



sCreen

**Fast track estimation of carbon benefits
from forestry activities**

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Ecoexistence



ITTO

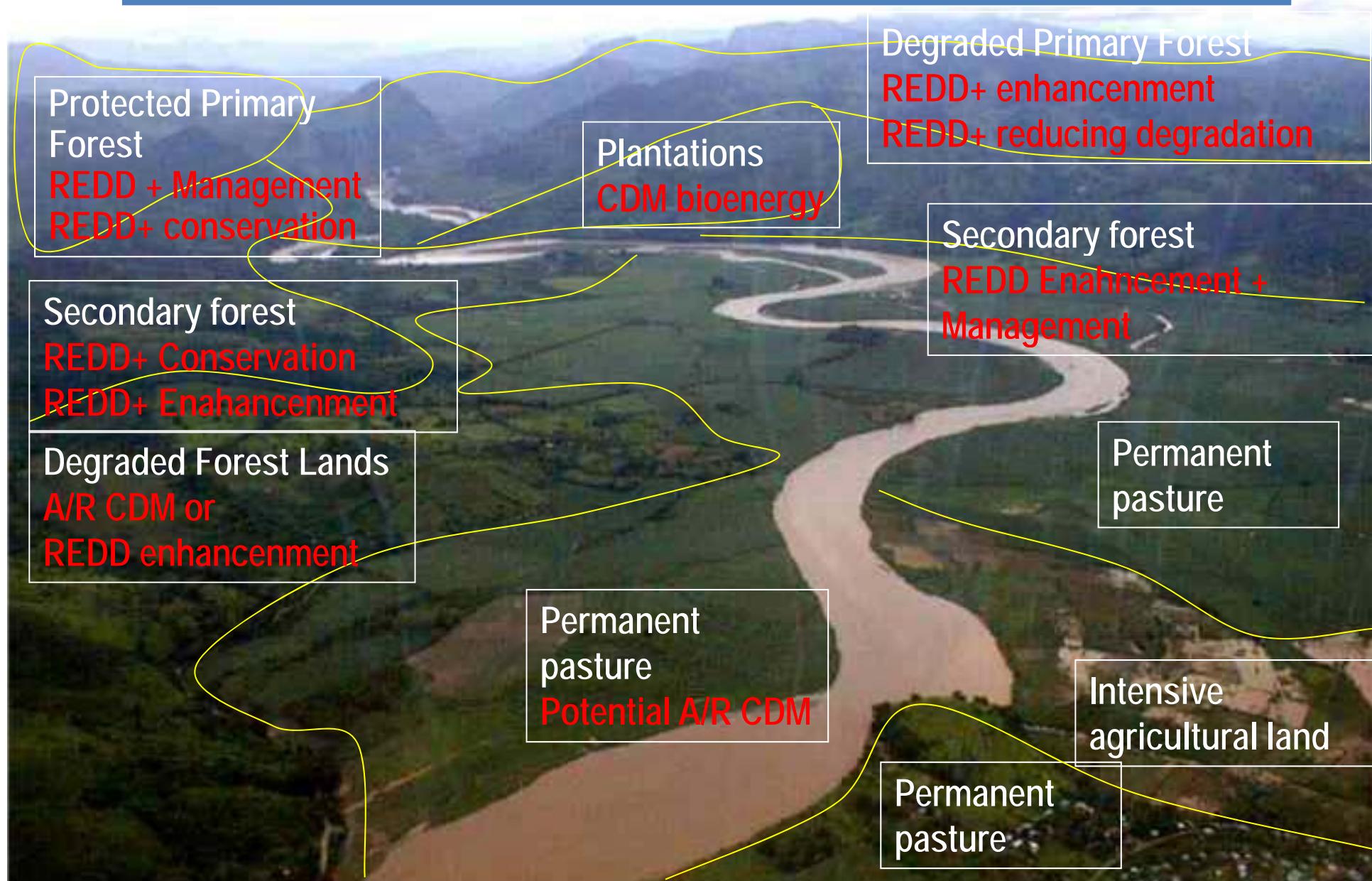
International Tropical
Timber Organization

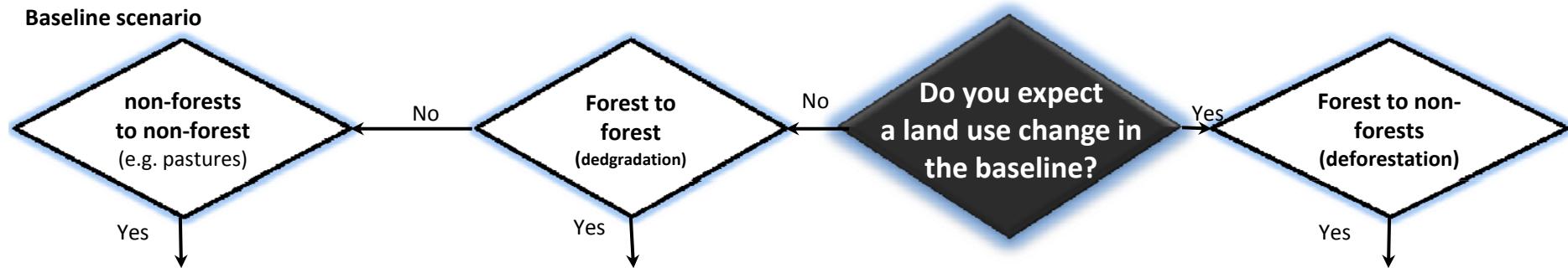
Sustaining Tropical Forests



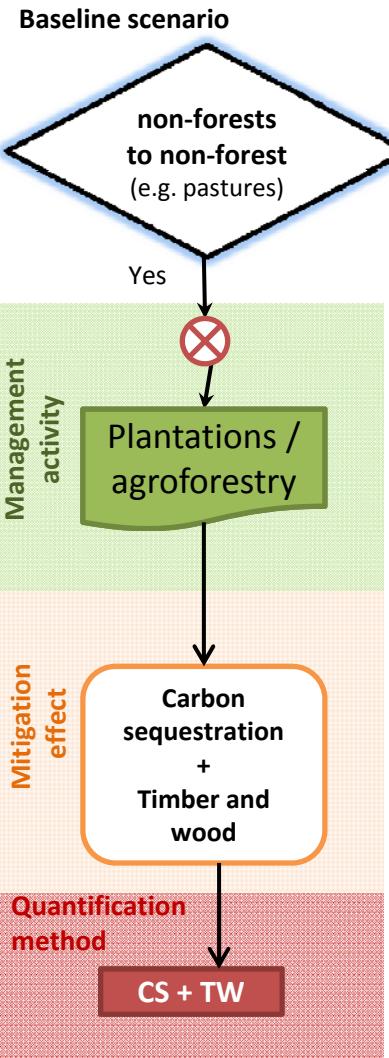
The landscape reality...

Do we really need 6 different accounting systems?





What would have happened without the intervention?
→ Expert guess for continuation of the historical trend



Baseline/RL/REL

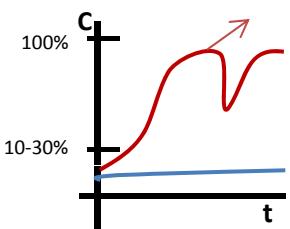


Intervention
(management activity)



Methods:

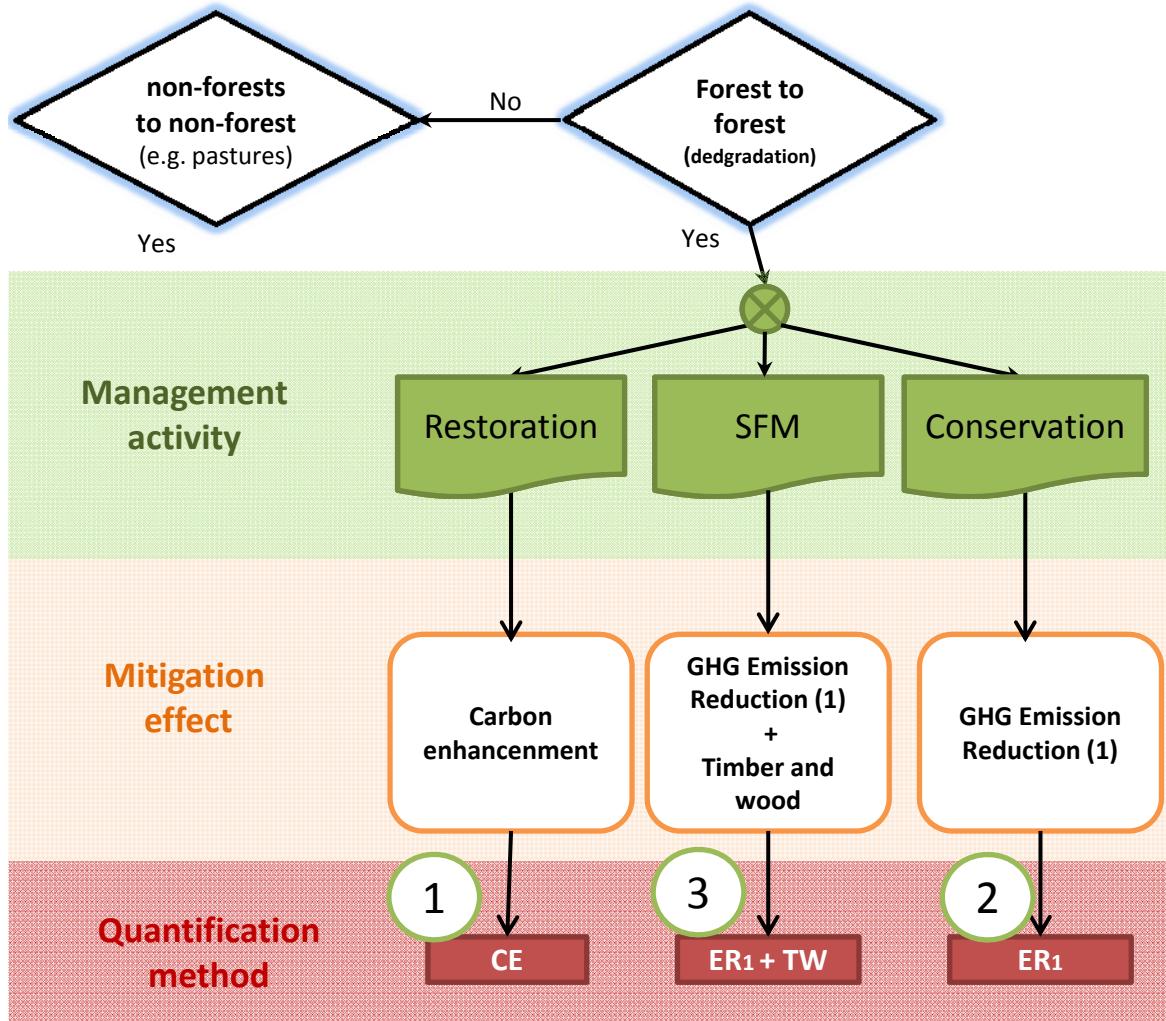
- Carbon Sequestration (CS)
- Timber and Wood products (TW)



