



Policies against hunger

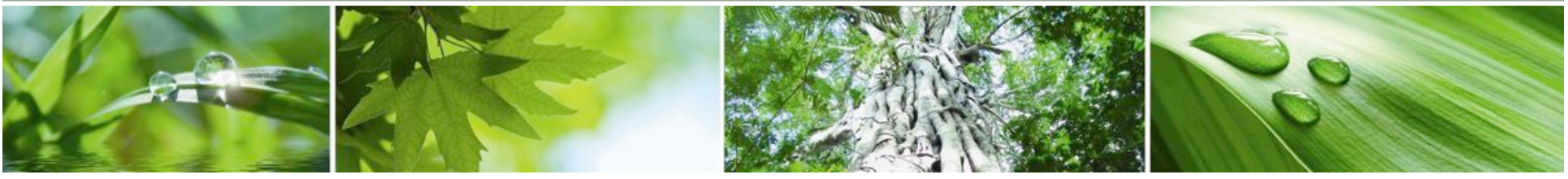
Working Group 2: Forests



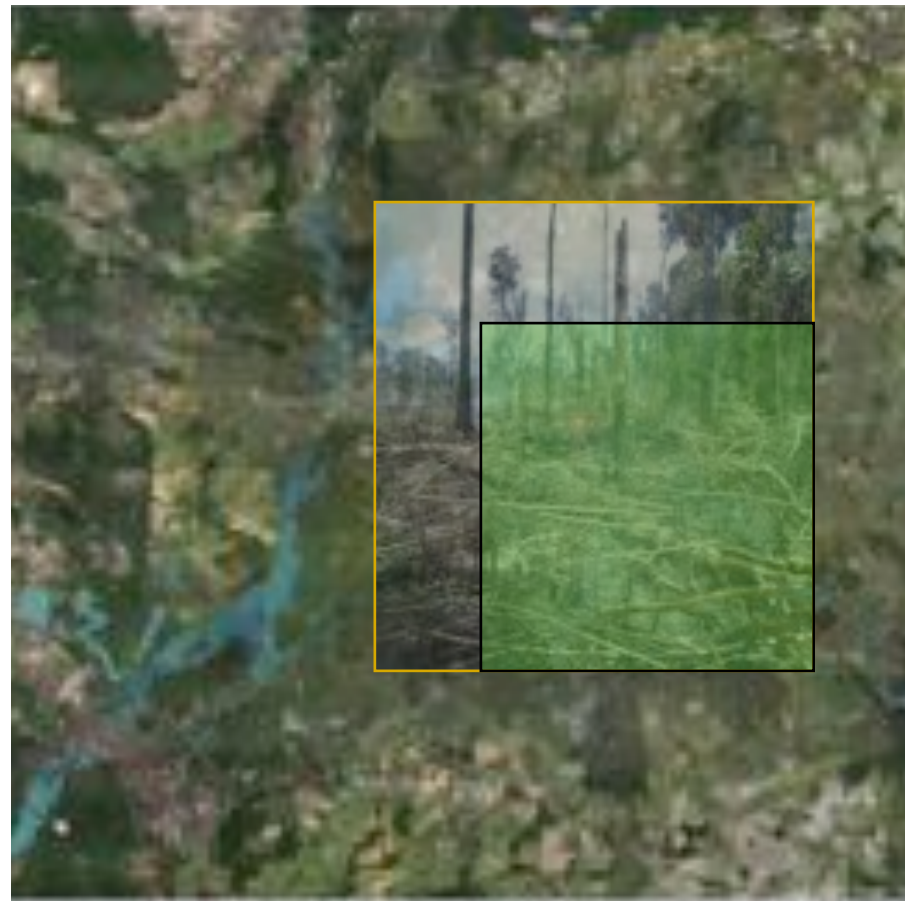
Michael Köhl
Thomas Baldauf

