



# NATIONAL FOREST MRV SYSTEMS WITH A REGIONAL APPROACH FOR THE CONGO BASIN COUNTRIES:

## FAO-UN REDD and INPE proposal



**UN-REDD**  
PROGRAMME

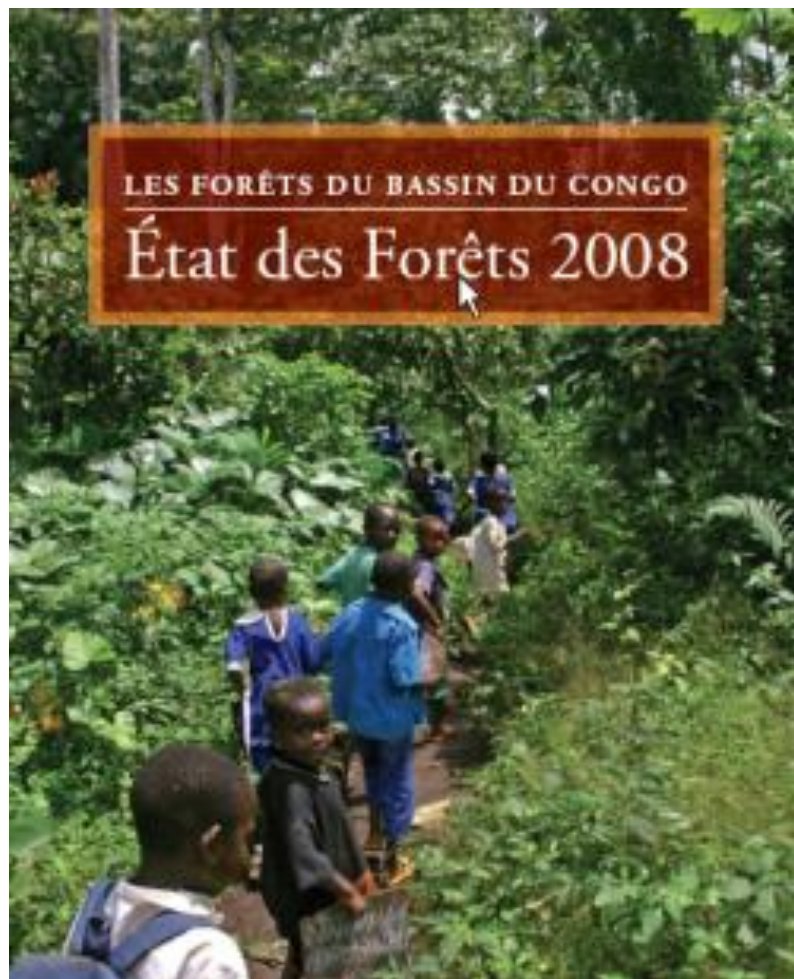


MINISTÉRIO DA CIÊNCIA E TECNOLOGIA  
INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS



