

REDD+ and iLUC Mitigation

Dr. Danae Maniatis, UNDP Consultant, UN-REDD Programme

IEA Bioenergy - Brussels, 23 October



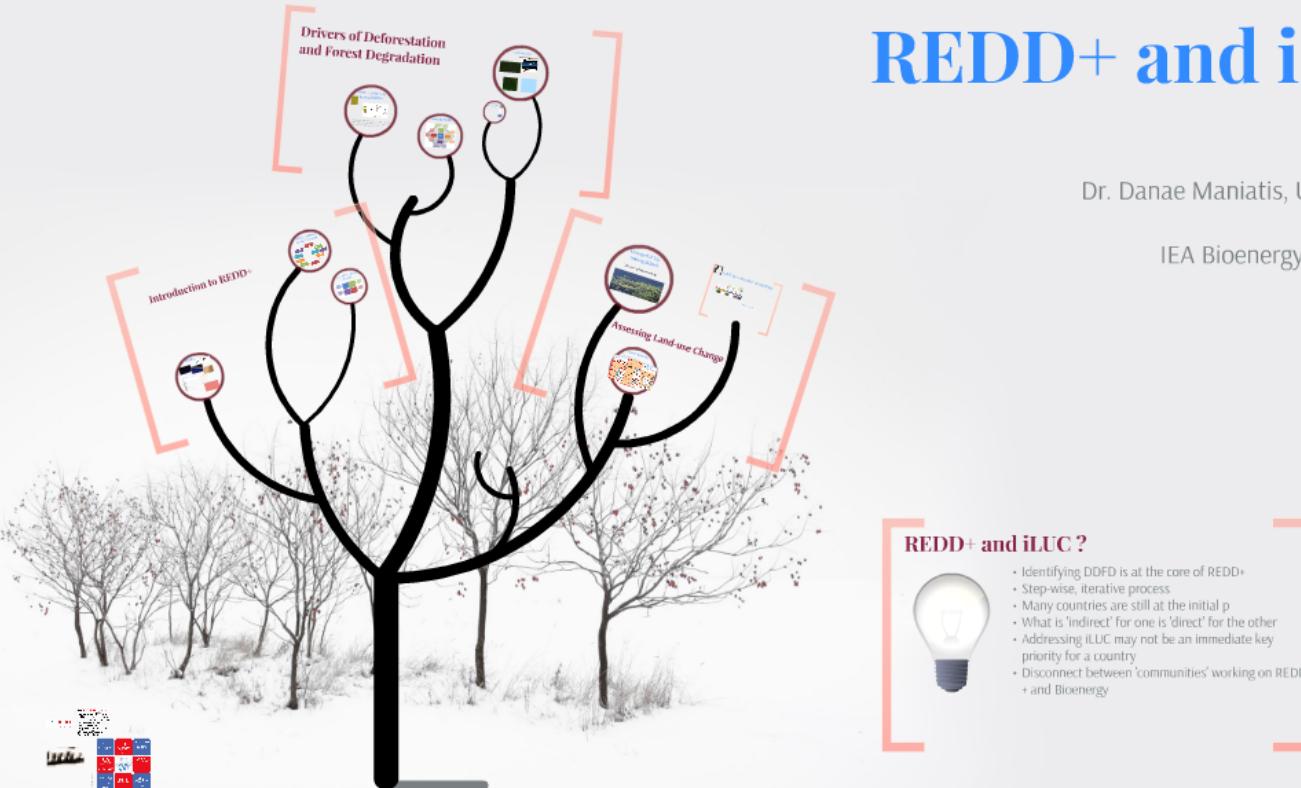
REDD+ and iLUC ?

- Identifying DDFD is at the core of REDD+
- Step-wise, iterative process
- Many countries are still at the initial p
- What is 'Indirect' for one is 'direct' for the other
- Addressing iLUC may not be an immediate key priority for a country
- Disconnect between 'communities' working on REDD+ and Bioenergy

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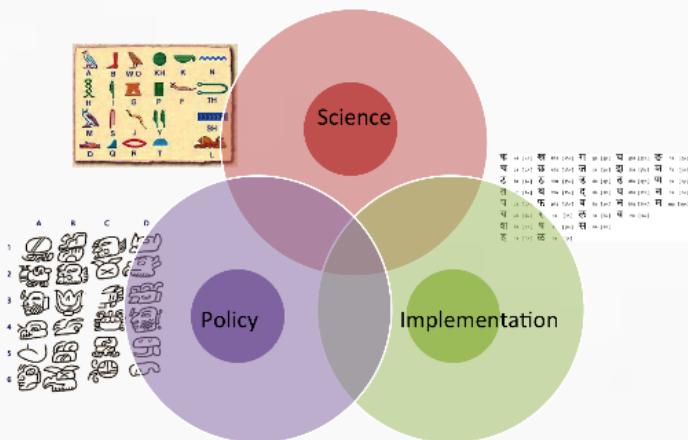
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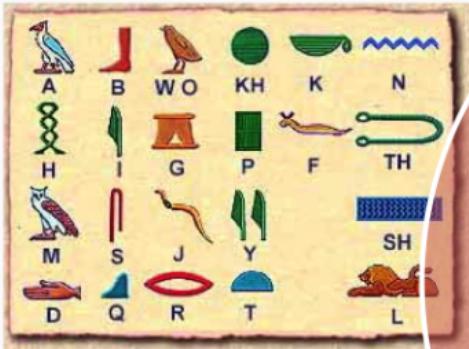
UN-REDD PROGRAMME

The **UN-REDD Programme** was launched in 2008 and builds on the convening role and technical expertise of the UN Development Programme (UNDP), the UN Environment Programme (UNEP) and the UN Food and Agriculture Organization (FAO).



As of August 2014





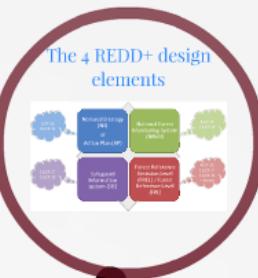
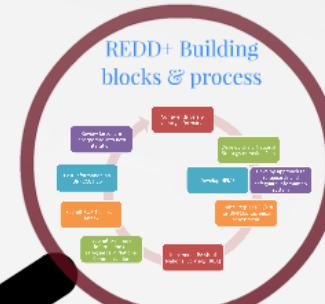
Policy

Science

Implementation

କ	ka [kʌ]	ଖ	kha [kʰʌ]	ଗ	ga [gʌ]	ଘ	gha [gʰʌ]	ଡ	na [nʌ]
ଚ	ca [cʌ]	ଛ	cha [tʰʌ]	ଜ	ja [jʌ]	ଝ	jha [fʌ]	ବ	ba [vʌ]
ଟ	ta [tʌ]	ଠ	tha [dʰʌ]	ଡ	da [dʌ]	ଣ	dha [dʰʌ]	ନ	na [nʌ]
ତ	ta [tʌ]	ଥ	tha [dʰʌ]	ଦ	da [dʌ]	ଧ	dha [dʰʌ]	ନ	na [nʌ]
ପ	pa [pʌ]	ଫ	pha [pʰʌ]	ବ	ba [vʌ]	ଭ	bha [bʌ]	ମ	ma [mʌ]
ୟ	ya [jʌ]	ର	ra [rʌ]	ଲ	la [lʌ]	ଵ	va [vʌ]		
ଶ	ea [eʌ]	ପ	ea [ɛʌ]	ସ	sa [sʌ]				
ହ	ha [hʌ]	ଳ	la [ɬʌ]						

