

Global impact of land degradation

Indirect Drivers

Population Growth Migration Economic: Markets Trade Demand Governance: Institutions Decision making

Underlying

Direct Drivers

Urbanization



Infrastructure



Agriculture



Source: UNCCD, 2022.

It is possible to reverse landscape degradation through holistic landscape restoration.



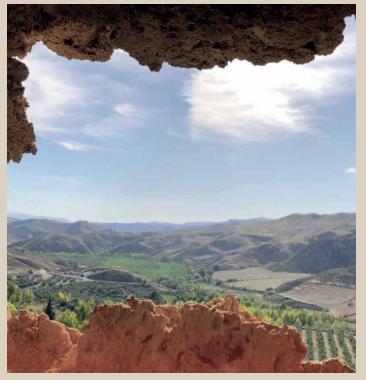
Source: John D. Liu





Barriers to holistic landscape restoration

- Economic system barriers: biodiversity not valued
- Complexity of the ecosystem approach deters stakeholders
- Stakeholder complexity: top-down solutions do not take into account local people's needs
- Landscape finance: lack of experience with long-term blended landscape funding
- Policy: misalignment & silo solutions instead of the whole



Source: UNCCD, 2022.

What is needed to transition a landscape from 'degraded' to 'restored'?

- A generic language and approach that people understand, unites and is practical
- A co-creative multistakeholder process
- Landscape (ecosystem) knowledge and area of large size
- Long term time frame
- Regenerative business models
- Long term blended tailor-made finance
- Being replicable to create scale





Three words unite all stakeholders: losses, risks and returns.

