Tenure and Climate Change

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Tenure and Global Climate Change (TGCC) Project
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Climate Change 101

- Energy Supply: 25.9%
- Industry: 17.4%
- Forestry: 13.1%
- Agriculture: 13.5%
- Transport: 7.9%
- Residential/Commercial Buildings: 2.8%
- Waste and Waste Water: 19.4%
Adaptation: Understanding Climate Impacts

Temperature:
- Annual/seasonal averages
- Changes in extreme high and lows

Water Changes:
- Decreased availability in semi-arid areas
- Contraction in snow coverage
- Increased heavy precipitation events
- Thermal expansion of seas
Tenure Impacts

Land-grabbing now prevails in ‘Yolanda’ disaster areas—right groups. Dec 12, 2013
DJ Yap, Philippine Daily Inquirer

Typhoon Haiyan Recovery Reveals Important Links Between Climate Change and Improved Tenure Governance
Dec 16, 2013; Robert Oberndorf
http://www.usaidlandtenure.net/commentary#1692
Drying of Lake Chilwa, Malawi

• Drying of lake creates increased possibility of overfishing
• New rules around resource governance required to adapt to changing rainfall patterns
Migration – 25 million to 1 billion by 2050

- Extreme events vs slow onset
- National vs international
- Seasonal vs long-term
- Forced vs voluntary

Werz & Conley, 2012
Planned Adaptation

- Vulnerability of poor
  - Urban adaptation plans
  - National climate strategies

- Changing Value of Land
  - Increasing
  - Decreasing
Mitigation: Reducing Emissions

Low Emissions Development Strategies

• Clean Energy
  – Built Environment
  – Transport
  – Industry

• Sustainable Landscapes
  – Forests (REDD+)
  – Agriculture
Clean Energy & LEDS

- Built Environment
- Transport
- Industry

“In the early 1990s, the construction of 300 high dams (above 15 metres) each year had displaced four million people. Urban and transportation infrastructure projects accounted for six million more displaced each year.”
**Sustainable Landscapes**

Unclear ownership, management, exclusion rights

Security of Land Tenure

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Actors seeking rents

Forest Conversion and Increased Emissions

REDindr

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New incentives to own/manage lands
Sustainable Landscapes

Carbon Credits

– Who owns trees?
– Who manages trees?
– Who bears the costs of leaving trees standing?
– What does it mean to sell a credit?
– Who decides?
**Sustainable Landscapes**

- REDD+ not going to solve decades old tenure challenges
  - Better definition of the challenges
  - Tenure lens necessary
  - Milestones

- Investment will flow to where tenure is clear