

General information

Remover name	Bart van Beuzekom		
Project code	SCVL002		
Project name	Scave Portugal Agroforest		
Location	CidadeIhe(Pinhel), Portugal		
Area	40,90	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	152	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	444	tCO2/ha	Storage -/- baseline

Per project

Projected storage	12.717	tCO2	storage per ha x area
LCA emissions	2.543	tCO2	project related emissions
Net storage	10.174	tCO2	project storage -/- emissions over 20 years

Removal credits issued

Credits first 12 years	6.104	credits	12/20 x net storage potential
Holding Pool	1.221	credits	20% of the first 12 years
Credits issued	4.883	credits	

Field Code	Field name	Size (ha)	Owner
SCV-P02-A01	Cavalete	4,3	Arvoterra 1
SCV-P02-A02	Fonte Seixo/Lagartixa	5	Arvoterra 1
SCV-P02-A03	Carrascal	1,3	Arvoterra 1
SCV-P02-A04	Alagoa	1,2	Arvoterra 1
SCV-P02-A05	Paul_art nº559	4,6	Arvoterra 1
SCV-P02-A06	Barroqueira	5,4	Arvoterra 1
SCV-P02-A07	Ramira Agroforest	5,2	Arvoterra 1
SCV-P02-A08	Vaqueira	3,5	Arvoterra 1
SCV-P02-A09	Cebolas Agroforest	10,4	Arvoterra 1
SCV-P02-R	Reference		