Introduction to REDD+



REDD+

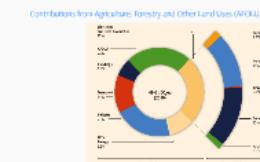
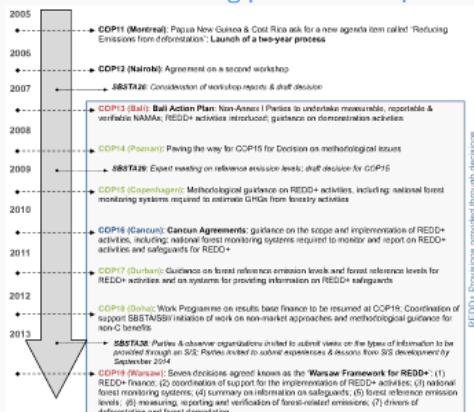


United Nations
Framework Convention on
Climate Change

Bali, Indonesia, 3-14 December 2007



The decision making process: 196 parties



The five REDD+ activities

The scope of REDD+ was agreed in Cancun. Developing countries are encouraged to contribute to mitigation actions in the forest sector by undertaking the following activities:

III. Conservation of forest carbon stocks

IV. Sustainable management of forests

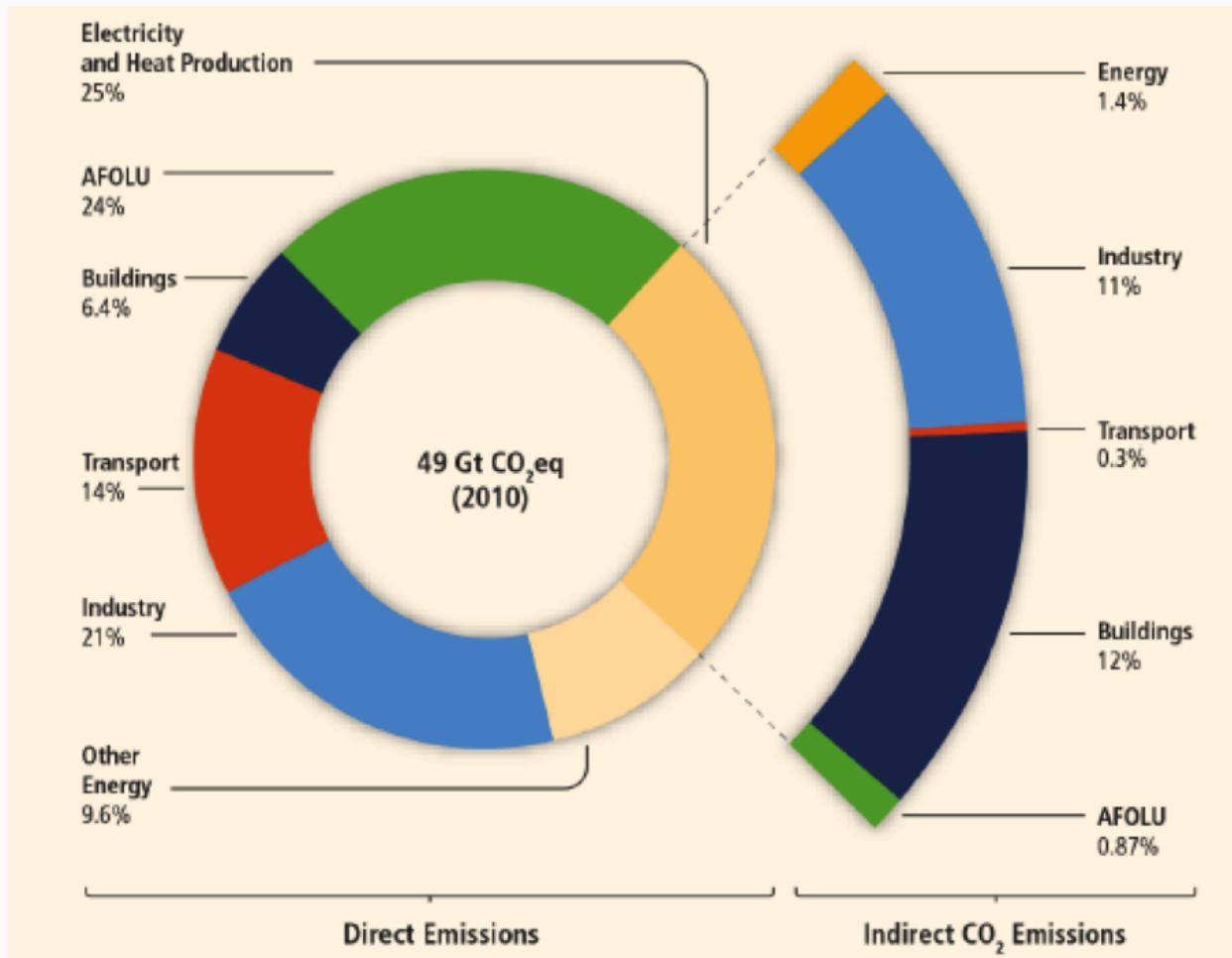
I. Reducing emissions from deforestation

II. Reducing emissions from forest degradation

V. Enhancement of forest carbon stocks

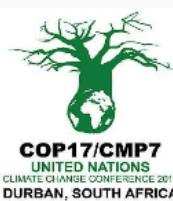
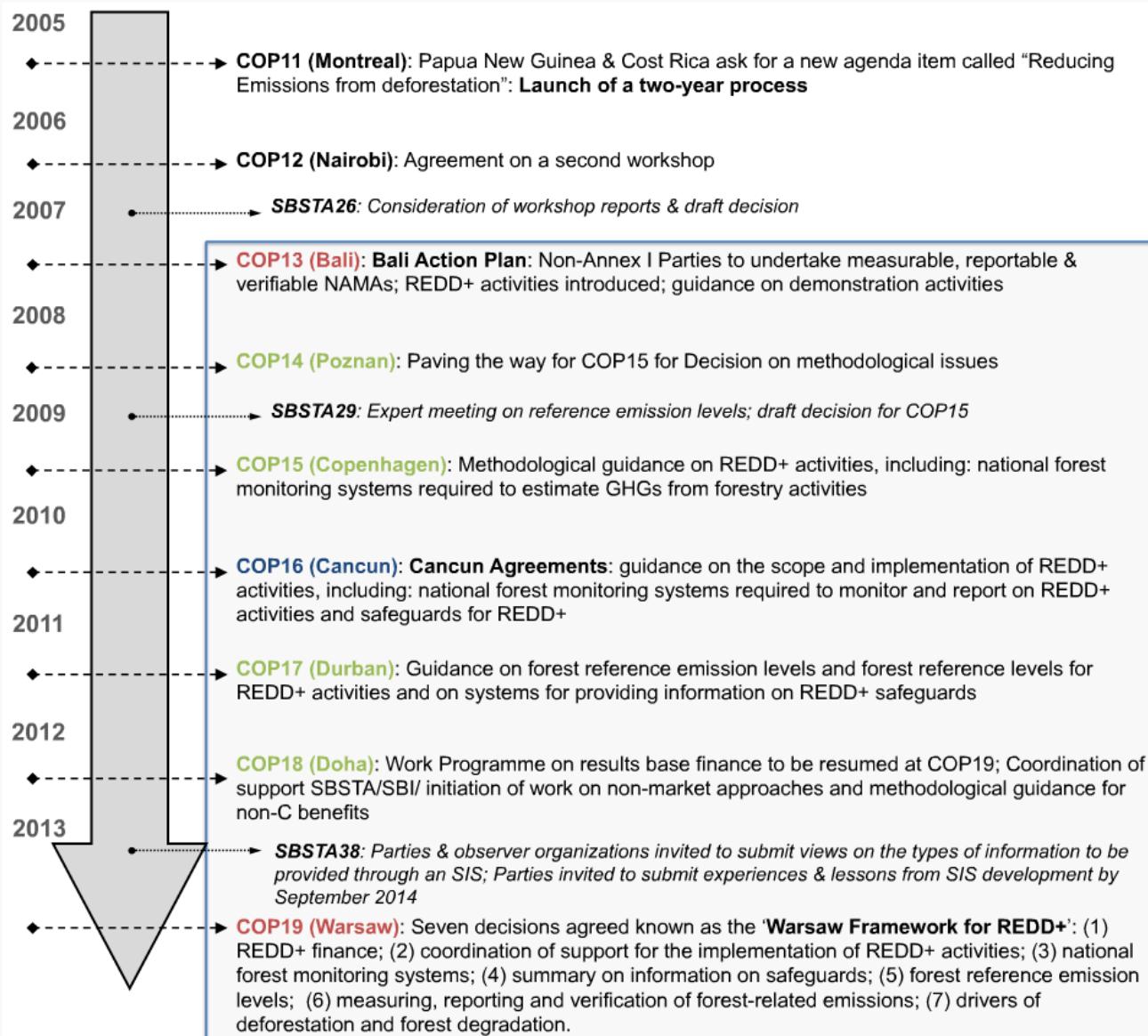


