

General information

Project name	Zeleni Kruchi Ecovillage		
Remover name	Anastasia Volkova		
Project code	ZLKL001		
Location	Ukrain, Kyiv region, Dmytrenk of Boguslav district		
Area	3.19 ha		
Start year	2024		
Duration	100	years	estimated permanence of removal and storage
Holding pool	20%		freed up when measurements confirm projection pathways
Project emissions	20%		LCA estimate, or specified when >20%

Per hectare

Baseline TEC	248	tCO2/ha	Soil Organic Carbon and Above Ground Carbon, following CDM AR-ACM0003
Reference capacity	468	tCO2/ha	Using CEDA and Soil sample data
Storage potential	220	tCO2/ha	Projection +/- baseline

Per project

Projected storage	703	tCO2	storage potential per ha x area x storage duration 100 year equivalent
LCA emissions	141	tCO2	project related emissions
Net storage potential	562	tCO2	project storage +/- emissions over 20 years

Potential CRUs

CRUs first 12 years	337	units	12/20 x net storage potential
Holding Pool	67	units	20% of the first 12 years
Potential CRUs issued	270	units	

[illegible]

Carbon Calculation for			ZLKL001								
Surface	3.19	ha	Fields tab								
Capacity Reference SOC	2.30	SOC %	References tab								
Capacity Reference AGB	130.50	tCO2e/ha	References tab								

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									
SOC (soil)	2.3	C g/kg							
AGB (above ground)	130.5	tCO2e/ha							
Soil density REF	1.335	g/cm3							
Soil Carbon per ha REF	337.76	tCO2e/ha							

