

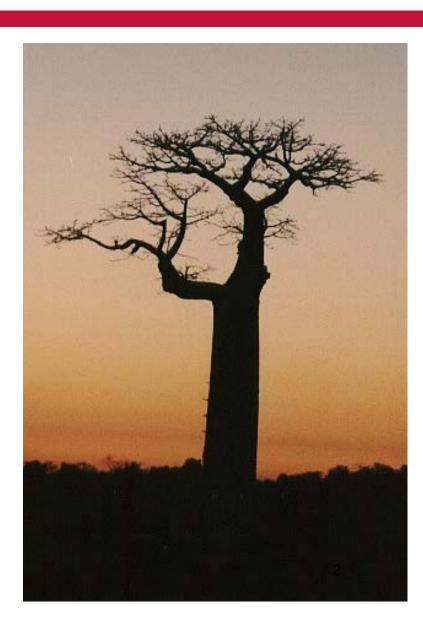
Land Tenure and Global Climate Change

Presenter: Mark Freudenberger

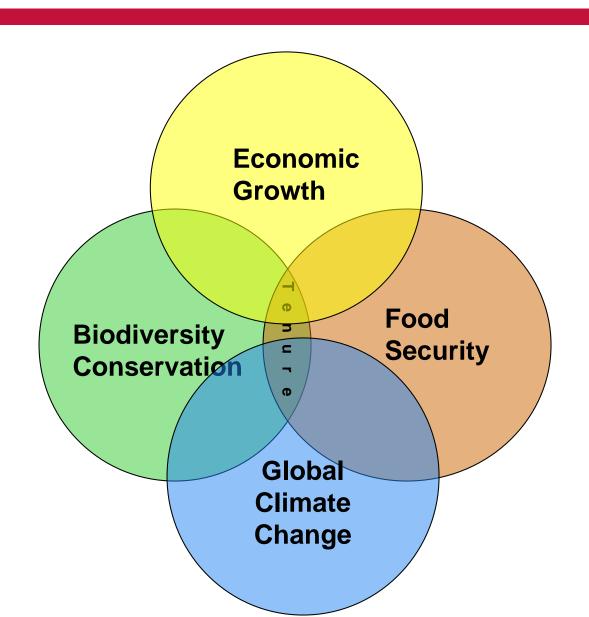
Best Practices for Land Tenure and Natural Resource Governance in Africa Monrovia, Liberia October 2012

Overview, Issues and Implications

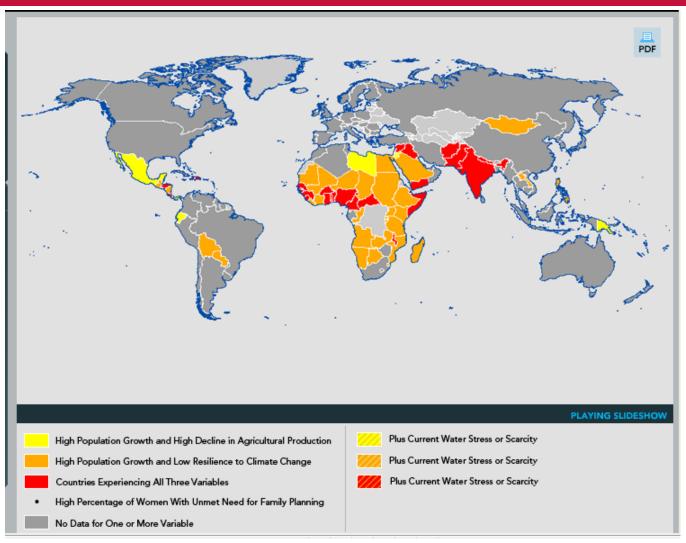
- Overview: Linkage between climate change, tenure, and natural resource management
- Issues and Innovations:
 - 1) Climate Change and Adaptation
 - 2) Climate Change and Mitigation
- Implications: Program planning for governments, donors, and civil society



