

General information

Project code	UKA-L-001		
Project name	Uka Farm		
Location	Tirana, Albania		
Area	1.31	ha	
Duration	20	years	estimated permanence of removal and storage
Project emissions	20%		LCA estimate, or specified when >20%

Per hectare

Baseline TEC	212	tCO2/ha	Above Ground, Below Ground and Soil Organic Carbon, following CDM AR-ACM0003
Reference capacity	330	tCO2/ha	Using CEDA and Soil sample data
Storage potential	118	tCO2/ha	Projection +/- baseline

Per project

Projected storage	154	tCO2	storage potential per ha x area
LCA emissions	31	tCO2	project related emissions
Net storage potential	124	tCO2	project storage +/- emissions over 20 years

Removal credits

Carbon credits	124	credits	
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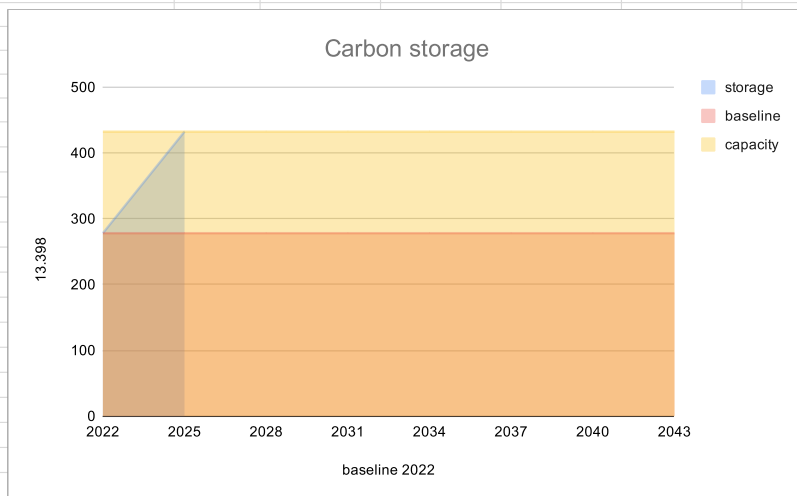
Field Code	Field name	Size (ha)	Owner
001-U	Uka farm	1.31	Flori Uka
002-R	Reference		

#	Field code	Field	Year	Date	Sample depth	SOC/AGB	Carbon (g/kg)	AGB (tCO2/ha)	Sample/report nr.	Notes
001	002-R	Reference	2019	13-4-2019	30	SOC	12.75		2.103_23	
002	001-U	Uka farm	2023	17-4-2023	30	SOC	20.5		3.103_23	
003	001-U	Uka farm	2020	1-1-2020	-	AGB	-	16.845		ESA satellite observation
004		#N/A	2017	1-1-2017	-	AGB	-	9.024		ESA satellite observation
005		#N/A	1899							
006		#N/A	1899							
007		#N/A	1899							
009		#N/A	1899							
010		#N/A	1899							
011		#N/A	1899							
012		#N/A	1899							
013		#N/A	1899							
014		#N/A	1899							
015		#N/A	1899							

Year	Above Ground Biomass (Mg/ha)	Carbon (Mg/ha)	CO2 Equivalent (Mg/ha)
2010 ✓	0.000	0.000	0.000
2017 ✓	4.922	2.461	9.024
2018 ✓	15.588	7.794	28.578
2019 ✗			
2020 ✓	9.188	4.594	16.845
Average	7.425	3.712	13.612

Carbon Calculation for	UKA-L-001
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Surface	1.31 ha	Fields tab					
Capacity Reference SOC	20.50 SOC g/kg	References tab					
Capacity Reference AGB	16.85 tCO2e/ha	References tab					
	2019	2023	2026	2029	2032		
Measurement average	12.75 SOC g/kg	20.50 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	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	30 cm	
Soil density	1.45 g/cm3	1.39 g/cm3	#DIV/0! g/cm3	#DIV/0! g/cm3	#DIV/0! g/cm3	#DIV/0! g/cm3	
SOC (soil carbon) / ha	203 tCO2e/ha	313 tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	
AGB (above ground) / ha	9.02 tCO2e/ha	16.85 tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	#DIV/0! tCO2e/ha	
Storage current	278 tCO2e	433 tCO2e	#DIV/0! tCO2e	#DIV/0! tCO2e	#DIV/0! tCO2e	#DIV/0! tCO2e	
Storage capacity	433 tCO2e	433 tCO2e	433 tCO2e	433 tCO2e	433 tCO2e	433 tCO2e	



[illegible]

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