

There is no Planet B

By Mike Berners-Lee

Agenda

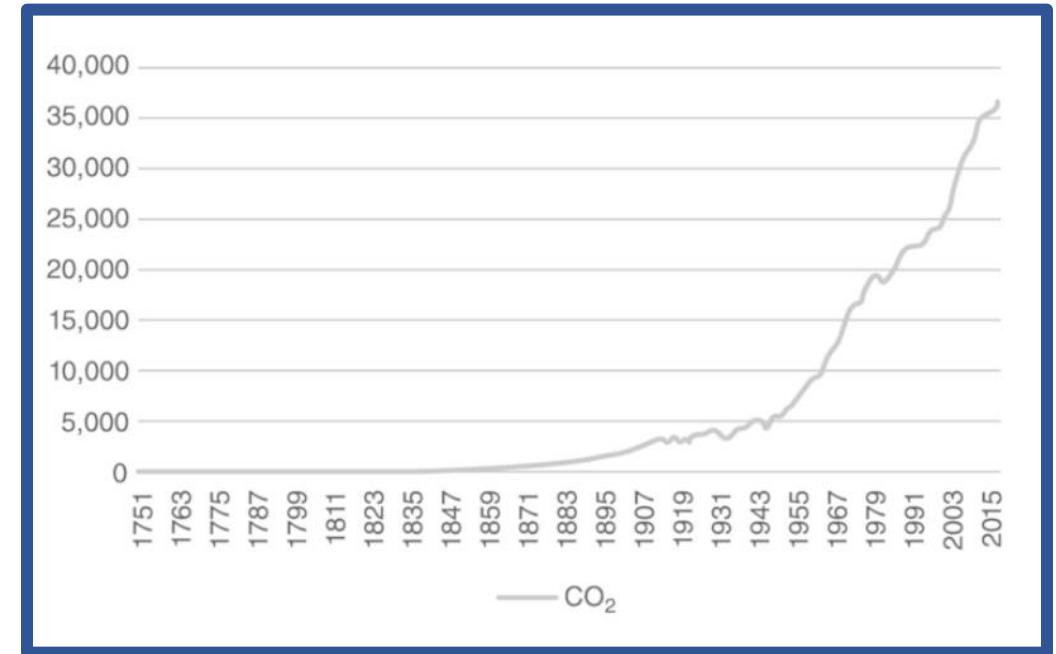
- I. Environmental Degradation – Erik
- II. Recycling and Waste - Dayna
- III. Benefits of Naturalizing Lawns - Eric
- IV. Pollution and Recycling – Ryan
- V. Conclusion

The Decline of Biodiversity



Emissions of carbon dioxide, the most important greenhouse gas have grown exponentially for 160 years with an annual growth rate of 1.8%.

There are around 7.5 million different species. Sadly, we are losing some of these types at a rate of 0.01% to 0.1% per year. This means that we are losing between 750 to 7,500 species every year.



Your Carbon Footprint

The average person travels 3,921 miles per year: 57% of these are by road, 23% on foot, 7% by rail and 13% by plane.

4

Planes emit the most carbon dioxide compared to any other mode of transport, with petrol cars being second. Burning fossil fuels is the largest emission of carbon dioxide, so it is important to be aware and try to use other forms of transportation when possible.



What can you do?

Some things that you can do include walking and biking when possible, consuming less and recycling, being more proactive, such as emailing politicians, and staying informed, and shopping ethically, this includes buying products that do not use harmful plastics and can last a long time.