# Observatoire des Forêts d'Afrique Centrale

*Des connaissances au service de tous*

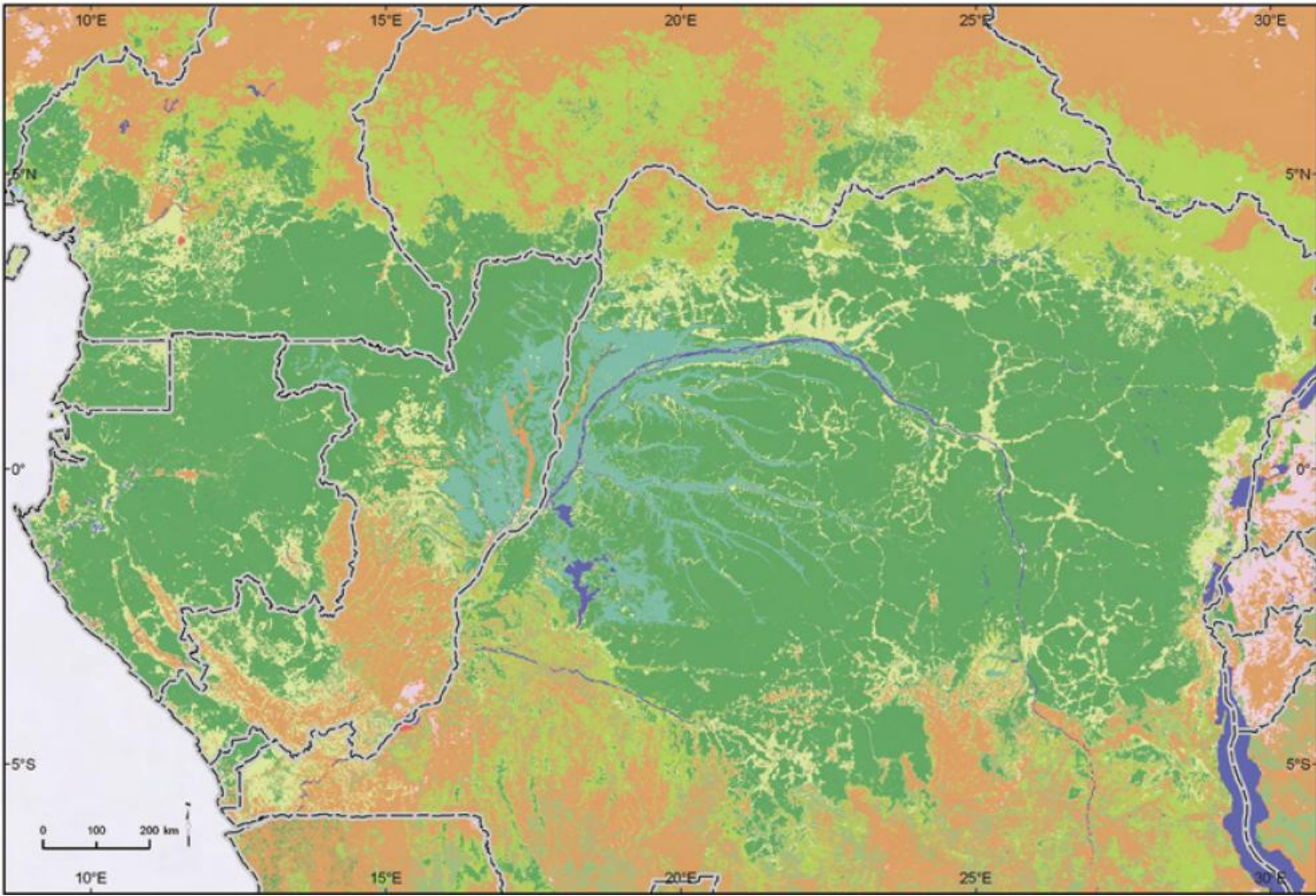


**UN-REDD**  
PROGRAMME