Ecosystem degradation leads to 4 losses



Loss of purpose or hope



Loss of jobs and prosperity



Loss of biodiversity, soil and water



Loss of long-term income

Ecosystem restoration leads to 4 Returns



Return of Inspiration

Futures to believe in



Social Returns
Communities that thrive

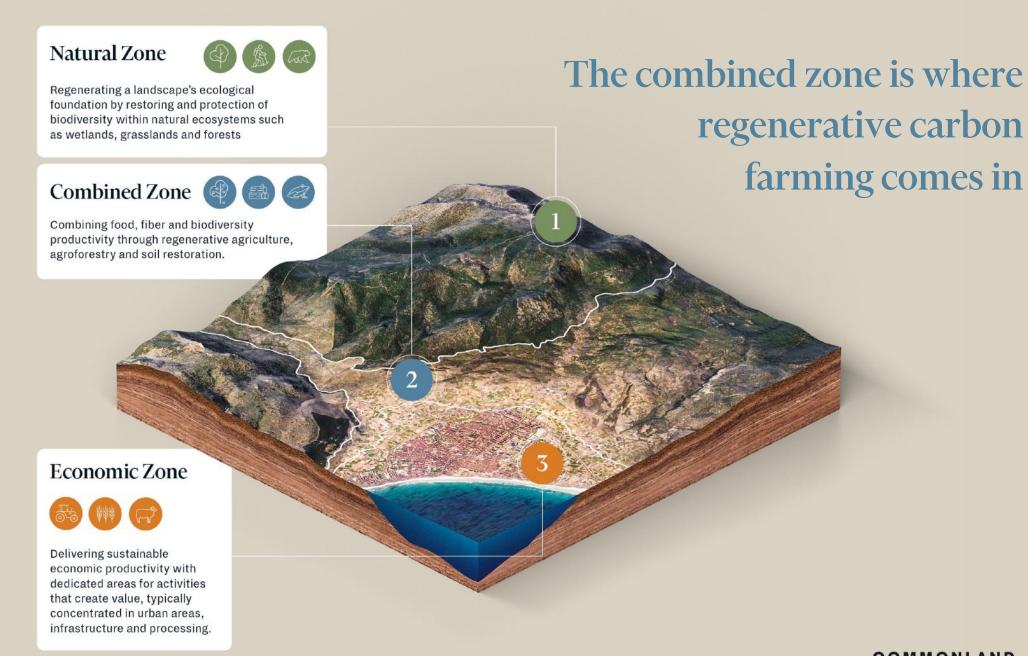


Natural Returns
Ecosystems that flourish

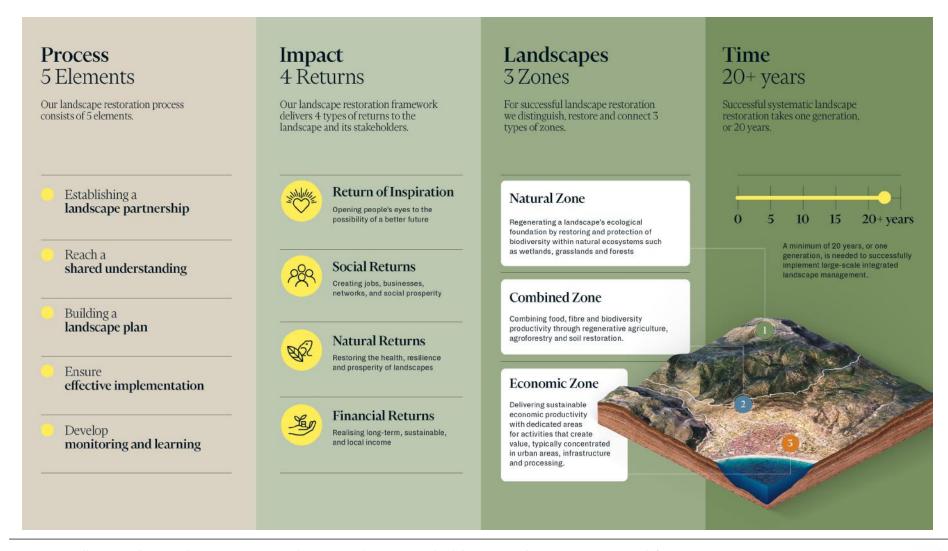


Financial Returns
Businesses that thrive through real value





Guiding stakeholders to turn landscape complexity into action: The 4 Returns Framework for Healthy Landscapes





Progress measurement and replicability

Inspiration Increased connection to the landscape, motivating stewardship

Domain	Indicator
Connection to the landscape	Land stewardship
	Place attachment
	Beauty of the landscape
	Норе
	Purpose
	Sense of healing
Awareness	Degradation awareness
	Project awareness & participation
Behavioural change	Support for restoration & regeneration
	Improved practices in land-, agricultural-, waste-, and water management
Replication	Non-target landscapes & communities interested
	Replication of initiatives by others

Natural return Healthier ecosystems: soil, water, biodiversity

Domain	Indicator
Landscape ecosystems	Land use (change) (i.e. hectares)
	Landscape connectivity
Soil	Soil erosion
	Soil permeability
	Soil biodiversity
	Soil organic matter
Water	Water quantity
	Water quality
Biodiversity	Rehabilitation / regreening
	Biodiversity & habitat protection
	Biodiversity abundance
	Biodiversity threats
GHG mitigation	GHG (carbon) sequestration
	Reduced GHG emissions

