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What is currently valued on farms?

JOURNAL

BEEF DAIRY SHEEP AGRIBUSINESS MACHINERY TILLAGE PEDIGREE BUILDINGS PROPERTY KNOWLEDGE HUB IRISH COUNTRY LIVING

Getting the farm valued – what's involved

Most farmers will at some point contact an auctioneer or other professional to have a valuation of the farm carried out. Here's what happens.



Paul Mooney PROPERTY > PROPERTY 5 January 2022





The land type will influence the value of the land. This land is from a 51ac parcel Quinn Property offered in September 2021 near Tinahely.

Trees and shelter

Having plenty of mature trees and large hedging on a farm may or may not add to value. They are not suited to tillage farming or intensive dairy farming. But they can suit cattle and sheep farming.

Designation

Designations such as SAC and Hen Harrier tend to have a negative effect on land value. But such land is often of <u>marginal quality anyway</u>. Designation brings rules and restrictions on what farming activities can be carried out. In many areas, the value of designated land is in the region of €2,000/ac to €4,000/ac.

What is value?

- 1."the regard that something is held to deserve; the importance, worth, or usefulness of something."
- 2. "principles or standards of behaviour; one's judgement of what is important in life."



Value implies the worth of the good or service for an individual. Price is the amount of money paid by the buyer to the seller in exchange for any product and service.

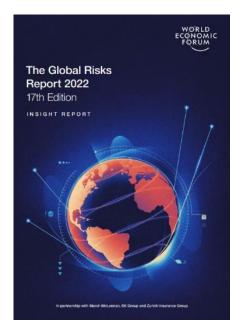


Value of nature

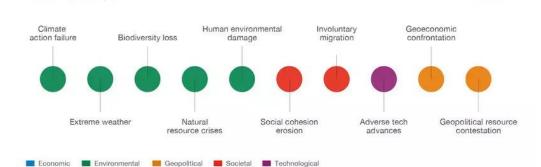
The Economics of Biodiversity The Dasgupta Review







Top Long-Term Global Risks

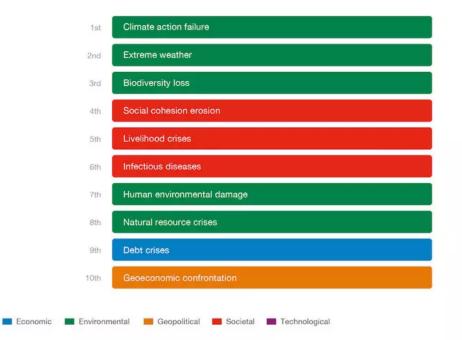


WORLD ECONOMIC FORUM

Top 10 Global Risks by Severity



Over the next 10 years



Source: World Economic Forum Global Risks Report 2022

Source: World Economic Forum Global Risks Report 2022

Over the next 5-10 years



Farmers' goals and values

Income Pride Recognition Tasks

Total value of nature

- Marketed goods: price can be used as a proxy
- Non-market goods: use, preference, replacement costs can be used as proxies
- Everything else: no price, but doesn't mean no value



