THE REGENERATIVE VITICULTURE FOUNDATION

Launch Event
28th March 2022

THE REGENERATIVE VITICULTURE FOUNDATION

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What is Regenerative Viticulture?
And why do we need it?

No till

Animal grazing

Cover crops

Composting

Minimise chemical use

Agroforestry

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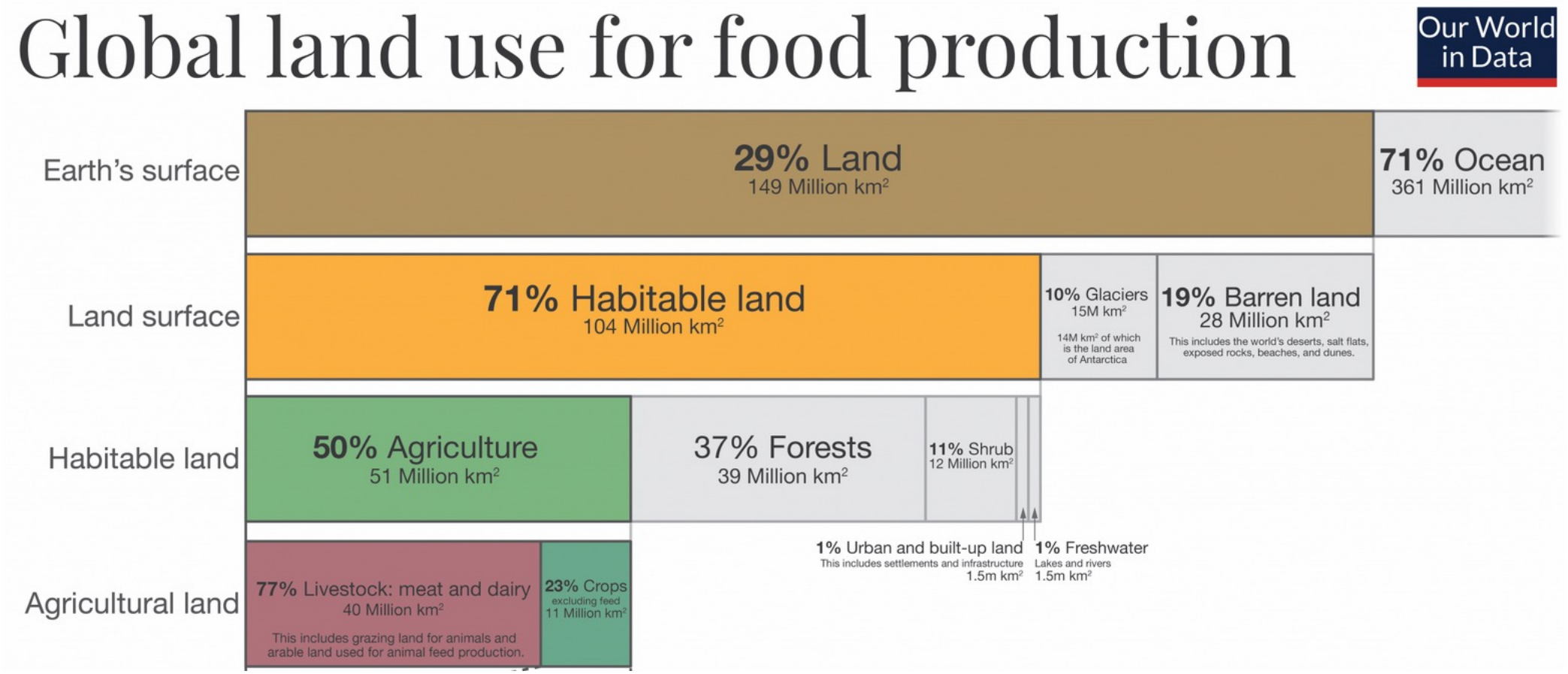

11 Million km2 = 1,100 Million Hectares

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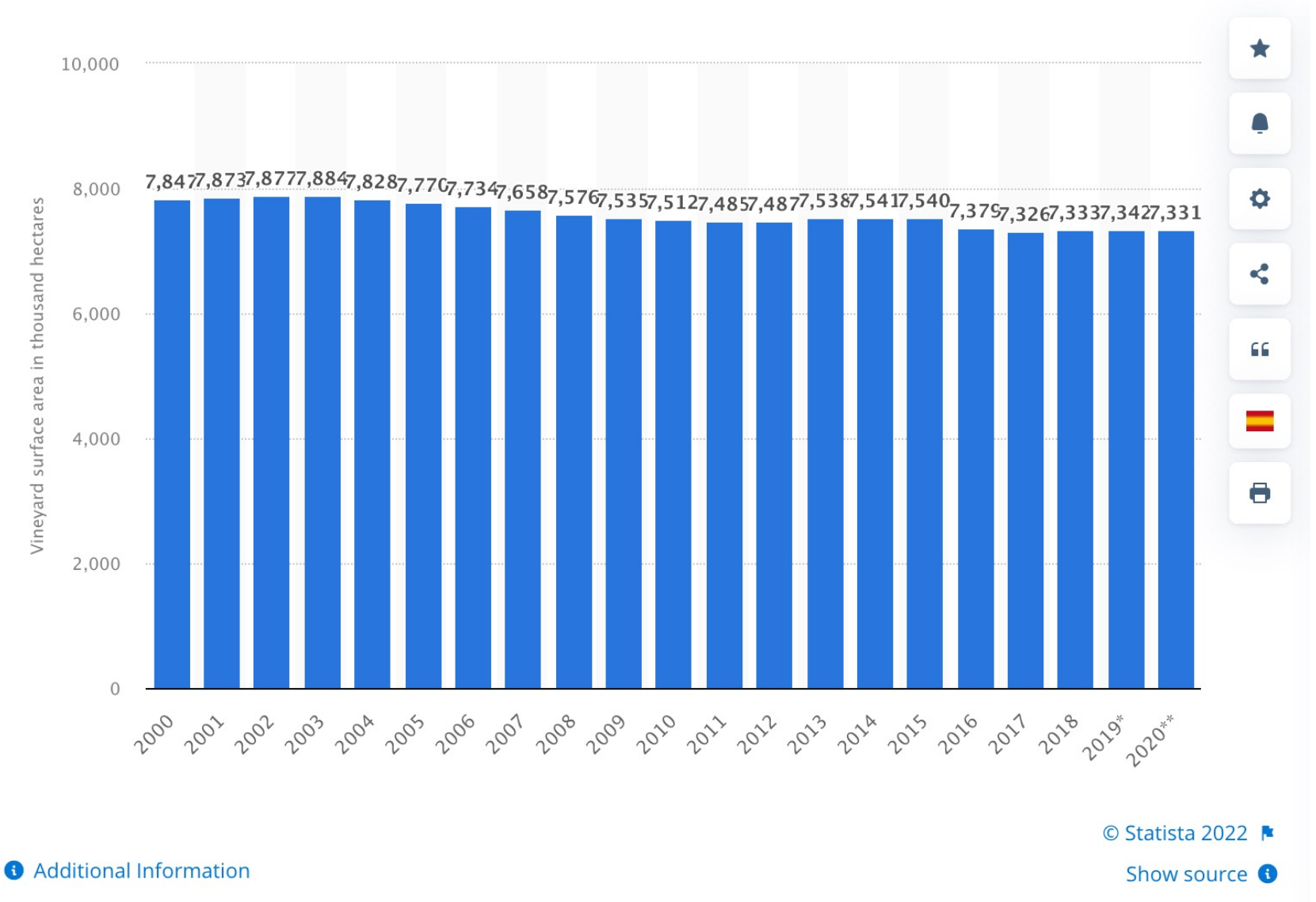