Contributions from Agriculture, Forestry and Other Land Uses (AFOLU)



Working Group III contribution to PCC AR5

The decision making process: 196 parties



DOHA 2012
UN CLIMATE CHANGE CONFERENCE
COP18·CMP8



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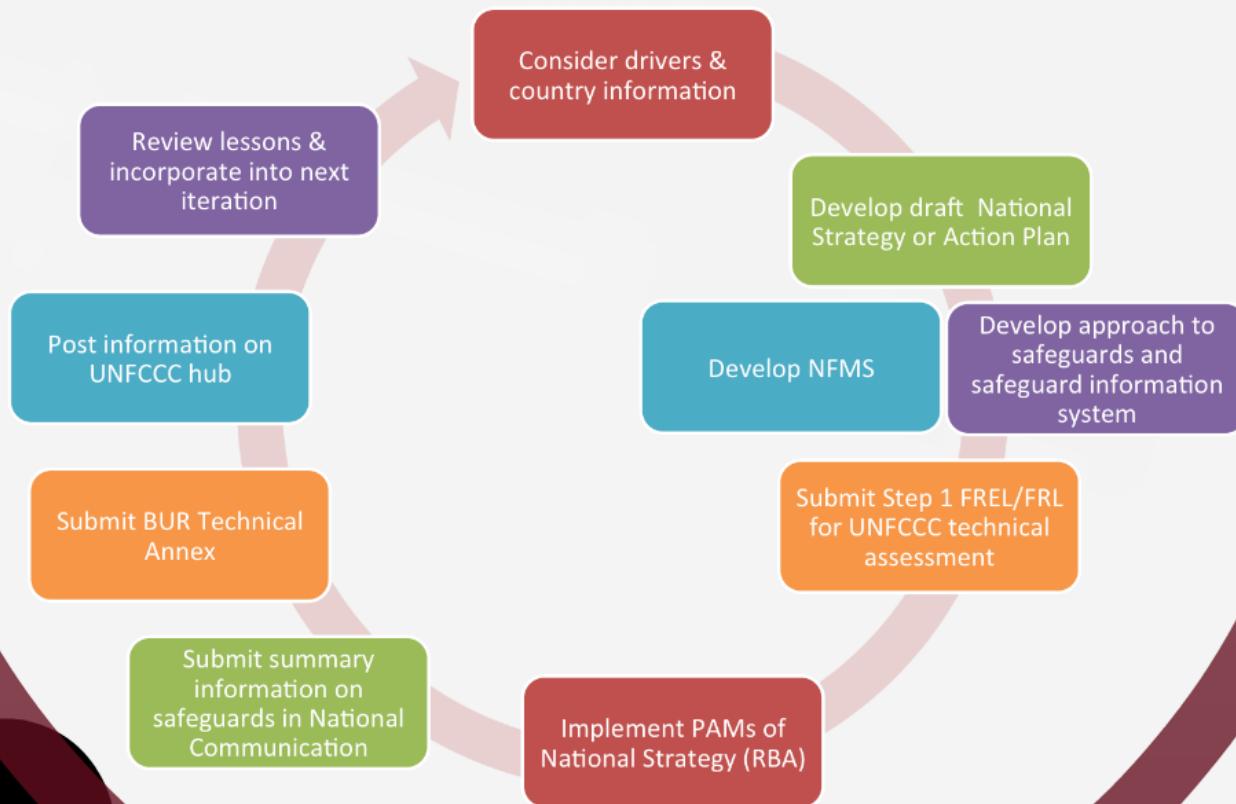
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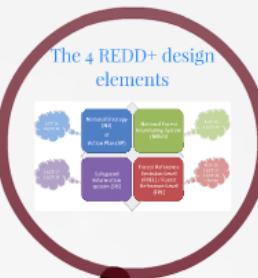
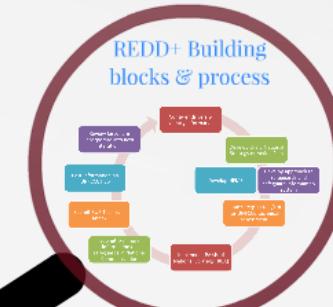
The 4 REDD+ design elements



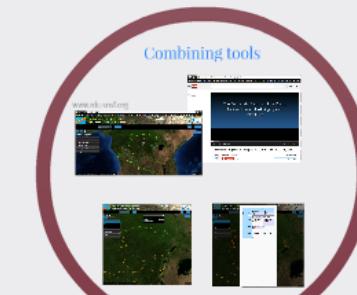
REDD+ Building blocks & process



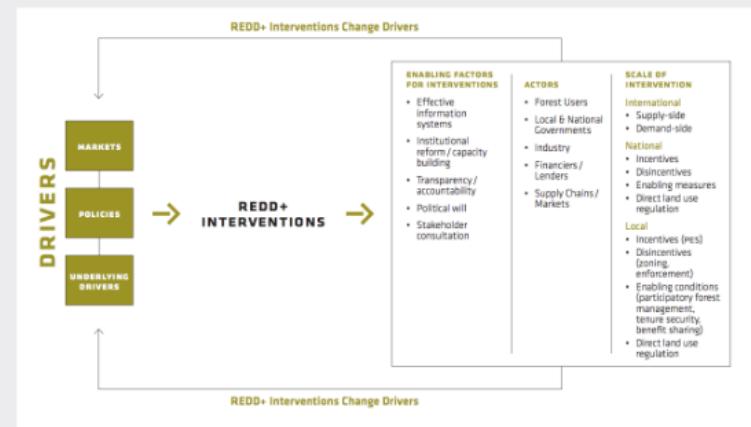
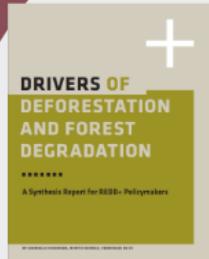
Introduction to REDD+



