



What is a 'carbon footprint' and why should I care?



Planetary Health

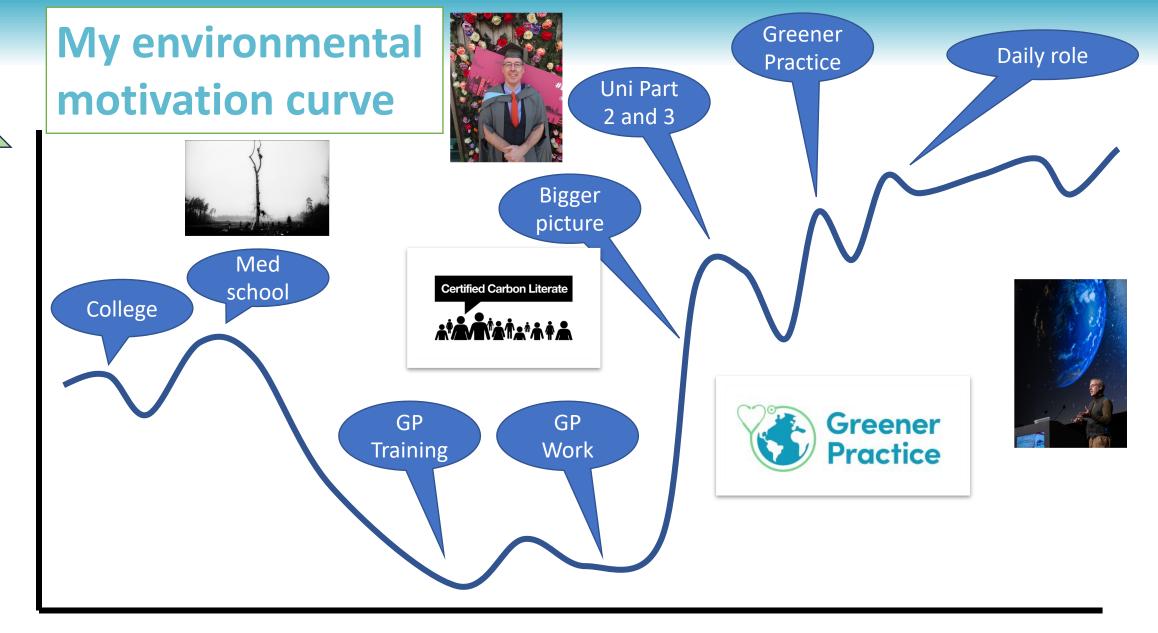
People, Places, Planet

Dr Matt Sawyer

22nd Sept 2023



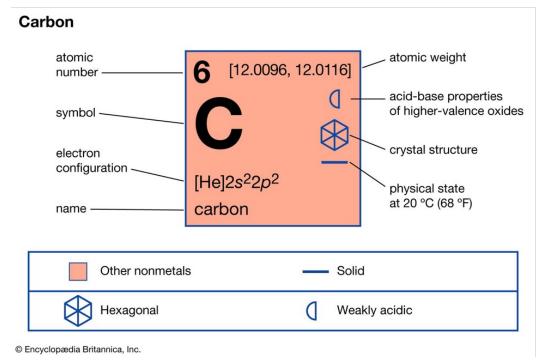




Teen 20s 30s 40s 50s



What is a carbon footprint?







