

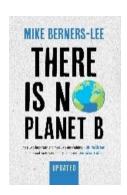
Thriving in the Anthropocene

The critical transition issues

Mike Berners-Lee











Institute for **Social Futures**





















IMPSON



















BREWDOG













Mike@sw-consulting.co.uk

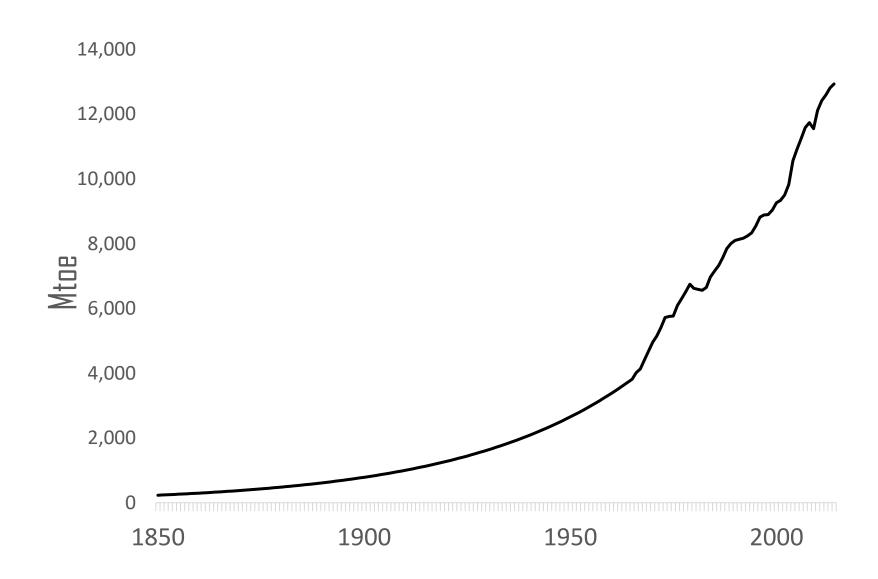






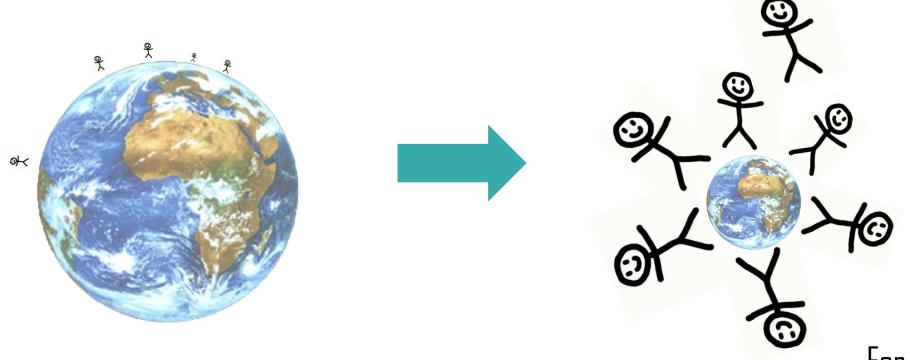


Global energy use





Here We Are in the **Anthropocene**



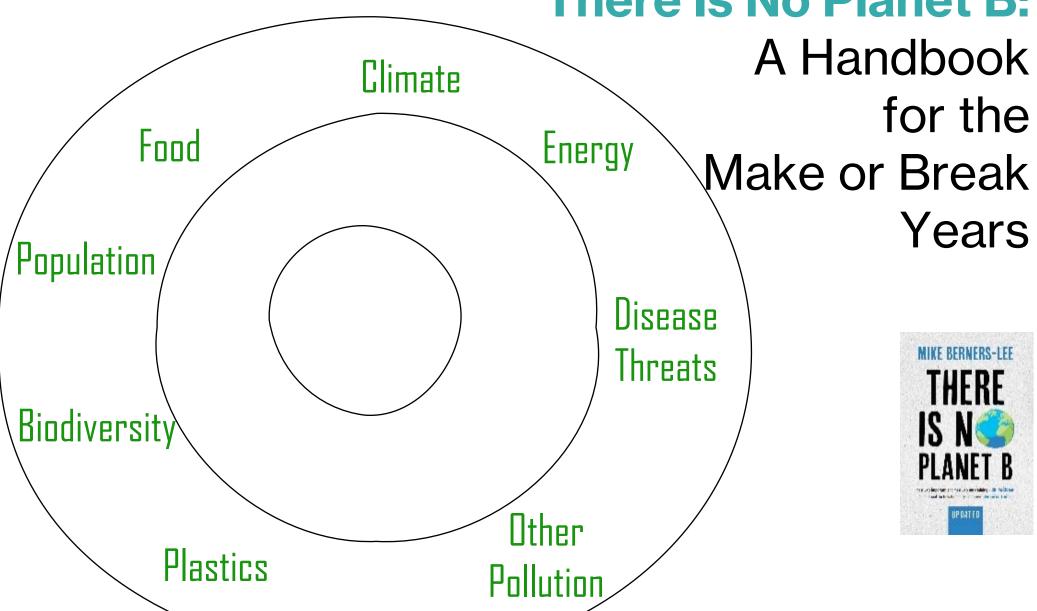
For better and worse Like it or not Ready or not