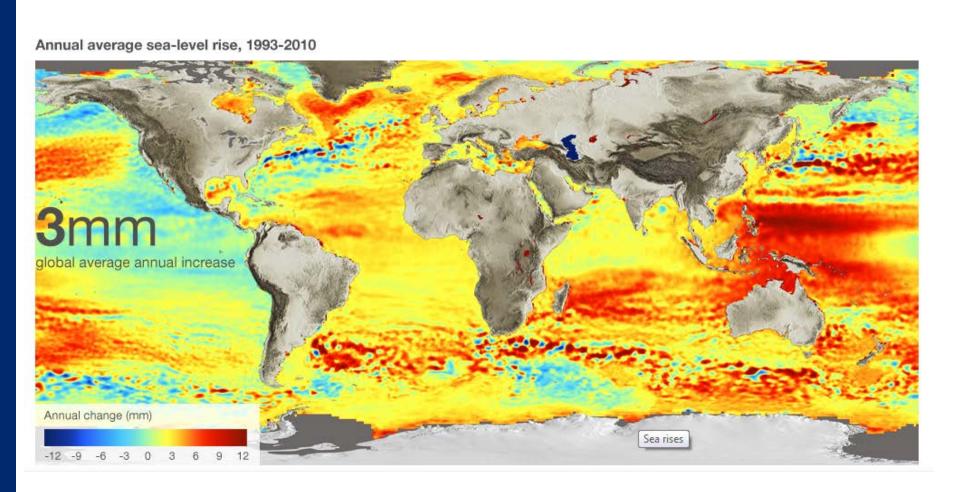
Policy Imperatives and Climate Change – Addressing the Resource Tenure and Property Rights Interface



Locating Climate Change and Tenure Vulnerabilities



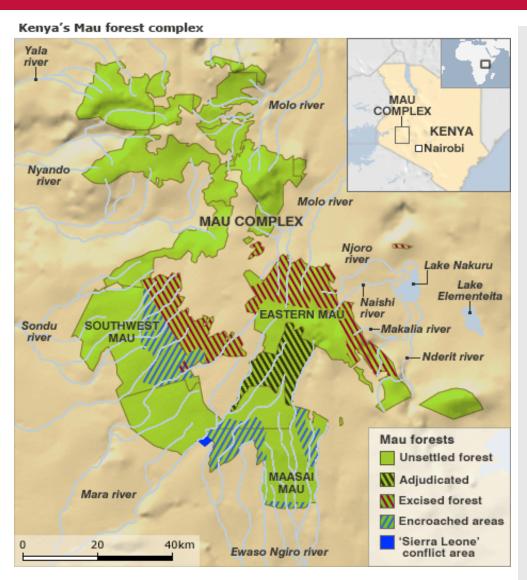
Rising Sea Level and Tenure Implications?



Implications of Climate Change on Biodiversity?



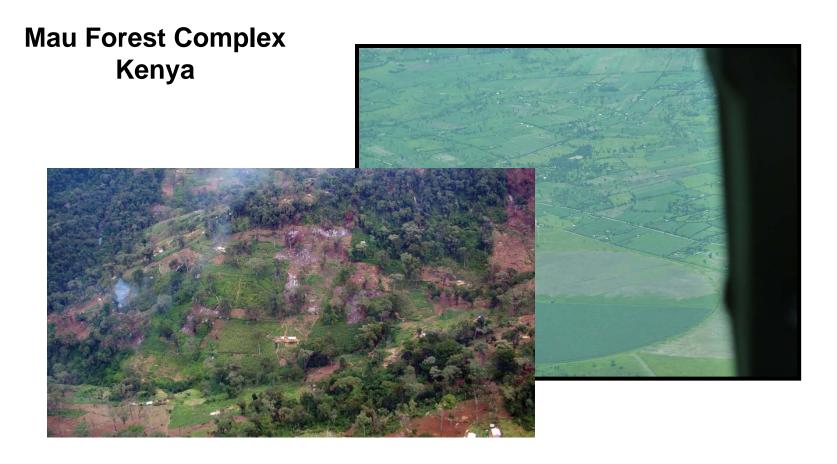
Case Study: Mau Forest Kenya



- Largest remaining block of montane forest in Eastern Africa—an area
 > 400,000 ha.
- 21 Forests, 1 of which (Maasai Mau) is managed by local government (Narok County Council)
- One of 5 'water towers' of Kenya; covers upper catchments of the Nzoia, Yala, Nyando, Sondu, Mara and Ewaso Ng'iro rivers > E. Africa lakes and wetlands; i.e., Victoria, Baringo, Natron, Turkana, Nakuru and Naivasha

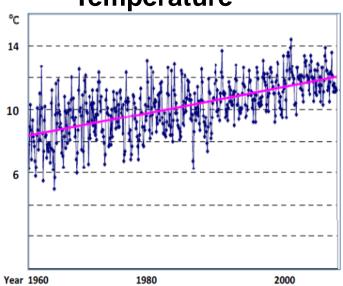
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Implications of Climate Change on Water Rights