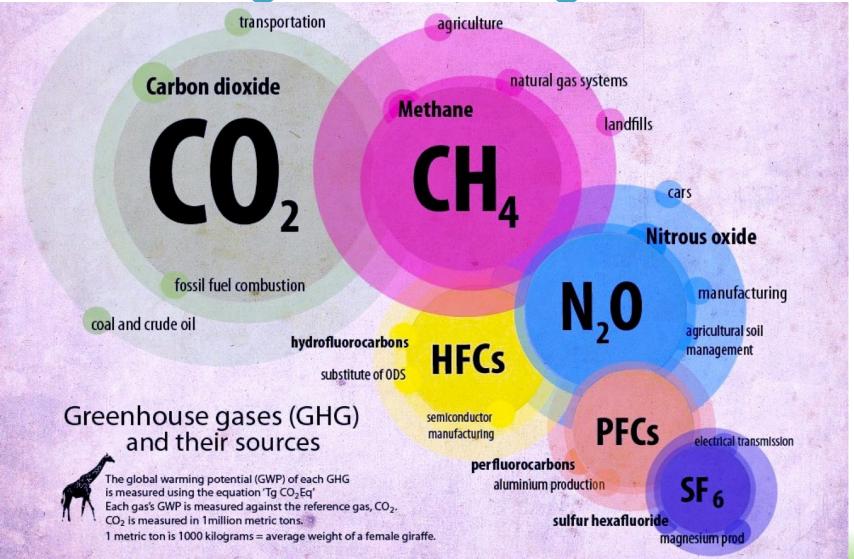
What is a carbon footprint?

"A carbon footprint is the total greenhouse gas emissions caused by an individual, event, organization, service, place or product, expressed as carbon dioxide equivalent."



(6)

What is a greenhouse gas?



Carbon Dioxide equivalent (CO₂e)