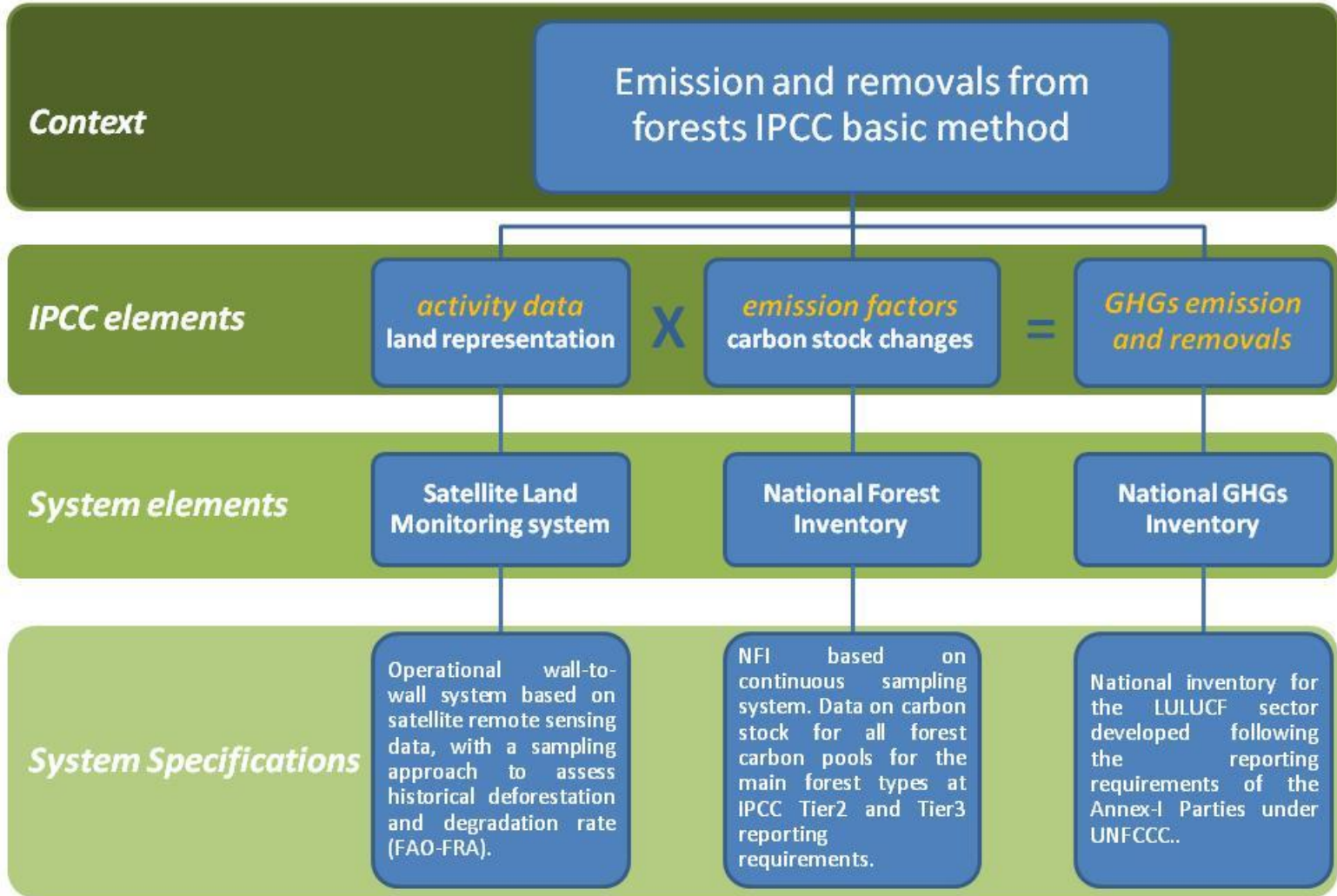


MINISTÉRIO DA CIÊNCIA E TECNOLOGIA  
**INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS**