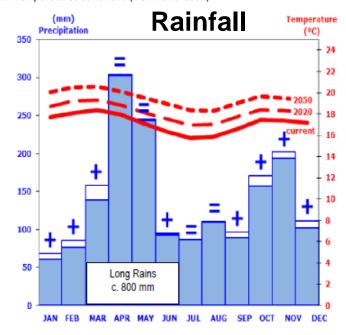




Temperature

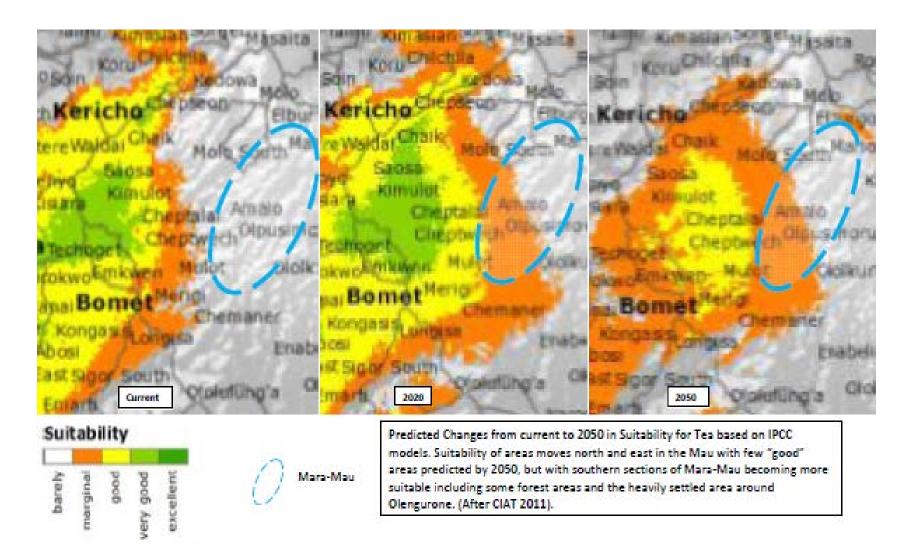


Monthly Mean Minimum Temperatures at Kericho (from IGAD 2007)



Climate models predict change in Kenya's tea growing areas: temperature rises by more than 2°C by 2050; rainfall is equal or higher year round (CIAT 2011, using IPCC models)

Land Use Implications for Kenya Mau Forest Complex

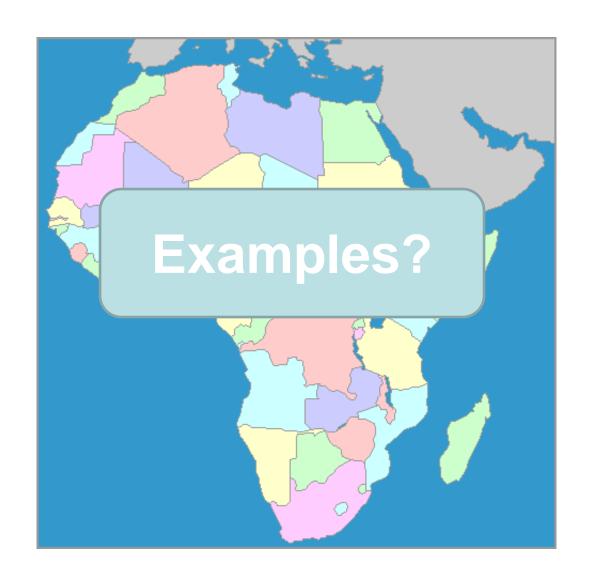


The Litany of Climate Change Woes....



Impacts on Resource Tenure and Property Rights?

Impacts of climate Change and tenure in your country?



Societal Responses ...

Adaptation

- Changing livelihoods
- Migration
- Displacement
- Struggle, Conflict and Violence

Building resiliency

- Mitigation
- Reducing carbon emissions
- "Low carbon" economic growth
- Storing and Absorbing carbon
- Sustainable Landscapes
- Climate sensitive agriculture

Implications on land tenure and property rights?

Climate Change Impacts on Tenure Regimes

Implication # 1. Dramatic changes in land and natural resource-based asset values

Implication # 2: Displacement and Migration

Implication # 3: Further marginalization of the disenfranchised

Implication # 4: Transformation of resource management institutions

Implication # 5: Equity and the distribution of carbon payment benefits

Climate Change Impacts on...

Adaptation

Ecological Change and Evolution of Land Use Practices

- How are biophysical changes, such as evolving availability of water and forest resources, impacting international, national, and local land use decisions?
- What degree of adaptation of tenure regimes (use, access and transfer of rights) is expected of local communities in the face of new pressures? ie: "environmental refugees", "land grabbing" in face of carbon payments or biofuel production...?
- Is there a need to assist customary and statutory tenure regimes to adapt to new environmental conditions and social pressures?