There Is No Planet B:

Years

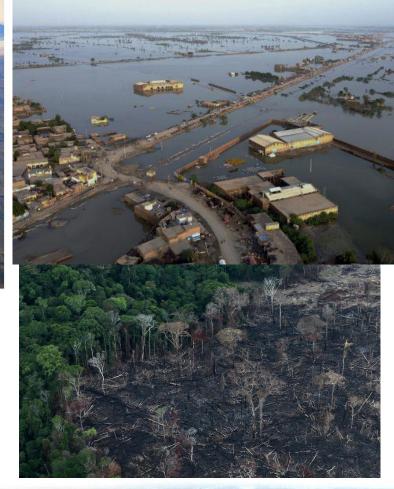
MIKE BERNERS-LEE

THERE









Early symptoms



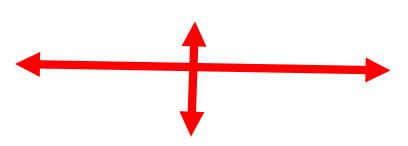




Cascading tipping points?









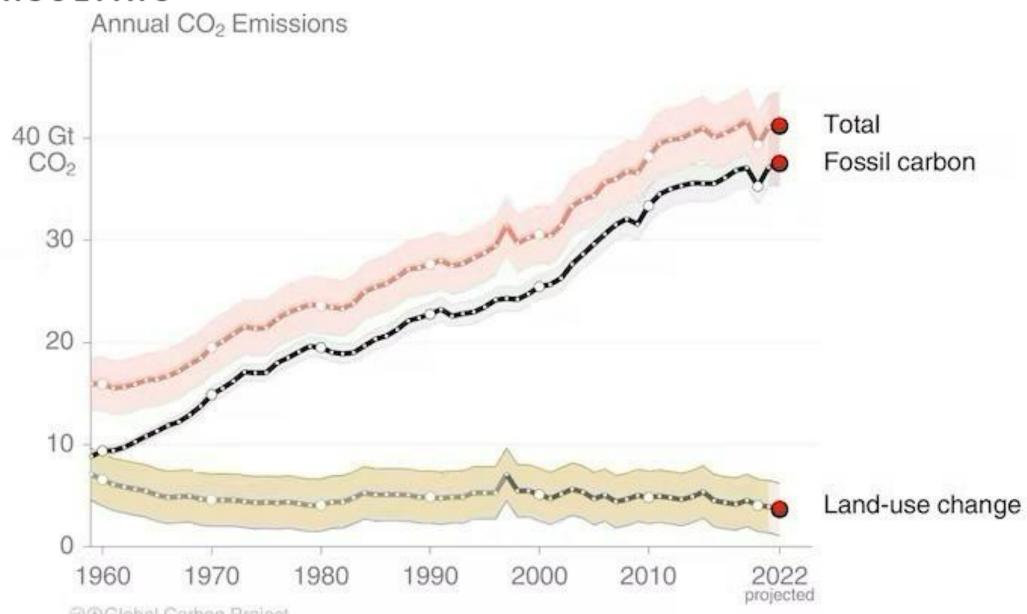


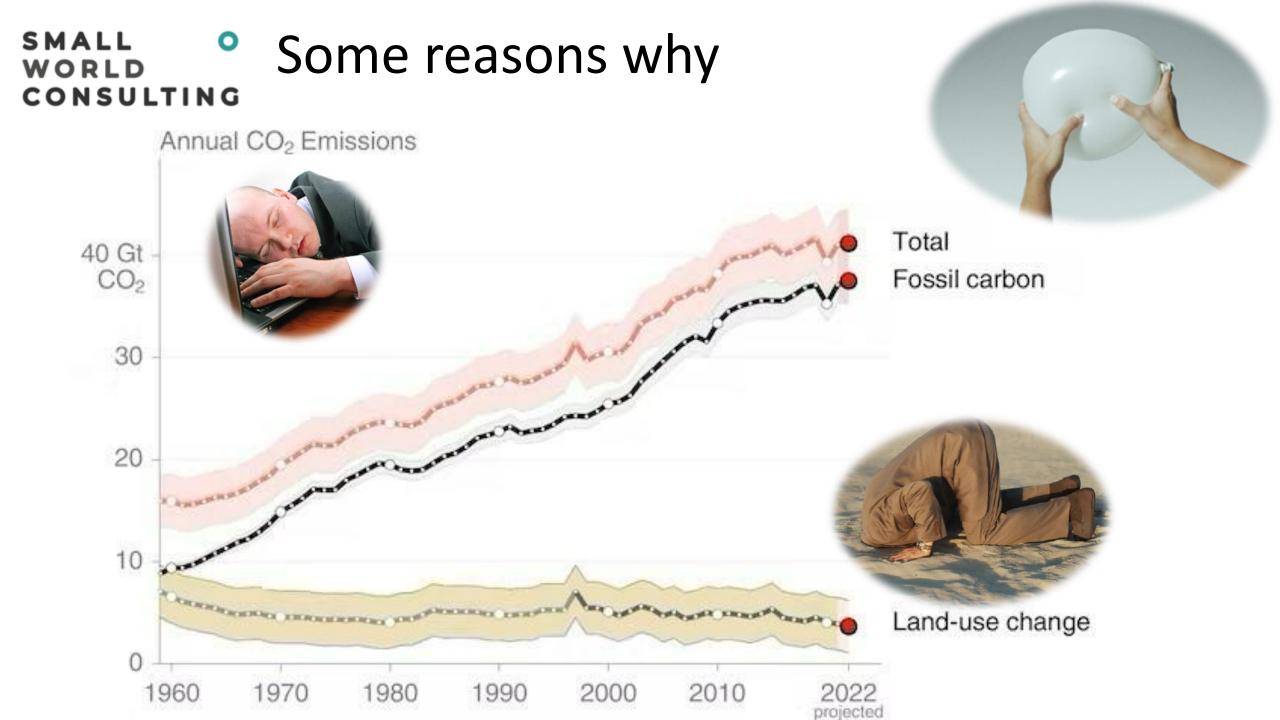