7.3 Million Hectares of land is planted to vineyards. Less than 1% of arable land.
This is the land within ‘our’ control.

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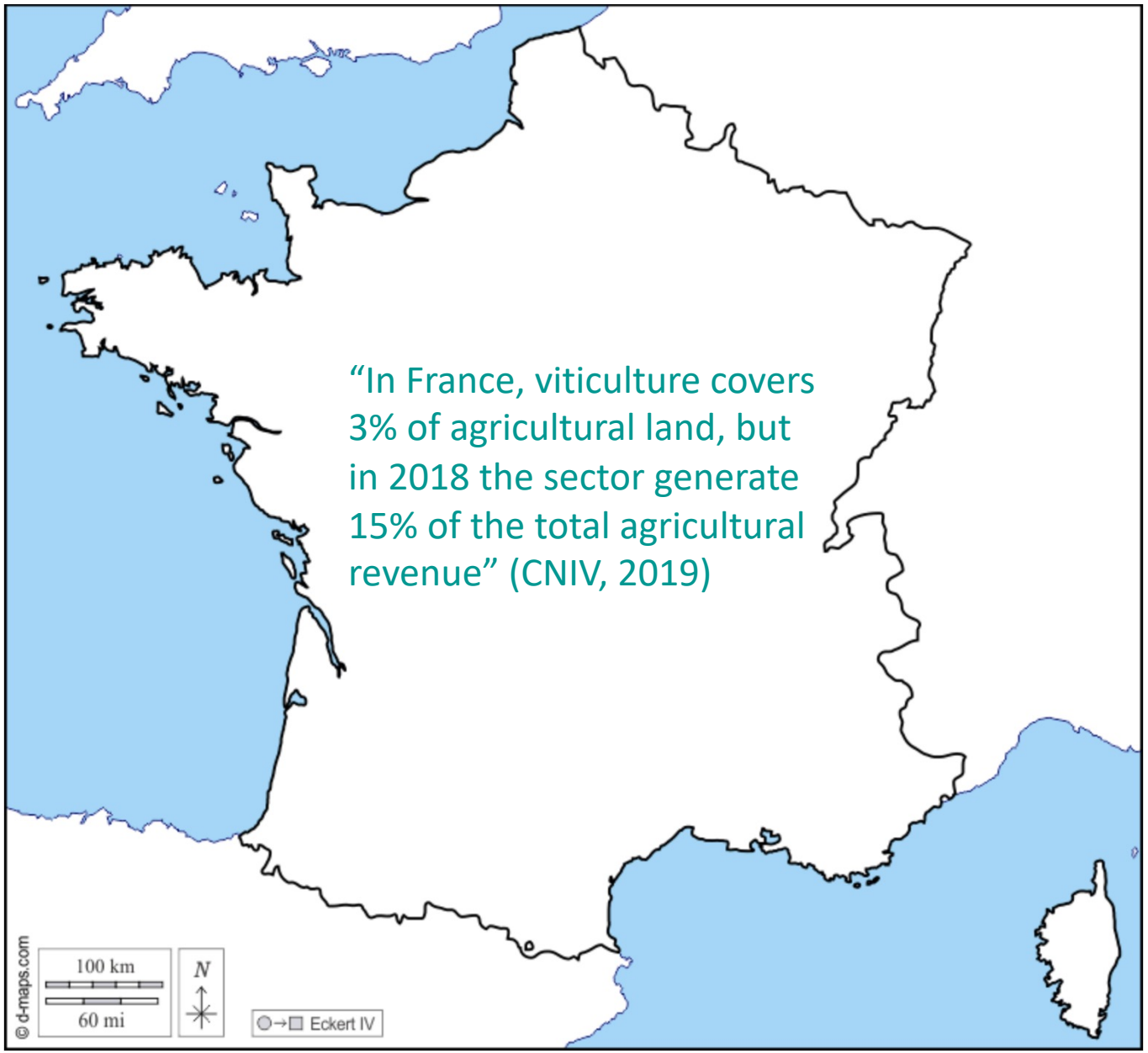

Vineyard land punches above its weight, economically and in leading the conversation about land use