Climate Change Impacts on...

Mitigation

Carbon Payments (REDD Plus, Ecosystem Services...)

- Who can participate in carbon payment schemes (only those with formal rights or also customary rights holders)?
- What is the decision-making process for the distribution of rights and benefits?
- What dispute resolution mechanisms are present at different scales?
- What institutions at the local and national level are available to facilitate the clarification or determination of rights and benefits?
- What are the subsequent impacts of mitigation (ie: latent or pre-existing tenure rights) on other local and regional actors?

REDD + and Resource Tenure

REDD +: Reducing Emissions from Deforestation and Degradation

Who owns carbon rights?

Mechanism: International Convention (UNFCC) for developing countries to be financially rewarded for reducing forest-related emissions or increasing forest carbon sequestration.

Social Dimensions of REDD +: How to promote "no-harm" and promote "cobenefits"? Who captures benefit streams from direct cash payments, direct provision of goods and services, indirect benefits (greater tenure security, better governance...). How should carbon rights be attributed and clarified?

Tenure Issues: "Carbon Rights" at center of debate

Scenario 1: Devolution of full ownership rights to local communities

Scenario 2: Co-management or limited devolution to local communities

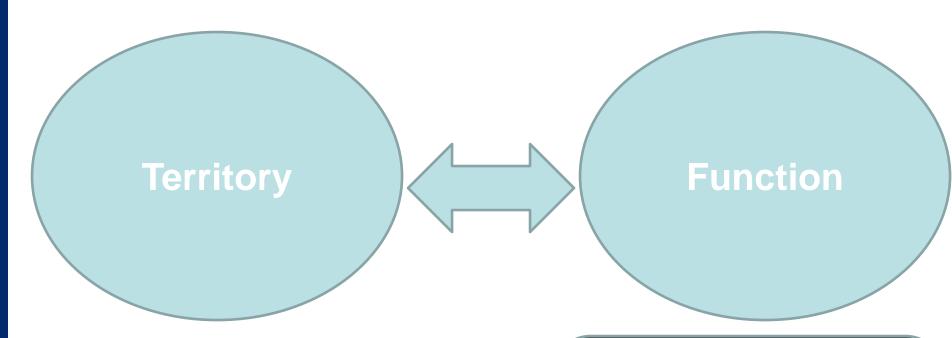
Scenario 3: No legal recognition of community forest rights

Climate Change and Tenure: Contested Spaces, Contested Resources



What type of land administration systems for an emerging era of climate change?

Innovations in Land Administration in an Era of Climate Change?

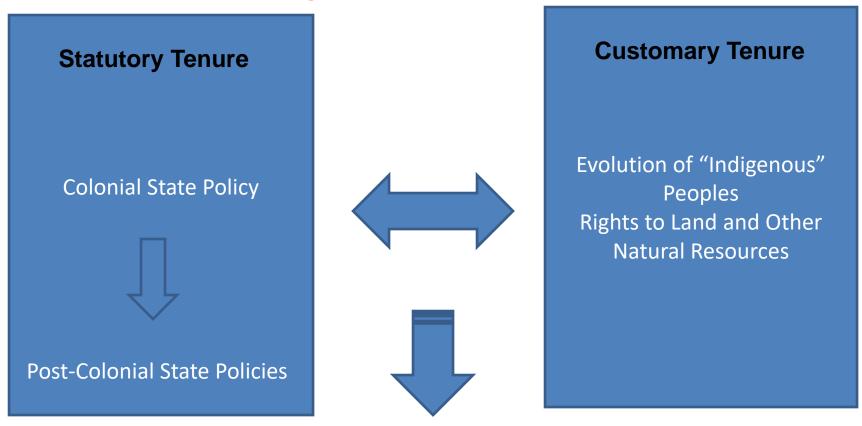


- Territorial control and exclusion
- Devolution of authority
- Local level rule-making
- Complex bundles of rights
- Respect for Indigenous rights
- Land charters
- Local level contracting
- "Adaptation" paradigm

- Facilitated access to all
- Centralization of authority
- National spatial planning
- Simplification of tenure regimes
- Standardization of land administration policies and practices
- "Replacement" paradigm

Climate Change and the Evolution of Customary and Statutory Tenure

How will these tenure regimes evolve in response to climate change? With what implications?



Mosaic of Tenure Arrangements for Particular Places and Times

Implications for Resource Tenure Policy and Administration?

