Approaches for research and policy engagement on the transformations and governance of value chains and landscapes

Pablo Pacheco

Bonn, 19 December 2017
Relevant international debates

- Sustainable commodity supply
- Zero deforestation
- Forest restoration
- Smallholder integration
- Responsible finance
- Financing landscapes
- Jurisdictional approaches
Approaches on value chains and landscapes

- Global value chains and investments lead to landscape transformation
- Land use trajectories linked to incentives and opportunity costs
- Trends of agribusiness expansion versus smallholder agriculture
- Value chain and market configuration and capture of land economic rents
- Disparate environmental externalities and [local/national] spillover effects

Source: WWF 2016, based on Van Oorschot 2014
Global forces driving landscape transformation

- Changes in geographies of production
  - Global trade [competitiveness]
  - Investment opportunities
  - Expected financial benefits
  - Supply and demand policies
- Teleconnections of food and land use
- Indirect land use [leakage effects]

Source: Adapted from Pacheco et al. 2012
Global/local & state/non-state interactions

- Multiple governance arrangements
- Several sources of power & authority
- Diverse landscape configurations
- Efficiency, effectiveness and equity
- Differentiated impacts on land use
- Associated distribution of costs, benefits, risks and opportunities

Source: Pacheco et al. 2017b
Approaches to address performance gaps

- Finance
- Trade
- Fiscal
- Production
- Land

State regulations

- Commitments
  - Individual
  - Collective
- Codes of conduct
- Private standards

Value chains

- Land conflict
- Productivity gaps
- GHG emissions

Downstream

- GHG emissions
- Jurisdictional approaches
- Business models
- Regulatory harmonization

Upstream

- Finance
- Trade
- Fiscal
- Production
- Land

PRIVATE STANDARDS

TRANSNATIONAL GOVERNANCE

VALUE CHAIN GOVERNANCE

MULTI-LEVEL GOVERNANCE

EXPERIMENTALIST GOVERNANCE

Source: Pacheco et al. 2017a
The case of palm oil

Source: van Gelder et al. 2017
What is happening on the ground?

Atlas of deforestation and industrial plantations in Borneo

Deforestation 2001 - 2016: all forests vs. peat-swamps

http://www.cifor.org/map/atlas/
This research was carried out by CIFOR as part of the CGIAR Research Program on Forests, Trees and Agroforestry (CRP-FTA). This collaborative program aims to enhance the management and use of forests, agroforestry and tree genetic resources across the landscape from forests to farms. CIFOR leads CRP-FTA in partnership with Bioversity International, CIAT, the International Center for Tropical Agriculture and the World Agroforestry Centre.