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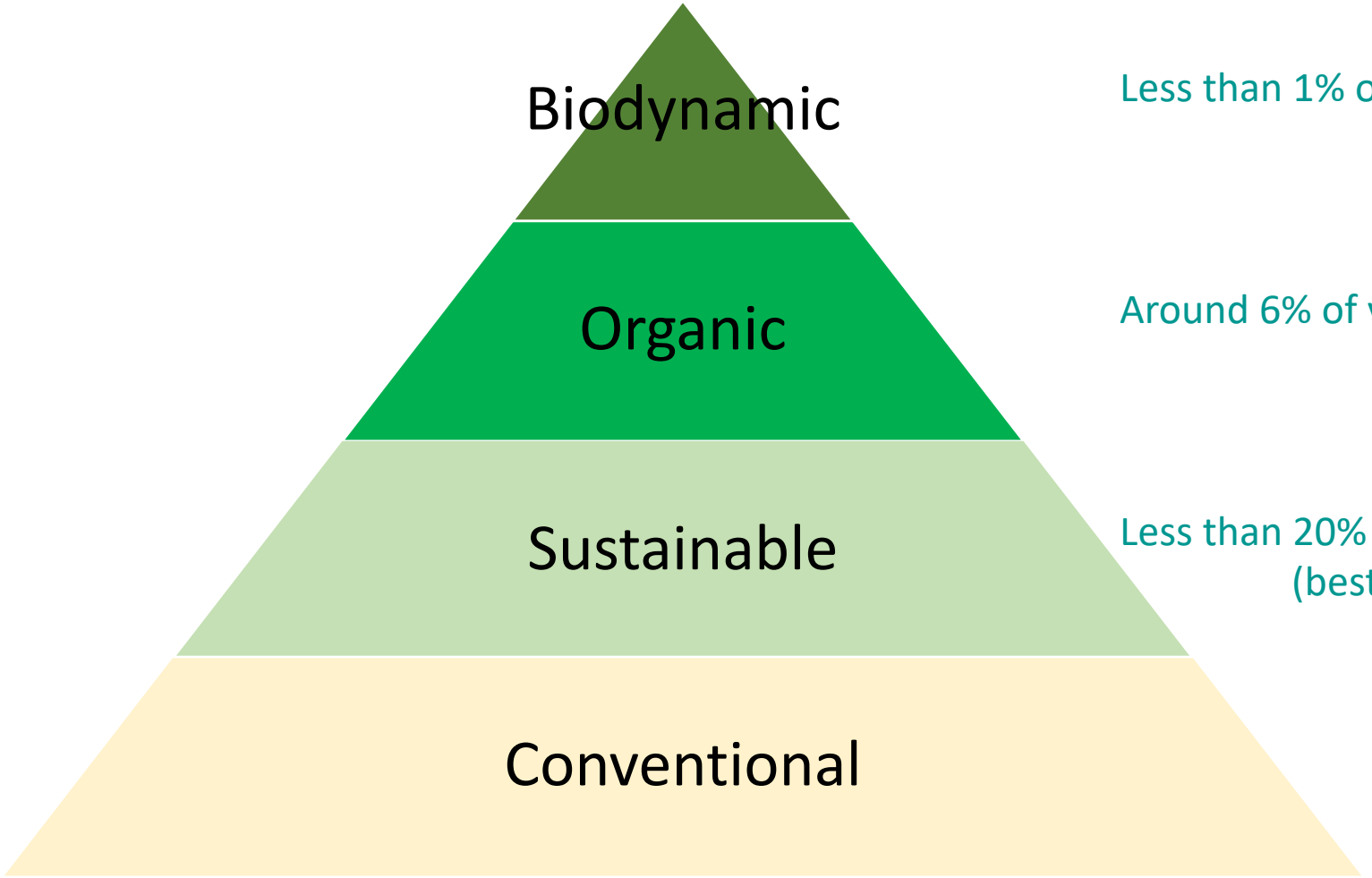

Less than 1% of vineyards

Around 6% of vineyards

Less than 20% of vineyards
(best guess)

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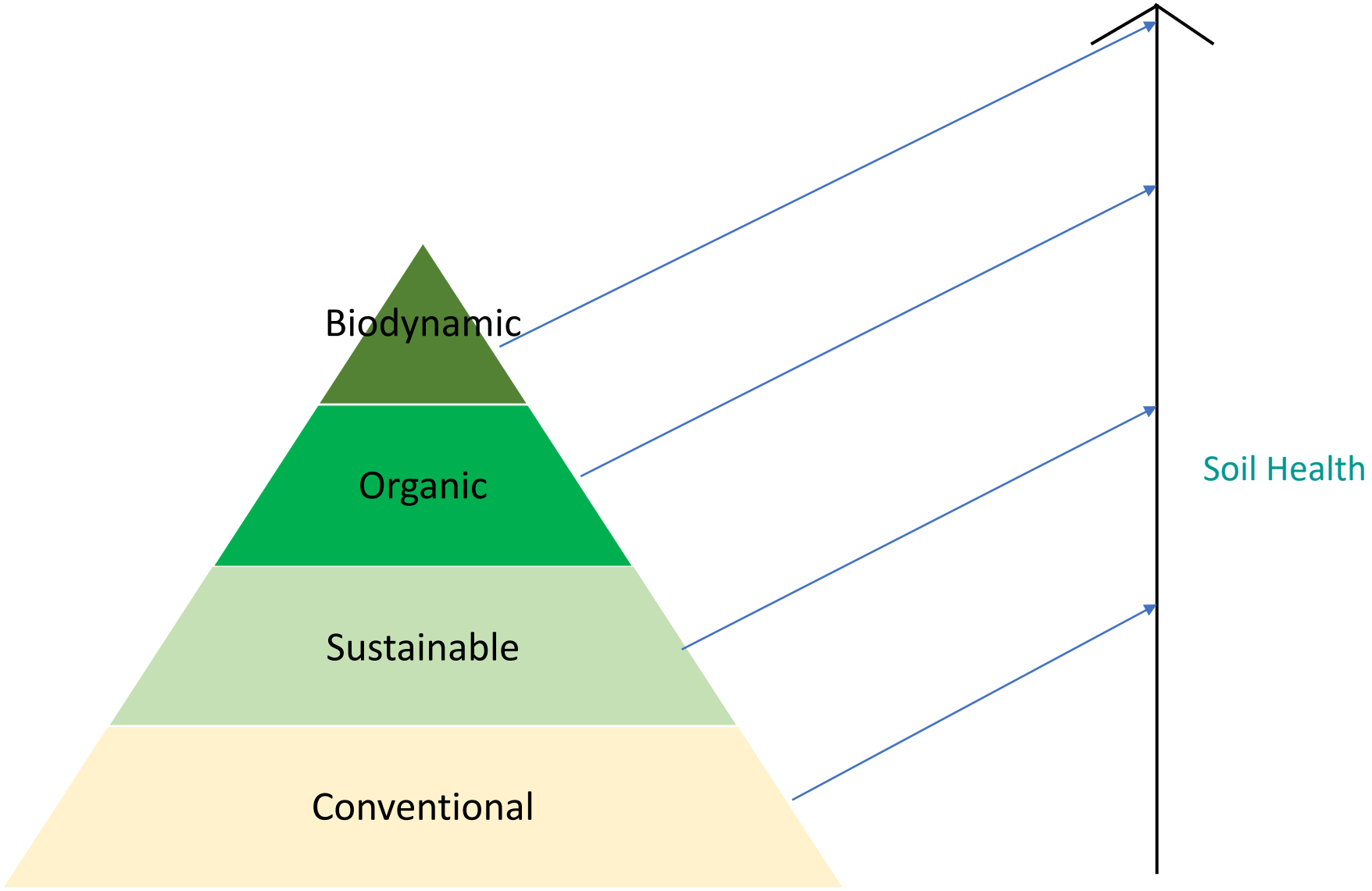