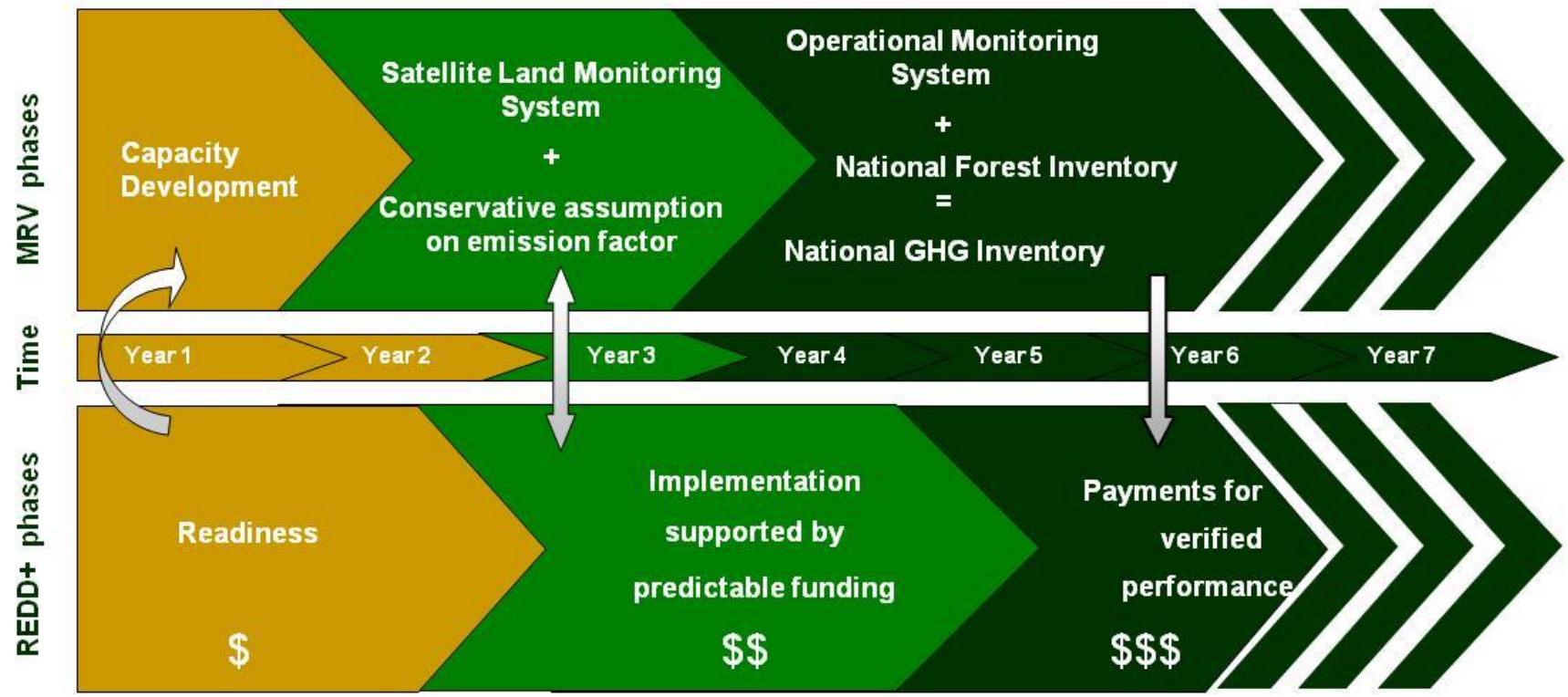
# Congo Basin forest map adopted by COMIFAC