Institute for World Forestry, Hamburg





Daily Deforestation and Afforestation Rate

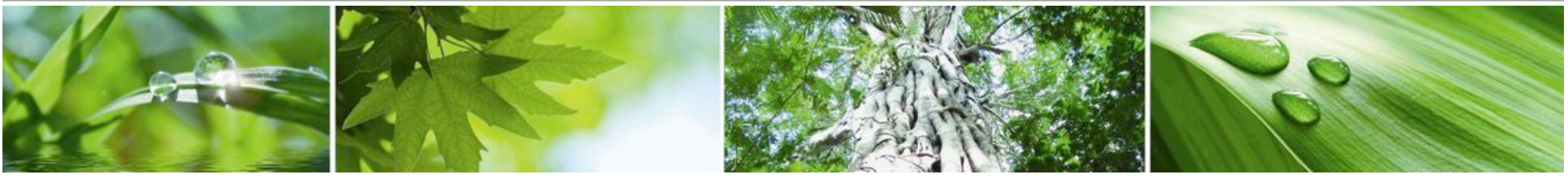


2000 – 2010

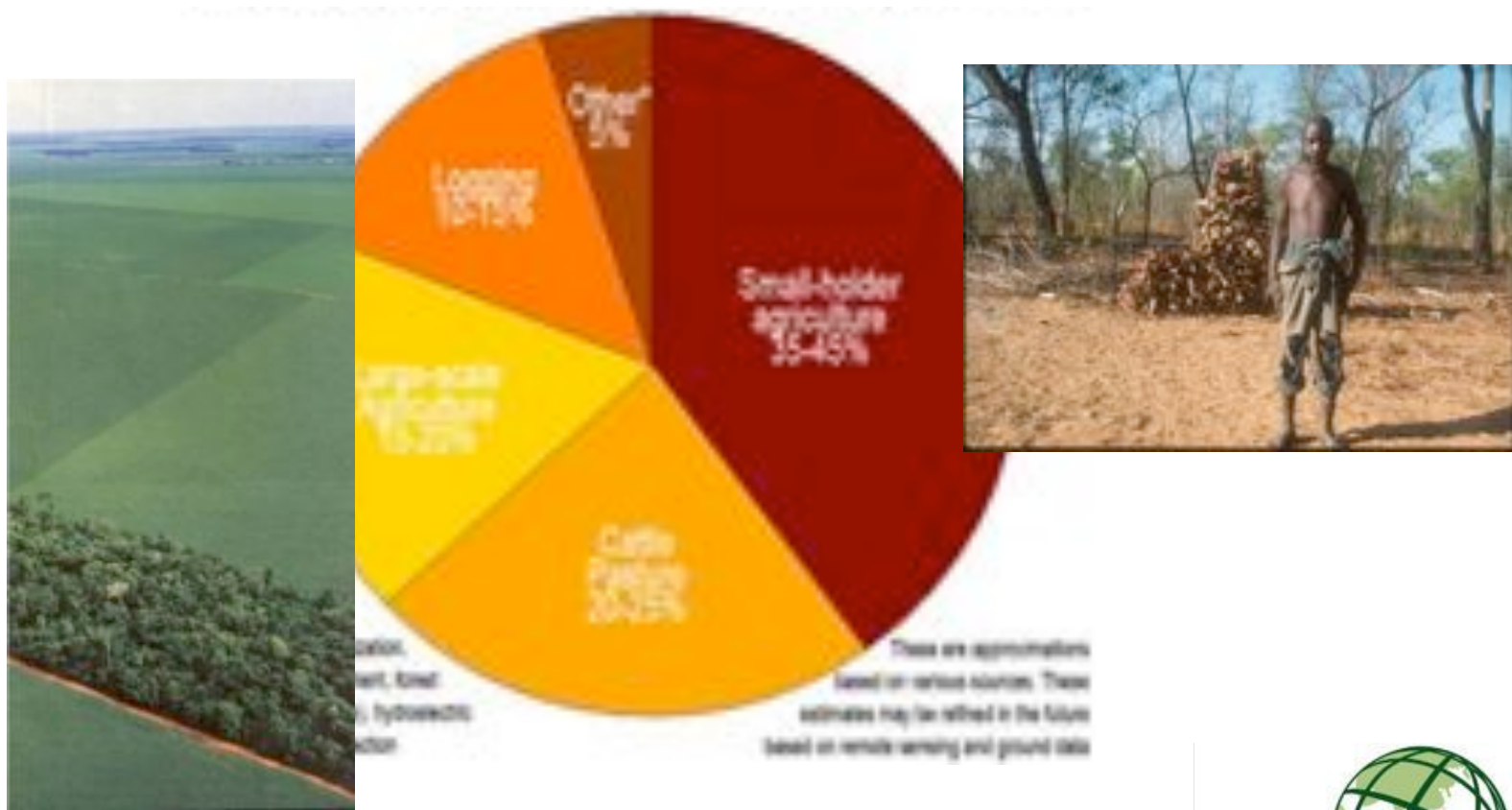
Deforestation