Carbon in the baseline

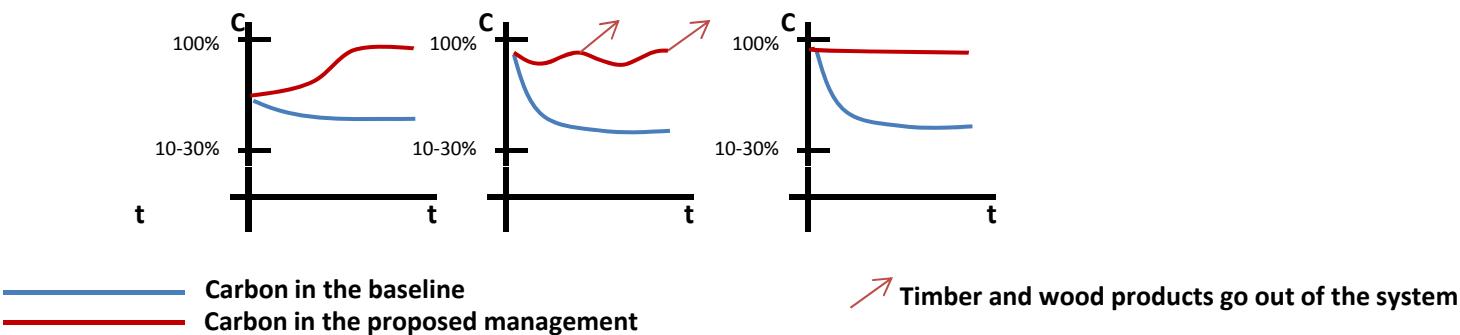
Timber and wood products go out of the system

Baseline scenario



Methods:

1. Carbon enhancement (CE)
2. GHG emission from degradation (ER1)
3. Timber and wood products (TW)



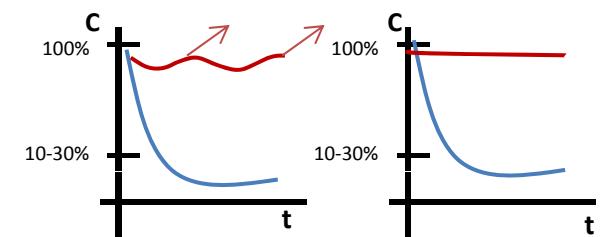
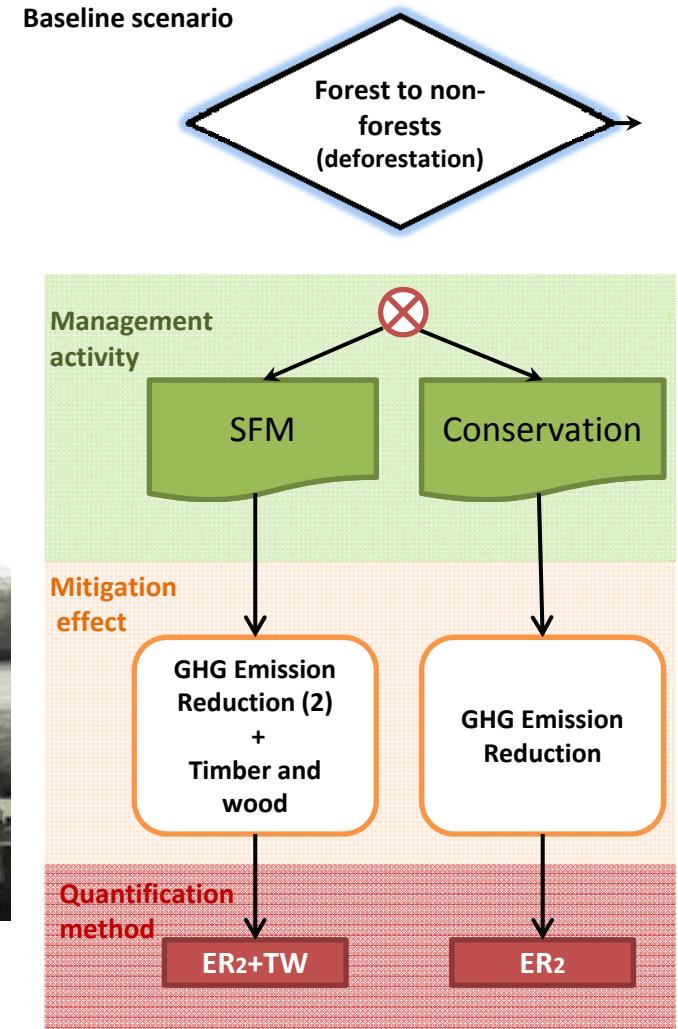


Methods:

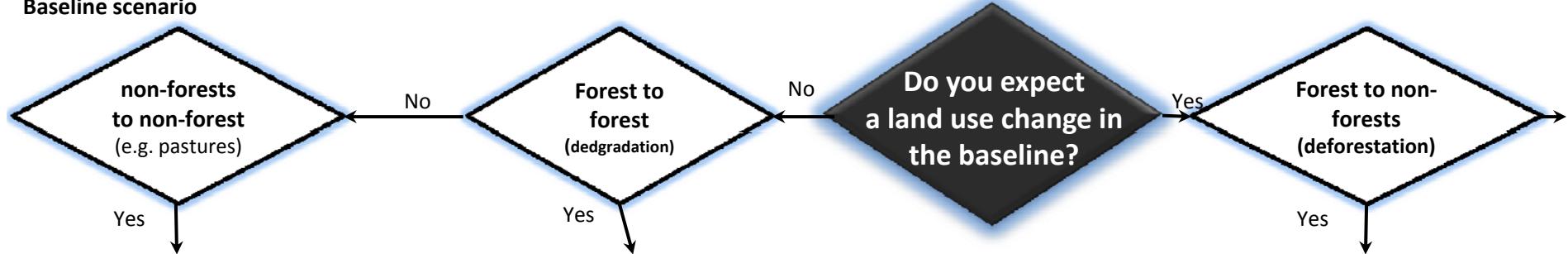
- GHG emission reduction from deforestation (ER2)
- Timber and wood products

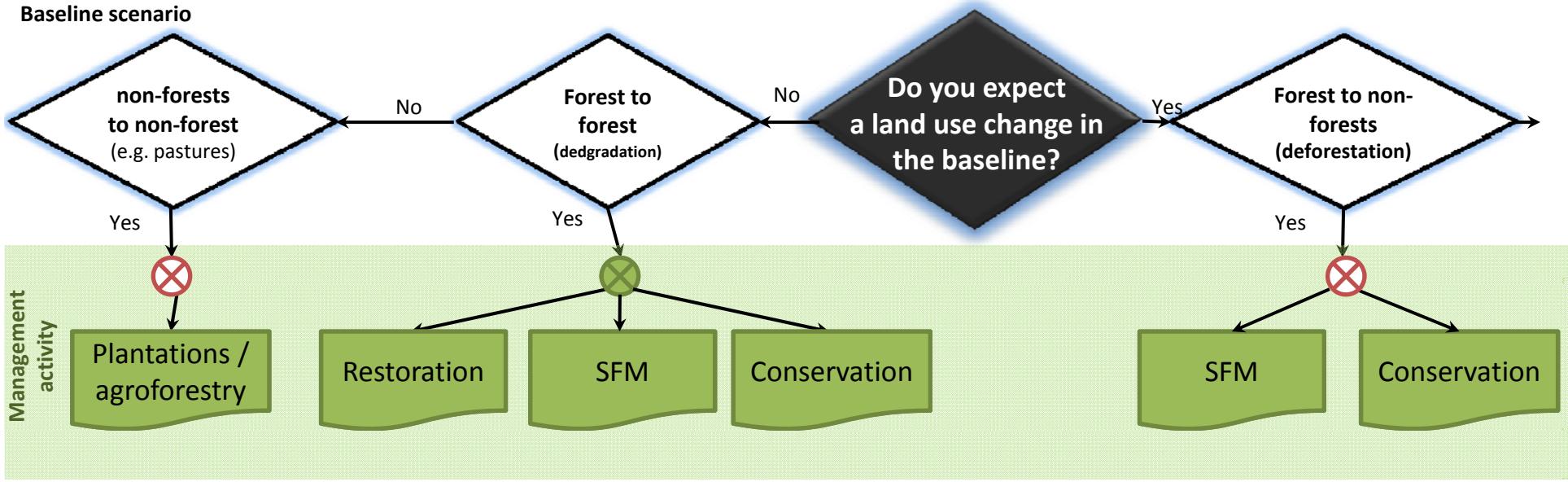
— Carbon in the baseline
— Carbon in the proposed management