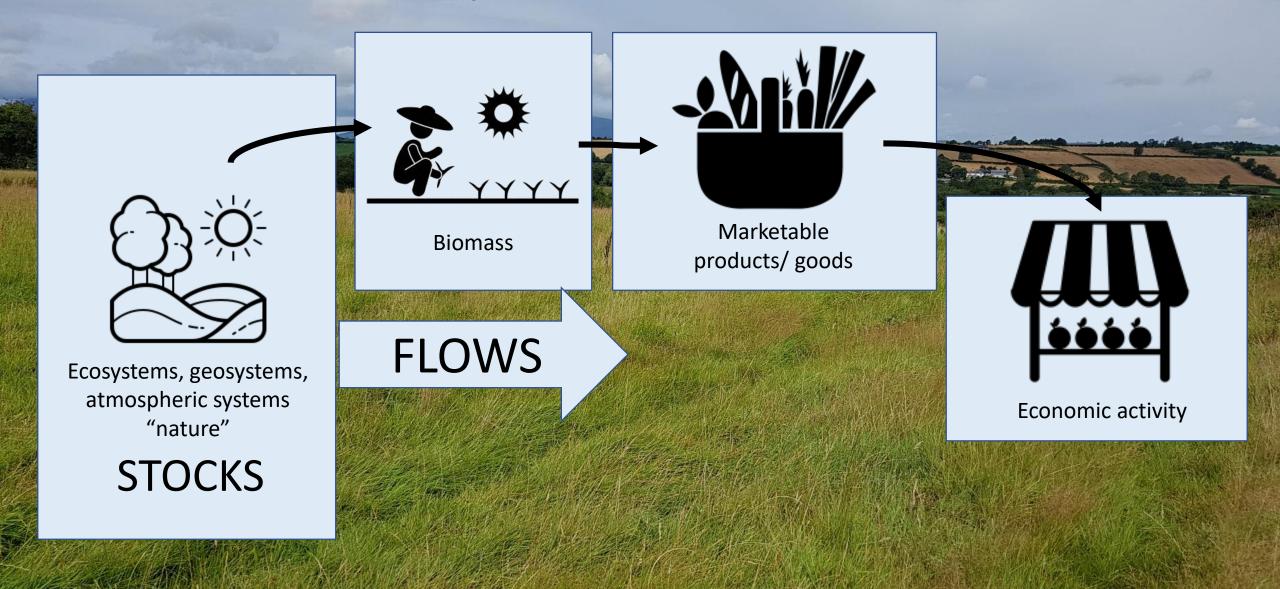
- Price doesn't reflect all costs of production
- eg surveys, measures of activity



* Natural capital approach is not about putting a price on nature

Natural capital approach is about valuing nature

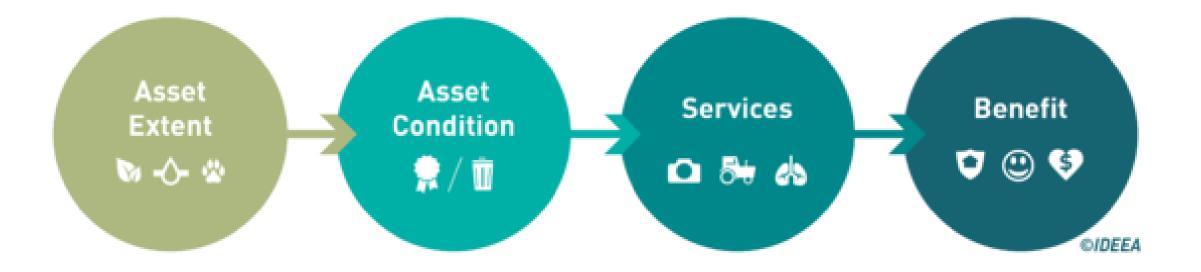
What is natural capital?