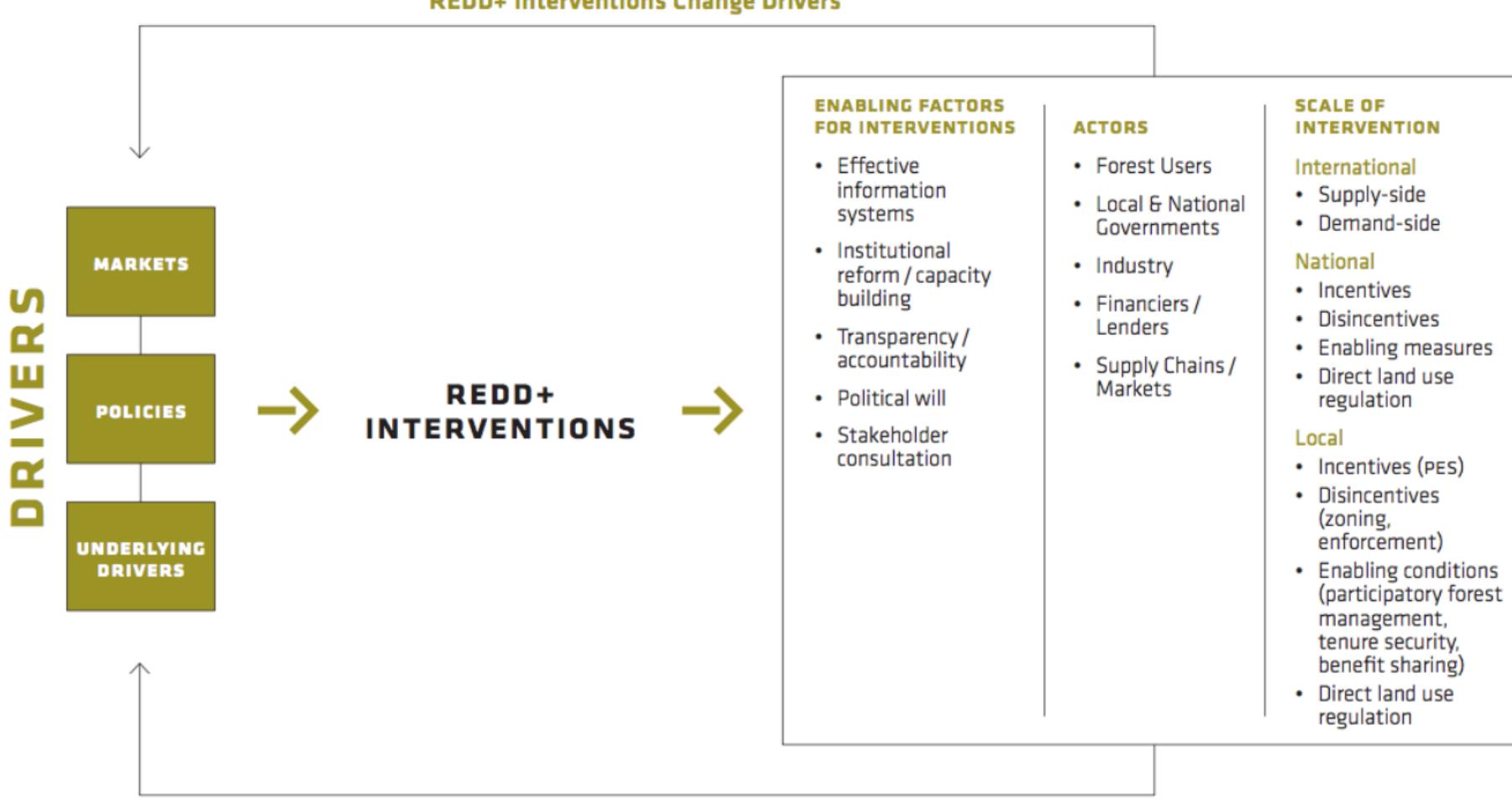
Drivers of Deforestation and Forest Degradation

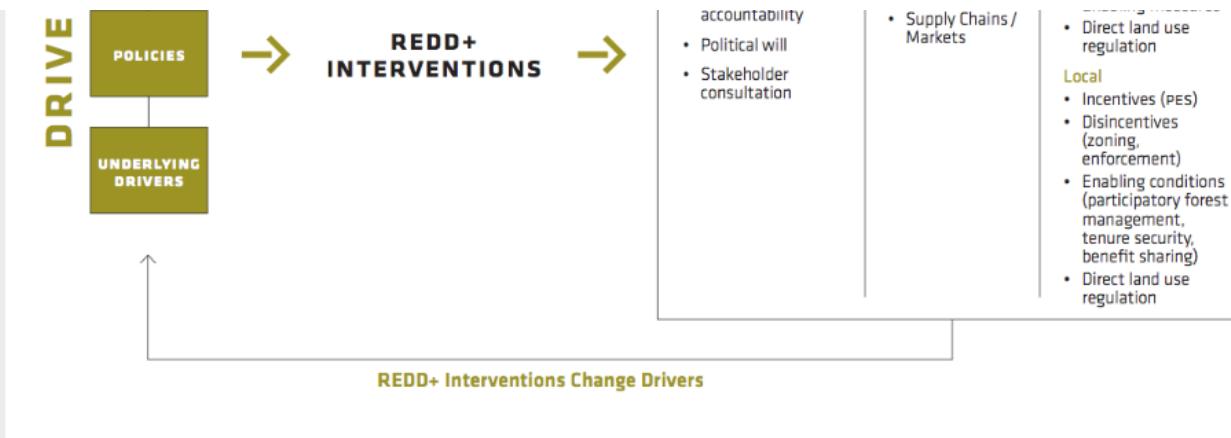


DDFD - at the very heart of REDD+



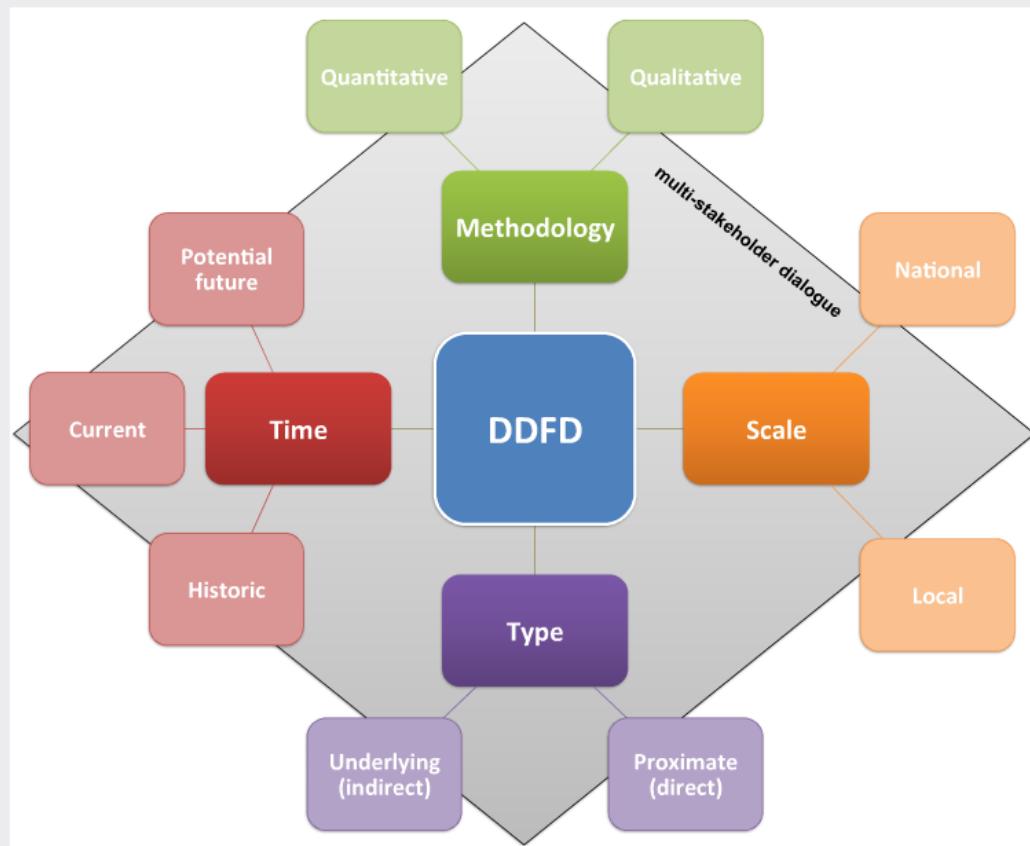
Addressing the underlying factors is crucial to determine whether direct driver interventions will succeed in achieving the emissions reductions intended.