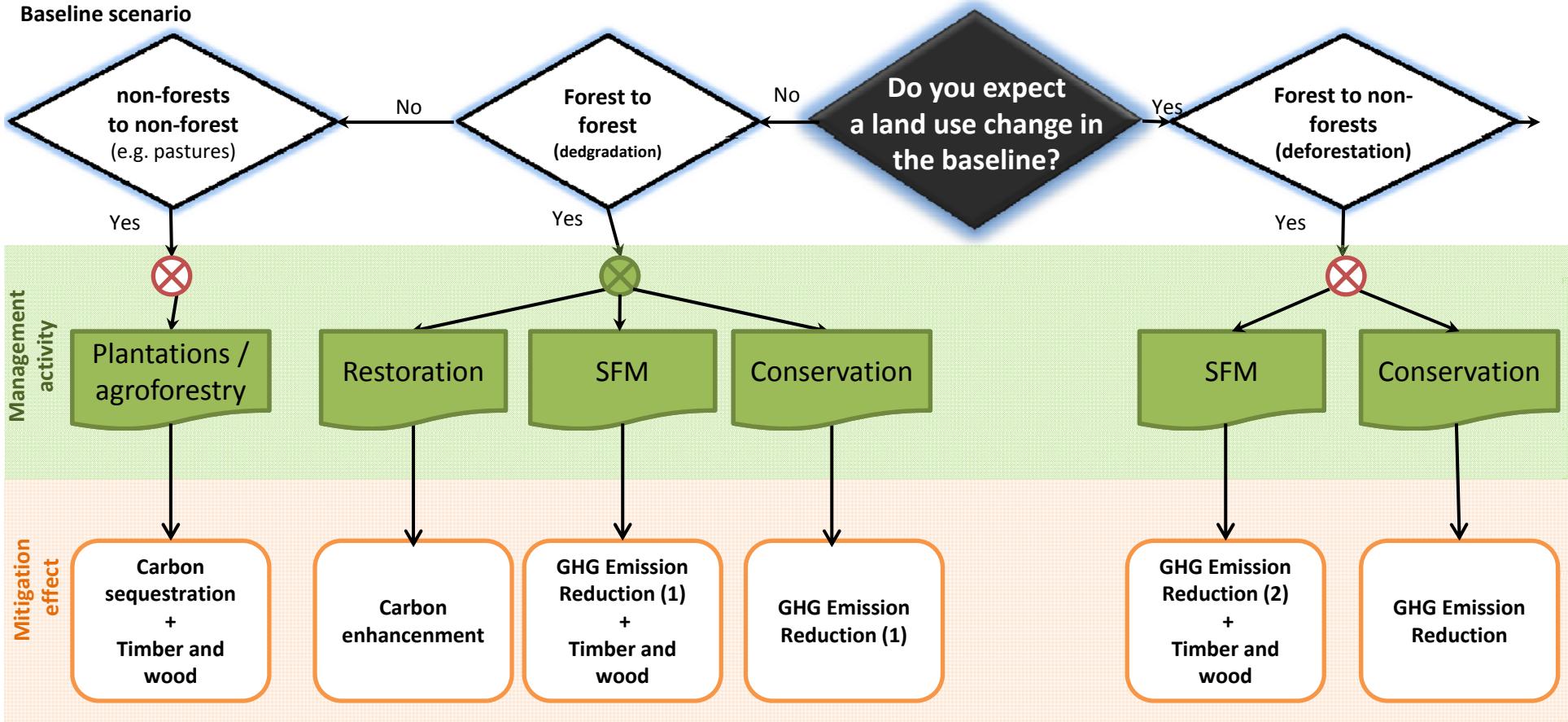
↗ Timber and wood products go out of the system

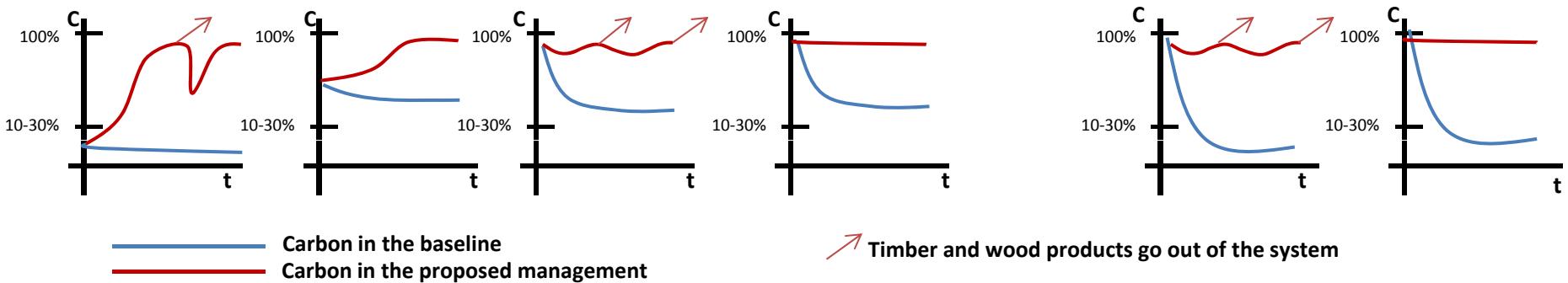
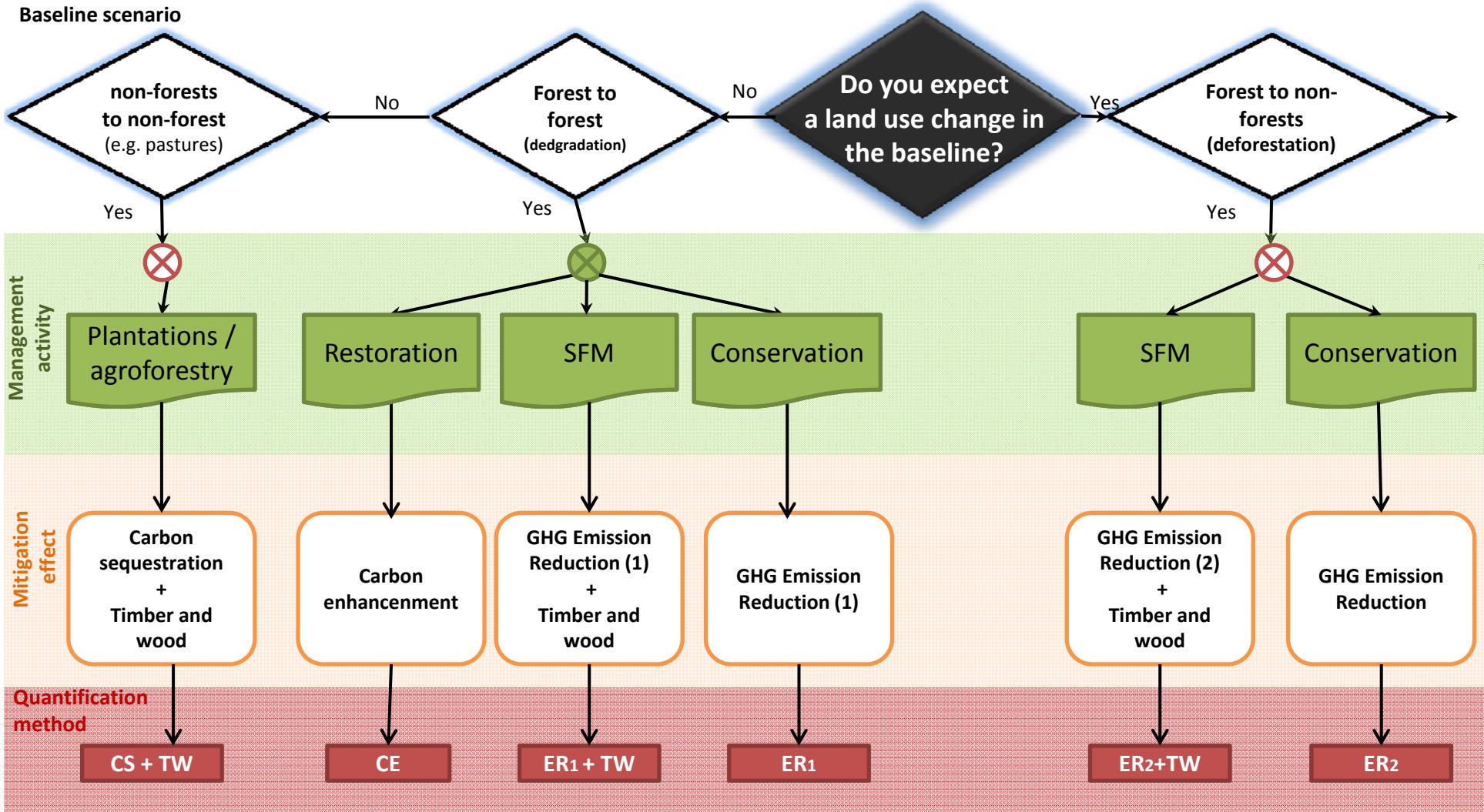