13 mio. ha a⁻¹

Afforestation
7.8 mio. ha a⁻¹

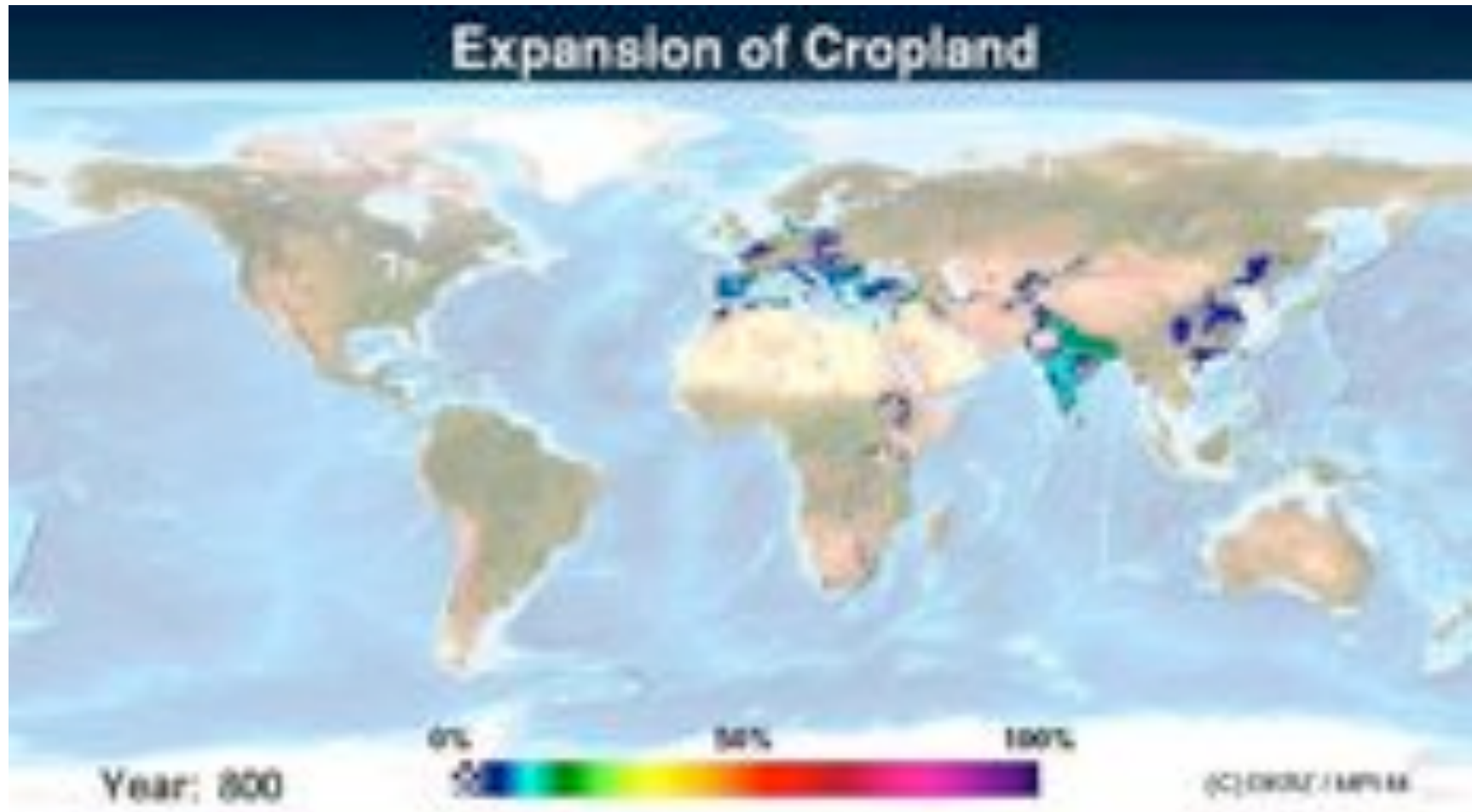
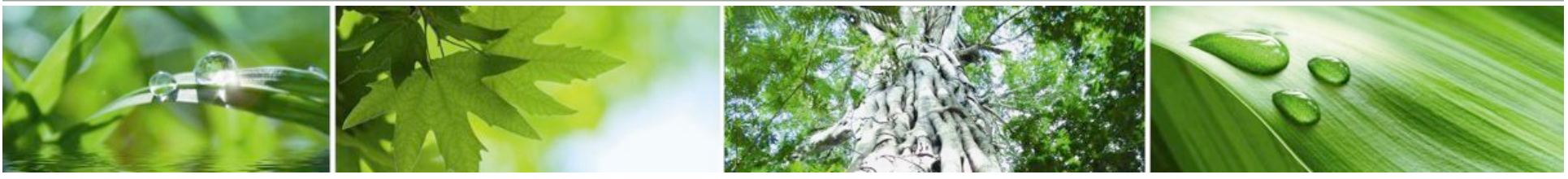
Source: FAO, Global Forest Resources Assessment, 2010