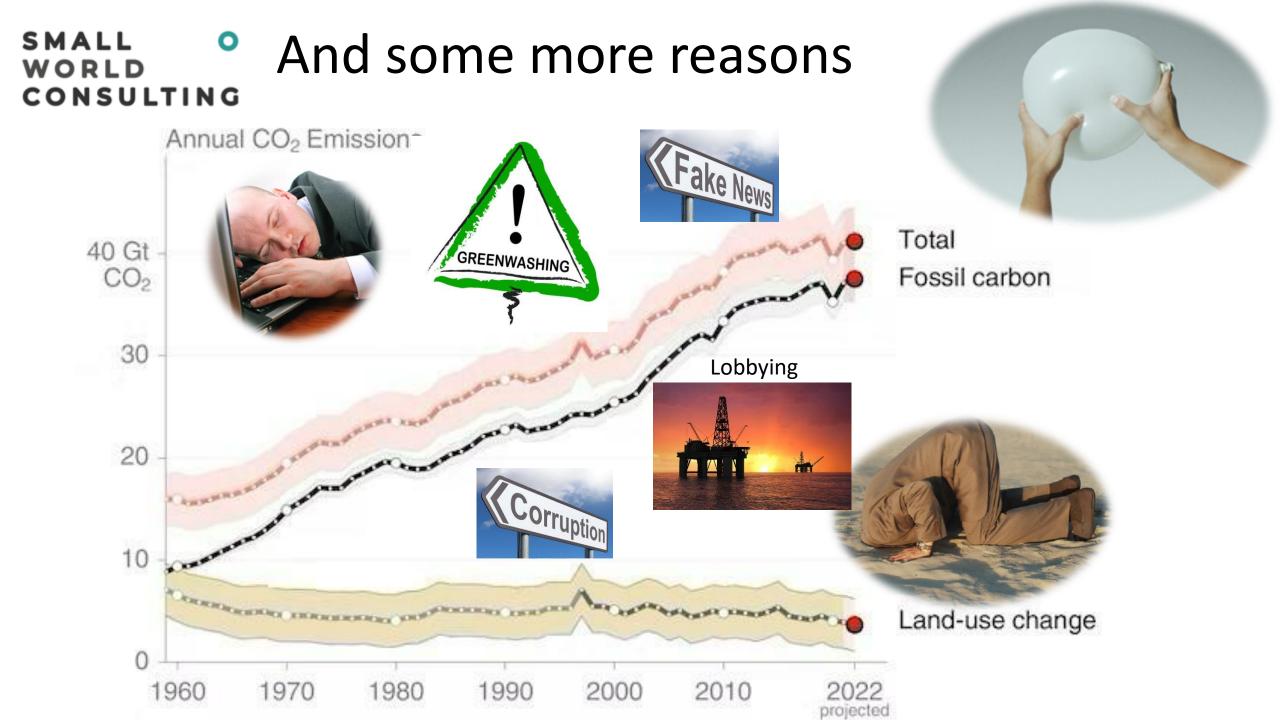


SMALL O WORLD CONSULTING

Climate progress so far

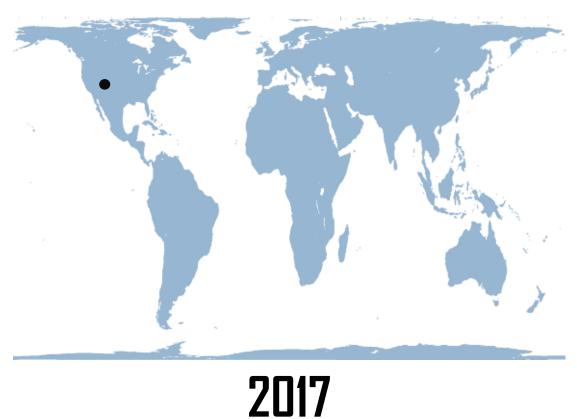








How much of the world's land area would need to be covered in solar panels to meet today's human energy needs?