Baseline scenario









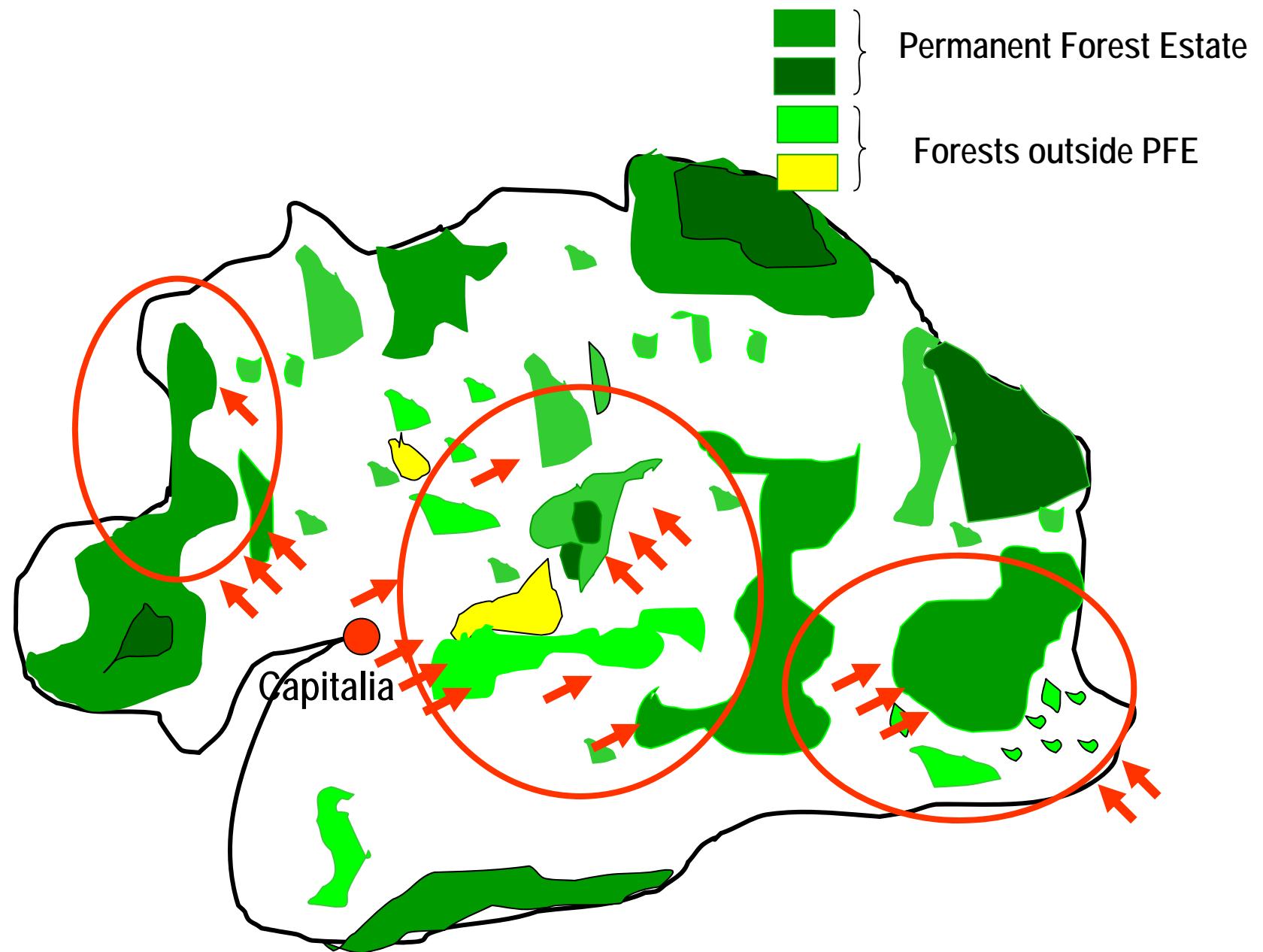
sCreen includes

- 5 methods
 1. Carbon sequestration (CS)
 2. Carbon enhancement (CE)
 3. GHG emissions from degradation (ER1)
 4. GHG emissions from deforestation (ER2)
 5. Timber and wood products
- Treatment of leakages
- Also data requirements, considerations for stratification, consideration of time frame, consideration of biodiversity
- Results of sCreen are approximations aimed at clarifying potential carbon benefits in an easy manner.

General assumptions and clarifications

- ✓ **Historical trend** as the starting point for the reference scenario
- ✓ The methods consider **living biomass** (aboveground and belowground biomass). If litter, dead wood or soil organic carbon of these three pools is considered as potential significant emitter, other methods should be used.
- ✓ Potential carbon benefits from timber and wood products are accounted for separately through a specific method.
- ✓ Considers two degradation drivers: firewood/wood gathering and illegal logging.
- ✓ We estimate carbon stock changes, following the IPCC guidance. Positive values imply increase in carbon stocks, negative values imply decrease in carbon stocks (i.e. deforestation and degradation have negative values)
- ✓ Data (following IPCC tiers):
 - ✓ When available local values, if not
 - ✓ National data, if not
 - ✓ IPCC default values (GPG-LULUCF or 2006 Inventory guidelines)

Cuzaland: Different Areas – different drivers



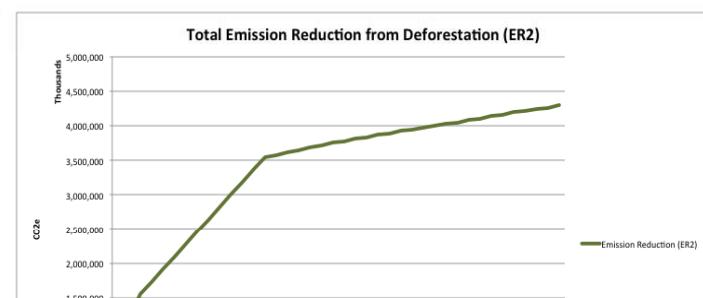
	Hectares In million
Deforestation - Intact forest	
Extension of agricultural and livestock frontier (cover 90%)	15
Extension of agricultural and livestock frontier 2 (cover 70%)	12
Settlement (cover 90%)	1
Mega-infrastructre (e.g. dams) (cover 100%)	3
Degradation - Intact forest	
Illegal cropping (cover 90%)	3
Illegal logging (cover 100%)	5
Firewood gathering 1 (Cover 90%)	1.2
Degradation - secundary forest	
Illegal crops (cover 70%)	0,50
Illegal logging (cover 70%)	2
Firewood gathering 1 (cover 60%)	3
Firewood and buidling wood gathering (Cover 50%)	10
Forest apt areas (plantations and agroforestry)	
Abandoned pastures	3
Biodiversity buffers (Rehabilitation)	10
Watersheds (Agroforestry)	1

		Management options		
	Hectares	0 emissions	Development Plan A	Development Plan B
Deforestation - Intact forest				
Extension of agricultural and livestock frontier (cover 90%)	15,000,000	Conservation	Conservation	SFM
Extension of agricultural and livestock frontier 2 (cover 70%)	12,000,000	Conservation	SFM	Extension of agricultural &livestock frontier
Settlement (cover 90%)	1,000,000	No settlement	Settlement with reduced impact	No settlement
Mega-infrastructre (e.g. dams) (cover 100%)	3,000,000	No infrastructre	Mega-infrastructure	Reduced mega-infrastructure (70%)
Degradation - Intact forest				
Illegal cropping (cover 90%)	3,000,000	No illegal activities	No illegal activites	Illegal activites at 20%
Illegal logging (cover 100%)	5,000,000	No illegal activities	Enrichment & conservation	Enrichment & SFM
Firewood gathering 1 (Cover 90%)	1,200,000	no firewood	cookstoves	Sustainable cookstove wood
Degradation - secondary forest		0 emissions	Development Plan A	Development Plan B
Illegal cropping (cover 70%)	500,000	No illegal activities	No illegal activites	Illegal activites at 20%
Illegal logging (cover 70%)	2,000,000	No illegal activities	Conservation	SFM
Firewood gathering 1 (cover 60%)	3,000,000	no firewood	cookstoves	cookstove to 80%
Firewood and buidling wood gathering (Cover 50%)	10000000	no firewood/building materials	Cookstoves and reduced logging	Cookstoves and reduced logging
Forest apt areas (plantations and agroforestry)		0 emissions	Development Plan A	Development Plan B
Abandoned pastures	3,000,000	100% planted in 5 years	100% planted in 10 years	100% planted in 15 years
Biodiversity buffers (Rehabilitation)	1,000,000	100% planted in 5 years	100% planted in 10 years	100% planted in 15 years
Watersheeds (Agroforestry)	1,000,000	100% planted in 5 years	100% planted in 10 years	100% planted in 15 years
Agricultural land (silvopastoral systems)	750,000	100% planted in 5 years	100% planted in 10 years	100% planted in 15 years

Identification	Screening REDD+ potential
Continent	Atlantis
Country	Cuzland
Climate zone	Tropics

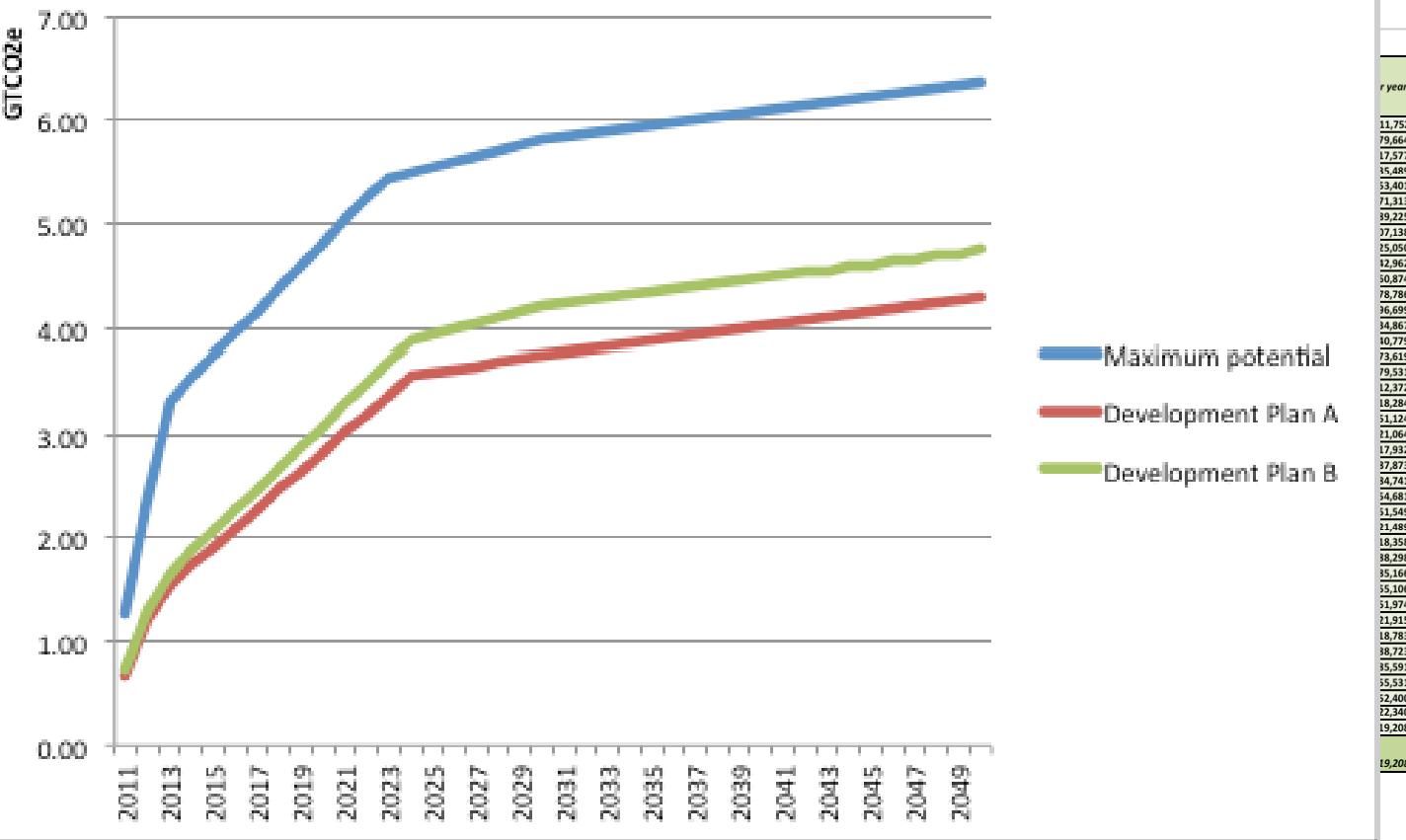
Method	Emission reduction on deforestation (ER2)				
	Act. 1	Act. 2	Act. 3	Act. 4	Act. 5