Causes of tropical deforestation 2000-2005

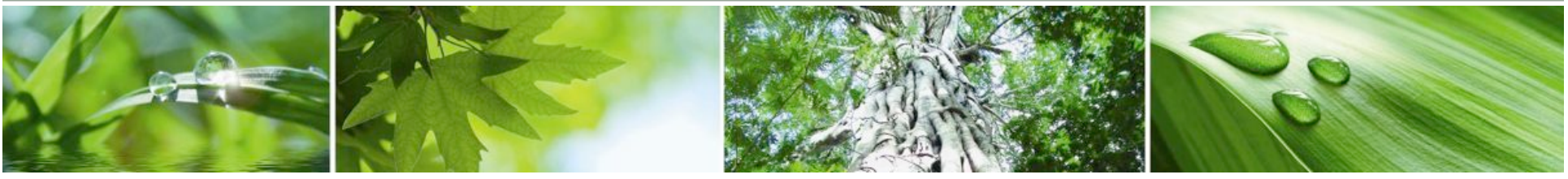


Source: FAO, Global Forest Resources Assessment, 2005



Source: Julia Pongratz et al., MPI, Hamburg, 2010





Combatting Deforestation

Past initiatives



Boycott of tropical timber

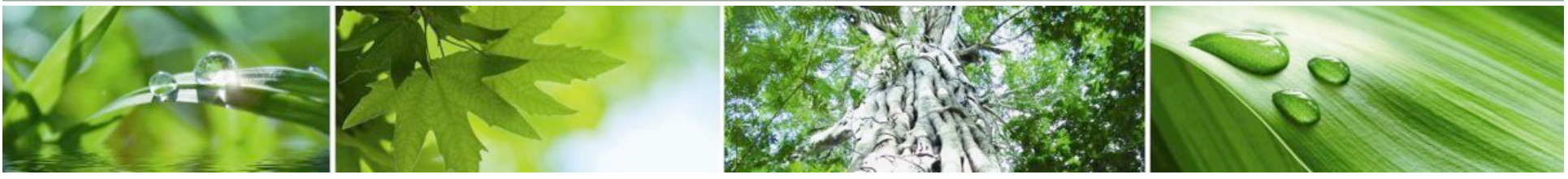


UNCED, Rio, 1992
„missing 4th convention“



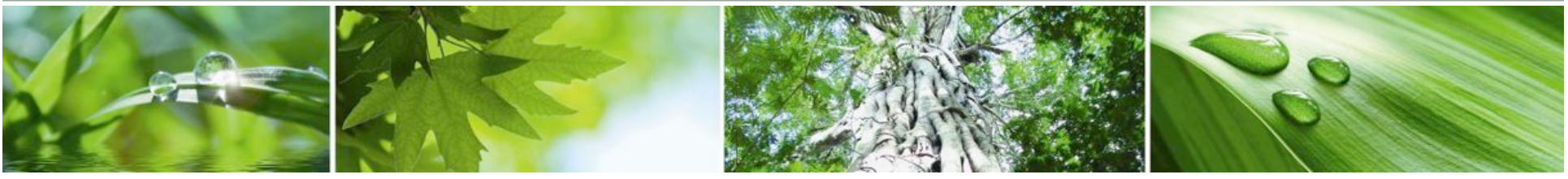
Certification





What would you do?



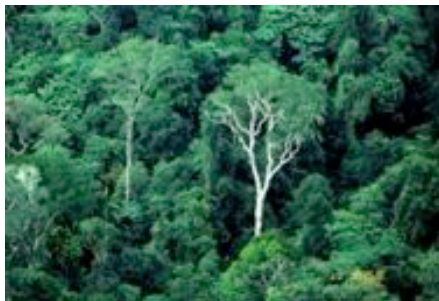


Combatting Deforestation

The Commission proposes to **halt** global forest cover loss **by 2030** at the latest and to **reduce** gross tropical deforestation **by at least 50 % by 2020**¹

UNFCCC: REDD+

Reducing Emissions from Deforestation and Forest Degradation in Developing Countries



