



Reflections

FORESTRY AND LAND SECTOR GHG MODELING FORUM

SEPTEMBER 25-28, 2016

New world: New Challenges, New Needs

- ▶ Paris Agreement has created new demands, highlighted needs
 - ▶ Near-term projections – NDCs. 5 year cycles
 - ▶ Regular inventory reporting
 - ▶ Long-term modeling - Mid-Century Strategies
 - ▶ Collective Goals
 - ▶ 2 degrees/ 1.5 degrees
 - ▶ Balance of emissions and removals
- ▶ Need for more user-friendly tools to respond to new needs
- ▶ Domestic work, international capacity building

Integrated approaches

- ▶ Achieving climate goals will require integrated approaches
- ▶ Models must reflect this. (*Policy must as well!*)
 - ▶ Interaction between forests, agriculture, bioenergy
 - ▶ Interaction between land sector, energy, transport, settlements
 - ▶ Market effects
 - ▶ Trade

Supporting mitigation action

- ▶ Levers for behavior change vary by sectors, stakeholders
 - ▶ How to understand, model responses to policies, incentives?
- ▶ What form should incentives take? Where will they come from?
- ▶ How are the economics of mitigation actions understood?
- ▶ How are performance, outcomes assessed?
 - ▶ What indicators do we use to we track results?
 - ▶ How does this feed back into models?
 - ▶ How does it inform policy?

Impacts of climate change

- ▶ How will climate change affect food production? Cropping patterns? Tree species?
- ▶ What indicators do we use to track impacts?
- ▶ How are the economics of resilience practices understood? (And are they different from mitigation practices?)
- ▶ How will different climate scenarios affect mitigation options?
- ▶ How to we communicate this to decision-makers at all levels?
 - ▶ Need for decision support tools.

Communication

- ▶ How are modeling results communicated to policy-makers? Land managers? Companies?
- ▶ How are projections explained?
- ▶ How are mitigation options presented?
- ▶ How do we craft a simple narrative around a complex land sector?
- ▶ How do we create easy to use decision-support tools for stakeholders?
 - ▶ Domestic?
 - ▶ For international partners?

The easy questions:

- 1) What do you think the single most promising mitigation option? And at what scale? (Thanks Steve!)
- 2) What is the one thing you wish you could tell policymakers?