- Problem Identification: How is climate change impacting livelihood systems in host countries? Who are vulnerable populations? Where located? What are the webs of causality?
- Building Resiliency to Climate Change Perturbations: How to foster resiliency within agricultural systems while strengthening incentives for investment in "climate sensitive agriculture"?
- Clarifying Rights: How to clarify and strengthen "bundles of rights" within statutory and customary tenure regimes while...
- Promoting Flexibility in Tenure Regimes: How to assure flexibility of movement of peoples in the face of climate induced perturbations?
 Implications on land administration?
- **Public Participation**: How to foster public policy formulation sensitive to equity considerations for adaptation and mitigation initiatives?
- Land Administration: Protecting land records in age of highly variable weather? Change in land administration services before relocating infrastructures or communities?

Land Tenure and Property Rights Issue Briefs





DEVOLUTION OF FOREST RIGHTS AND SUSTAINABLE FOREST MANAGEMENT VOLUME 1: A **REVIEW OF POLICIES AND** PROGRAMS IN 16 DEVELOPING COUNTRIES

PROPERTY RIGHTS AND RESOURCE GOVERNANCE PROJECT (PRRGP)

fuced for review by the United States Agency for Interna

FOREST CARBON RIGHTS GUIDEBOOK

A TOOL FOR FRAMING LEGAL RIGHTS TO CARBON BENEFITS GENERATED THROUGH REDD+ PROGRAMMING



USAID ISSUE BRIEF

CLIMATE CHANGE, PROPERTY RIGHTS, & RESOURCE GOVERNANCE

EMERGING IMPLICATIONS FOR USG POLICIES AND PROGRAMMING PROPERTY RIGHTS AND RESOURCE GOVERNANCE BRIEFING PAPER #2

The Second Working Group of the Intergovernmental Panel on Climate Change (IPCC 2007) and other scientific bodies present the case that climate change profoundly shapes ecological, social, and economic interactions. As the specter of global climate change unfolds, existing struggles will deepen over use, control, and management of land and other natural resources. In unpredictable ways, climate change will provoke adjustments in the value of land and other natural resources; simultaneously, climate change will intensify human migration and displacement. These forces will invariably destabilize governance and property rights regimes, spur the evolution of both statutory and customary tenure arrangements, and open the door for powerful actors to expand their claims on land and other natural resources. Similarly, climate mitigation initiatives, such as carbon sequestration policies and programs, may profoundly alter institutions of governance and property rights. In some cases, promising mitigation initiatives like reduced emissions from deforestation and forest degradation in developing countries (REDD) may lead to the expropriation of land and other natural

Climate change and associated policy responses will cause progressive, extreme and unpredictable shifts in the value of land and natural resources. Climate change and societal respo will disrupt existing tenure regimes by contributing to the forces that drive Tenure considerations will be crucial to the equitable distribution of benefits and the management of transaction costs in mitigation efforts. Responses to climate change will

and property rights of women, poor and marginalized peoples.

resources from poor and vulnerable peoples. In both climate change adaptation and mitigation, contentious str for access and control of resources may turn violent unless stakeholders from the local to the international scale engage in open and transparent processes to negotiate new rules of access to land and other natural resources. Dispute resolution must go hand-in-hand with policies to restructure both statutory and customary tenure.

National and international policy makers are beginning to explore the place of property rights and resource tenure in the discussions of climate change adaptation and mitigation strategies. International donors like USAID can play an important role in working with host country governments and civil society to integrate property rights and resource governance considerations into policies and programs to increase resilience to the impacts of climate change, and at he same time, foster mitigation activities. This issue paper presents a framework for categorizing analysis of the interface between climate change, governance, and property rights, and it describes ways for USAID to incorporate tenure considerations into climate change adaptation and mitigation initiatives.

ISSUES LINKING CLIMATE CHANGE AND PROPERTY RIGHTS AND RESOURCE GOVERNANCE

Resource governance, tenure, and property rights—the complex institutions and rules determining the ownership and allocation of land and natural resources-will be stressed, destabilized, and forced to evolve in response to climate change impacts. At the same time, these same governance institutions setting the rules for tenure and property rights will certainly mediate destablizing impacts. Modifications in tenure regimes will also be needed for the successful implementation of mitigation activities. Five key implications for USG policies and programming stand out at this intersection of climate change, property rights, and resource governance.

U.S. Agency for International Development



DEVOLUTION OF FOREST RIGHTS AND SUSTAINABLE FOREST MANAGEMENT VOLUME 2: CASE STUDIES

PROPERTY RIGHTS AND RESOURCE GOVERNANCE PROJECT (PRRGP)

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