Social return Enhanced livelihood opportunities and community engagement

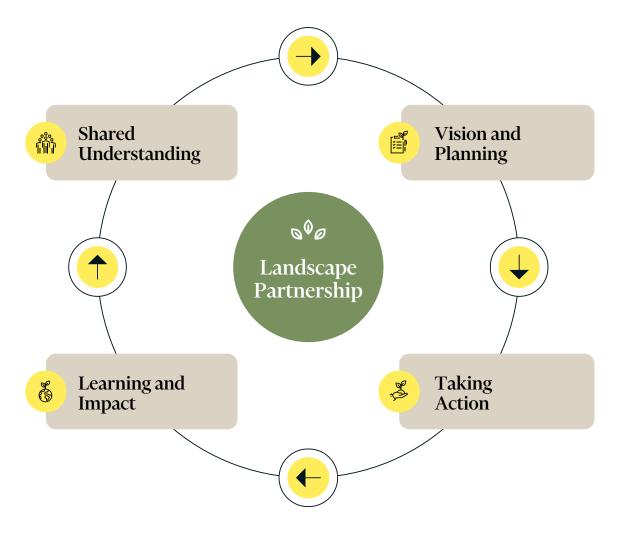
Domain	Indicator
Networks & engagement	Network building
	Social cohesion & solidarity
	Trust
Capacity building	Knowledge exchange
	Knowledge & skill development
Livelihood resilience	Quality of life
	Food security
	Health
	Climate adaptation
	Vulnerability to climate change
Social equity	Equitable sharing of restoration benefits
	Equal (job) opportunities
	Inclusive participation in restoration
	Voice of marginalized groups strengthened

Financial return Long-term economic resilience and prosperity

Domain	Indicator	
Community & farmer income	Employment & working conditions	
	Diversity of income sources & income resilience	
	Profitability (yield, prices, (revenue), costs)	
	Allocation of profit to sustainable transition	
	Access to finance	
	Economic incentives for sustainable manager	ment (price premium, PES)
Business development	Business development	
	Business network & ecosystem	
	Profitability (gross profit vs. net profit)	
	Business size	
	Localization of the value chain	
	Access to finance	COMMONIAND
	Mitigation of business risks	COMMONLAND

Creating a landscape partnership is the key to success.

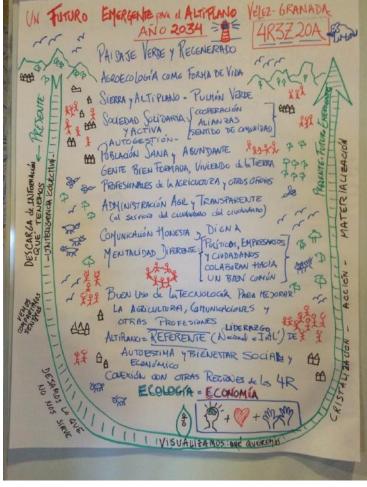




Theory U, MIT/ Presencing Institute.











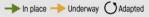
The 4 Returns framework provides stakeholders in and outside a landscape with a structured and systematic lens, that brings them together, while encouraging a long-term vision and focused action.





Element	indicator	Status
LANDSCAPE	Stakeholder map	-
PARTNERSHIP	Multi stakeholder agreement	→
SHARED	Nat/socl capital	→
UNDERSTANDING	Drivers analysis	→
VISION &	Vision	→
PLANNING	Action plan	→
	Spacial plan	→
TAKING ACTION	Actions resourced	O
	Effective implementation	+
IMPACT AND LEARNING	Monitoring system	O
	Learning strategy	-

Returns	Indicator	Target	Statu
INSPIRATIO	No of members	<2.000	350
	No partnerships	<60	10
	Inspiration project	<10	3
SOCIAL	No. farmers in transition	1,600	18
	% Next generation farmers and local entrepreneurs	95	75
	% Farmers reporting high quality of life	50	36
NATURAL	Ha combined zone under restoration	<70K	14
	% of priority eco-corridors under restoration	60%	5%
	Ton/yr of CO2 sequestration	86K	16
FINANCIAL	Pipeline development	100	18
	4 Returns businesses	15	3