 $CO_2 = 1$

 $CH_4 = 28$

 $N_20 = 273$

F gases = 1,000s-10,000s



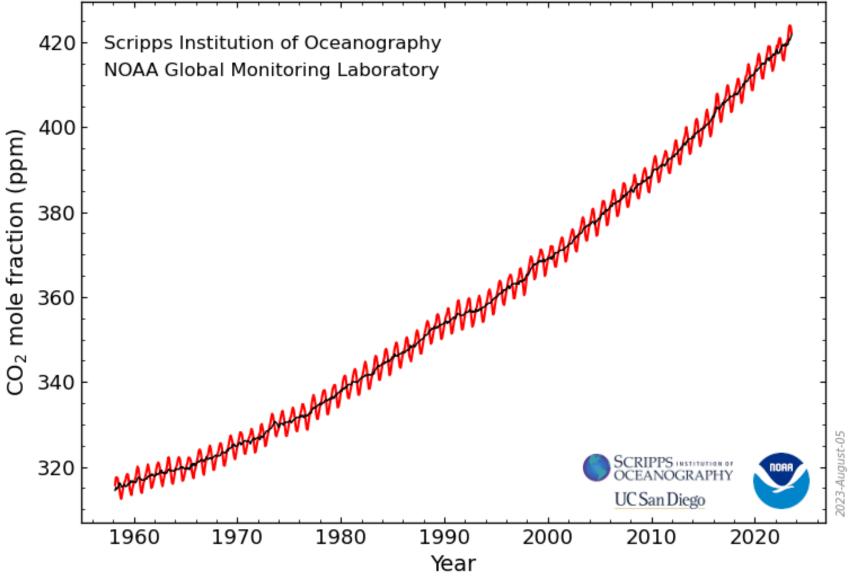
Why should

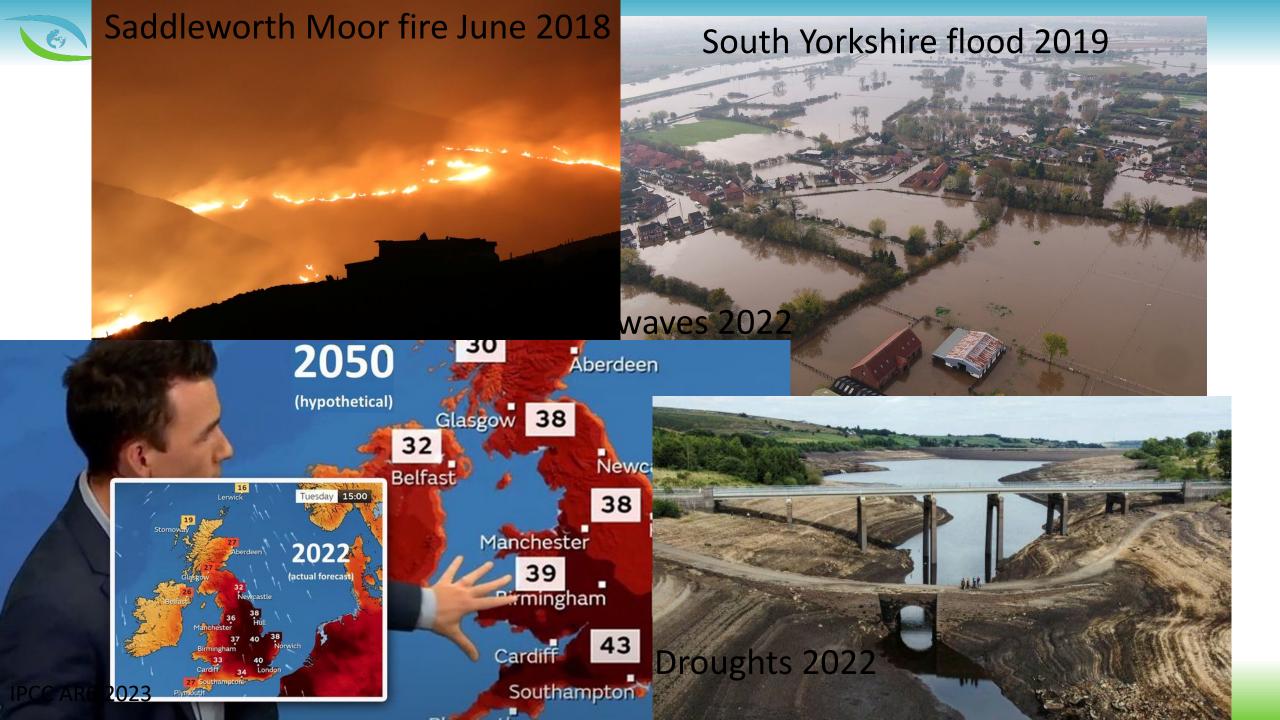
A. Current Status and Ti

Observed Warming and

A.1 Human activities, principally caused global warming with in 2011-2020. Global greenholistorical and ongoing contriband-use change, lifestyles a between and within countribingure 2.2}



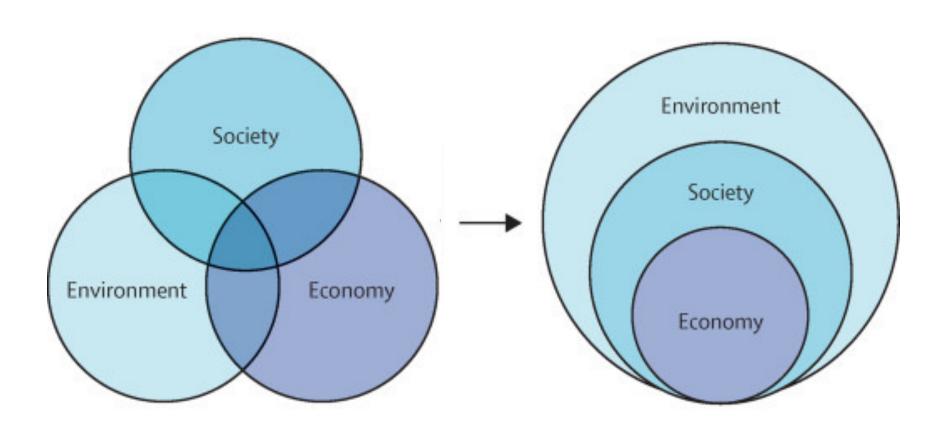






Intersecting model of sustainable development

Nested model of sustainable development



Health impacts

Causes of Wildfires

Carbon emissions including (but not exclusively) from the following sectors:

Climate Change

Food and agriculture

Energy

Motorized transport

Increased Rainfall

Climate impacts

Storms

Drought

Sea Level Rise

Heatwaves

Extreme events in general

Respiratory conditions

Vector-borne disease

Injuries and disability

Water-borne diseases (e.g. cholera)