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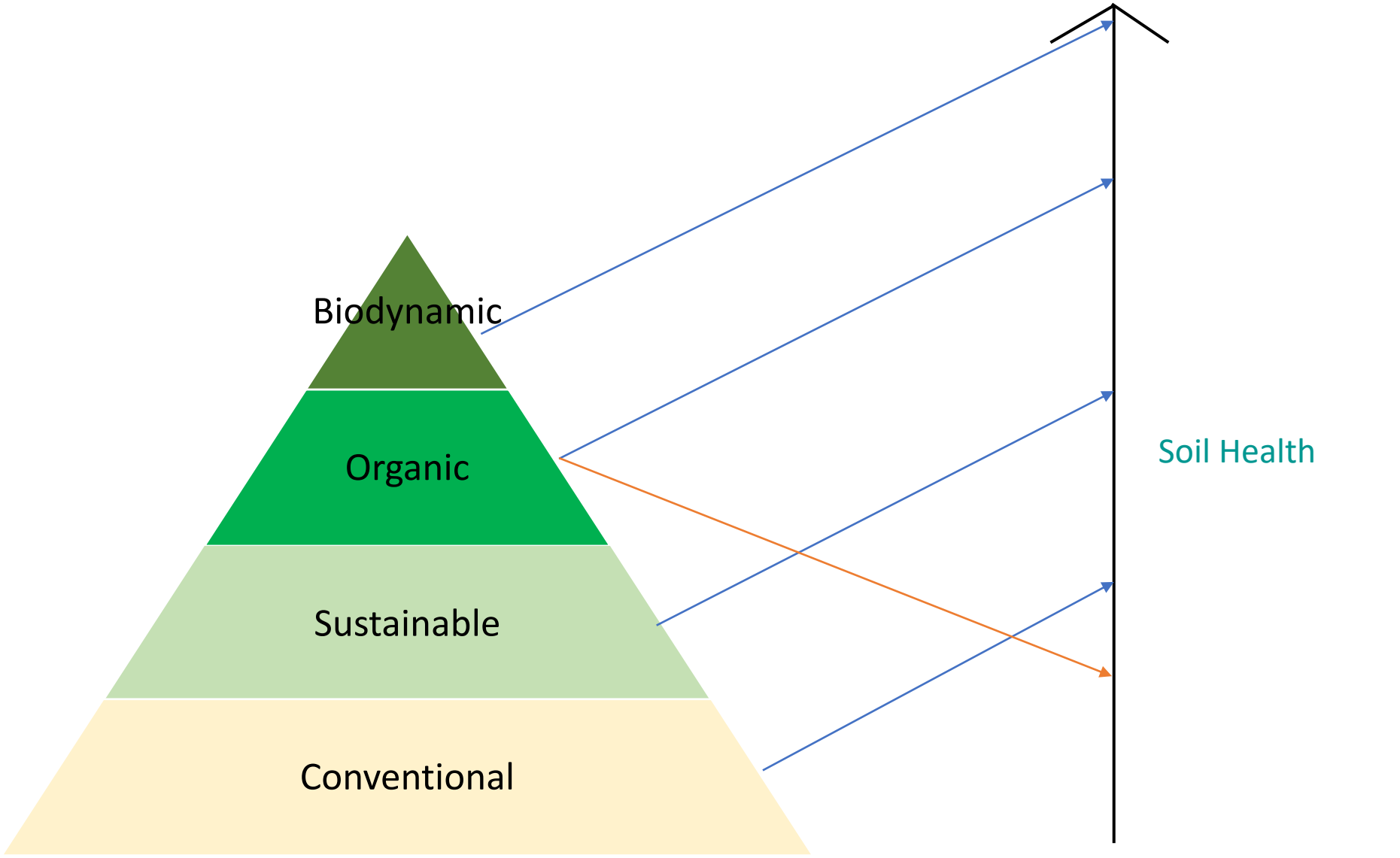