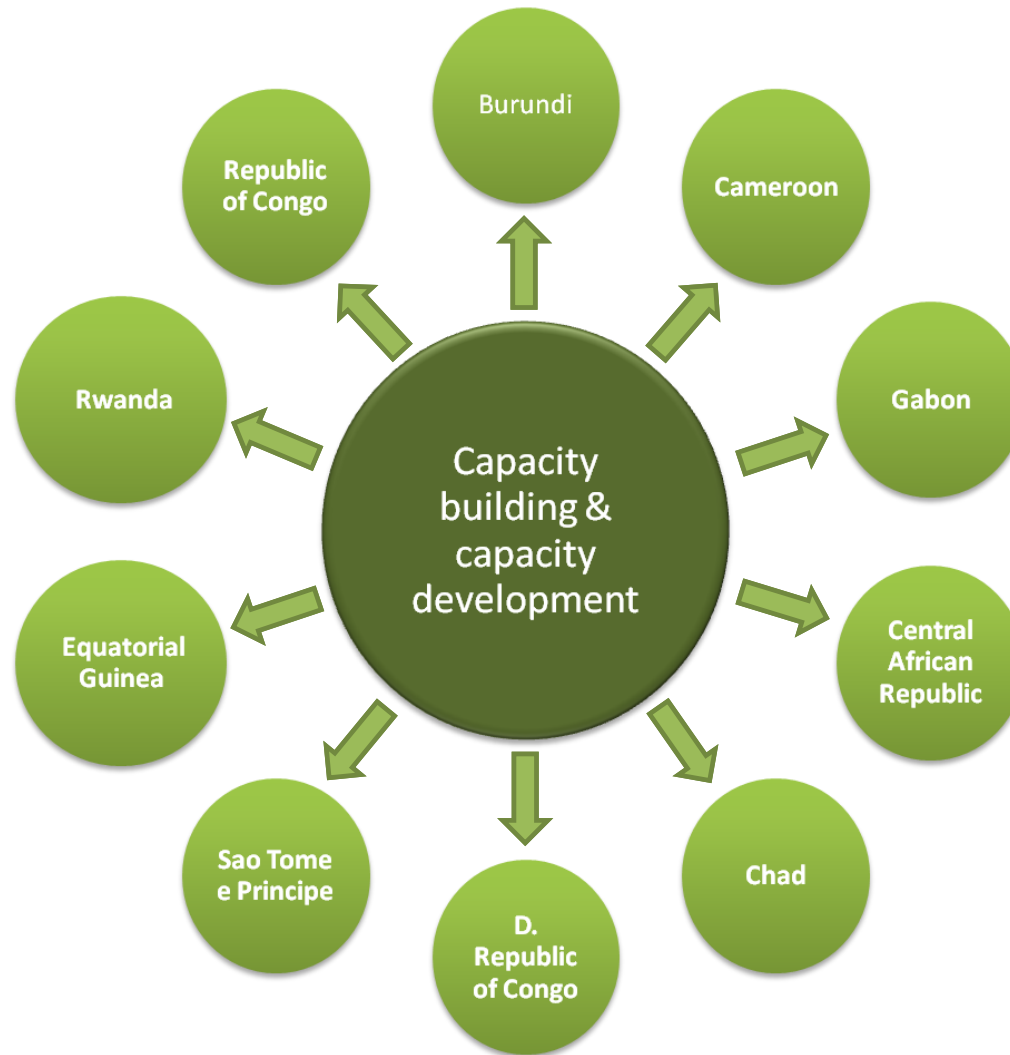
# Basic elements of the national forest MRV systems