Undisturbed forests

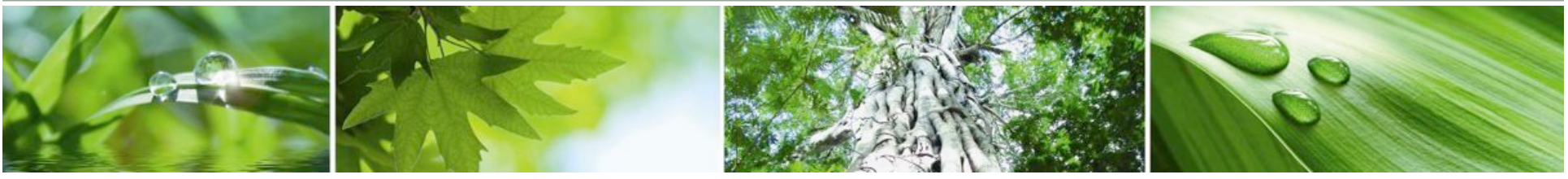


Forest degradation

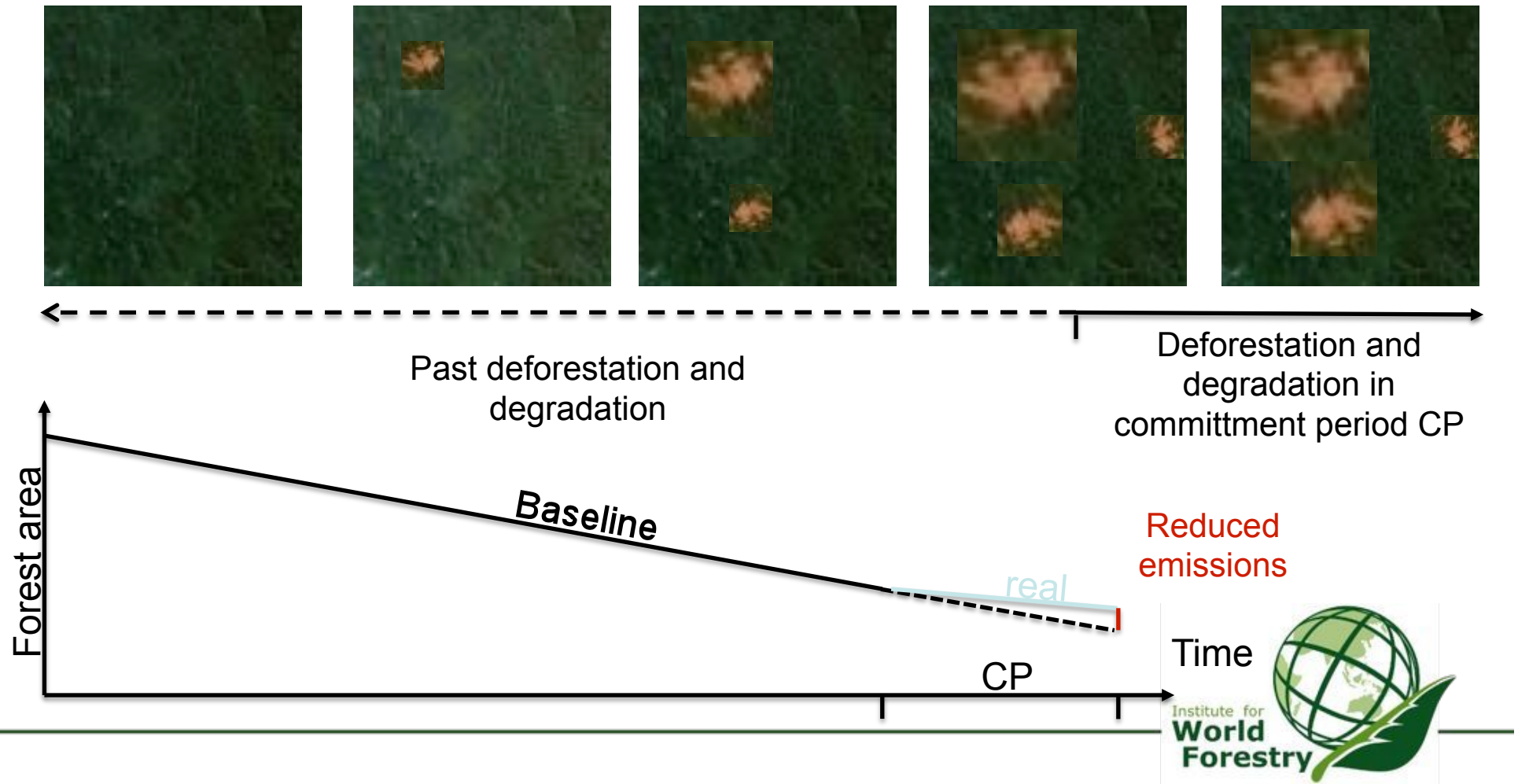


Deforestation

¹) Source: http://europa.eu/legislation_summaries/agriculture/environment/ev0007_en.htm