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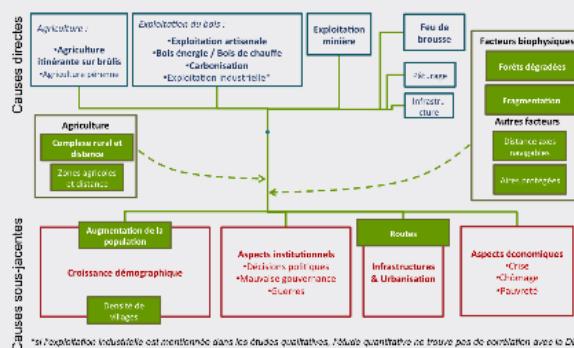
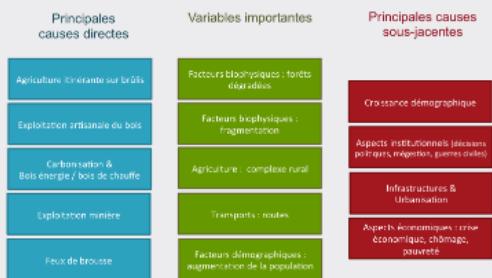
Assessing DDFD



Country Example: Democratic Republic of Congo



lolokeyacongo.wordpress.com



Plus la cause est perçue comme importante, plus la taille du rectangle est grande





Backyard Processing of Palm Oil by an Ikengo Household

Principales causes directes

Agriculture itinérante sur brûlis

Exploitation artisanale du bois

Carbonisation &
Bois énergie / bois de chauffe

Exploitation minière

Feux de brousse

Variables importantes

Facteurs biophysiques : forêts dégradées

Facteurs biophysiques : fragmentation

Agriculture : complexe rural

Transports : routes

Facteurs démographiques : augmentation de la population

Principales causes sous-jacentes

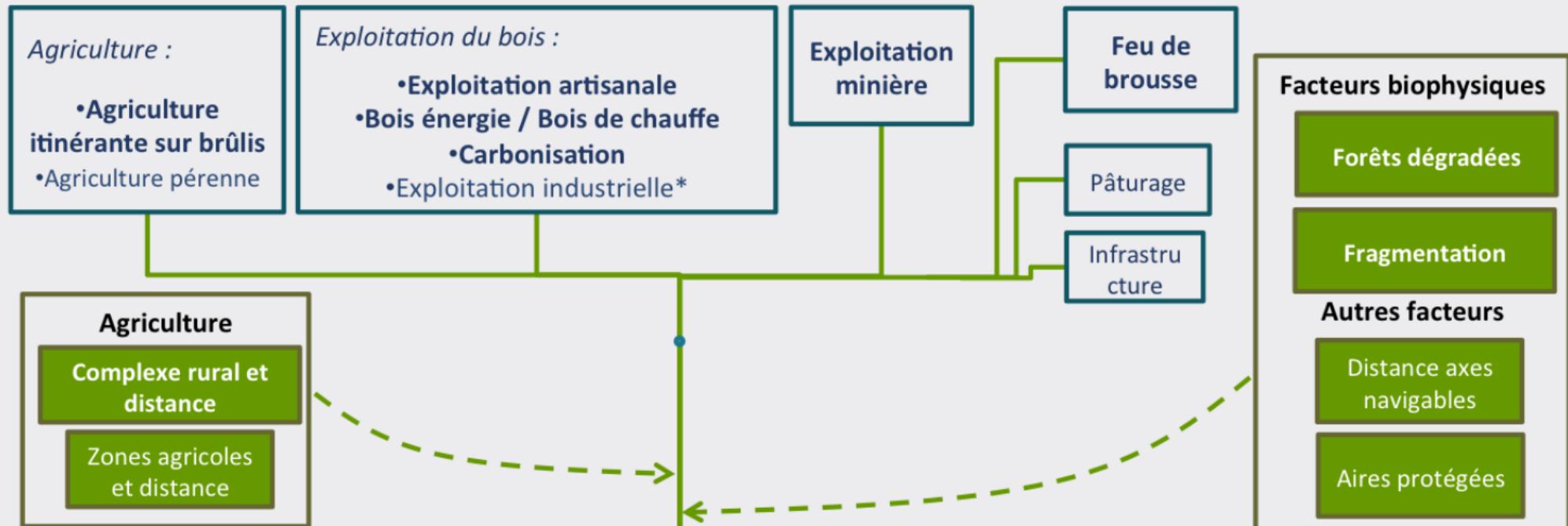
Croissance démographique

Aspects institutionnels (décisions politiques, mégestion, guerres civiles)

Infrastructures & Urbanisation

Aspects économiques : crise économique, chômage, pauvreté

Causes directes



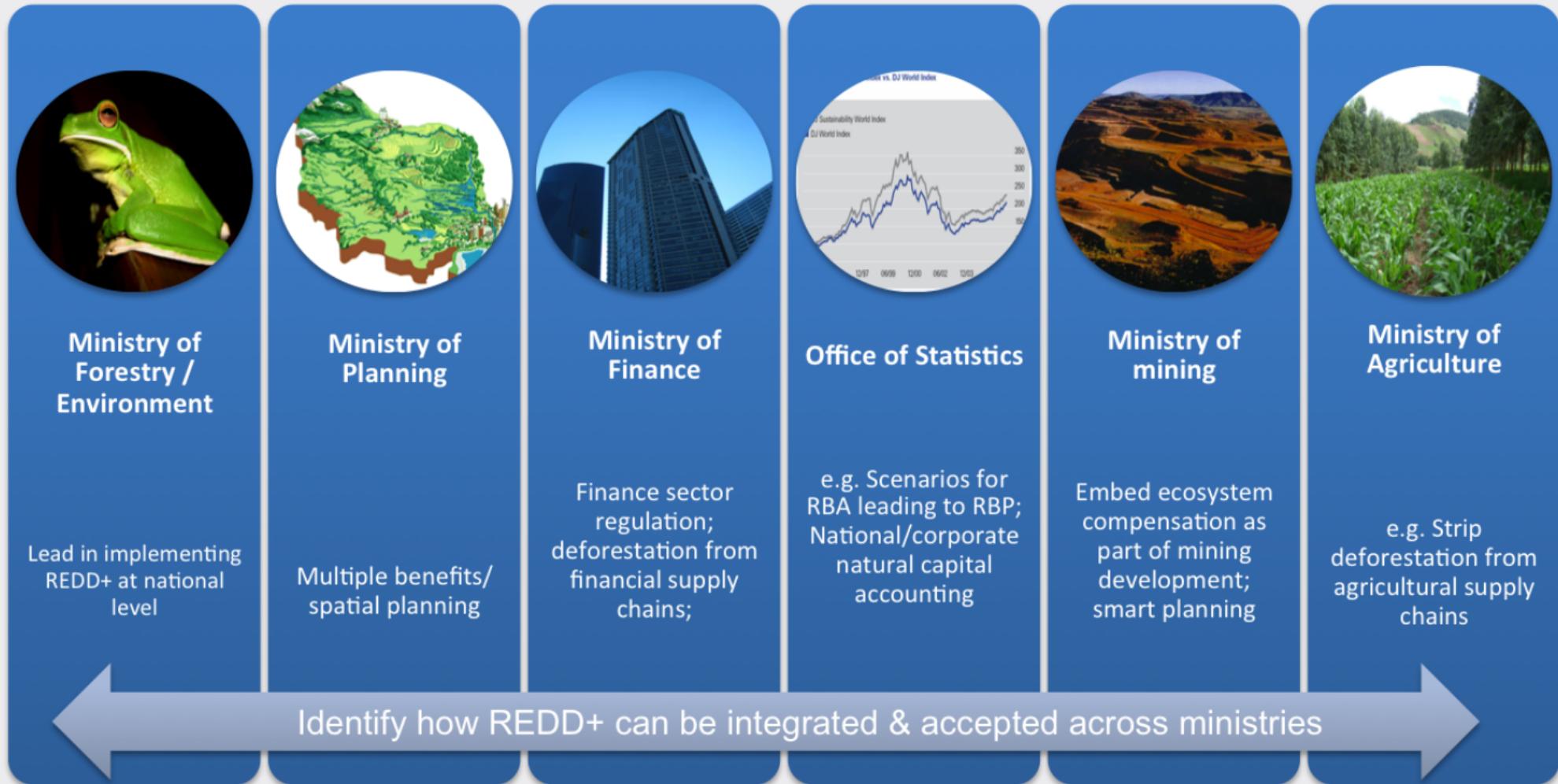
Causes sous-jacentes



*si l'exploitation industrielle est mentionnée dans les études qualitatives, l'étude quantitative ne trouve pas de corrélation avec la DD

