

Height

0 m

10 m

20 m

# Enhancing transparency to support the REDD+ process





# Forests: A Permanent Contribution to the Paris Agreement

Sandro Federici, Donna Lee, Martin Herold

The contributions by forests should not be “discounted” due to fears of permanence...

- Forests have sequestered carbon for millennia; there is more carbon in forests than fossil fuel reserves.
- Terrestrial sinks remove around 30% of human-caused emissions, are naturally adaptive, and the only carbon capture and storage proven to work at scale and reasonable cost
- Reversals can occur in any sector—and are tracked through the Paris Agreement and long-term reporting of GHGs through national inventories
- Shorter term accounting frameworks (e.g. trading mechanisms) require data and tools to manage risks of reversals, and these have been developed and tested

Report available at: [www.GHGforestfluxes.com](http://www.GHGforestfluxes.com)

## Enhancing transparency in the land-use sector

### Exploring the role of independent monitoring approaches

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#### Key messages

There is a need for independent monitoring approaches (i.e. unbiased data, tools and methods) that stakeholders involved in land-use sector mitigation activities can rely on for their own goals, but which would also be perceived as transparent and legitimate by others and support accountability of all stakeholders in the framework of the Paris Agreement.

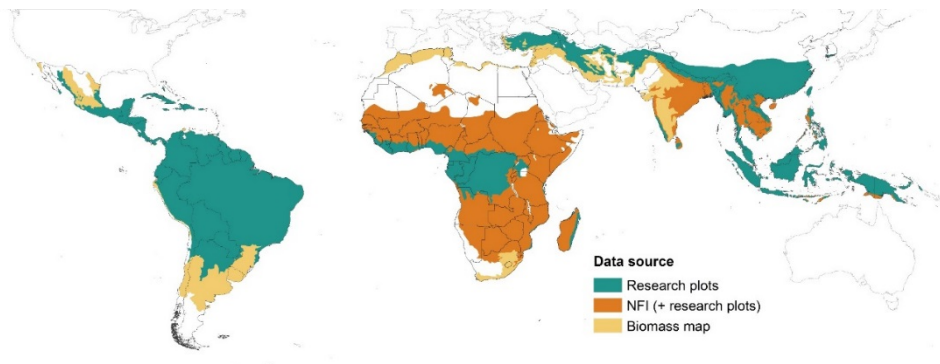
<http://www.cifor.org/library/6256/enhancing-transparency-in-the-land-use-sector-exploring-the-role-of-independent-monitoring-approaches/>

- Transformational change requires information, engagement and performance
- Enhancing transparency framework
- UNFCCC global stocktake
- Catalyst to stakeholder participation & joint learning and
- Accountability for sustainable land use
- Transparent monitoring is not a “system”, it is a variety of practices

## Enhancing guidance and synthesis

- Almost all REDD+ countries use free and open satellite data to estimate activity
- Global data sources (i.e. WRI-GFW) and cloud-based solutions (FAO-SEPAL) for countries and other stakeholders
- GFOI Methods and Guidance ([www.gfoi.org/methods-guidance/](http://www.gfoi.org/methods-guidance/))
- Training materials (<http://www.gofcgold.wur.nl/redd/training-materials/>)
- 2019 refinement of the IPCC Good Practice Guidelines
- Dedicated expert synthesis workshop and modules for accuracy assessments (<http://www.gfoi.org/rd/>)
- Completed for activity data, ongoing for emission factors

# 2019 Refinement of the IPCC GPG: updating biomass defaults



- Partnership: research, countries, FAO/UN-REDD, Worldbank FCPF
- Research network plots in humid tropics
- NFI's make a big difference for Africa
- Split in young/old secondary forests only for some tropical strata
- Biomass maps for lower biomass area