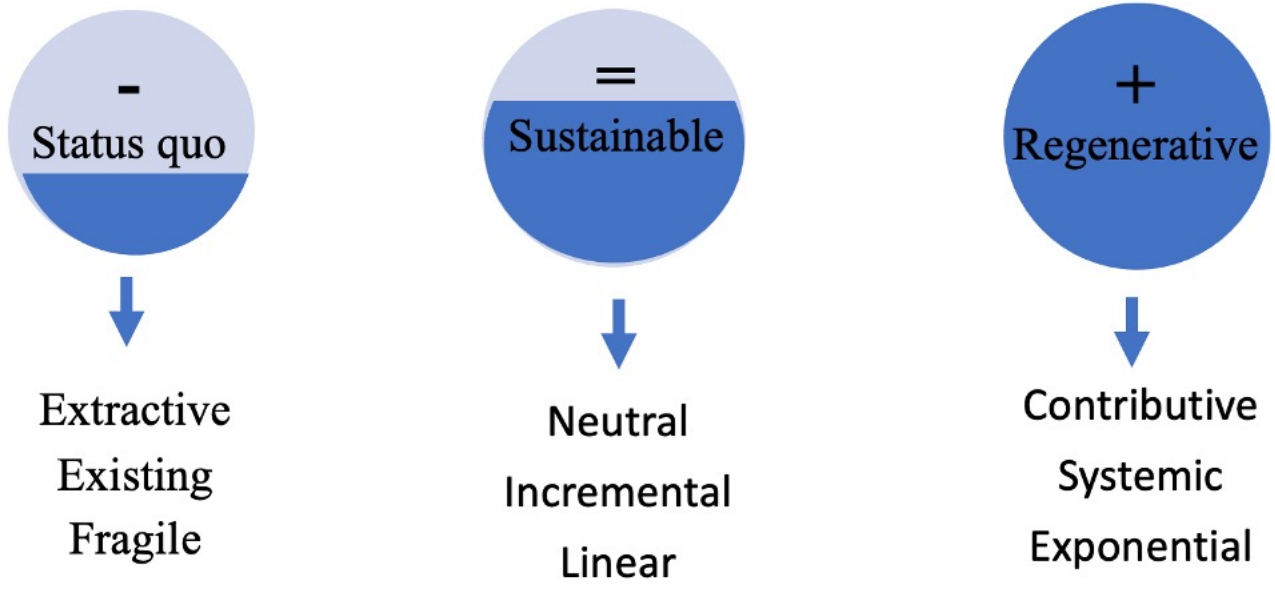

Figure 1. The regenerative approach goes beyond sustainability.

Figure adapted from Fitzgerald (2021, cited in Villat 2021)

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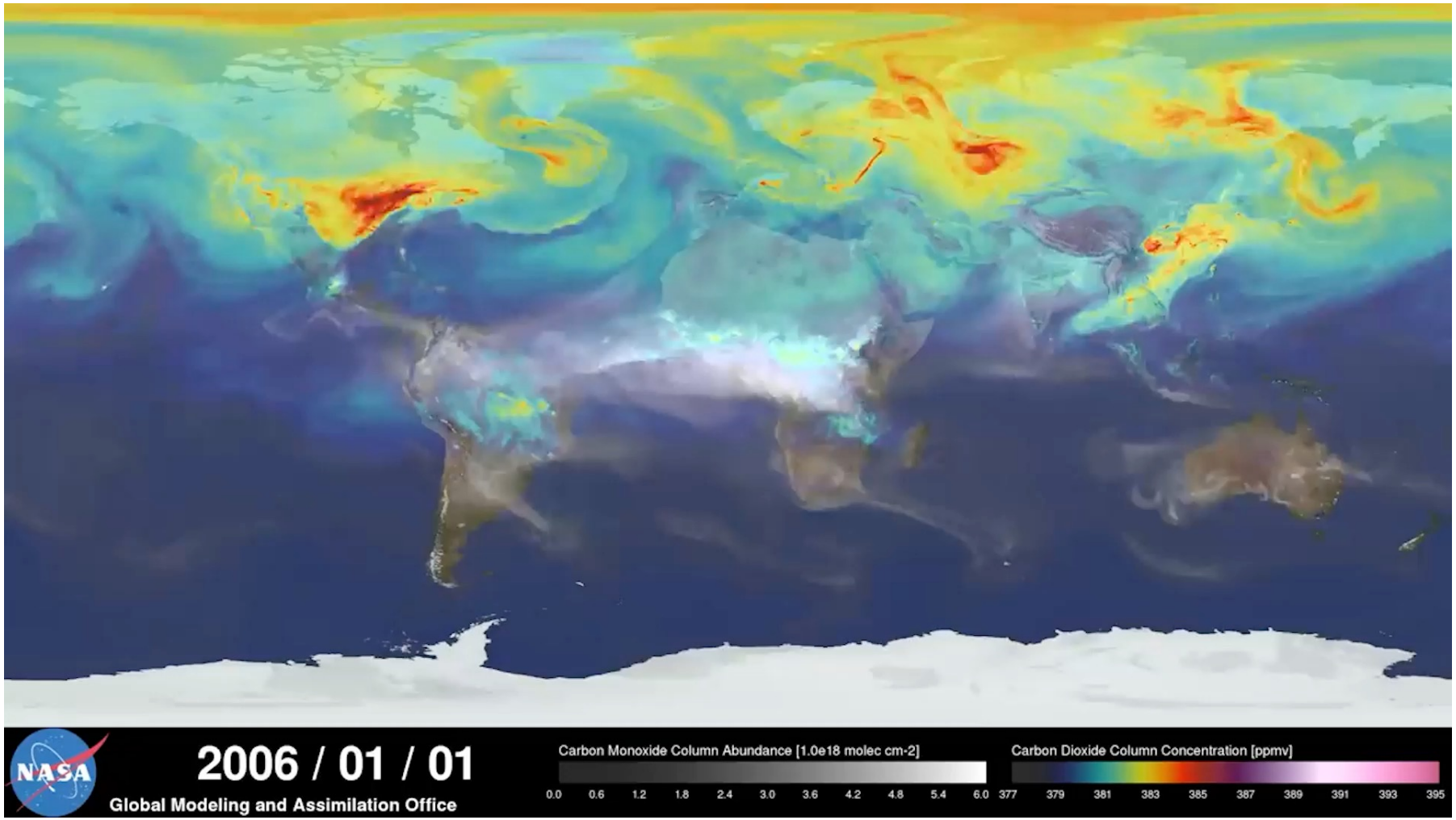