Crop failure, food insecurity and undernutrition

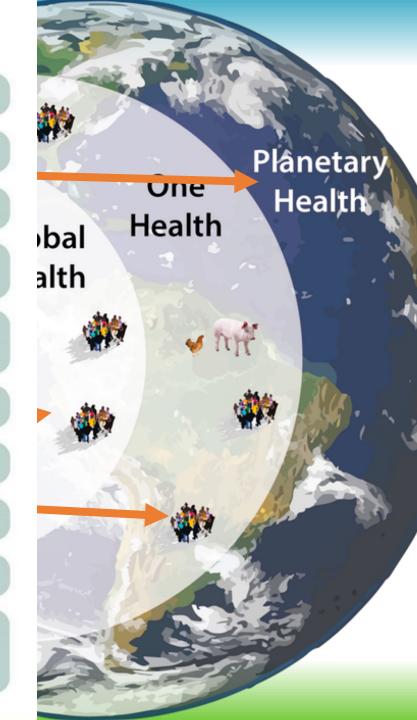
Chronic kidney disease

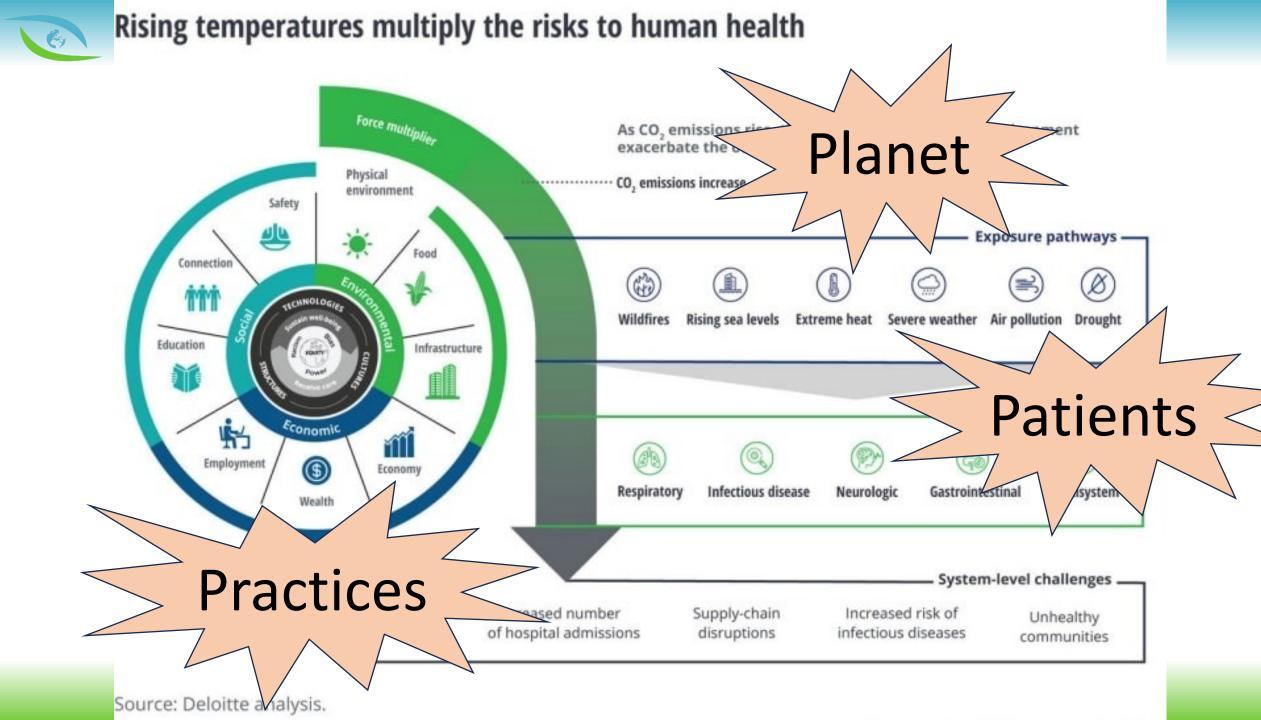
Cardiovascular diseases

Forced migration

Mental health impacts

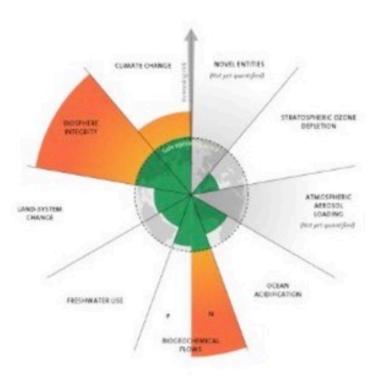
Disruption of essential medicines supply, including for HIV and TB