Plus la cause est perçue comme importante, plus la taille du rectangle est grande

Need for a cross-sectoral approach





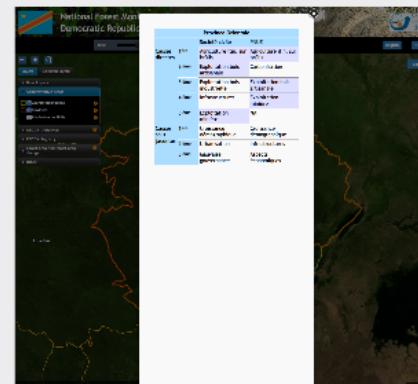
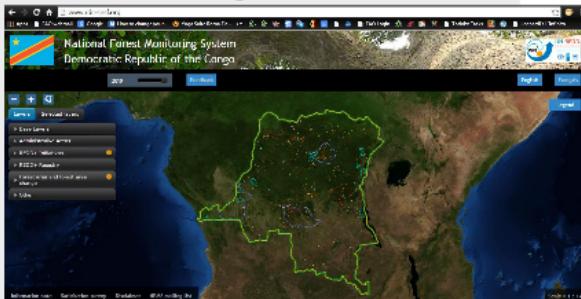
**Stratégie-cadre nationale REDD
de la République Démocratique du Congo**

Version 3



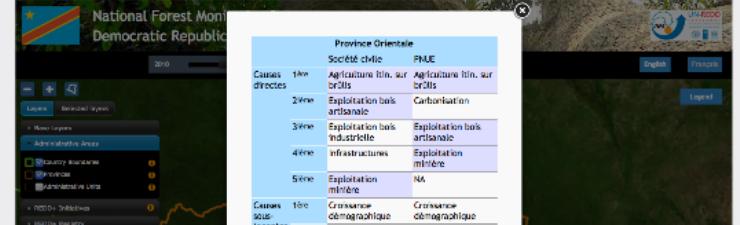
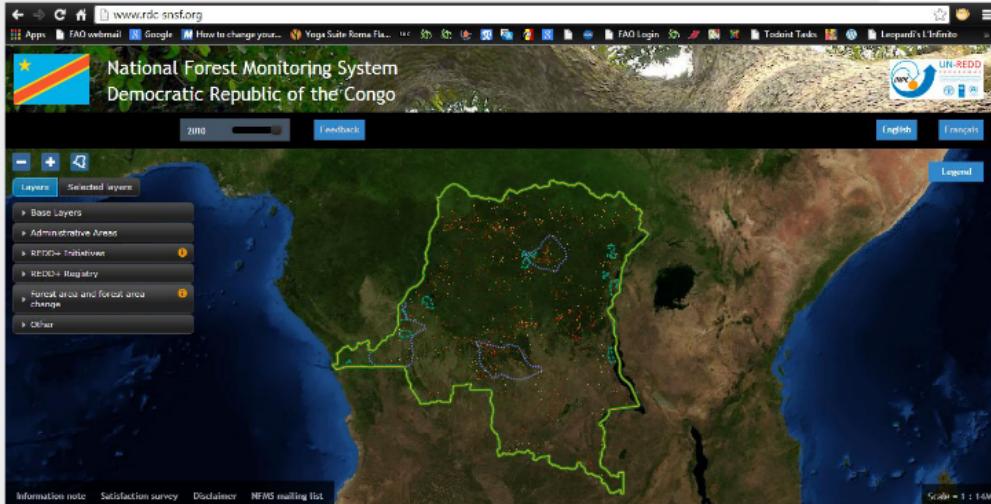
Combining tools