Method	For the equations			Your values				
	Abb	Parameter/Constant name	Unit					
Emissions reduction on degradation	AGBcc=100	Aboveground biomass per crown cover=100%	tonnes d.m.ha ⁻¹	280	250	280	270	1
	AGBbeg	Aboveground biomass at the beginning of the project	tonnes d.m.ha ⁻¹	252	175	252	270	0.01
	AGBcc=maxdef	Aboveground biomass for the remaining forest	tonnes d.m.ha ⁻¹	28	25	0	27	0.01
	AGBinc	Average annual increment in aboveground biomass	tonnes d.m.ha ⁻¹	13	7.2	13	10	1
	Rotation for SFM	time	years	0	8	31	0	3
	A	Area	ha	15000000	12000000	1000000	3000000	0
	RSR	Root-shoot ratio	dimensionless	1.24	1.27	1.24	1.21	1
	MAIman	Mean Annual Increment main spp increment in natural forest	m3ha ⁻¹ yr ⁻¹	6.2	9.5	6.2	7.5	1



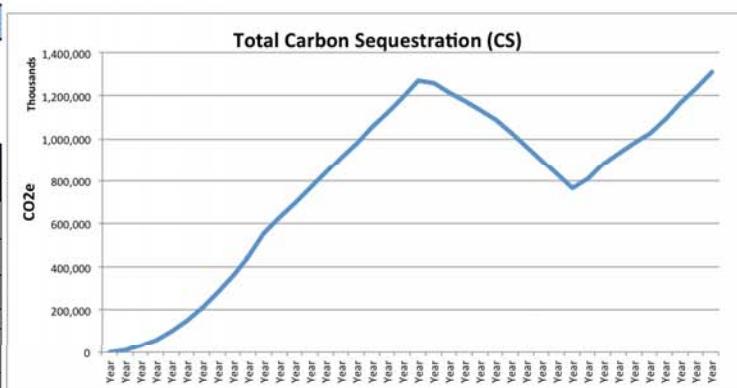
Emission Reductions from Deforestation (ER2)

Conservation on extension to agriculture on 99% Cover			
Deforestation per year	Baseline	Growth-yield	SFM/Conservati on activity
1 Year 1	-14,581,879	8,562,994,121	442,494,000
2 Year 2	-14,581,879	8,548,412,242	356,850,000
3 Year 3	-14,581,879	8,533,830,362	356,850,000
4 Year 4	-14,581,879	8,519,248,483	0
5 Year 5	-14,581,879	8,504,666,604	0
6 Year 6	-14,581,879	8,490,084,725	0
7 Year 7	-14,581,879	8,475,502,846	0
8 Year 8	-14,581,879	8,460,920,966	0
9 Year 9	-14,581,879	8,446,339,087	0
10 Year 10	-14,581,879	8,431,757,208	0
11 Year 11	-14,581,879	8,417,175,329	0
12 Year 12	-14,581,879	8,402,593,450	0
13 Year 13	-14,581,879	8,388,011,570	0
14 Year 14	-14,581,879	8,373,429,691	0
15 Year 15	-14,581,879	8,358,847,812	0
16 Year 16	-14,581,879	8,344,265,933	0
17 Year 17	-14,581,879	8,329,684,054	0
18 Year 18	-14,581,879	8,315,102,174	0
19 Year 19	-14,581,879	8,300,520,295	0
20 Year 20	-14,581,879	8,285,938,416	0
21 Year 21	-14,581,879	8,271,356,537	0
22 Year 22	-14,581,879	8,256,774,658	0
23 Year 23	-14,581,879	8,242,192,778	0
24 Year 24	-14,581,879	8,227,610,899	0
25 Year 25	-14,581,879	8,213,029,020	0
26 Year 26	-14,581,879	8,198,447,141	0
27 Year 27	-14,581,879	8,183,865,262	0
28 Year 28	-14,581,879	8,169,283,382	0
29 Year 29	-14,581,879	8,154,701,503	0
30 Year 30	-14,581,879	8,140,119,624	0
31 Year 31	-14,581,879	8,125,537,745	0
32 Year 32	-14,581,879	8,110,955,866	0
33 Year 33	-14,581,879	8,096,373,986	0
34 Year 34	-14,581,879	8,081,792,107	0
35 Year 35	-14,581,879	8,067,210,228	0
36 Year 36	-14,581,879	8,052,628,349	0
37 Year 37	-14,581,879	8,038,046,470	0
38 Year 38	-14,581,879	8,023,464,590	0
39 Year 39	-14,581,879	8,008,882,711	0
40 Year 40	-14,581,879	7,994,300,832	0
Total per activity			1



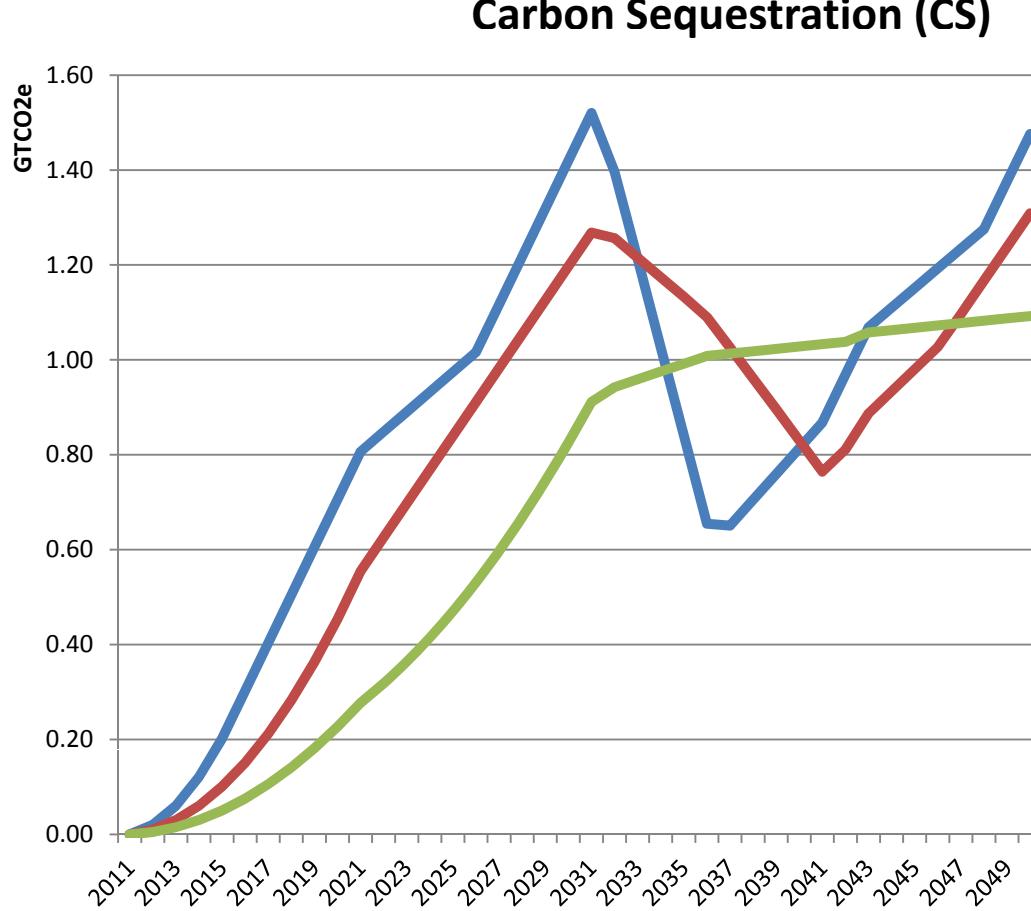
Identification		Screening REDD+ potential		
Continent	Country	Atlantis	Cuzaland	Tropics
Climate zone				

Method	Carbon Sequestration (CS)



Method	For the equations		Your values	Your values	Your values	Your values	Your values	Your values
	Abb	Parameter/Constant name						
Carbon Sequestration OPTION 1	ABG_{HUF}	Aboveground biomass in plantations or agroforestry		300	150	234	80	35
	$ABG_{HUF increment}$	yearly increment in ABGpf	tonnes d.d. ha-1yr-1	16	8	5	2.7	1.75
	$CO2e_{max}$	Maximum CO2e with this system and area	CO2e	1,004,670,000	502,335,000	543,839,400	175,680,000	58,125,375
	MAI	Mean annual increment	m3 yr-1	25	25	5	1.85	1.2
	BEF	Biomass Expansion Factor	dimensionless	1.3	1.3	3.4	3.4	3.4
	D	Density	tones d.m.m-3 merchantable volume	0.5	0.5	0.5	0.43	0.45
	$Rotation$	time	years	20	10	40	25	25
RSR		Root-shoot ratio						0