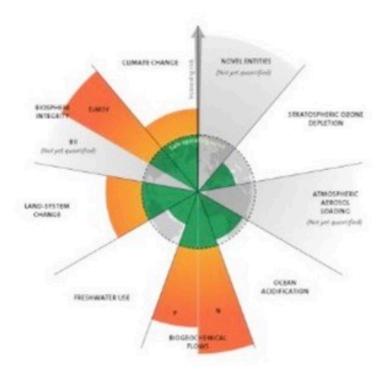
4

2009



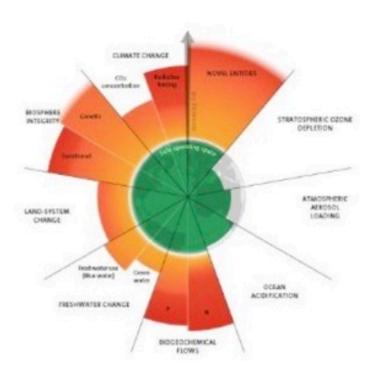
3 boundaries crossed

2015



4 boundaries crossed

2023

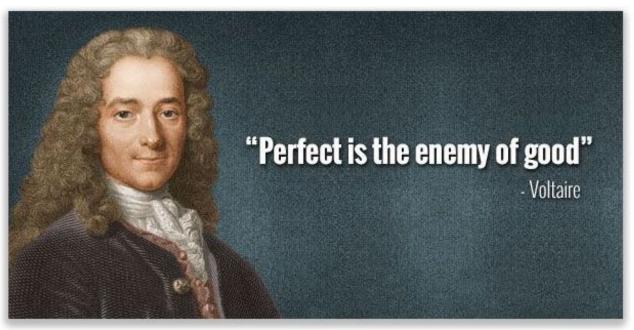


6 boundaries crossed

FLOWS

1. It's real
2. It's us
3. Experts agree
4. It's bad
5. there's hope





And now that you don't have to be perfect, you can be good.

-John Steinbeck



Take action and don't stop

- Live car free
- Shift to BEV
- One less flight
- Use renewable electricity
- Shift to public transport
- Vegan diet
- Vegetarian diet
- Less car transport
- Shift to active transport
- Organic food













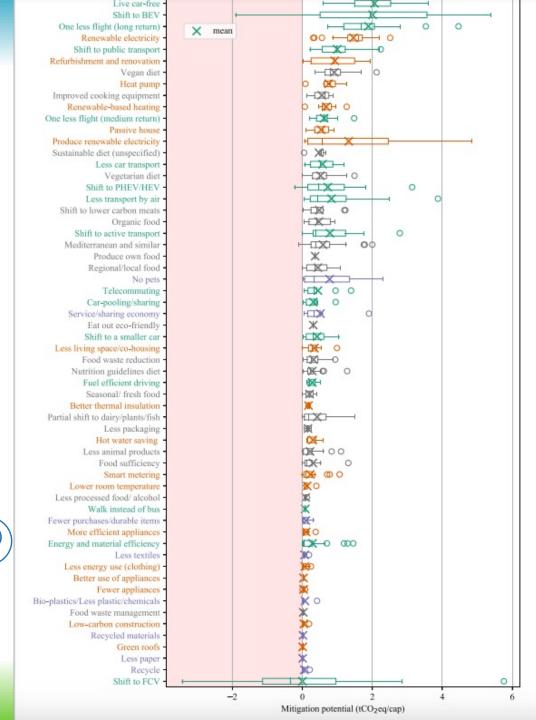














Would you like to know more?

What is Carbon Literacy?

'An awareness of the carbon costs and impacts of everyday activities and the ability and motivation to reduce emissions, on an individual, community and organisational basis.'