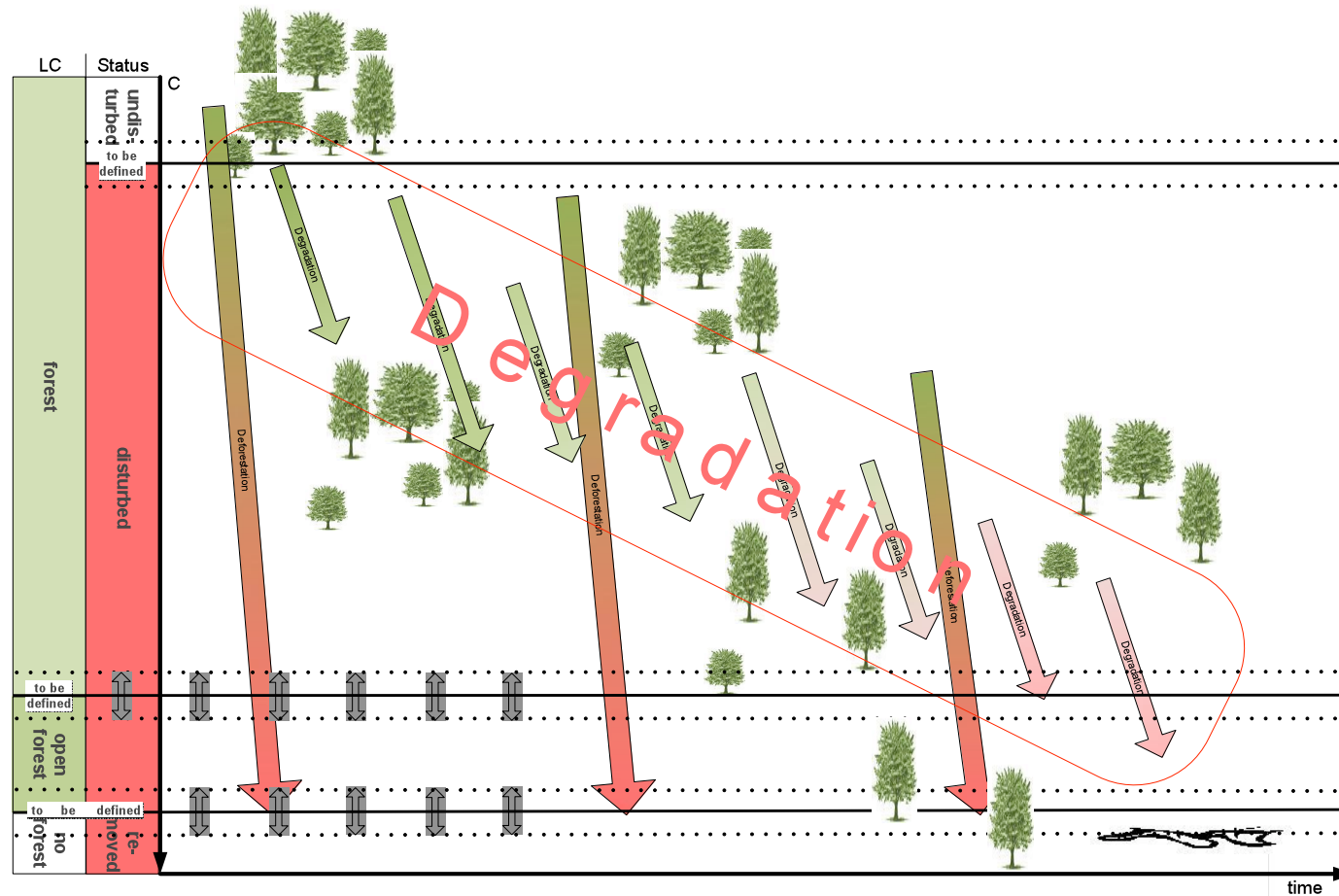


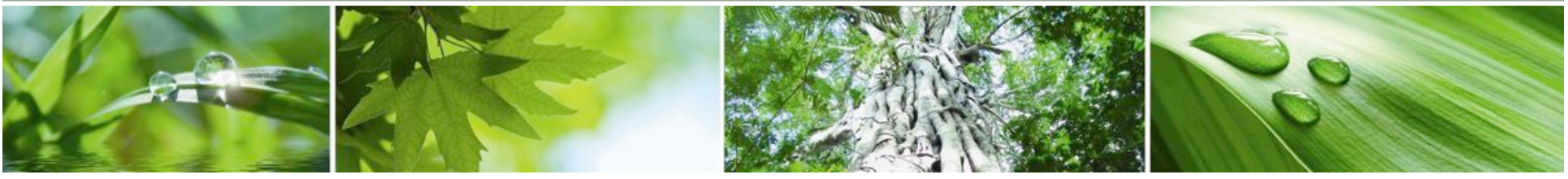
The concept of REDD





Degradation or deforestation?





