

## Parts of Cost-Benefit/Feasibility Analysis:

### Data Needed:

#### Activity Data:

- Gross Deforestation

- Extraction rates (volume per hectare or total volume)

- Locations of logging roads, skid trails, logging decks

#### Emission Factors

- Field data on carbon impacts

- Timber log

- Incidental damage

- Infrastructure

- Regrowth after logging

### Capacity/Training Required:

- Training on carbon impact measurements

- Training in data analysis

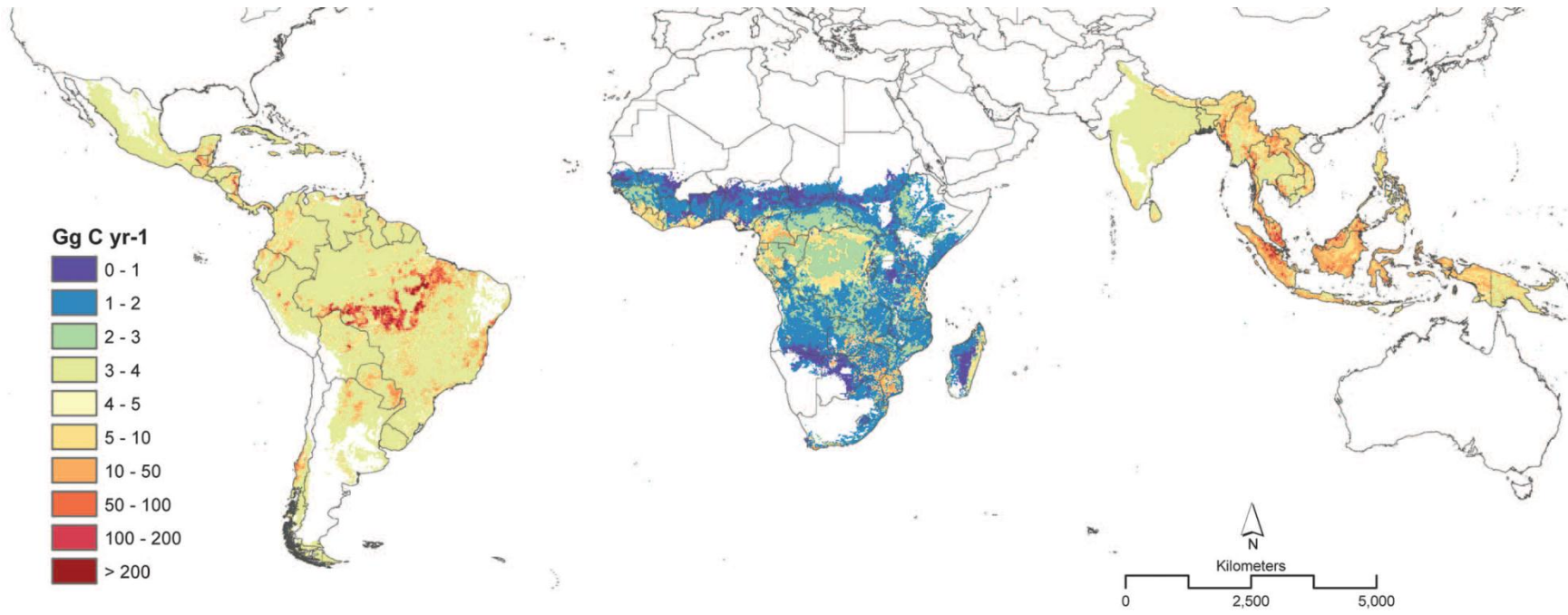
- Computer and human resources for digitization of concession locations

### MRV requirements:

- Track changes in extraction rates per concession through time

- Track any changes in timber felling practices, and update emission factors related to felling over time as needed

Estimates of Potential Carbon and other co-benefits?



Country	Forest Area 2000 (Mha)	Gross Forest Cover Loss (000 ha yr <sup>-1</sup> )			Forest Carbon Stock Density (Mg C ha <sup>-1</sup> )			Emissions from Deforestation (Tg C yr <sup>-1</sup> )		
		Low	Median	High	Low	Mean	High	Low	Median	High
Angola	49	56	126	199	46	47	49	3	6	12
Benin	2	6	12	18	29	29	29	0	0	1
Botswana	4	36	48	59	19	19	19	1	1	2
Burundi	1	0	3	7	59	64	71	0	0	1
Cote d'Ivoire	8	25	39	53	78	85	92	2	3	4
Cameroon	26	35	54	74	131	142	154	4	7	10
CAR	36	43	65	88	60	66	73	3	4	7
Chad	5	23	37	50	31	31	32	1	1	2
Dem. Rep. Congo	167	120	203	289	116	128	138	16	23	32
Equatorial Guinea	2	1	3	5	148	160	173	0	1	1
Ethiopia	16	24	68	115	49	53	58	1	4	7
Gabon	19	12	24	35	152	164	177	2	4	6
Gambia	0	0	1	2	12	12	12	0	0	0
Ghana	5	18	30	43	86	94	103	1	2	3

Harris et al. 2012 *Science*