# Interaction between MRV development and REDD+ phases



# 1<sup>st</sup> phase

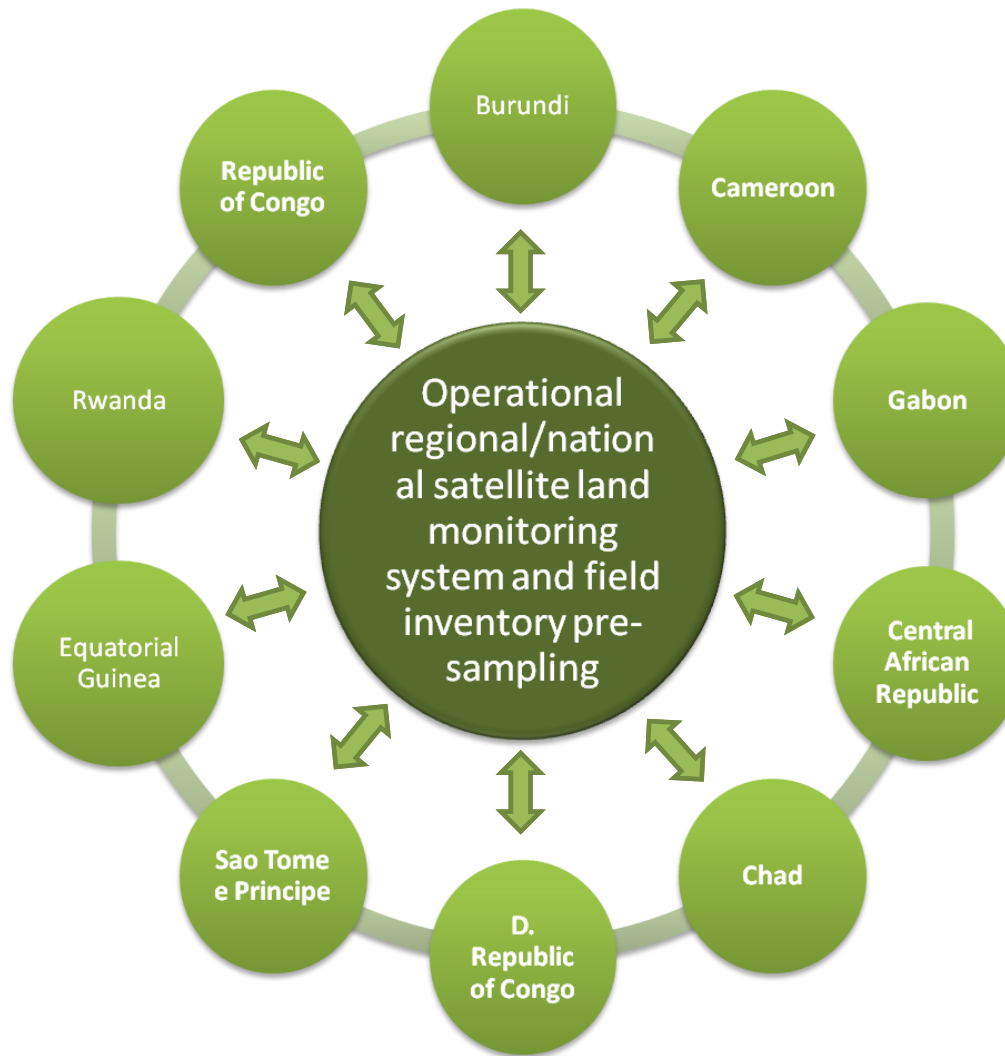


**UN-REDD**  
PROGRAMME



MINISTÉRIO DA CIÊNCIA E TECNOLOGIA  
**INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS**