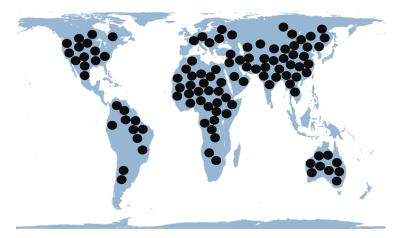
2017 0.1% = 228 miles square



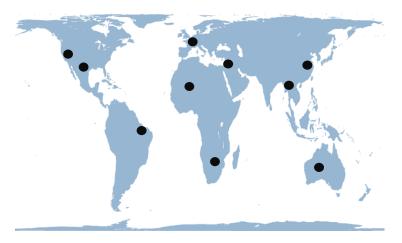
But If We Keep Growing Our Supply



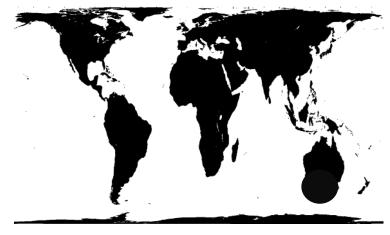
20170.1% = 228 miles square



2217 10.4% = 2445 miles square



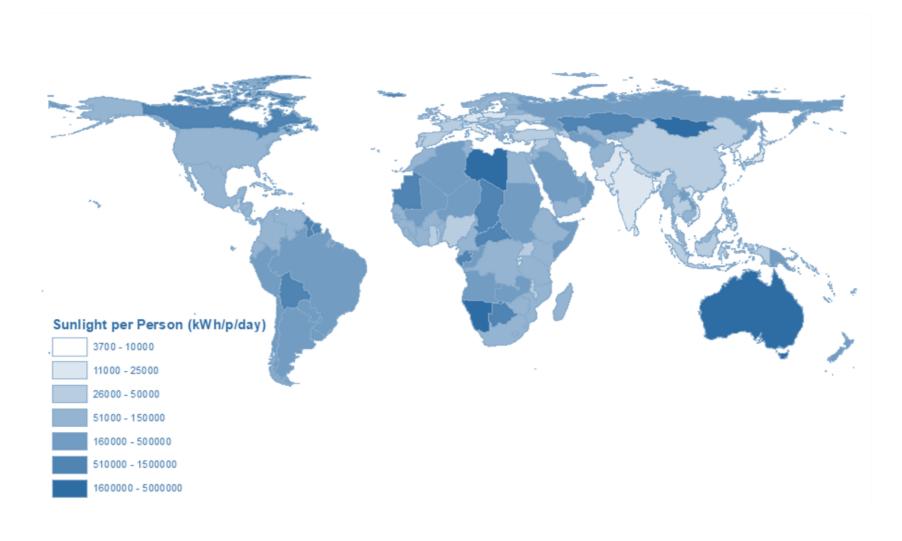
2117 1.0% = 2280 miles square



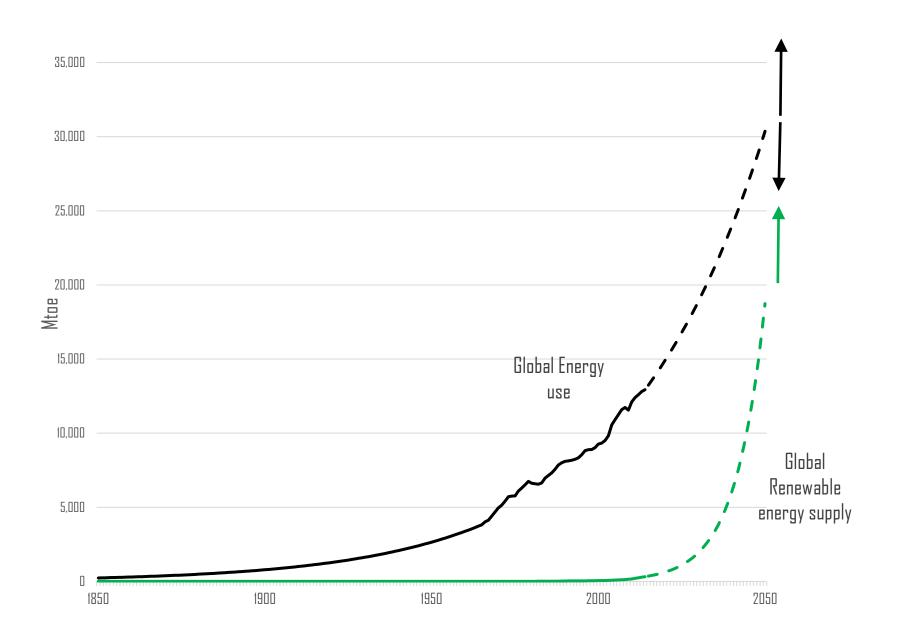
2317 111.8% = 8004 miles square



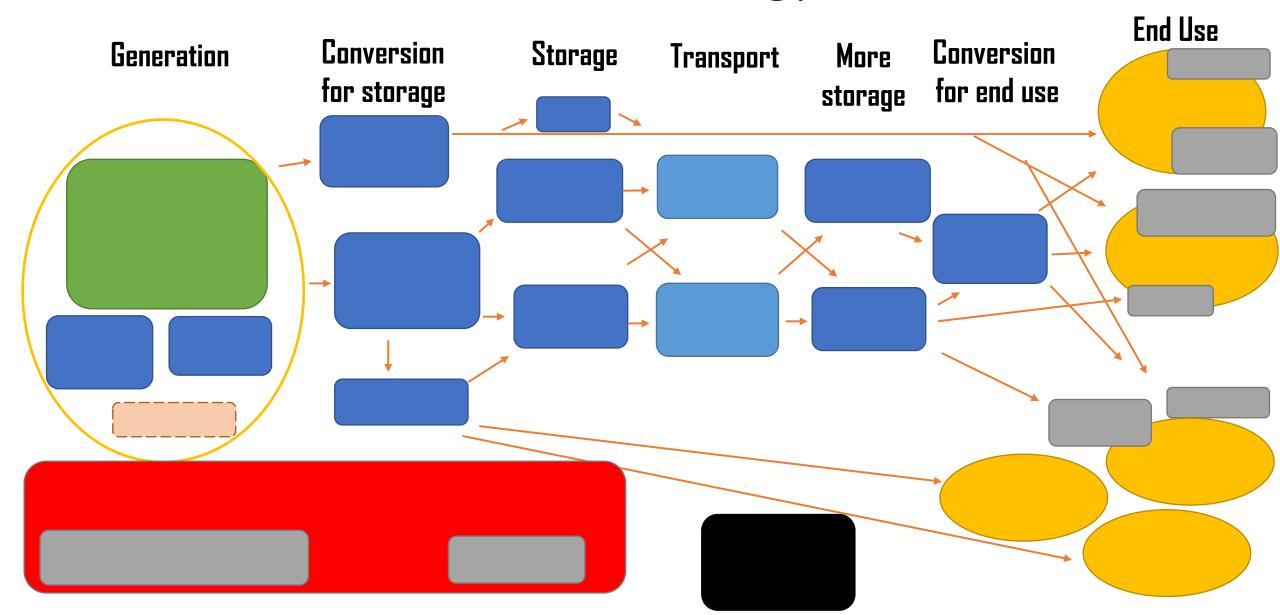
Who gets the sunlight?