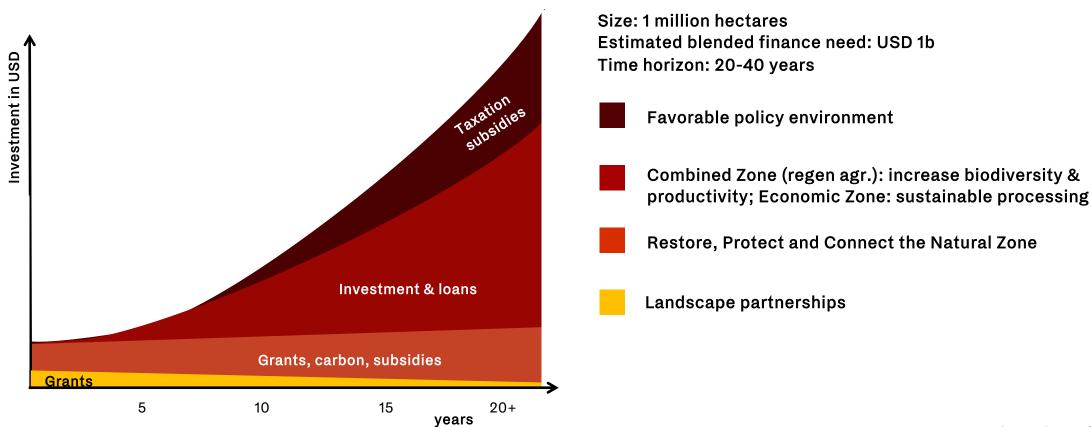
AREAS: 3 ZONES





Source: Commonland 2021

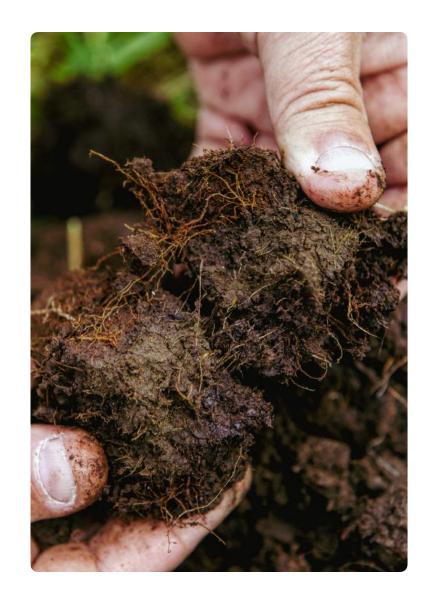
Carbon finance can accelerate landscape restoration



Source: Commonland 2022

Resume

- Carbon farming is not a panacea. It is part of the transformation, but only if maximising benefits for farmers, communities, and ecology is prioritised.
- Voluntary Carbon Market with its Nature-Based Solutions (NBS) is an important source of Landscape Finance.
- Minimising revenues for developers of carbon projects is necessary because it is not carbon but trust that is the most important currency.
- Within Landscape Finance, carbon finance will provide access to the financial sector, and as such it will be an important tool to transform it.



The greatest mistake in the treatment of our landscapes is that there are physicians for agriculture and physicians for ecology, although the two cannot be separated.

-Free after Plato - 347 BC.



Further reading

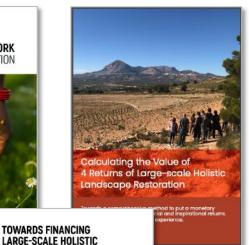
"The 4 Returns Framework for landscape restoration is a practical and tested system-change framework that can be used by stakeholders to undertake a landscape approach. The "landscape approach" seeks to balance competing stakeholder demands in a mosaic of different management approaches, to supply a full range of inspirational, natural, social and economic returns. After years of testing, the 4 Returns Framework for restoring landscapes is building a sound concept that can go to scale. It will be a valuable tool to achieve the goals of the UN Decade on Ecosystem Restoration."

Ms. Elizabeth Maruma Mrema,
 Executive Secretary of the UN Convention on
 Biological Diversity (at the start of the UN Decad on Ecosystem Restoration, June 2021)



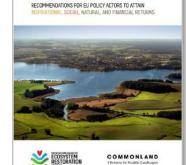
CEM CEM











LANDSCAPE RESTORATION



Thank you



www.commonland.com