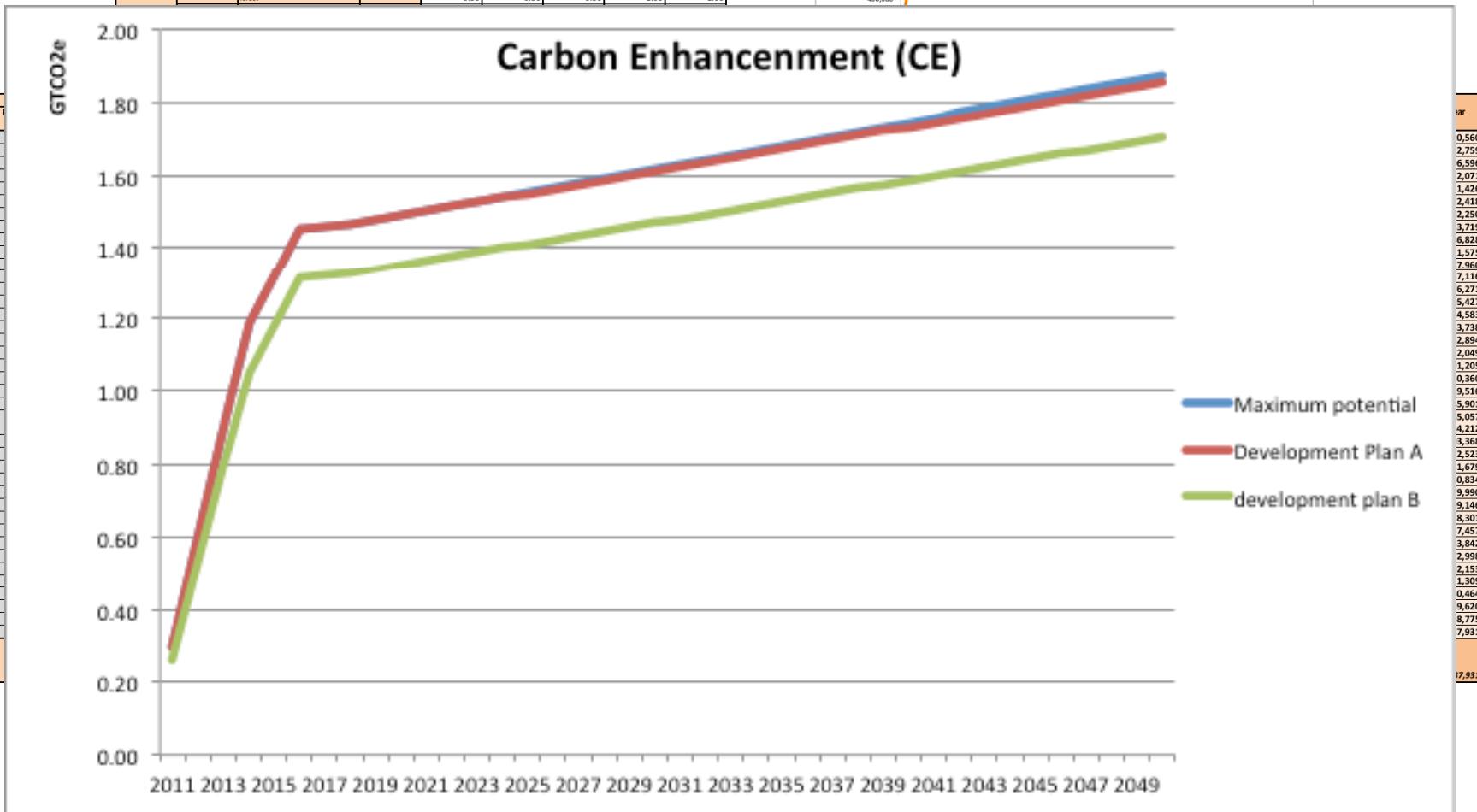
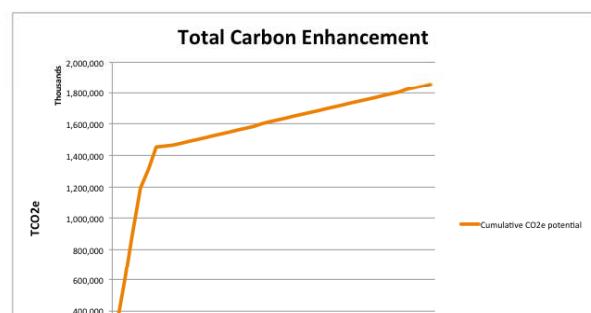
Pinus patula		
OPTION 1	TCO2e unlimited potential	TCO2e net potential
Year 1	0	
Year 2	5,358,240	5,358,24
Year 3	16,074,720	16,074,72
Year 4	32,149,440	32,149,44
Year 5	53,582,400	53,582,40
Year 6	80,373,600	80,373,60
Year 7	112,523,040	112,523,04
Year 8	150,030,720	150,030,72
Year 9	192,896,640	192,896,64
Year 10	241,120,800	241,120,80
Year 11	294,703,200	294,703,20
Year 12	348,285,600	348,285,60
Year 13	401,868,000	401,868,00
Year 14	455,450,400	455,450,40
Year 15	509,032,800	509,032,80
Year 16	562,615,200	562,615,20
Year 17	616,197,600	616,197,60
Year 18	669,780,000	669,780,00
Year 19	723,362,400	723,362,40
Year 20	776,944,800	776,944,80
Year 21	830,527,200	830,527,20
Year 22	771,586,560	771,586,56
Year 23	712,645,920	712,645,92
Year 24	653,705,280	653,705,28
Year 25	594,764,640	594,764,64
Year 26	535,824,000	535,824,00
Year 27	476,883,360	476,883,36
Year 28	417,942,720	417,942,72
Year 29	359,002,080	359,002,08
Year 30	300,061,440	300,061,44
Year 31	241,120,800	241,120,80
Year 32	294,703,200	294,703,20
Year 33	348,285,600	348,285,60
Year 34	401,868,000	401,868,00
Year 35	455,450,400	455,450,40
Year 36	509,032,800	509,032,80
Year 37	562,615,200	562,615,20
Year 38	616,197,600	616,197,60
Year 39	669,780,000	669,780,00
Year 40	723,362,400	723,362,40
Total per activity in 40 years		723,362,40

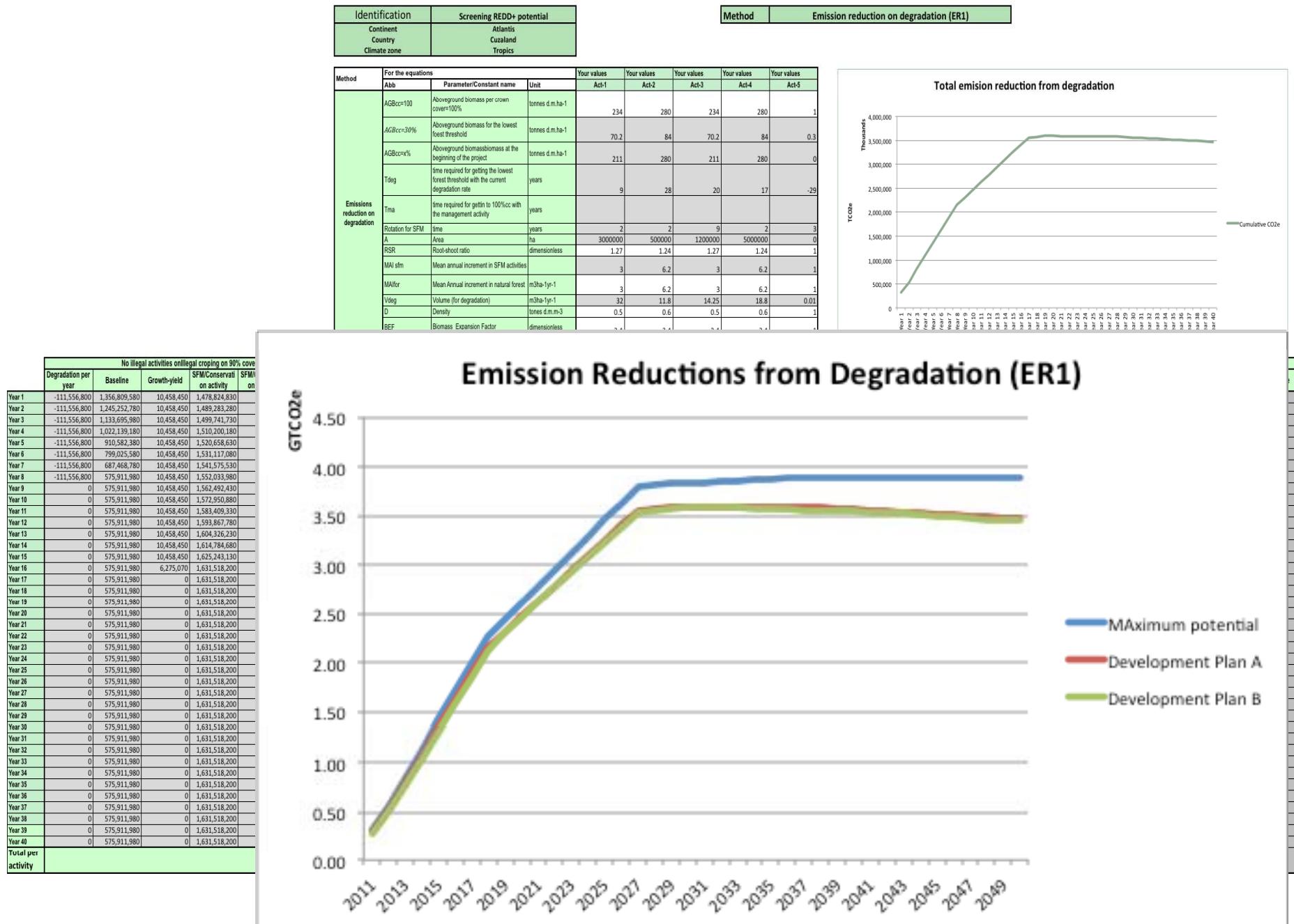


— Maximal mitigation potential
— Development Plan A
— Development Plan B

Identification		Screening REDD+ potential			Method		Carbon Enhancement (CE)	
Continent	Country	Atlantis	Cuzaland	Tropics				