NASA computer modelling of CO2 emissions over 1 year – red/purple = high CO2

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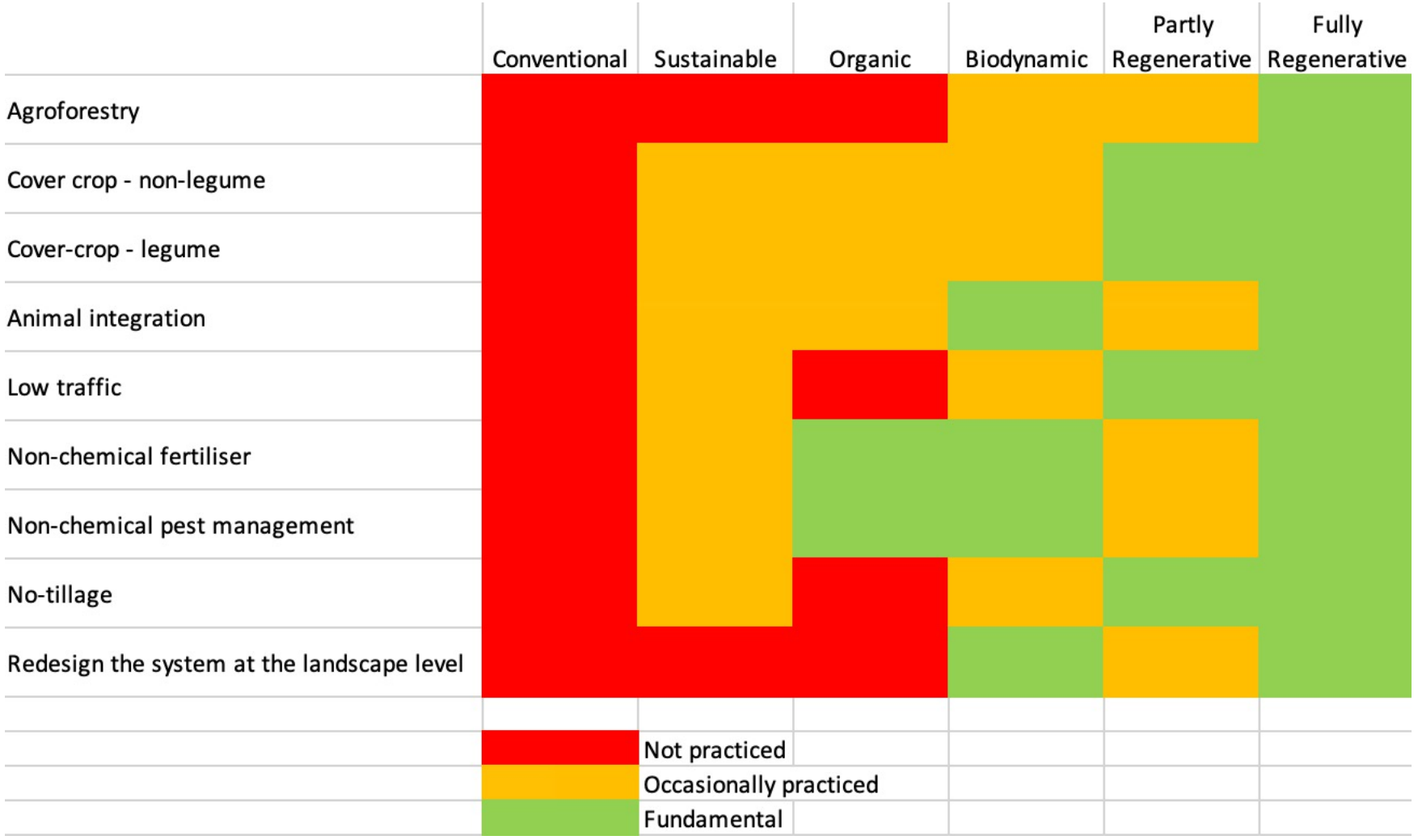
Developed based on the 9 soil regenerative practices in viticulture from Villat (2021)