Problems with monitoring forest degradation



Biomass Stock time 1



Biomass Stock time 2
Not detectable by
passive remote
sensing

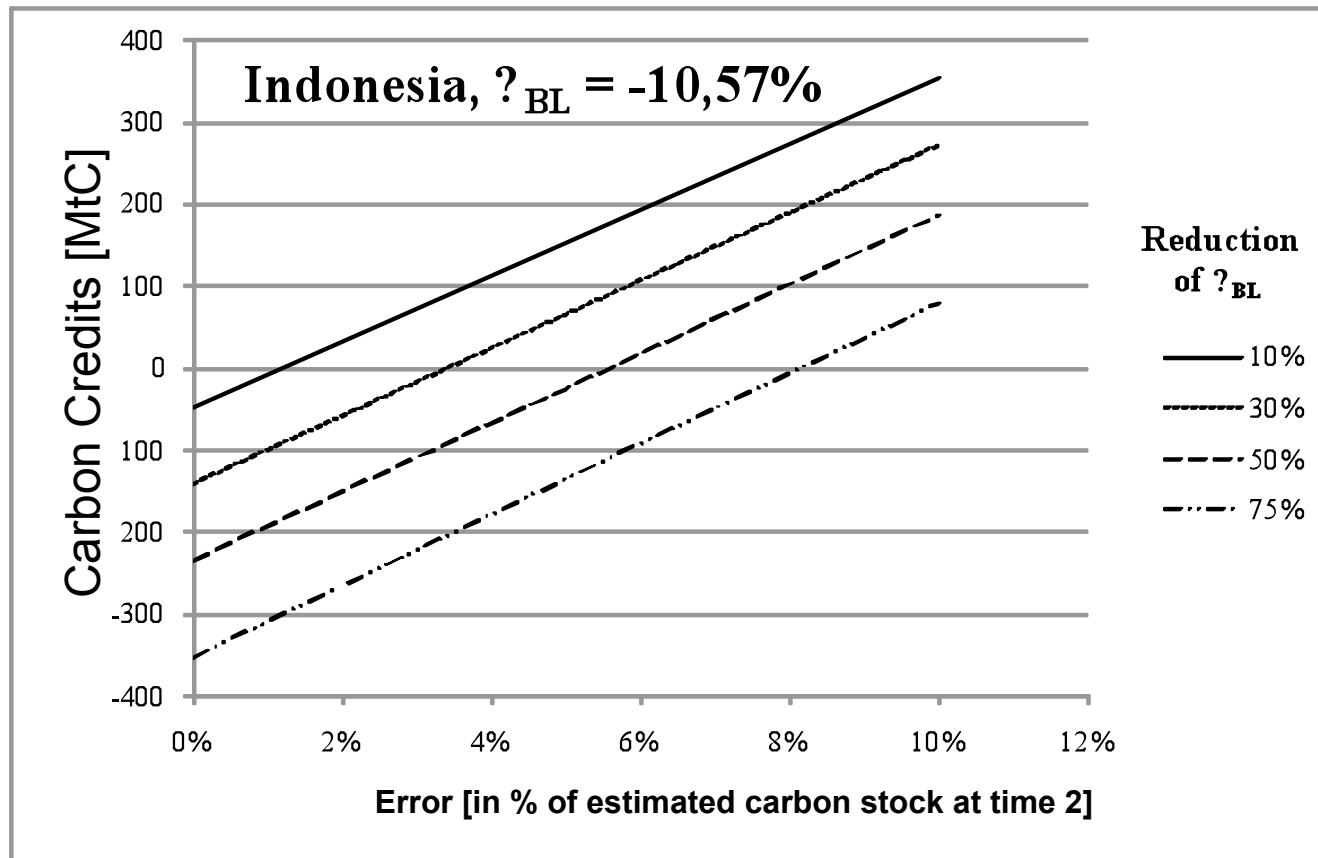


Biomass Stock time 3
Detectable by passive
remote sensing

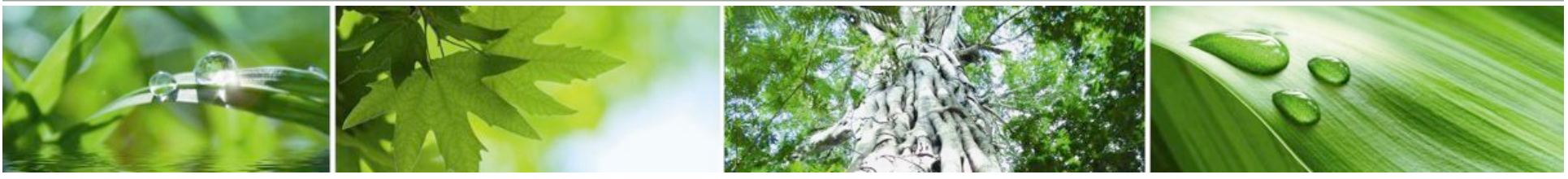
Stealthy degradation
=> Classification errors