Carbon Literacy for Healthcare Services

Elearning pathway

Public Sector Toolkit

Course Code: CC000489









ALL

should be environmentally sustainable

Careers in sustainable healthcare



Over this year



- Become Carbon Literate or similar
- Talk about climate change
- Know your number measure your emissions footprint
- Make a pledge
- Lead by example
- Start and coordinate a green team, a green community or a green network



Over the next year

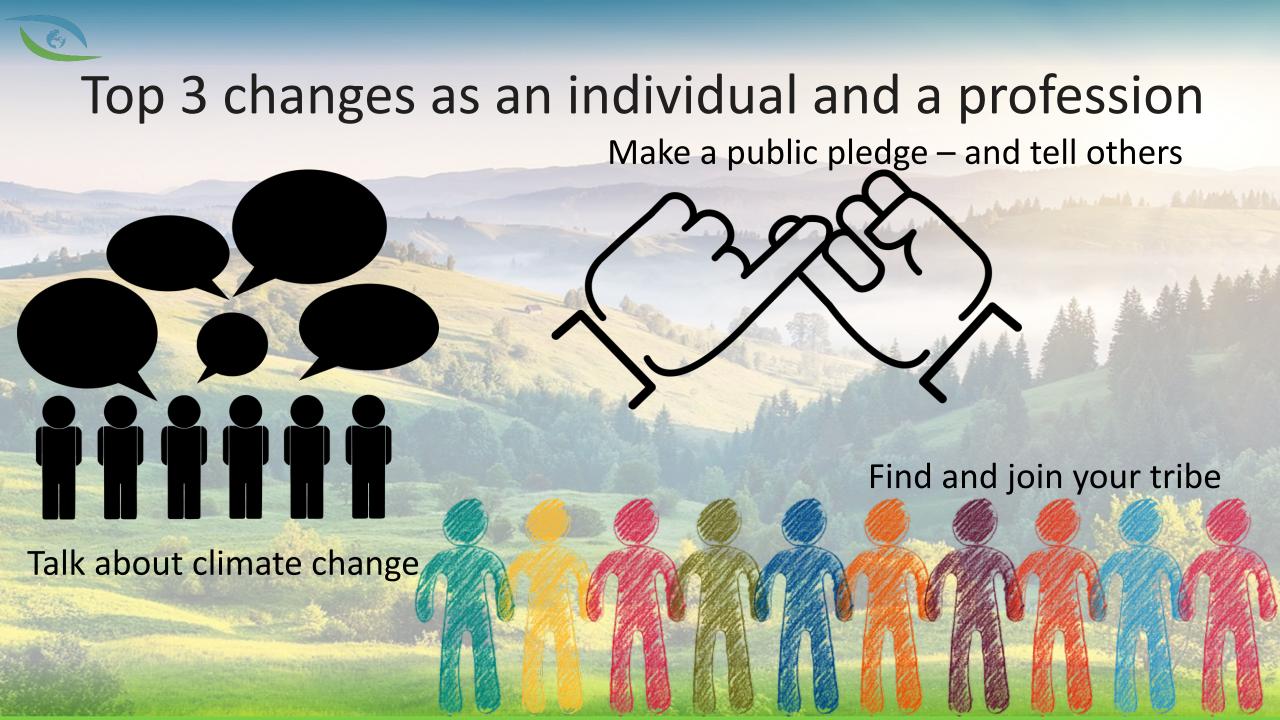
- Reduce energy use as far as possible
- Prepare buildings for fossil fuel free heating
- Prepare services so staff and patients can travel without a car
- Reduce all waste to zero through smart purchasing, use and reuse
- Involve everyone staff and patients. Collaborate and cooperate.

"IF IT CAN'T BE REDUCED, REUSED, REPAIRED, REBUILT, REFURBISHED, REFINISHED, RESOLD, RECYCLED, OR COMPOSTED, THEN IT SHOULD BE RESTRICTED, DESIGNED OR REMOVED FROM PRODUCTION."

- PETE SEEGER

COMMENT #YES IF YOU AGREE

BRIGHTVIBES





Thank you for listening