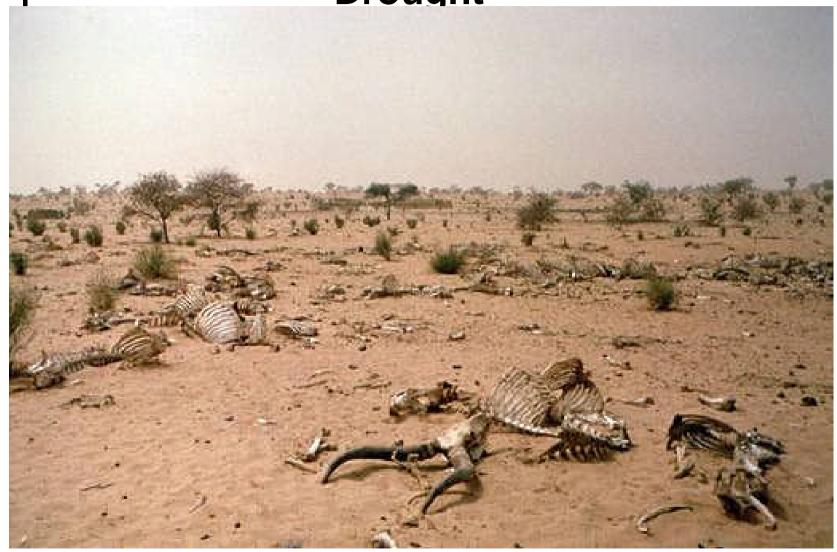
- Climate change poses a threat to mankind in Tanzania like many other developing countries due to;
 - poverty,
 - low technological capacity,
 - too much dependence on climatic sensitive sectors such as water;
 - and weak government response and capacity in improving socio-economic services

Climate Change Impacts

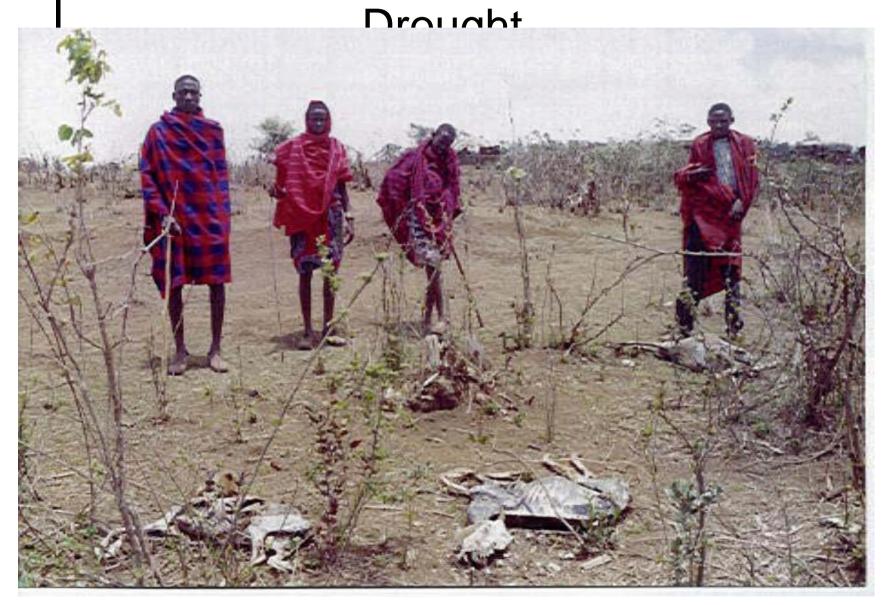
- Tanzania is now experiencing;
 - Extreme events particularly in the semi-arid areas
 - Severe drought and floods
 - Temperature increase