# 2<sup>nd</sup> phase

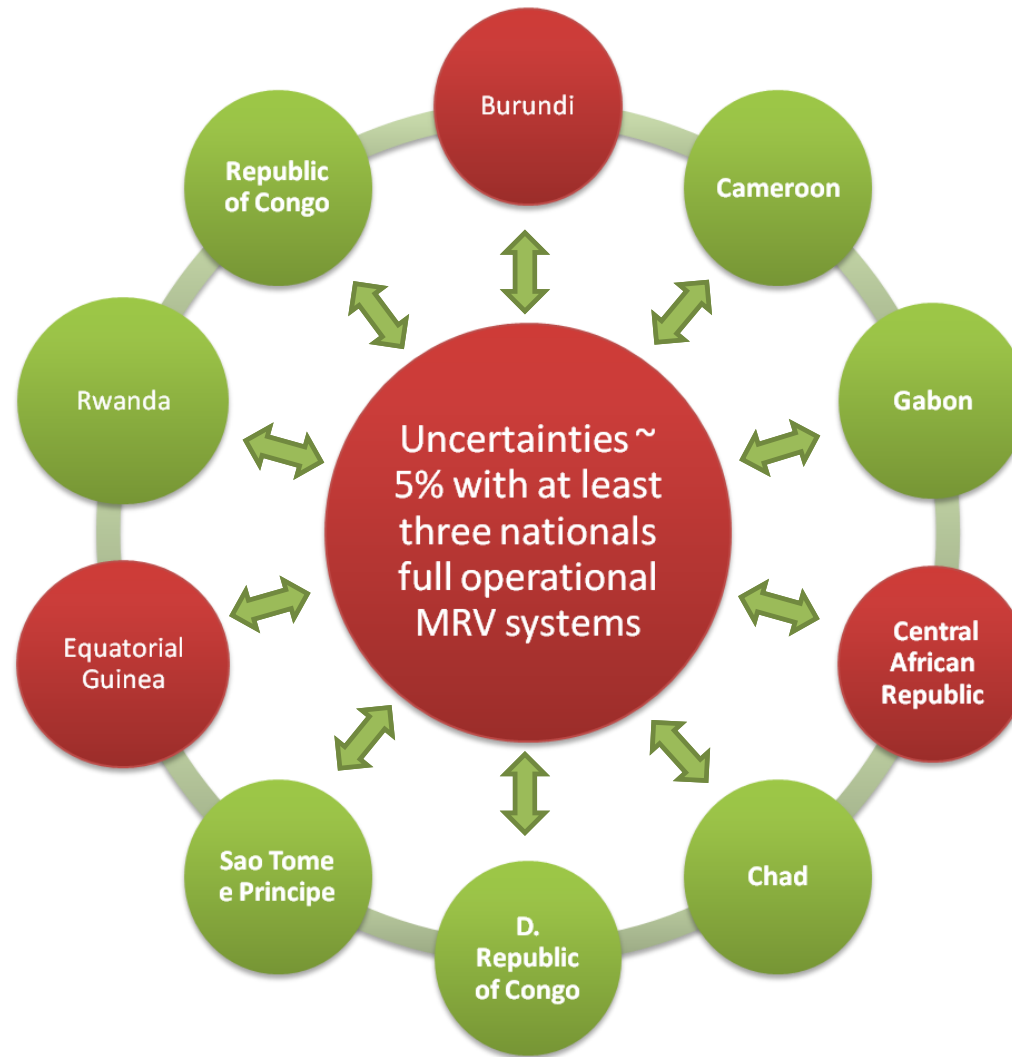


**UN-REDD**  
PROGRAMME



MINISTÉRIO DA CIÊNCIA E TECNOLOGIA  
**INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS**

# 3<sup>rd</sup> phase



**UN-REDD**  
PROGRAMME



MINISTÉRIO DA CIÊNCIA E TECNOLOGIA  
**INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS**



# Why a regional approach for national forest MRV systems

| type                            | Cameroon | Congo  | CAR    | DRC     | Gabon  | Eq. Guinea |
|---------------------------------|----------|--------|--------|---------|--------|------------|
| Lowland dense forest            | 16,468   | 14,385 | 4,615  | 83,762  | 20,983 | 1,972      |
| Sub-montane forest (900-1500m)  | 271      |        | 1      | 5,995   | 14     | 27         |
| Montane forest (>1500m)         | 18       | 0      | 0      | 955     |        | 3          |
| Swamp forest                    | 0        | 4,109  |        | 8,200   | 18     | 0          |
| Mangrove                        | 120      | 0      | 0      | 0       | 72     |            |
| Forest-cropland mosaic          | 4,501    | 5,805  | 1,816  | 21,144  | 3,120  | 624        |
| Forest-savanna mosaic           | 5,868    | 1,352  | 22,774 | 28,592  | 86     | 29         |
| Dense deciduous forest (Miombo) | 106      | 1,252  | 923    | 28,024  | 177    | 0          |
| total forest area               | 27,351   | 26,903 | 30,130 | 176,673 | 24,570 | 2,656      |

## Option: Stand-alone national systems

|            |           |           |           |           |           |           |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| # of plots | 2,000     | 2,000     | 1,500     | 3,000     | 3,000     | 1,500     |
| costs      | 4,000,000 | 4,500,000 | 3,000,000 | 6,000,000 | 6,000,000 | 3,000,000 |