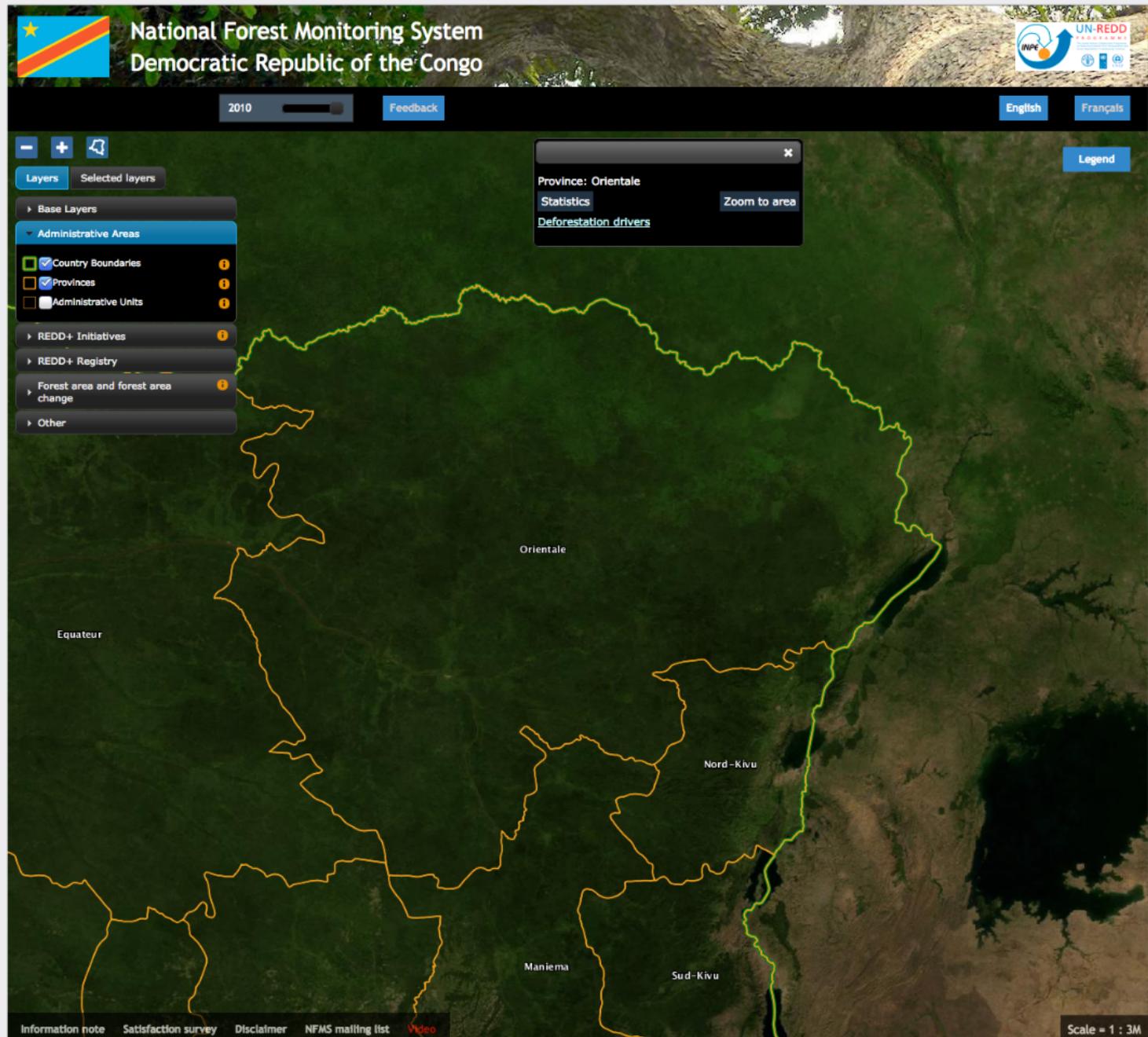
www.rdc-snsf.org

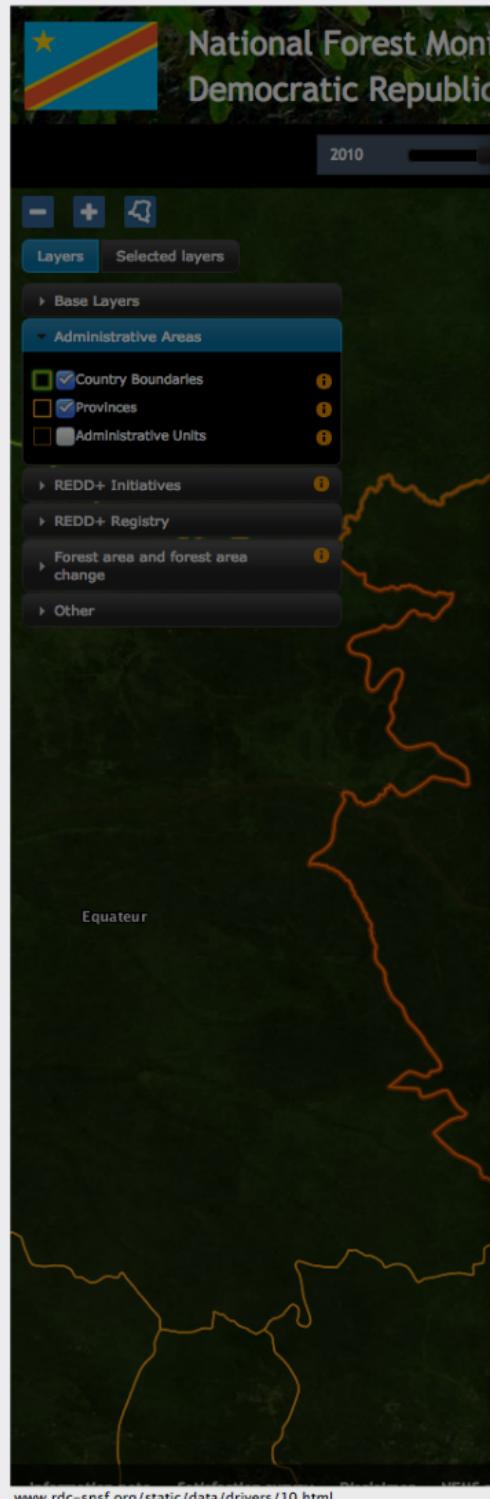


Combining tools

www.rdc-snsf.org







Province Orientale

Causes directes	1ère	Société civile	PNUE
		Agriculture itin. sur brûlis	Agriculture itin. sur brûlis
	2ième	Exploitation bois artisanale	Carbonisation
	3ième	Exploitation bois industrielle	Exploitation bois artisanale
	4ième	Infrastructures	Exploitation minière
	5ième	Exploitation minière	NA
Causes sous-jacentes	1ère	Croissance démographique	Croissance démographique
	2ième	Urbanisation	Infrastructures
	3ième	Mauvaise gouvernance	Aspects économiques

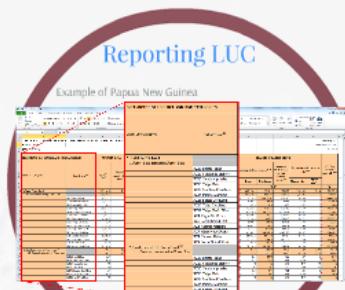
VIDEO



Drivers of Deforestation and Forest Degradation



Assessing Land-use Change



Managed & Un-managed land

'affected by human activity'



Land-use categories & reporting



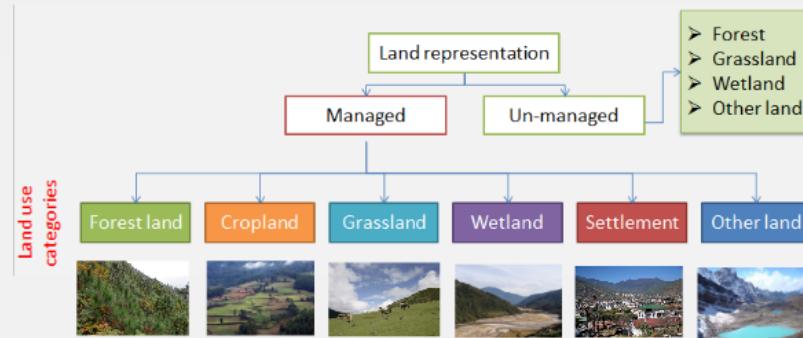
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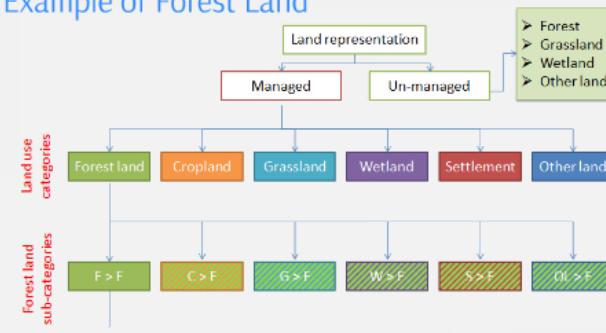