## Tropical wet

Primary  
Secondary >20 years  
Secondary ≤20 years

South America	Africa	Asia
604	349	214
328	62	94
513	29	88

## Tropical moist

Primary  
Secondary >20 years  
Secondary ≤20 years

147	25	11
185	7052	60
353		

## Tropical dry

Primary  
Secondary >20 years  
Secondary ≤20 years

33	9216	36
72		
44		

## Tropical shrubland

Primary  
Secondary >20 years  
Secondary ≤20 years

	19	
	2607	

## Tropical mountain system

Primary  
Secondary >20 years  
Secondary ≤20 years

106	64	30
21	1852	14
114		36

## Subtropical humid

Primary  
Secondary >20 years  
Secondary ≤20 years

		29
		26
		5

## Subtropical dry

Primary  
Secondary >20 years  
Secondary ≤20 years


## Subtropical steppe

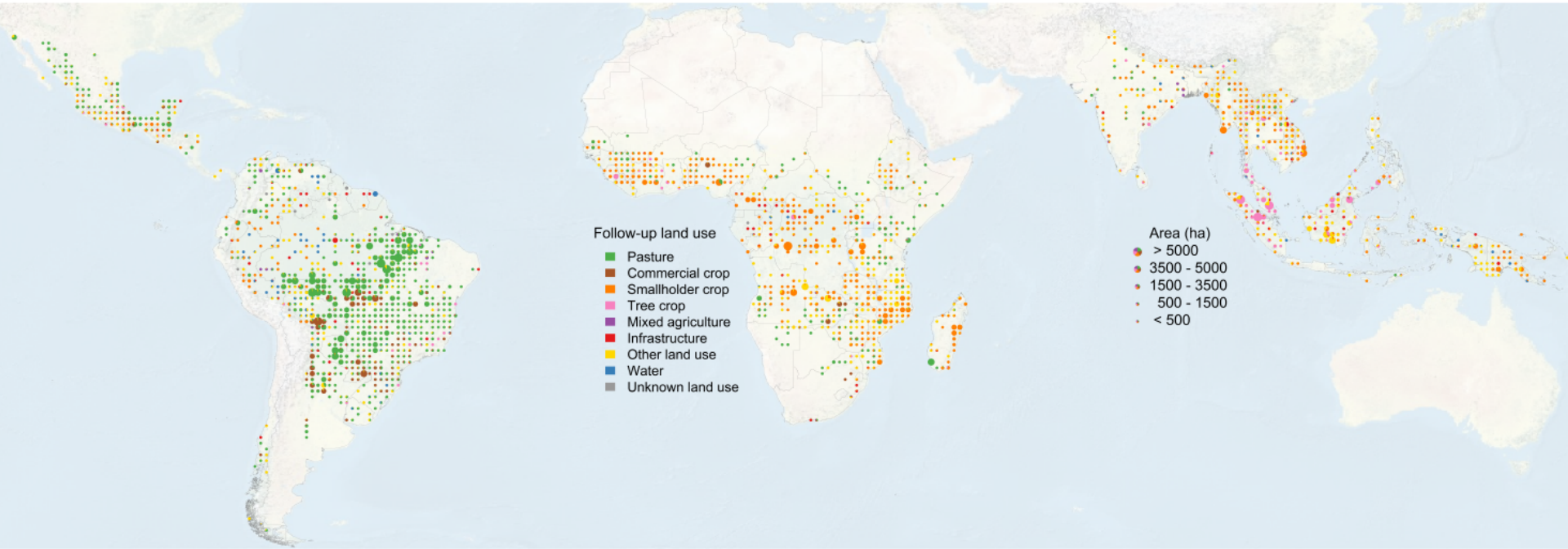
Primary  
Secondary >20 years  
Secondary ≤20 years


Value = number of plots

	Research plots
	NFI plots, or both
	No data



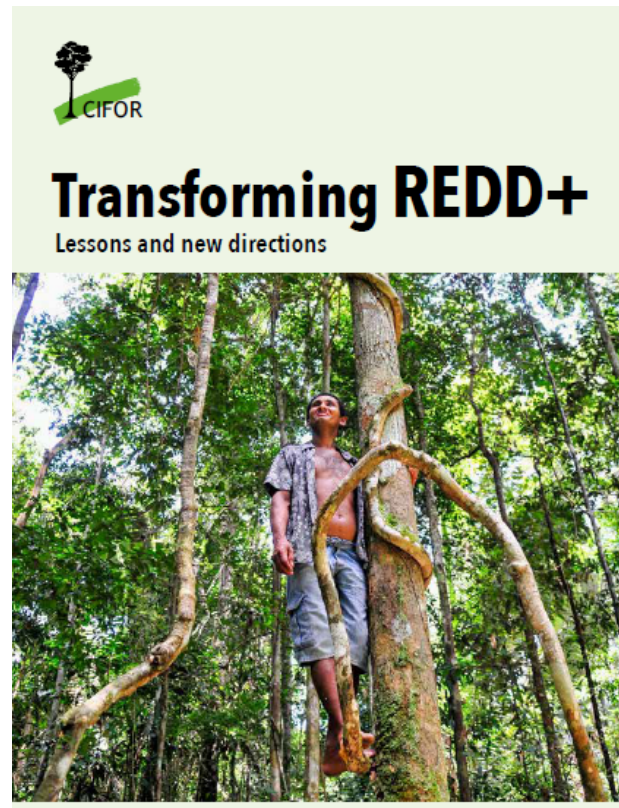
# Land use following tropical deforestation



FAO FRA remote sensing survey data 1990-2005 (analysis: Sy et al., 2015, ERL, data: <http://lucid.wur.nl/>)

## Release: CIFOR book on transforming REDD+

1. Constructive critique
2. Modest forest and social impacts
3. REDD+ as objective remains strong
4. Evolving REDD+ and new initiatives
5. Information-driven REDD+:  
powerful deforestation agents  
heavily influence information on  
drivers
6. Side event tomorrow, 6.30 pm,  
room Warmia



# Enhancing transparency to support the REDD+ process

1. Open data, tools and guidance as catalyst for:
  - Enhancing transparency under Paris Climate Agreement
  - Underpinning country capacities
  - Stakeholder engagement and “local” solutions
  - Accountability for sustainable and climate smart land use activities
2. GFOI support through methods and guidance, targeted R&D synthesis (uncertainty), data coordination (biomass/c-stocks)
3. Need to make more use of the data for assessing mitigation options and support implementation/enforcement