

General information

Remover name	Bart van Beuzekom		
Project code	SCVL003		
Project name	Scave Portugal Reforest		
Location	Cidadelhe(Pinhel), Portugal		
Area	14,60	ha	
Duration	100	years	estimated permanence of removal and storage
Correction rocky soil	30%		Correction factor for soil-less area (rocks)
Holding pool	20%		freed up when measurements confirm projection pathways
Project emissions	20%		LCA estimate, or specified when >20%

Per hectare

Baseline TEC	134	tCO2/ha	Below Ground and Soil Organic Carbon, following CDM AR-ACM0003, excl above ground carbon
Target TEC	596	tCO2/ha	Using CEDA and Soil sample data
Storage	463	tCO2/ha	Storage -/- baseline

Per project

Projected storage	4.727	tCO2	storage per ha x area
LCA emissions	945	tCO2	project related emissions
Net storage	3.781	tCO2	project storage -/- emissions over 20 years

Removal credits issued

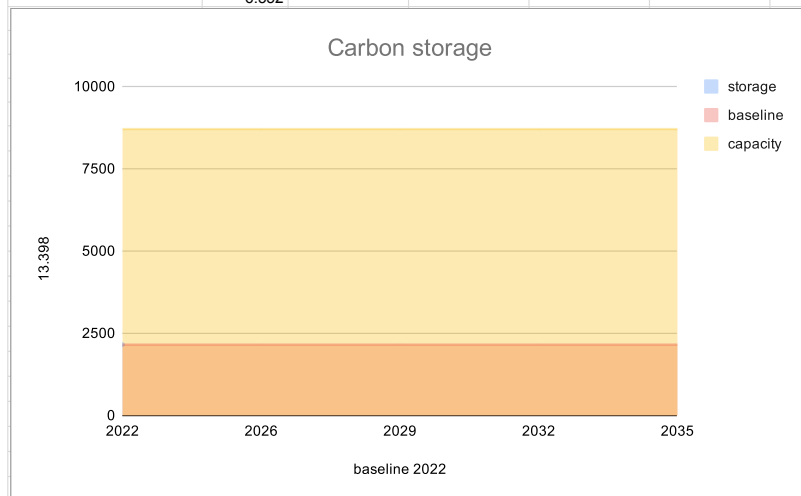
Credits first 12 years	2.269	credits	12/20 x net storage potential
Holding Pool	454	credits	20% of the first 12 years
Credits issued	1.815	credits	

Field Code	Field name	Size (ha)	Owner
SCV-P03-A01	Ramira Reforest 1	14,6	Arvoterra 1
SCV-P03-R	Reference		

Carbon Calculation for	SCVL003
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[illegible]

	2022	2026	2029	2032	2035
Measurement average	8.00 SOC g/kg	#DIV/0! SOC g/kg	#DIV/0! SOC g/kg	#DIV/0! SOC g/kg	#DIV/0! SOC g/kg
Sample depth	30 cm	#DIV/0! cm	#DIV/0! cm	#DIV/0! cm	#DIV/0! cm
Calculation depth	30 cm	30 cm	30 cm	30 cm	30 cm
Soil density	1.52 g/cm3	#DIV/0! g/cm3	#DIV/0! g/cm3	#DIV/0! g/cm3	#DIV/0! g/cm3
SOC (soil carbon) / ha	134 tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha
AGB (above ground) / ha	13.75 tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha
Storage current (excl AGB)	2.154 tCO2e	#DIV/0! tCO2e	#DIV/0! tCO2e	#DIV/0! tCO2e	#DIV/0! tCO2e
Storage capacity (excl AGB)	8.705 tCO2e	8.705 tCO2e	8.705 tCO2e	8.705 tCO2e	8.705 tCO2e
	6.552				



Sources								
value	source	URL	Notes					
CEDA aboveground biomass carbon	https://climatee	https://dataceda	2018 data					
SOC	A critical review of the conventional SOC to SOM conversion factor (Geoderma, Volume 156, Issues 3–4, 15 May 2010, Pages 75-83)							
Density	Wageningen Ur	https://edepot.wu	We've added these soil density levels to the calculation factors tab					
Reference data for capacity								
Reference description								
Data location								
SOC (soil)	24,9047619	C g/kg	Target reference	x	y			
AGB (above ground)	324,5	tCO2e/ha	177	-7,01182	40,90392			
reference coordinates full agroforest			Agroforest conservative reference					
AGB (above ground)	229,1666667	tCO2e/ha	125					
SCV-P002 reference coordinates		x	y	agb t/ha	avg	min	max	
	-7,113	-7,112	-7,113	40,949	0	0,00	0	0
	40,950	40,948	-7,113	40,949	0			

from C to CO2	3,666666667		
soil density	% organic matter	% organic carbon	soil density
1,59	0,5	0,25	1,59
1,52	1,5	0,75	1,52
1,45	2,5	1,25	1,45
1,39	3,5	1,75	1,39
1,34	4,5	2,25	1,34
1,29	5,5	2,75	1,29
1,24	6,5	3,25	1,24
1,18	7,5	3,75	1,18
1,13	8,5	4,25	1,13
1,09	9,5	4,75	1,09
1,05	10,5	5,25	1,05
1,01	11,5	5,75	1,01
0,96	12,5	6,25	0,96
0,93	13,5	6,75	0,93
0,9	14,5	7,25	0,9
0,87	15,5	7,75	0,87
0,84	16,5	8,25	0,84
0,81	17,5	8,75	0,81
0,79	18,5	9,25	0,79
0,77	19,5	9,75	0,77
0,75	20,5	10,25	0,75
0,73	21,5	10,75	0,73
0,71	22,5	11,25	0,71
0,7	23,5	11,75	0,7
0,69	24,5	12,25	0,69
0,67	25,5	12,75	0,67
0,65	27	13,5	0,65
0,62	29	14,5	0,62
0,6	31	15,5	0,6
0,58	33	16,5	0,58
0,56	35	17,5	0,56
0,54	37	18,5	0,54
0,52	39	19,5	0,52
0,5	41	20,5	0,5
0,49	43	21,5	0,49
0,47	45	22,5	0,47
0,46	47	23,5	0,46
0,44	49	24,5	0,44