#	Field code	Field	Year	Date	Sample depth	SOC/AGB/REF	Carbon (g/kg)	AGB (tCO2/ha)	AGB (tBiomass/ha)	Sample/report nr.	report link	Sample done by	Notes	Ha	Product	
Measurer	Field code	Field	Date	Sample depth	Carbon (g/kg)	Sample/report nr	report link	Sample done by	Notes							
1	SCV-P02-A01	CAVALETE	2022	30-6-2022	30	SOC	8			418			10		4.3	34.4
2	SCV-P02-A01	CAVALETE	2022	30-6-2022	30	SOC	9			427					4.3	38.7
3	SCV-P02-A05	PAUL	2022	30-6-2022	30	SOC	10			435					4.6	46
4	SCV-P02-A06	BARROQUEIRA	2022	30-6-2022	30	SOC	8			426					5.4	43.2
5	SCV-P02-A02	FONTE SEIXO	2022	30-6-2022	30	SOC	11			423					5	55
6	SCV-P02-A07	RAMIRA Agroforest	2022	30-6-2022	30	SOC	8			434					5.2	41.6
7	SCV-P02-A08	VAQUEIRA	2022	30-6-2022	30	SOC	8			439					3.5	28
8	SCV-P02-A09	AGROFOREST CE	2022	30-6-2022	30	SOC	7			433					10.4	72.8
9	SCV-P02-A09	AGROFOREST CE	2022	30-6-2022	30	SOC	9			437					10.4	93.6
10	SCV-P02-A09	AGROFOREST CE	2022	30-6-2022	30	SOC	11			438					10.4	114.4
11	SCV-P02-A03	CARRASCAL	2022	30-6-2022	30	SOC	9			420					1.3	11.7
12	SCV-P02-A03	CARRASCAL	2022	30-6-2022	30	SOC	15			424					1.3	19.5
13	SCV-P02-A04	ALAGOA	2022	30-6-2022	30	SOC	11			431					1.2	13.2
14	SCV-P01-Q02	Quinta	2023	11-12-2023	30	REF	24.9047619			Average		Average of treeplanting measurements		#N/A	#N/A	
15	SCV-P02-A01	CAVALETE	2020	1-1-2020	30	AGB	0	0							4.3	0
16	SCV-P02-A05	PAUL	2020	1-1-2020	30	AGB	0	0							4.6	0
17	SCV-P02-A06	BARROQUEIRA	2020	1-1-2020	30	AGB	0	0							5.4	0
18	SCV-P02-A02	FONTE SEIXO	2020	1-1-2020	30	AGB	0	0							5	0
19	SCV-P02-A07	RAMIRA Agroforest	2020	1-1-2020	30	AGB	0	0							5.2	0
20	SCV-P02-A08	VAQUEIRA	2020	1-1-2020	30	AGB	1.4	1.4							3.5	4.9
21	SCV-P02-A09	AGROFOREST CE	2020	1-1-2020	30	AGB	0	0							10.4	0
22	SCV-P02-A03	CARRASCAL	2020	1-1-2020	30	AGB	0.1	0.1							1.3	0.13
23	SCV-P02-A04	ALAGOA	2020	1-1-2020	30	AGB	0	0							1.2	0
024	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			23			CARVALHO PORTUGUÊSQ1				#N/A	#N/A	
025	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			29			CARVALHO PORTUGUÊSQ2				#N/A	#N/A	
026	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			23			CARVALHO PORTUGUÊSQ3				#N/A	#N/A	
027	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			28			CARVALHO PORTUGUÊSQ4				#N/A	#N/A	
028	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			28			CARVALHO PORTUGUÊSQ5				#N/A	#N/A	
029	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			24			CARVALHO PORTUGUÊSQ6				#N/A	#N/A	
030	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			26			SOBREIROQ1				#N/A	#N/A	
031	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			23			SOBREIROQ2				#N/A	#N/A	
032	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			18			SOBREIROQ3				#N/A	#N/A	
033	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			26			SOBREIROQ4				#N/A	#N/A	
034	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			22			SOBREIROQ5				#N/A	#N/A	
035	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			15			SOBREIROQ6				#N/A	#N/A	
036	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			27			CARVALHO NEGRALQ1				#N/A	#N/A	
037	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			22			CARVALHO NEGRALQ2				#N/A	#N/A	
038	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			16			CARVALHO NEGRALQ3				#N/A	#N/A	
039	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			32			CARVALHO NEGRALQ4				#N/A	#N/A	
040	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			30			CARVALHO NEGRALQ5				#N/A	#N/A	
041	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			27			CARVALHO NEGRALQ6				#N/A	#N/A	
042	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			24			AMIEIROQ1				#N/A	#N/A	
043	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			30			AMIEIROQ2				#N/A	#N/A	
044	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			30			AMIEIROQ3				#N/A	#N/A	
045	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			31			AMIEIROQ4				#N/A	#N/A	
046	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			20			AMIEIROQ5				#N/A	#N/A	
047	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			33			AMIEIROQ6				#N/A	#N/A	
048	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			30			LODÃOQ1				#N/A	#N/A	
049	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			36			LODÃOQ2				#N/A	#N/A	
050	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			34			LODÃOQ3				#N/A	#N/A	
051	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			25			LODÃOQ4				#N/A	#N/A	
052	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			26			LODÃOQ5				#N/A	#N/A	
053	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			27			LODÃOQ6				#N/A	#N/A	
054	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			20			FREIXOQ1				#N/A	#N/A	
055	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			22			FREIXOQ2				#N/A	#N/A	
056	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			18			FREIXOQ3				#N/A	#N/A	
057	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			27			FREIXOQ4				#N/A	#N/A	
058	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			25			FREIXOQ5				#N/A	#N/A	
059	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			27			FREIXOQ6				#N/A	#N/A	
060	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			24			BÉTULAQ1				#N/A	#N/A	
061	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			18			BÉTULAQ2				#N/A	#N/A	
062	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			24			BÉTULAQ3				#N/A	#N/A	
063	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			17			BÉTULAQ4				#N/A	#N/A	
064	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			18			BÉTULAQ5				#N/A	#N/A	
065	SCV-P01-Q02	Reforest test location quinta	03-05-2022	30			21			BÉTULAQ6				#N/A	#N/A	

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
	40,950	40,948	-7,113	40,949	0		

from C to CO2	3,66666667		
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