Effect of Uncertainties on Accountable Carbon Credits



Source: Köhl et al., 2009



Conflicts in beneficial use



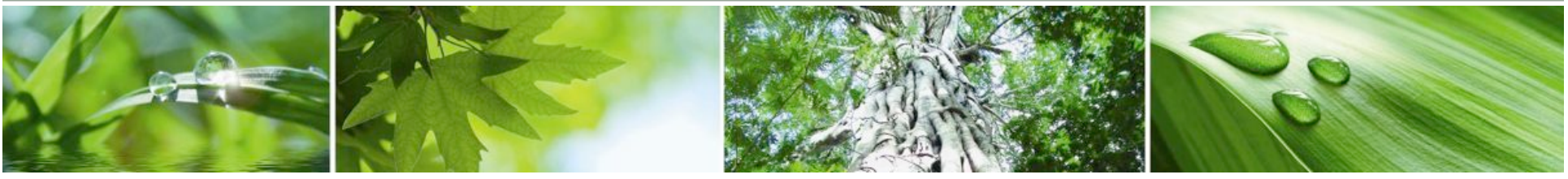
Biodiversity
conservation

Fuel wood/ timber

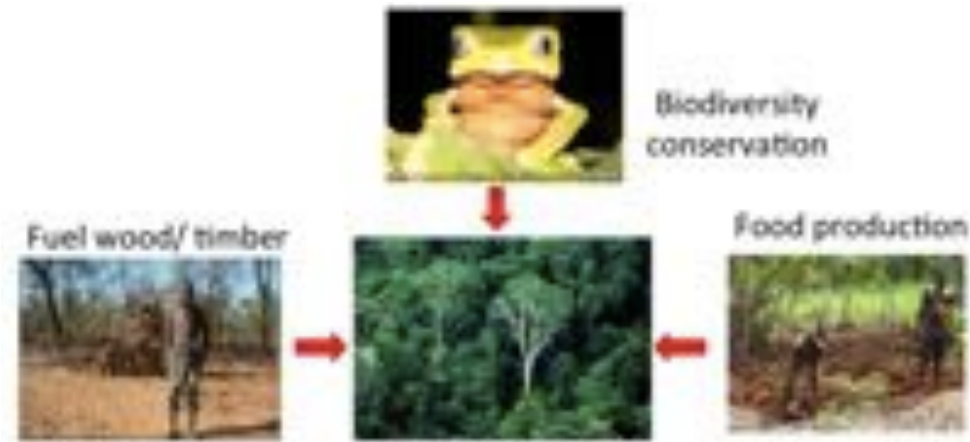


Food production





Solving conflicts in beneficial use

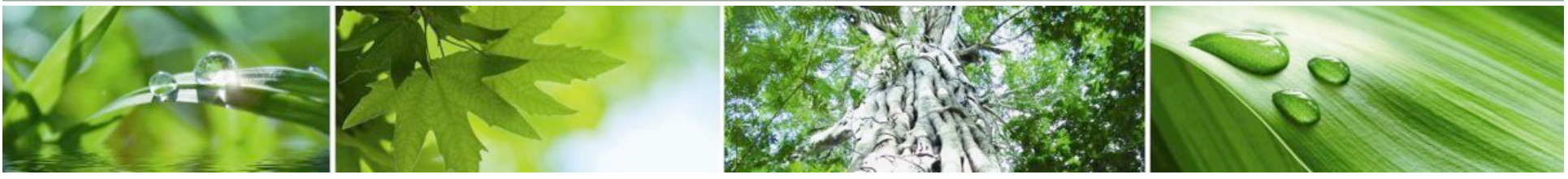


Sustainable forest management

- Timber utilization
- Fuel wood
- Non-timber forest products
- REDD safeguards
- CBD ecosystem approach
- UNFF-non leagaly binding instruments
- EU-FLEGT/ VPAs
- Certification

Sustainable agriculture

- Capacity building
- Soil improvement
- Seed improvement
- Agroforestry
-



REDD and incentives