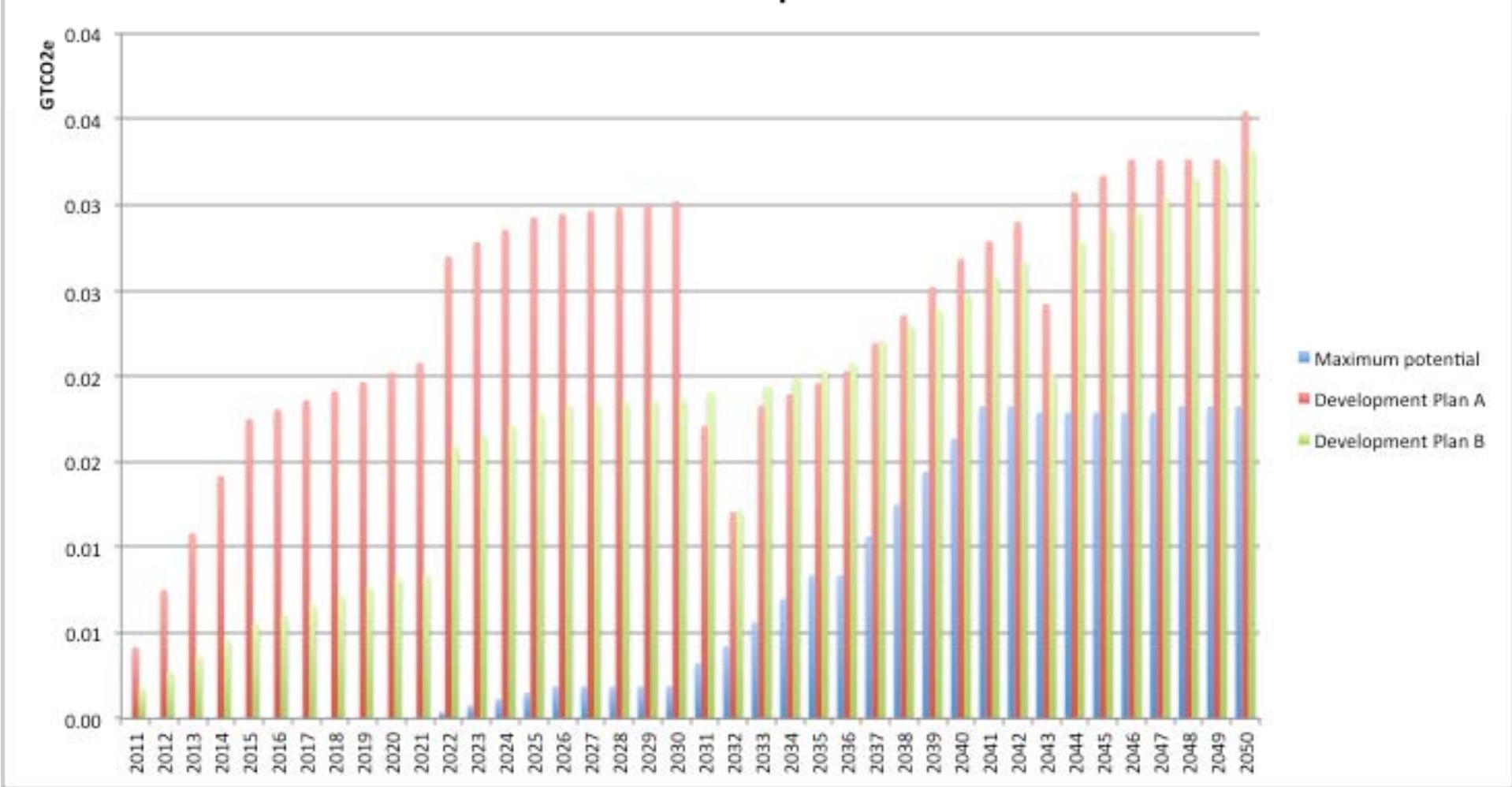
Method	For the equations			Your values				
	Abb	Parameter/Constant name	Unit	Act-1	Act-2	Act-3	Act-4	Act-5
Carbon enhancement	AGBcc>100	Aboveground biomass per crown cover	Tonne d.m. ha ⁻¹	234.00	300.00	280.00	1.00	1.00
	AGBcc>30%	Above ground biomass for crown cover 30%	Tonne d.m. ha ⁻¹	70.20	90.00	84.00	0.30	0.30
	AGBccx%	Aboveground biomass for crown cover in current state of degradation	Tonne d.m. ha ⁻¹	163.80	210.00	168.00	0.01	0.01
	Tdeg	time	years	3	5	3	-1	-1
	Tres	time	years	141	90	112	1	1
	A	Area	ha	500000.00	2000000.00	3000000.00	0.00	0.00
	RSR	Root-shoot ratio	dimensionless	1.42	1.42	1.27	1.00	1.00
	MAdeg	mean annual increment of degraded forest	m ³ ha ⁻¹ yr ⁻¹	8.30	8.30	8.50	1.00	1.00
	MAres	mean annual increment of the forest in the restoration system	m ³ ha ⁻¹ yr ⁻¹	1.00	1.00	1.00	1.00	1.00
	Vdeg	Volume (for degradation)	m ³	22.51	12.51	17.45	0.99	0.99
	Ddeg	Density of main spp in degraded forest		0.50	0.50	0.50	1.00	1.00





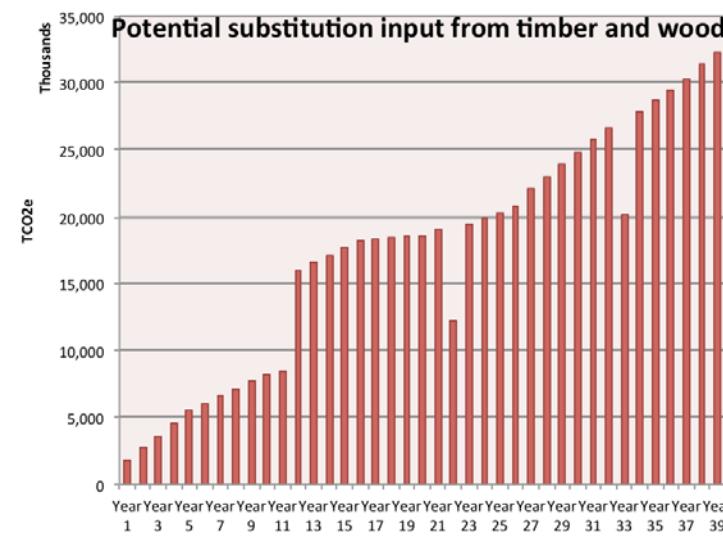
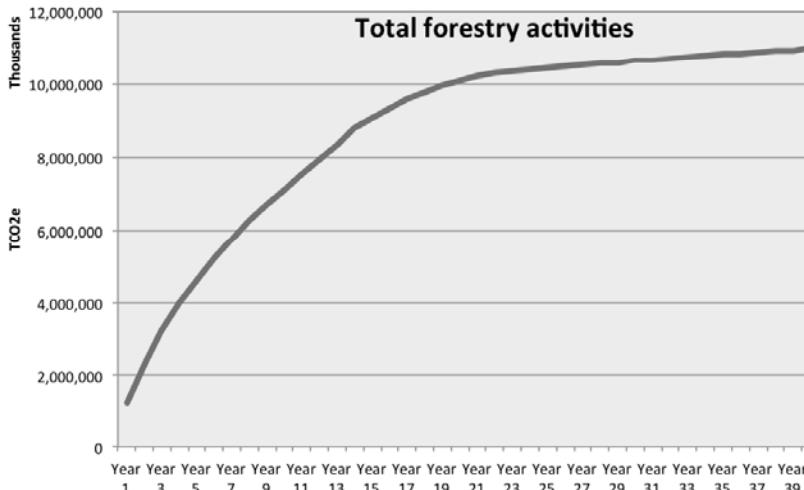
Identification		Screening REDD+ potential										Method Timber and Wood products (TW)									
Country	Climate zone	Atlantic					Custodian					Tropics					Atlantic				
For the equations		Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values	Your values
Ast Parameter	Unit	Ast.1	Ast.2	Ast.3	Ast.4	Ast.5	Ast.6	Ast.7	Ast.8	Ast.9	Ast.10	Ast.11	Ast.12	Ast.13	Ast.14	Ast.15	Ast.1	Ast.2	Ast.3	Ast.4	Ast.5
10 Emissions (GtCO ₂)	Millions	100	45	100	45	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Emissions (GtCO ₂)	Millions	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
12 Values	Mt	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
13 Basic wood values (Mt) values (Mt)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
14 Average service life of timber products	years	20	10	20	10	20	10	20	10	20	10	20	10	20	10	20	10	20	10	20	10
Timber from Carbon Sequestration activities																					
Timber from Carbon Enhancement																					
Timber from Em. Red. from Degradation																					
Timber from Em. Red. from Deforestation																					
Total CO ₂ e																					
Potential input for substitution																					
Tonnes																					
10,000																					

C in timber products



Project name		Screening REDD+ potential - Development Plan B
Continent	Atlantis	
Country	Cuzaland	
Climate zone	Tropics	