Livestock Mortality due to Severe Drought



Livestock Mortality due to Severe



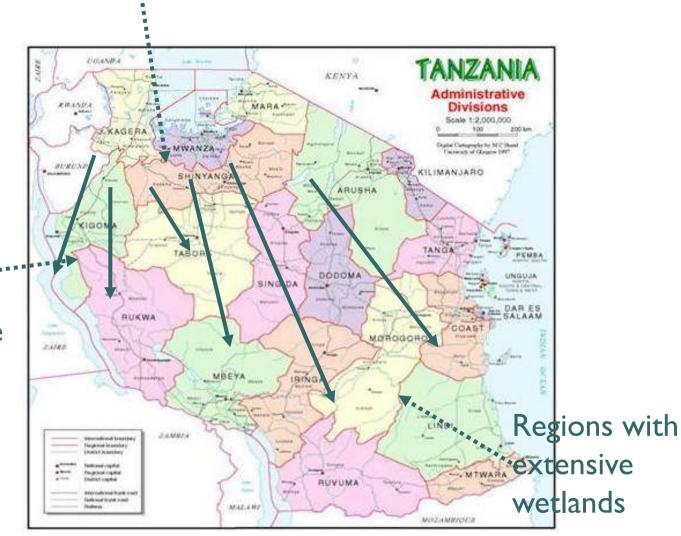
Response to Climate Change Impacts

- Influx of agro-pastoralists from seriously drought-hit areas to Miombo woodland areas
 - Increased deforestation through shifting cultivation for subsistence
 - Eradication of tsetse





Drought-hit Regions where there is out-migration of agro-pastoralists



Miombo
Region where there is influx of livestock

Other Factors Contributing to Deforestation

- Clearance is also associated with commercial farming (tobacco) as source of income
 - Partly influenced by multi-national companies
- Unsustainable timber harvesting
- Charcoal Making as a source of livelihood
- Expansion of settlements into forest land

Other Factors Contributing to Deforestation

- Charcoal making for urban consumption
- Source of livelihoods for communities in the Miombo Region





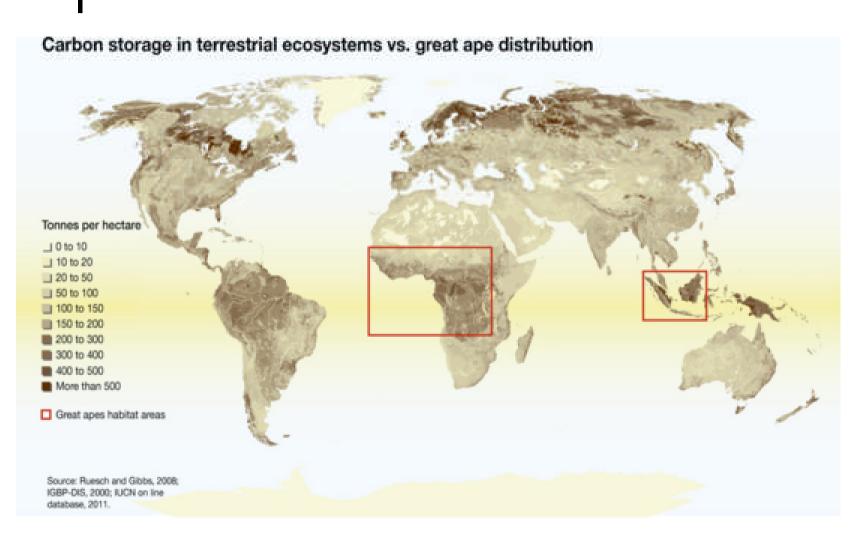


Unsustainable Timber Harvesting for Commercial Purpose





Deforestation is Contributing to CO2 Emission



Other Impact of Deforestation and Forest Degradation

- Biodiversity loss
- Reduced ecosystems goods and services
- Alteration of hydrological regimes of rivers
- Alteration of local climatic condition

How do We Apply Climate Change Development in this Context?

- There is ongoing ecosystem degradation due to;
 - Influx of agro-pastoralists who are responding to unfavourable condition in the north
 - In-situ expansion of agricultural land due to poverty
 - Massive deforestation for charcoal making as source of livelihood
 - Massive deforestation for commercial purpose
- However, this is leading to CO2 emission due to deforestation

• • Key issues that we see?

- Governance
 - What are the roles of different key players in addressing these challenges
- Legal and institutional frameworks
 - Law enforcements
 - Institutional mechanisms in addressing the challenges
- Politics
- Tenure issues

REDD+ can be Seen as a Solution

- REDD has the potential to achieve significant co-benefits;
 - Poverty alleviation
 - Improving governance
 - Conserving biodiversity
 - Provision of other environmental services

REDD+ can be Seen as a Solution

- Has the potential to deliver large cuts in emissions
- Enhances biodiversity conservation
- Enhances ecosystem management
- Contributes to reducing poverty

Hence: Enhances sustainable development









• • • The Question is,

- Does REDD+ address all these drivers of deforestation?
- Does REDD+ has all the Elements of CCD?
- I have no answer

Thanks