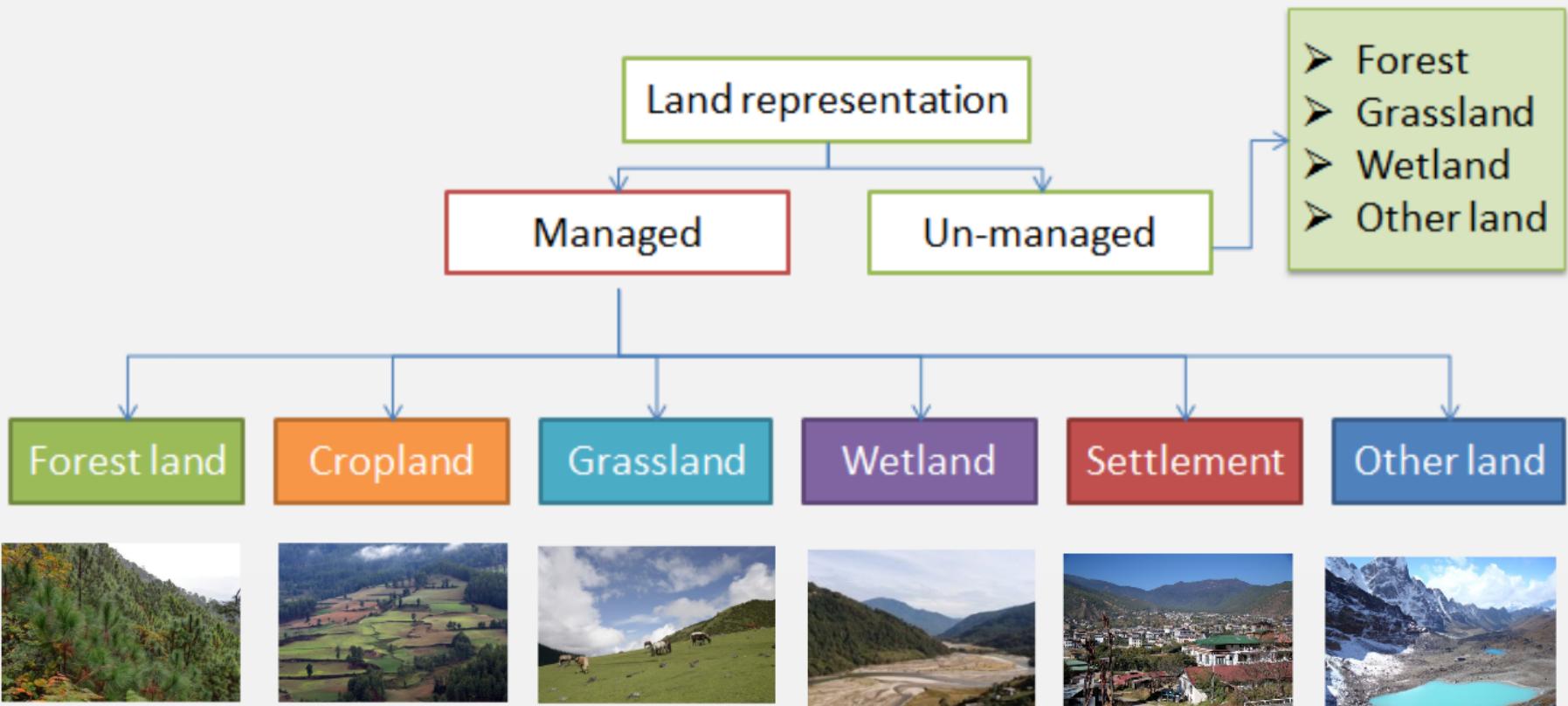
Land-use categories & reporting



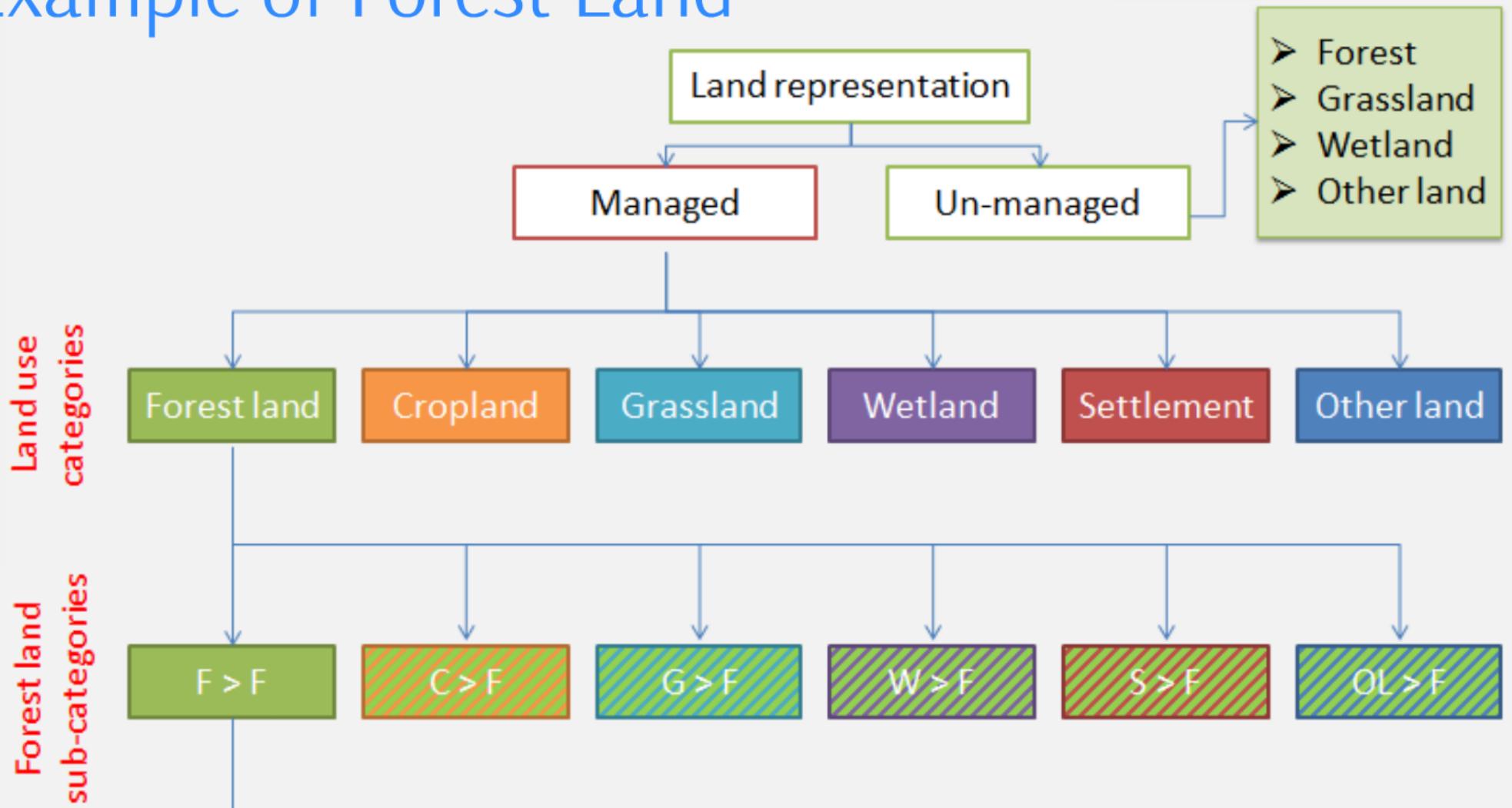
Example of Forest Land



Land use categories

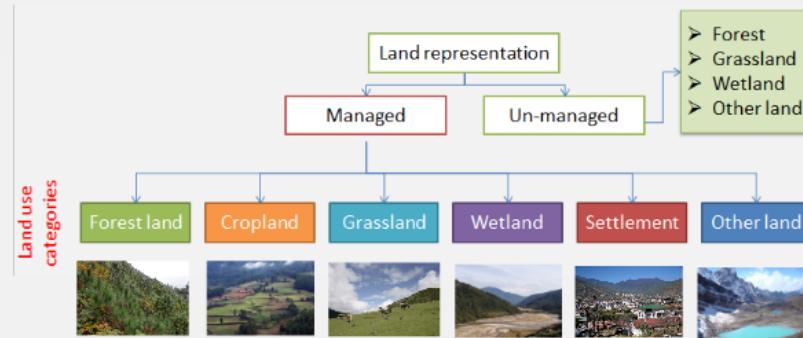


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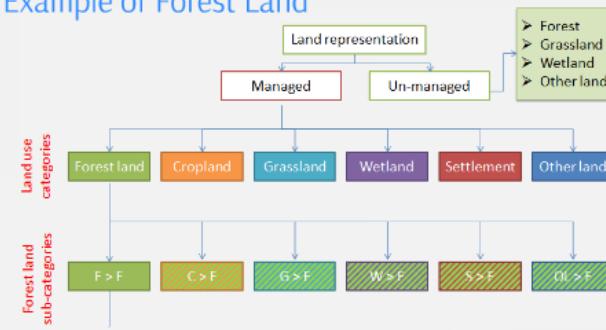




Land-use categories & reporting



Example of Forest Land



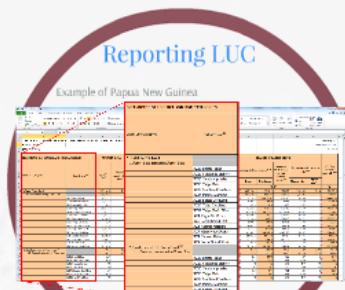
Reporting LUC

Example of Papua New Guinea

The image shows a Microsoft Excel spreadsheet with three tabs visible:

- TABLE 5.A SECTORAL BACKGROUND DATA FOR LAND USE, LAND-COVER AND GREENHOUSE GAS EMISSIONS AND REMOVALS:** This tab contains data for Forest Land. A red box highlights the "GREENHOUSE GAS SOURCE AND SINK CATEGORIES" section, which includes columns for Land-Use Category, Sub-division⁽¹⁾, Area⁽²⁾ (kha), and Area of organic soils⁽²⁾ (kha).
- GREENHOUSE GAS SOURCE AND SINK CATEGORIES:** This tab provides a detailed breakdown of land-use categories and their sub-divisions, such as Forest Land remaining Forest Land and Land converted to Forest Land.
- CHANGES IN CARBON STOCK:** This tab shows changes in carbon stock across various regions and soil types, including Mineral soils and Organic soils, with columns for Losses, Net change, and Net CO₂ emissions/removals (Gg).

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Land-use categories & reporting



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