1

Walk and Bike

2

Consume Less

3

Recycle

4

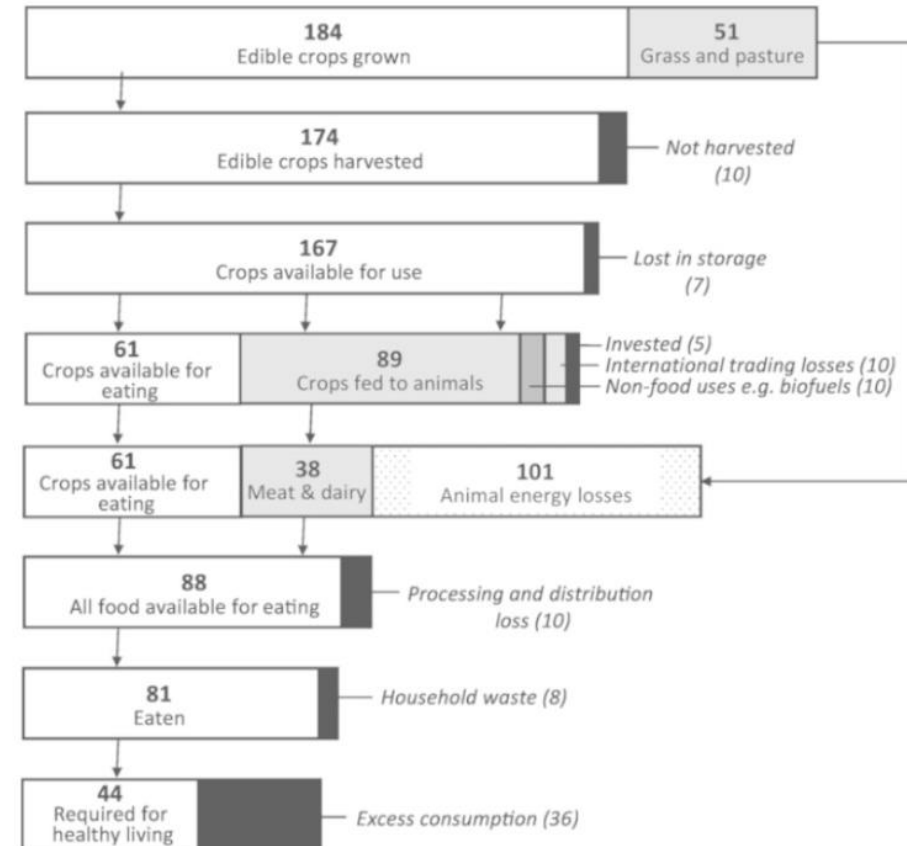
Be Proactive

5

Shop Ethically

1 – Food (Dayna)

"At the global level, we grow 5,940 [calories] per person per day. That's nearly two and a half times as much as the 2,350 [calories] per day that the average person needs to eat to be healthy." (p. 13)

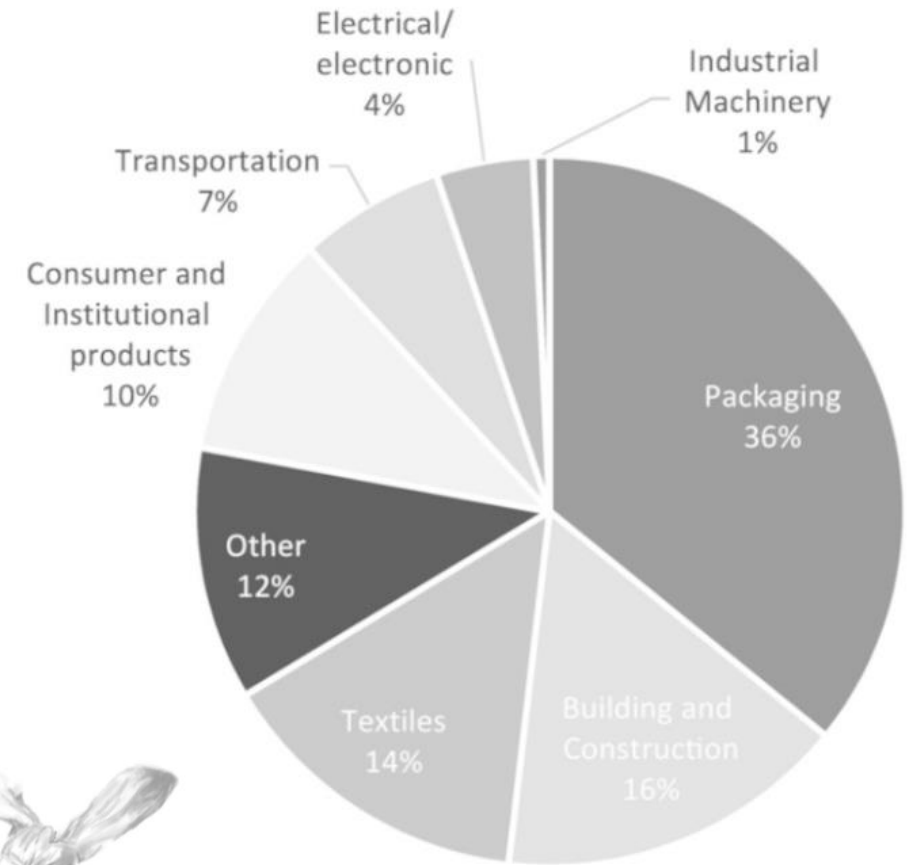


2 – Climate (Dayna)

7

"Over a third of all our plastic is used for disposable packaging. To look on the plus side, recycling rates have gone from an all-time average of just 9% to nearly 20% [as of 2021]. But to look on the negative side, this is still pitiful and the growth in recycling rates has been dwarfed by the overall growth in plastic production, so that the amount getting chucked out every year is going up not down." (p. 65)

- Rebound effects



Eric – 3

- Fossil fuels account for 83% percent of energy used, and this number needs to be zero or as close to zero as possible
- Renewable sources are more efficient for most things, but can't replace aviation fuels (need to grow biofuel)
- Solar is the most efficient and best choice of all renewable sources. Most countries have enough land to supply the world, sharing is the major issue
- Carbon must be taken out of the air (biomass)

8

Ryan Chapter 5 Growth, Money, Metrics

- Possibly page (167/166 quote) no graph though
How expensive will carbon need to become?

9

Possible quote: "The price needs to be enough that the fuel stops coming out of the ground".

-Microsoft adapted

Ryan Chapter 8 Values, Truth, and Trust

- Quote on bottom of page (193)
- "Respect and care for the world; its beauty, life supporting complexity and all its life forms."
- "Respect the truth"

-If anything will change in the world, we all need to work together and trust.

Eric – Appendix