Natural capital accounting: a systematic way to measure and report

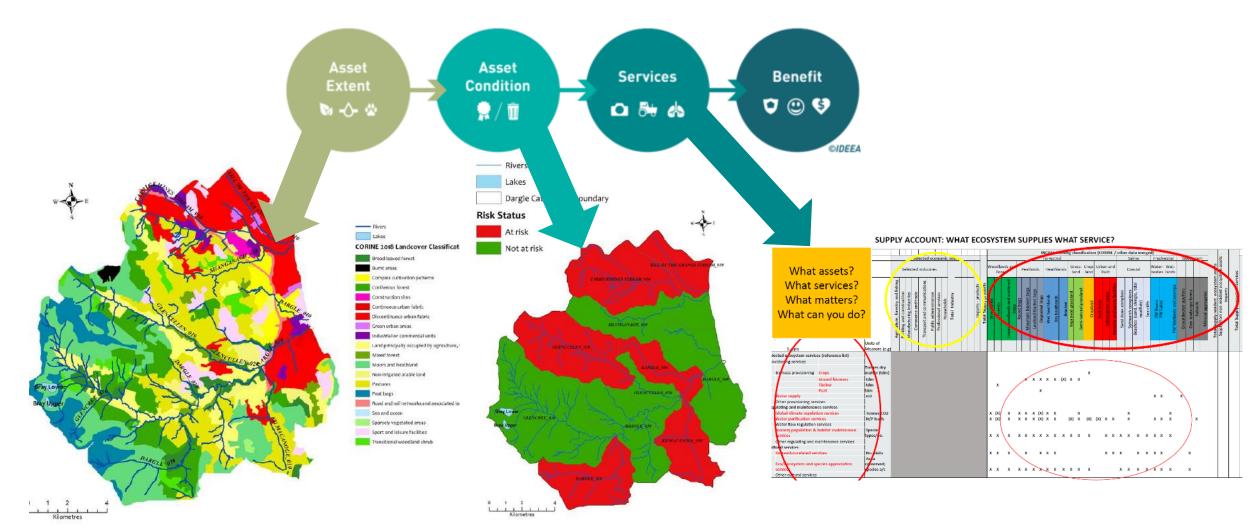


SEEA-Ecosystem Accounting





www.incaseproject.com



Farrell et al. 2021 https://oneecosystem.pensoft.net/article/65582/



Carbon storage

Habitat for natural enemies/pollinators

Fodder for livestock











www.biorbic.com/farm-zero-c

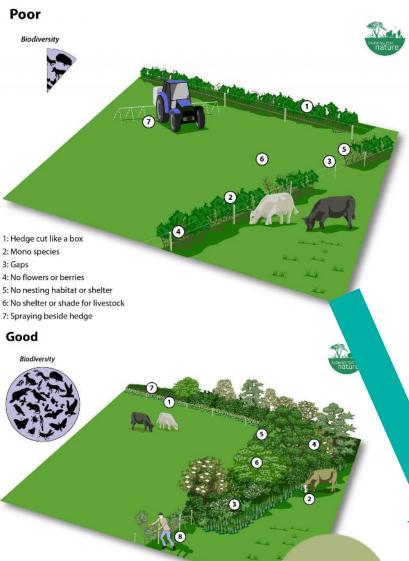




Good condition



Photos by Cian White



1: Temporary fencing during main flowering period and grazing later summer on rota 2: When hedgerow is fully mature, allow cattle to graze to keep back encroaching scrul 3: Flowers in Spring, berries in Autumn 4: Ample shade and shelter for livestock 5: Allow to grow up and out

- 6: Good diversity of tree species
- 7: Trimmed back in sections only over an extended period

8: Laying hedge



FARMING FOR **nature**

Asset Condition **Q**

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www.farmingfornature.ie

Ecosystem service	Unit		BL2 BL3 Basic spatial unit numb					nber		
		1	2	3	4	5	6	7	8	9 Farm
Hunting	kg/yr	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Drinking water extraction	m3/yr	58	58	58	58	58	58	58	58	58
Crop production	kg/yr	0	0	0	0	0	0	0	0	0
Fodder production	kg/yr	935	935	0	935	935	0	681	0	0
Air quality regulation	kg/yr	0.6	2.3	2.3	0.6	2.3	2.3	0.6	2.3	2.3
Carbon sequestration	kg/yr	11	11	91	11	11	91	0	0	0
Recreational cycling	trips/yr	0	4	4	0	4	4	4	1	1
Land cover	-	Grass land	Grass land	Forest	Grass land	Grass land	st	Crop land	Crop land	Crop land
				set tent	Asset Services			rvices	Benefit	

TOOLS for FORESTERS



WE MAP

Forests provide timber but also support biodiversity and other public benefits. We map specific forest sites using a Natural Capital Accounting approach to quantify forestry stocks and the various flows of benefits.



WE MEASURE

By assessing the quantity, quality and location of forest stocks, we can determine the flows of commercial timbe production and other benefits such as carbon sequestration, water retention, biodiversity and recreation.



WE MODEL

Looking at different land management scenarios, we can co-develop tools for foresters to enable robust and transparent management decisionmaking to enhance sustainability.



An Roinn Talmhaíochta, Bia agus Mara Department of Agriculture, Food and the Marine FORES COLLTE

Valuing Natural Capital for the Future

- Need to value farmland more broadly for multiple benefits
- Natural capital approach is about stocks & flows of benefits
- NCA => quantifying & tracking change in assets, condition, services & benefits
- Accounts can be generated at a range of scales to inform management



Irish Natural Capital Accounting for Sustainable Environments



FORES





The University of Dublin