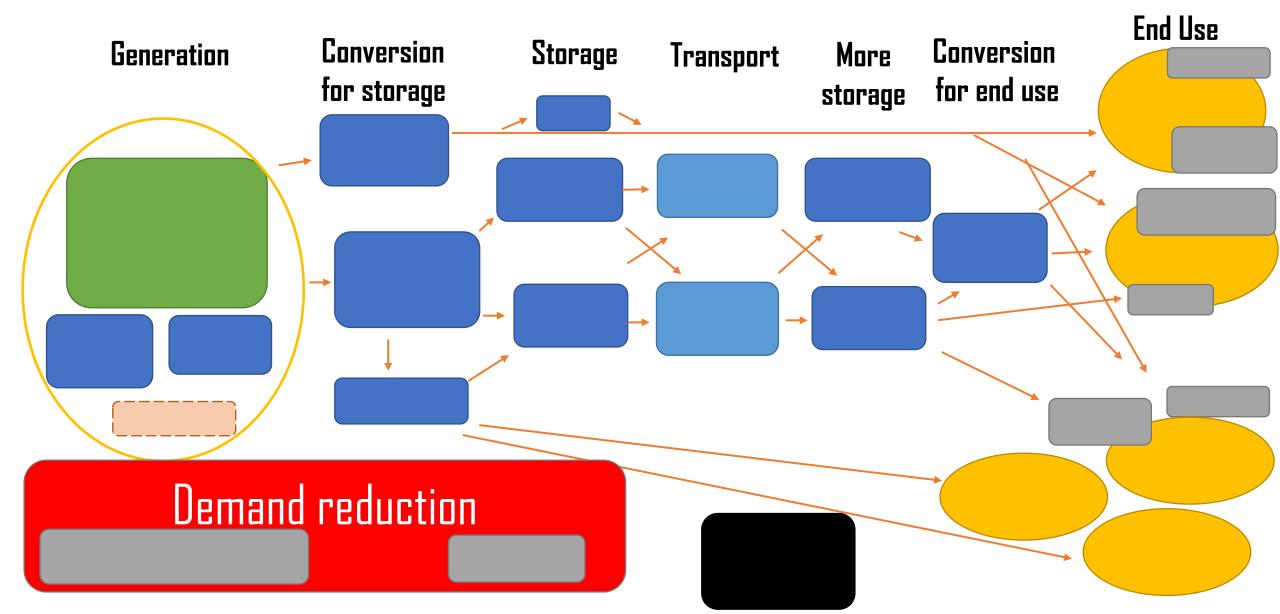


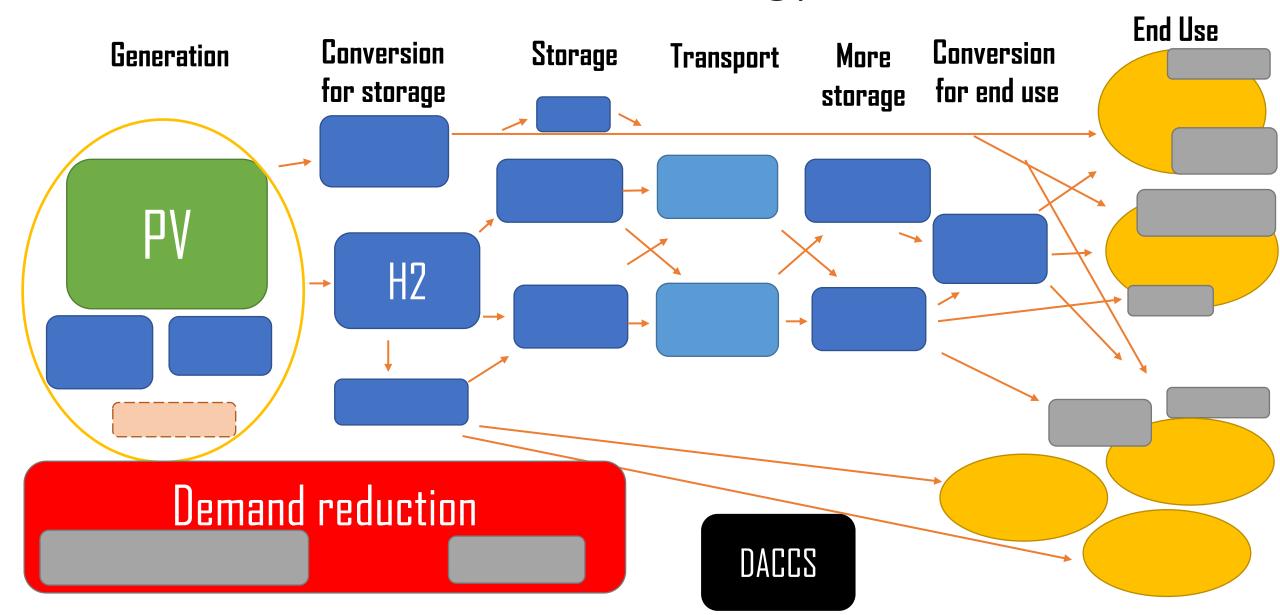
More renewables doesn't mean less fossil fuel?

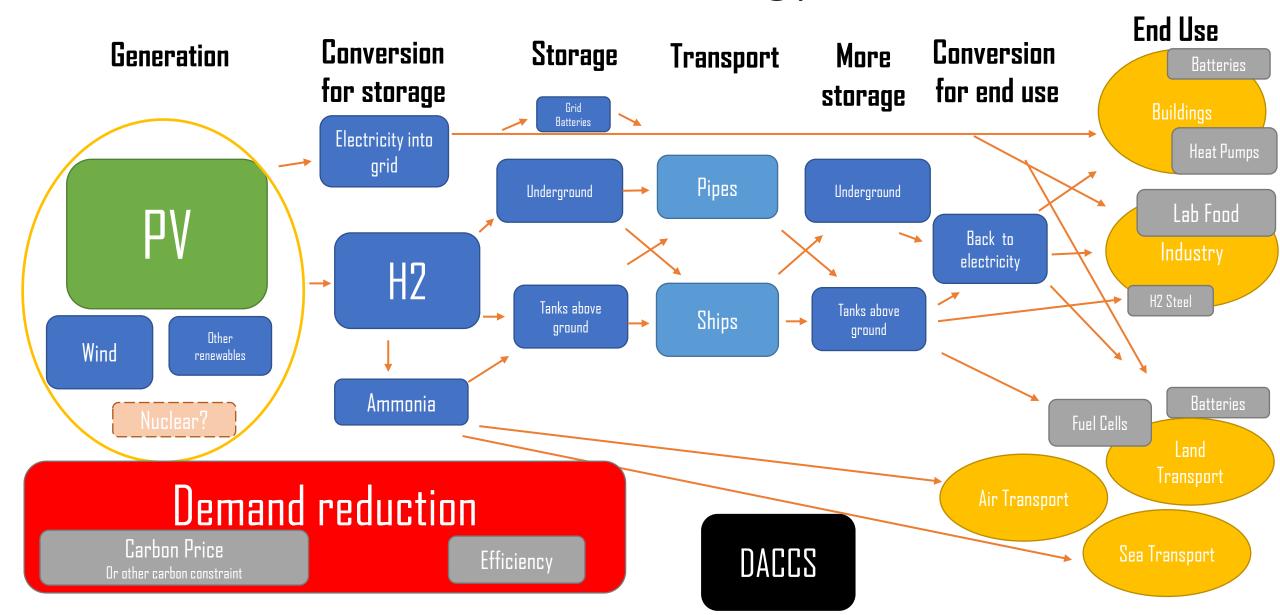


Generation Conversion Storage Transport More Conversion End Use for storage storage for end use







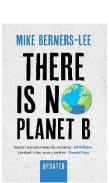


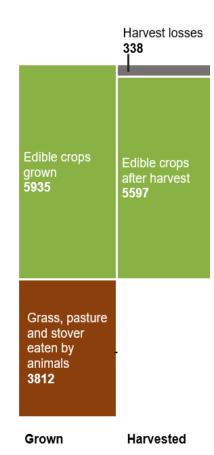


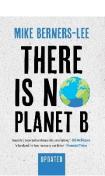


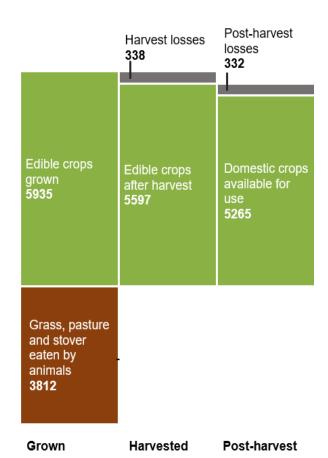
Grass, pasture and stover eaten by animals 3812