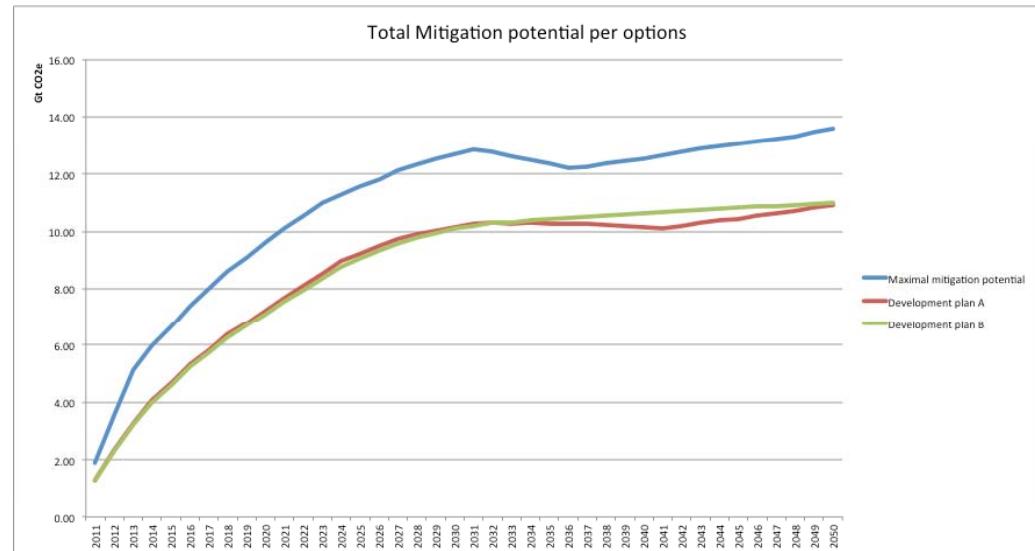
Total area (ha)	6,500,000	5,500,000	9,700,000	31,000,000	52,700,000
METHODS	Carbon Sequestration (TCO2e)	Carbon Enhancement (TCO2e)	Emission Reduction1 (TCO2e)	Emission Reduction 2 (TCO2e)	Total per year (TCO2e)
Year 1	0	261,283,008	283,622,616	716,457,700	1,261,363,324
Year 2	5,041,478	523,847,655	505,142,352	1,298,871,560	2,332,903,045
Year 3	15,124,435	787,693,940	768,869,208	1,664,613,421	3,236,301,003
Year 4	30,248,871	1,052,821,863	1,032,596,064	1,866,387,281	3,982,054,078
Year 5	50,414,784	1,182,681,218	1,296,322,919	2,068,161,141	4,597,580,062
Year 6	75,622,177	1,313,822,210	1,569,643,953	2,269,935,001	5,229,023,341
Year 7	105,871,047	1,321,512,042	1,842,964,986	2,471,708,861	5,742,056,937
Year 8	141,161,396	1,330,483,511	2,116,286,020	2,673,482,722	6,261,413,649
Year 9	181,493,224	1,340,736,620	2,300,361,613	2,875,256,582	6,697,848,039
Year 10	226,866,530	1,352,271,367	2,462,125,847	3,077,030,442	7,118,294,185
Year 11	277,281,314	1,365,087,752	2,623,890,080	3,278,804,302	7,545,063,449
Year 12	318,002,417	1,376,687,188	2,773,382,480	3,480,578,162	7,948,650,247
Year 13	363,764,998	1,388,286,623	2,925,552,536	3,682,352,023	8,359,956,180
Year 14	414,569,058	1,399,886,059	3,077,722,592	3,883,546,139	8,775,723,848
Year 15	470,414,596	1,411,485,495	3,229,892,648	3,927,207,999	9,039,000,737
Year 16	531,301,613	1,423,084,930	3,377,879,324	3,994,296,787	9,326,562,653
Year 17	597,230,108	1,434,684,366	3,529,185,107	4,037,958,647	9,599,058,228
Year 18	668,200,081	1,446,283,801	3,552,508,011	4,105,047,436	9,772,039,328
Year 19	744,211,533	1,457,883,237	3,575,830,914	4,148,709,296	9,926,634,979
Year 20	825,264,463	1,469,482,672	3,579,282,763	4,215,798,084	10,089,827,982
Year 21	911,358,872	1,481,082,108	3,582,734,611	4,230,868,024	10,206,043,615
Year 22	942,531,321	1,493,898,493	3,586,186,460	4,269,364,892	10,291,981,166
Year 23	958,968,609	1,505,497,929	3,580,044,130	4,284,434,833	10,328,945,501
Year 24	975,405,898	1,517,097,364	3,573,901,801	4,322,931,701	10,389,336,765
Year 25	991,843,187	1,528,696,800	3,567,759,472	4,338,001,641	10,426,301,100
Year 26	1,008,280,476	1,540,296,235	3,561,617,143	4,376,498,509	10,486,692,363
Year 27	1,013,231,655	1,551,895,671	3,555,474,814	4,391,568,449	10,512,170,589
Year 28	1,018,182,834	1,563,495,106	3,550,893,694	4,430,065,318	10,562,636,953
Year 29	1,023,134,014	1,575,094,542	3,546,312,575	4,445,135,258	10,589,676,388
Year 30	1,028,085,193	1,586,693,978	3,541,731,455	4,483,632,126	10,640,142,752
Year 31	1,033,036,373	1,598,293,413	3,537,150,336	4,498,702,066	10,667,182,188
Year 32	1,037,987,552	1,609,892,849	3,532,569,216	4,537,198,934	10,717,648,551
Year 33	1,057,673,891	1,622,709,234	3,527,988,097	4,552,268,875	10,760,640,097
Year 34	1,062,625,071	1,634,308,670	3,513,812,800	4,590,765,743	10,801,512,283
Year 35	1,067,576,250	1,645,908,105	3,499,637,503	4,605,835,683	10,818,957,541
Year 36	1,072,527,429	1,657,507,541	3,485,462,205	4,644,332,551	10,859,829,727
Year 37	1,077,478,609	1,669,106,976	3,471,286,908	4,659,402,491	10,877,274,985
Year 38	1,082,429,788	1,680,706,412	3,457,111,611	4,697,899,360	10,918,147,171
Year 39	1,087,380,968	1,692,305,847	3,452,530,492	4,712,969,300	10,945,186,606
Year 40	1,092,332,147	1,703,905,283	3,447,949,372	4,751,466,168	10,995,652,970
TOTAL	1,092,332,147	1,703,905,283	3,447,949,372	4,751,466,168	10,995,652,970



Timber and Wood (TCO2e)
1,756,800
2,690,100
3,623,400
4,556,700
5,490,000
6,039,000
6,588,000
7,137,000
7,686,000
8,235,000
8,399,700
15,903,844
16,545,488
17,187,131
17,828,775
18,305,719
18,398,363
18,491,006
18,583,650
18,676,294
19,112,063
12,208,388
19,506,656
19,942,425
20,378,194
20,813,963
22,110,861
23,023,459
23,936,057
24,848,655
25,761,253
26,673,851
20,154,362
27,836,816
28,656,771
29,476,725
30,296,679
31,500,934
32,320,888
33,140,843
33,140,843

Total Mitigation potential per options

Year	Total Potential - Maximal GHG	Total Potential - Development plan A	Total Potential - Development Plan B
2011	1,891,225,834.20	1,283,860,465.68	1,261,363,324.08
2012	3,576,999,716.70	2,352,186,022.79	2,332,903,045.15
2013	5,113,976,983.51	3,275,174,007.32	3,236,301,003.21
2014	5,970,358,902.62	4,055,806,587.29	3,982,054,078.26
2015	6,677,500,614.03	4,677,116,002.68	4,597,580,062.31
2016	7,406,089,877.75	5,309,790,013.50	5,229,023,340.94
2017	8,011,227,980.02	5,829,095,819.75	5,742,056,936.56
2018	8,617,647,720.84	6,359,766,221.43	6,261,413,649.18
2019	9,113,792,300.21	6,790,244,418.53	6,697,848,038.78
2020	9,611,218,518.14	7,232,087,211.07	7,118,294,185.38
2021	10,109,926,374.63	7,685,294,599.03	7,545,063,448.97
2022	10,549,693,591.11	8,108,334,436.99	7,948,650,247.39
2023	10,983,004,567.59	8,531,374,274.95	8,359,956,180.25
2024	11,264,659,784.07	8,953,834,368.92	8,775,723,847.55
2025	11,546,315,000.55	9,218,762,206.88	9,039,000,737.29
2026	11,822,113,485.04	9,502,933,592.84	9,326,562,653.47
2027	12,148,067,511.52	9,757,402,980.80	9,599,058,227.68
2028	12,346,038,658.00	9,907,316,416.76	9,772,039,328.33
2029	12,523,092,904.48	10,033,802,924.73	9,926,634,979.41
2030	12,700,147,150.96	10,163,845,305.69	10,089,827,981.94
2031	12,848,609,477.44	10,261,624,786.65	10,206,043,614.90
2032	12,772,025,723.93	10,300,475,705.61	10,291,981,165.86
2033	12,636,501,330.41	10,285,732,146.57	10,328,945,501.22
2034	12,498,070,668.14	10,294,415,515.54	10,389,336,764.59
2035	12,359,640,005.87	10,279,671,956.50	10,426,301,099.95
2036	12,221,209,343.60	10,286,902,191.08	10,486,692,363.31
2037	12,264,786,592.59	10,249,186,413.30	10,512,170,589.30
2038	12,358,748,385.19	10,226,271,675.51	10,562,636,952.88
2039	12,452,710,177.80	10,179,337,089.72	10,589,676,388.47
2040	12,546,671,970.41	10,155,236,511.93	10,640,142,752.06
2041	12,640,633,763.01	10,107,709,006.14	10,667,182,187.64
2042	12,780,539,993.12	10,196,131,468.36	10,717,648,551.23
2043	12,920,446,223.23	10,291,294,552.57	10,760,640,096.82
2044	13,001,411,813.33	10,379,717,014.78	10,801,512,282.80
2045	13,082,377,403.44	10,444,712,548.99	10,818,957,540.79
2046	13,163,342,993.55	10,533,135,011.20	10,859,829,726.78
2047	13,244,308,583.66	10,621,102,764.17	10,877,274,984.77
2048	13,325,274,173.76	10,733,090,365.13	10,918,147,170.75
2049	13,465,180,403.87	10,822,243,958.09	10,945,186,606.34
2050	13,605,086,633.98	10,935,417,399.05	10,995,652,969.93



Maximum potential:

- Highest mitigation potential, but
- No consideration of other development priorities
- High investments required in the first 5 years

Development A:

- Considers other sector's priorities
- Less investment intensive than the previous one

Development B:

- Considers other sector's priorities
- Less investment intensive than the previous one

Test phase - 2103

- ✓ Methodology design (2012)
- ✓ Methodology review by experts
- ✓ First calculation routine
- ✓ Tests:
 - Sub-national level (at different scales and with different number of forestry activities)
 - Colombia, Ghana and Malaysia
 - National level
 - Test country (using the current information from a real country)

Advantages of sCreen

- One methodological package for all forestry activities
- Allows comparing possible scenarios
- Allows dialogue among stakeholders regarding advantages and disadvantages of various management options
- Flexible regarding data sources and cheap screening option
- User friendly

THANK YOU VERY MUCH FOR YOUR ATTENTION!!

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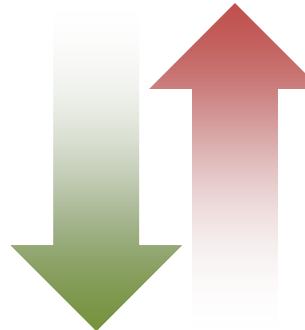


Land area/activity area



Emission factors

X



**Carbon
benefits**

In the forests/land

Where?

Land area: Forest land,
Grassland, Wetland, Degraded
land...

Related activities:

Definition of boundaries
Stratification

What?

Carbon stock changes per activity
(per land unit)

Other GHG emissions

Related activities:

Inventory per pool and activity
(including sampling, field
measurements and data analysis)