

CIFOR's Research on Forests and Climate Change



What do we know about the connection between forests and climate change?

Forest loss and climate emissions

- Some 20% of global carbon emissions are from forest loss and land-use change – mainly in the tropics
- More carbon to the atmosphere than comes from the fossil fuel-intensive global transport sector
- In many developing countries, emissions from land-use change account for 60-90% of total national emissions



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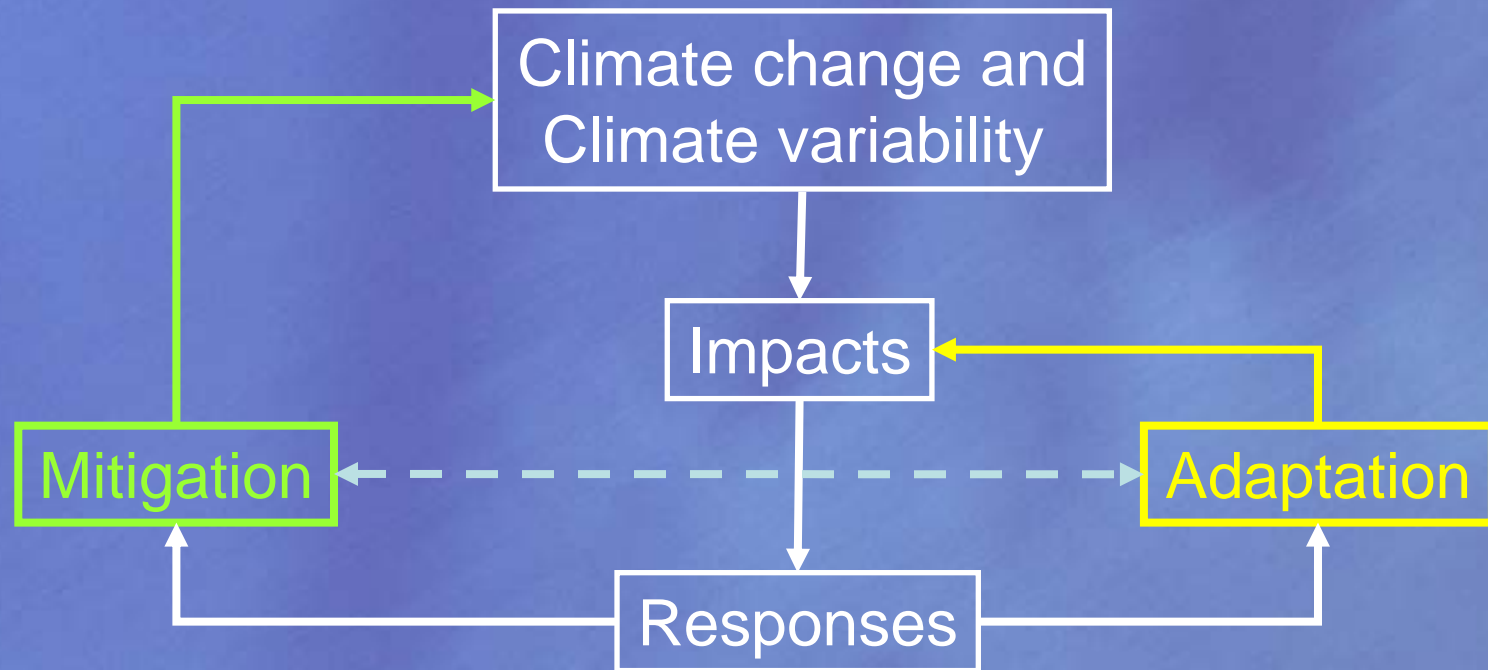
Forests and adaptation to climate change

- Climate change is already having dramatic effects on forests, natural resources and people's livelihoods
- Developing countries, and poor people within developing countries, are the most vulnerable to climate change
- Forests provide ecosystem goods and services (e.g. wood, water) that are vital for the adaptation of the most vulnerable societies
- Maintenance of forest vegetation is crucial for reduced vulnerability and continued carbon sequestration

CIFOR's Initiative on Forests and Climate Change

- Building on strengths and earlier research, e.g.
 - Underlying causes of deforestation
 - Payments for environmental services
- Contributing to national processes on forests and climate change
- Providing valuable input for the design of an international post-2012 climate protection regime
- CIFOR's research focusing on two main aspects
 - Mitigation of climate change
 - Adaptation to climate change

Forests and climate change: Mitigation and adaptation



... maintaining and increasing ecosystem C pools and C sequestration – reducing emissions from biosphere

... maintaining and increasing ecosystem resilience – reducing vulnerability

Forests and Climate Change Mitigation



Enhancing the role of forests in climate mitigation

- Managing forest carbon pools
- Improving institutional arrangements and governance for implementation of REDD schemes
- Political economy and barriers to adoption of policies for efficient REDD regimes



Do Trees Grow on Money? The Implications of deforestation research for policies to promote REDD

Markku Kanninen
Daniel Murdiyoso
Frances Seymour
Arlid Angelsen
Sven Wunder
Laura German



¿Crecen los árboles sobre el dinero? Implicaciones de la investigación sobre deforestación en las medidas para promover la REDD

Markku Kanninen
Daniel Murdiyoso
Frances Seymour
Arlid Angelsen
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Laura German



木はお金で育つか? 「森林減少と森林劣化に由来する排出削減(REDD)」 に対する森林減少研究からの示唆

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共訳

Forests and Climate Change Adaptation



Enhancing the role of forests in adaptation to climate change

- Role of forests in broader climate change adaptation
- Mainstreaming forestry into climate change adaptation

Tropical forests and adaptation to climate change

In search of synergies



Editors
Carmenza Robledo, Markku Kanninen, Lucio Pedroni

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ORIGINAL ARTICLE

Mitigation needs adaptation: Tropical forestry and climate change

Manuel R. Guariguata • Jonathan P. Cornelius •
Bruno Locatelli • Claudio Forner •
G. Arturo Sánchez-Azofeifa

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Thank You