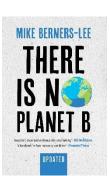
Grown

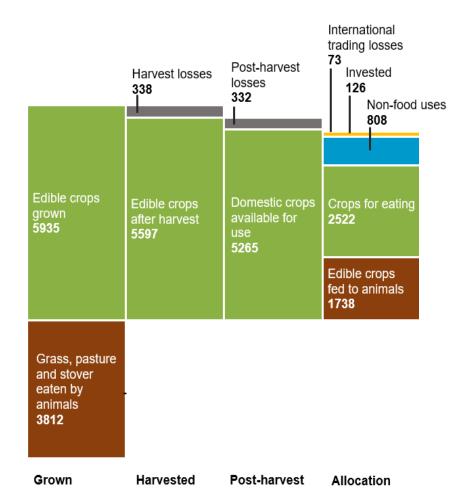


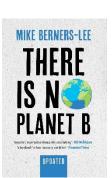


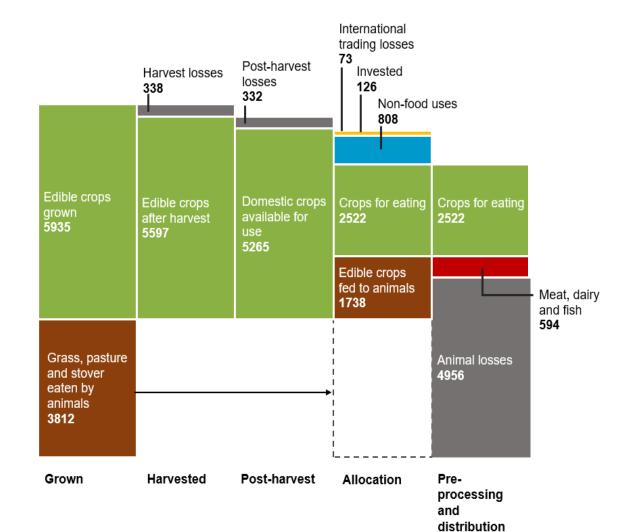


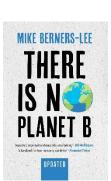


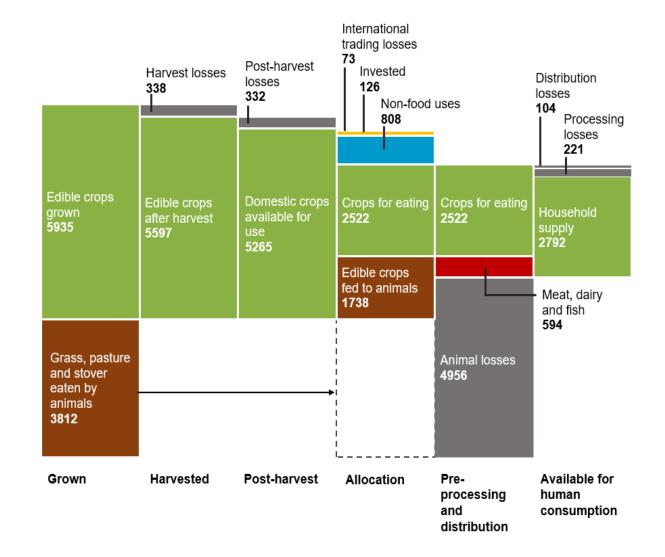


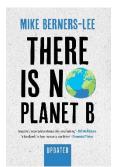