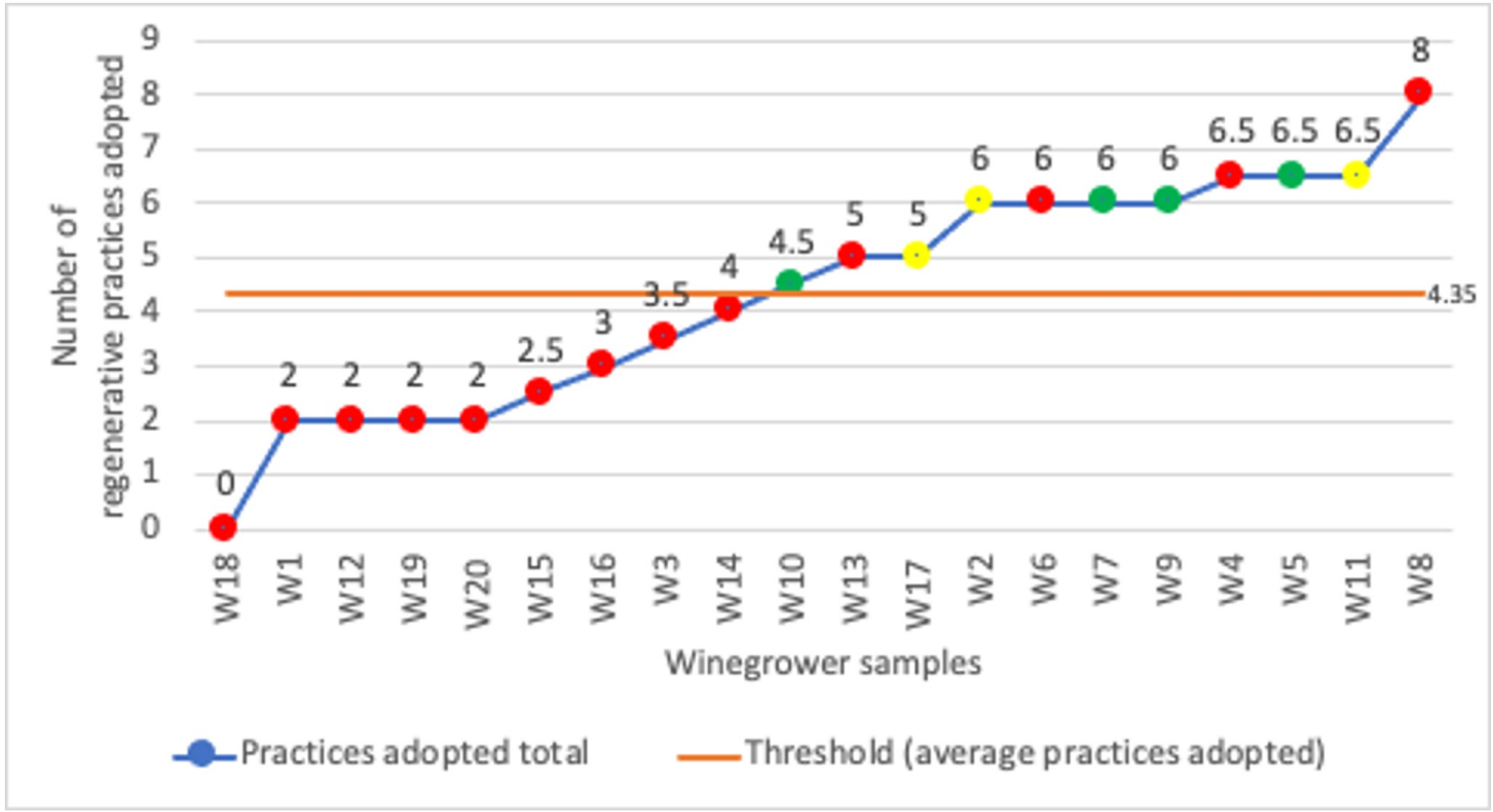


Figure 5. Threshold between regenerative and non-regenerative winegrowers.

Note: Winegrower certification is indicated by the color of the dots. The color key for the winegrower samples is as follows: red dots = conventional, yellow dots = organic, and green dots = biodynamic.

Source (Villat, 2021)

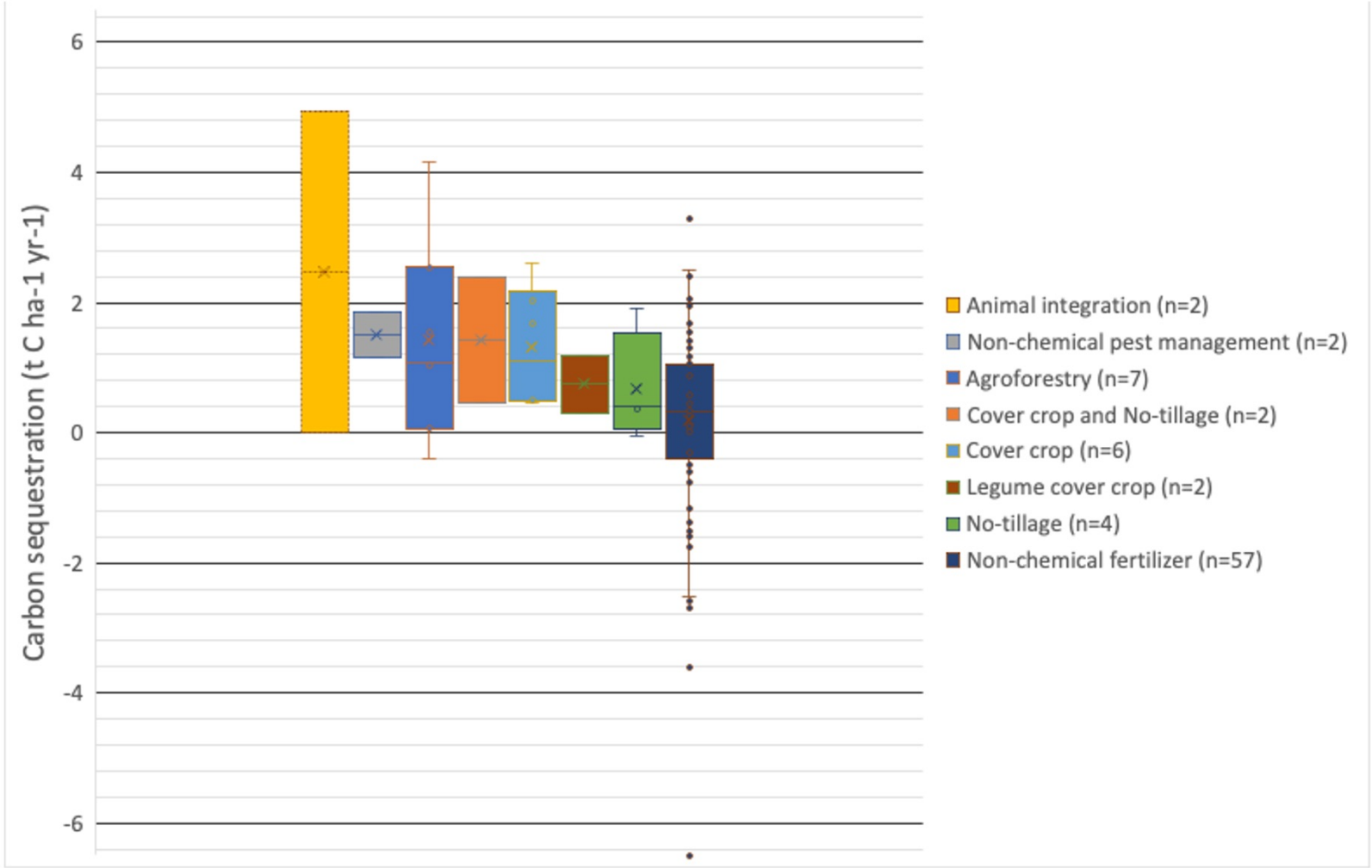


Figure 9. Below-ground C sequestration rates for practices on woody perennial land.