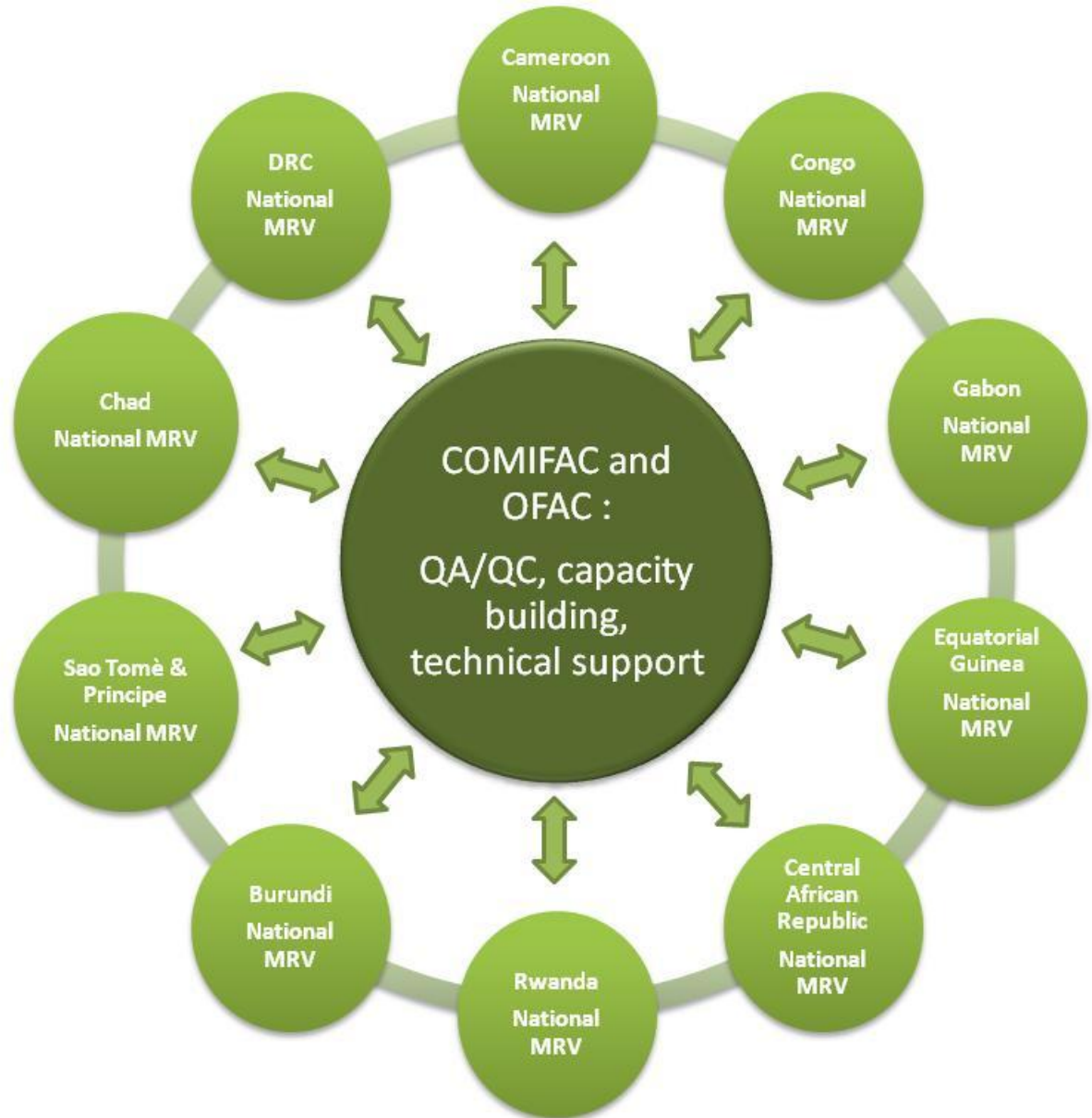
## Option: National systems with regional approach

|            |           |           |           |           |           |           |
|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| # of plots | 1,250     | 1,000     | 1,000     | 1,500     | 1,000     | 500       |
| costs      | 2,500,000 | 2,000,000 | 2,000,000 | 4,000,000 | 2,000,000 | 1,000,000 |

## Difference in cost

|  |           |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
|  | 1,500,000 | 2,500,000 | 1,000,000 | 4,000,000 | 4,000,000 | 2,000,000 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|

# Role of the regional institutions



# Guiding principles

1. **Country driven process**: each country has the right to establish its autonomous MRV system.
2. **Learning-by-doing approach**: the development of an MRV system has to be based on in-country human resources which will be involved in the MRV development process from the very beginning and will gradually improve skills while progressing towards its full implementation.
3. **South-south cooperation**: the proposal makes strong reference to monitoring experiences carried out in developing countries (Brazil, India, etc.) and aims at facilitating cooperation among countries of the Congo Basin region.
4. **Critical Mass**: . by pooling resources and efforts, a critical mass of people from different fields (technical, field and implementation) will be engaged in activities across countries of the region so that countries may gain from experiences and lessons learnt elsewhere.