Source (Villat, 2021)

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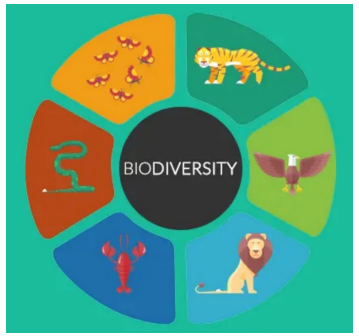
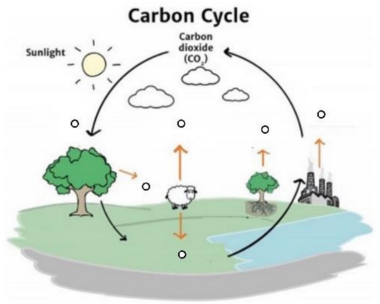


Increased biodiversity

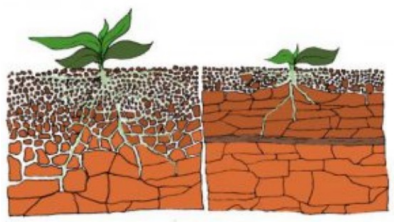
Better water retention capacity



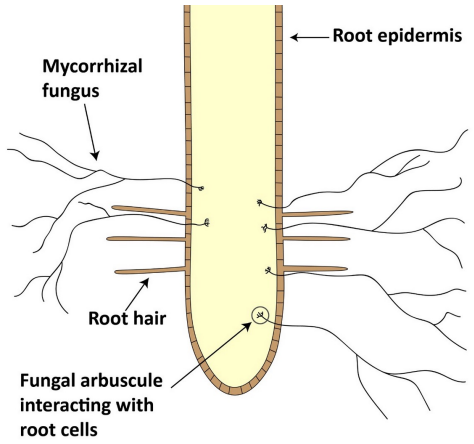
Carbon cycle and water cycle functioning properly

Reduced input costs

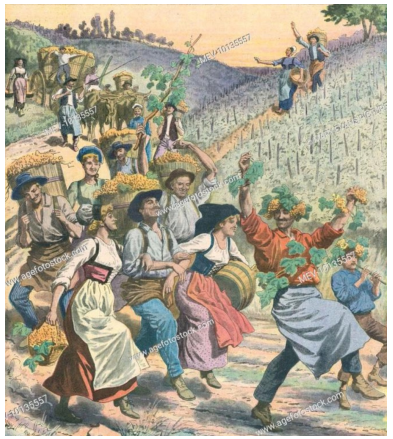
Less exposure to fast-rising fertiliser costs



Less compaction



Healthy mycorrhizal networks



Happier team!

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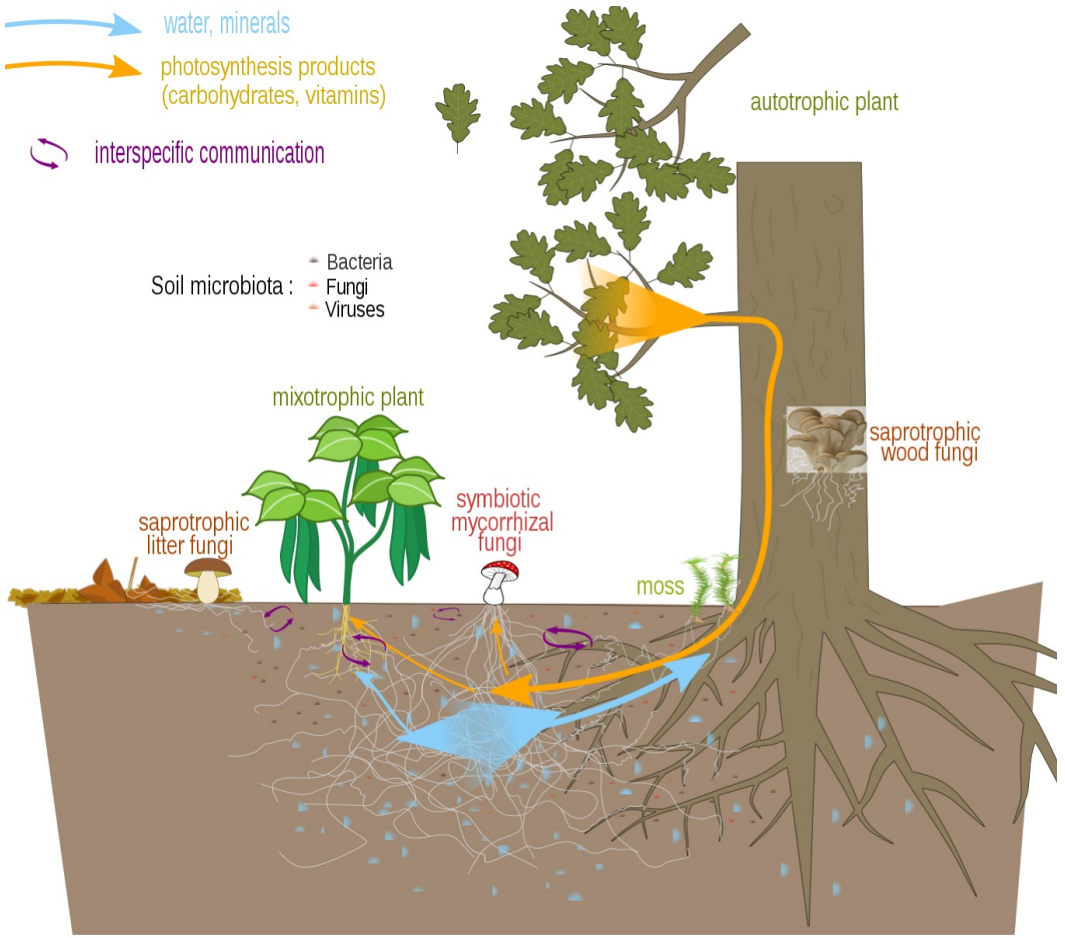
The Network effect

The soil network

- Woody perennial plants
- Annual plants
- Mycorrhizal fungi
- Soil bacteria
- Viruses
- Tardigrades
- Algae
- Protozoa
- Arthropods
- Nematodes
- Earthworms



The wine network

- Vineyard owners / workers
- Winemakers
- Academics
- Consultants
- Financiers
- Wine Traders
- Consumers
- Journalists / Influencers
- Public Relations team
- Marketers
- Logistics

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A murmuration of starlings over Lough Ennell in County Westmeath, Ireland, has been shortlisted in the Natural World Wildlife category

JAMES CROMBIE/SONY WORLD PHOTOGRAPHY AWARDS

Appendix – References

Villat, Jessica. 2021. Down to Earth: Identifying and Promoting Regenerative Viticulture Practices for Soil and Human Health. Master's thesis, Harvard University Division of Continuing Education.