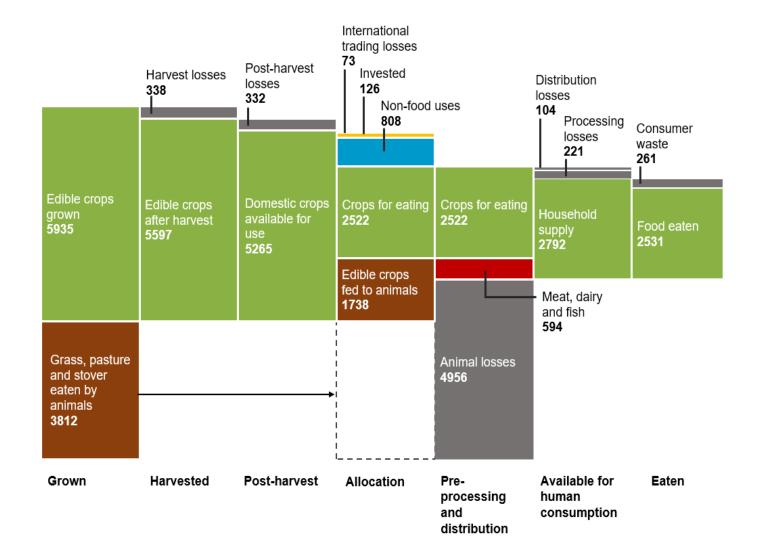


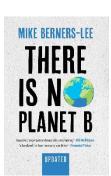


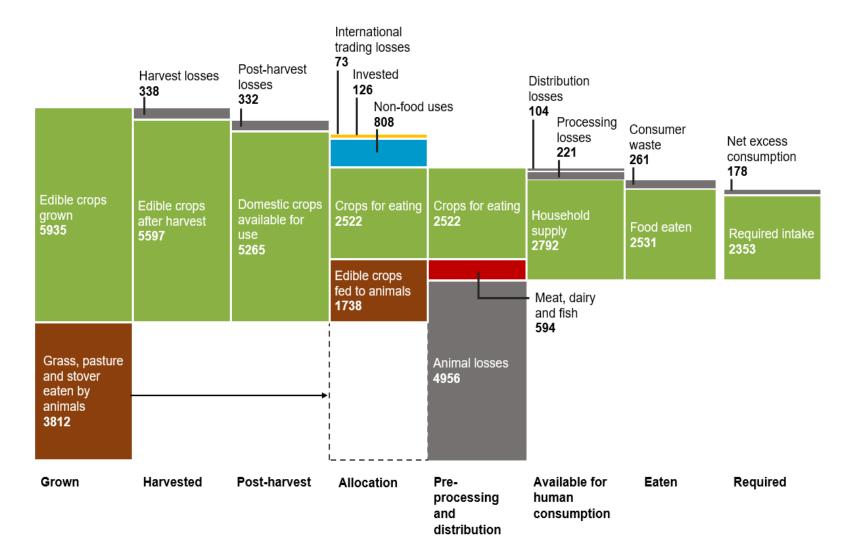


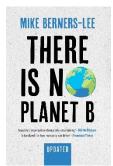




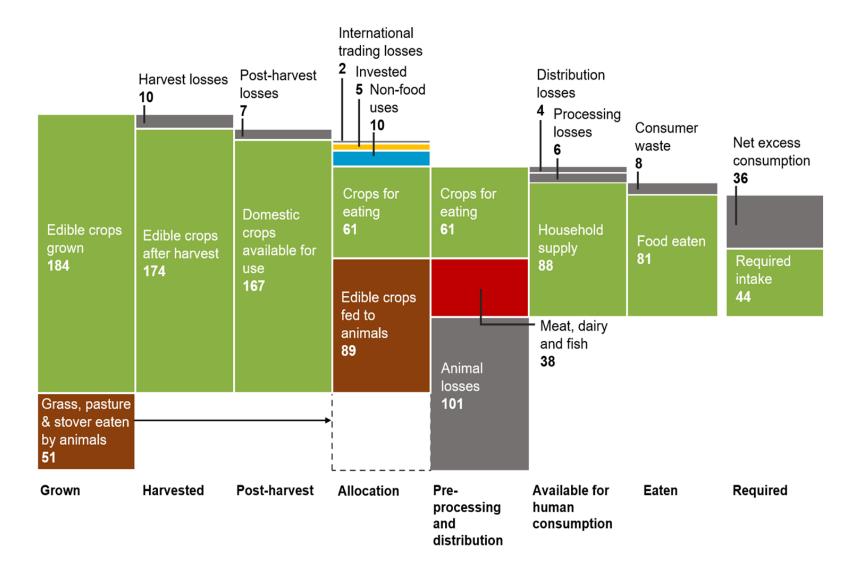




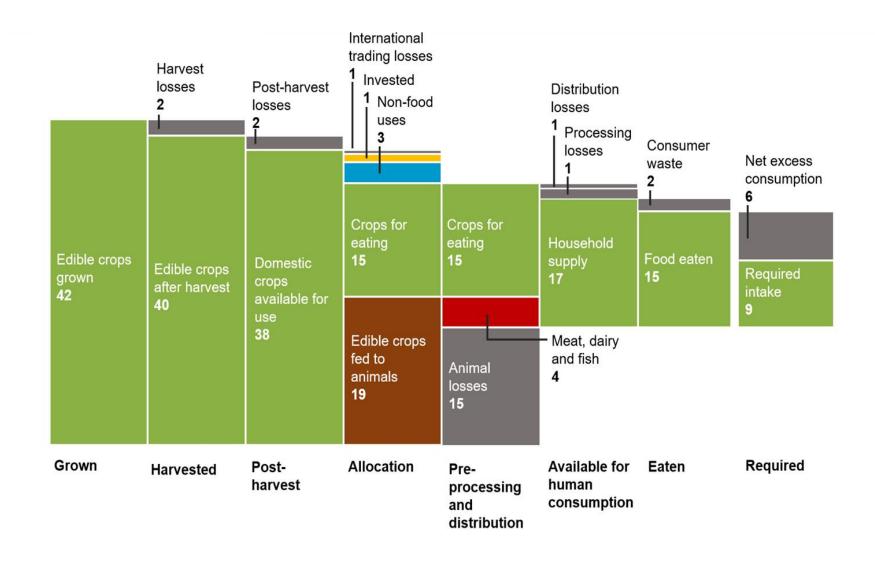




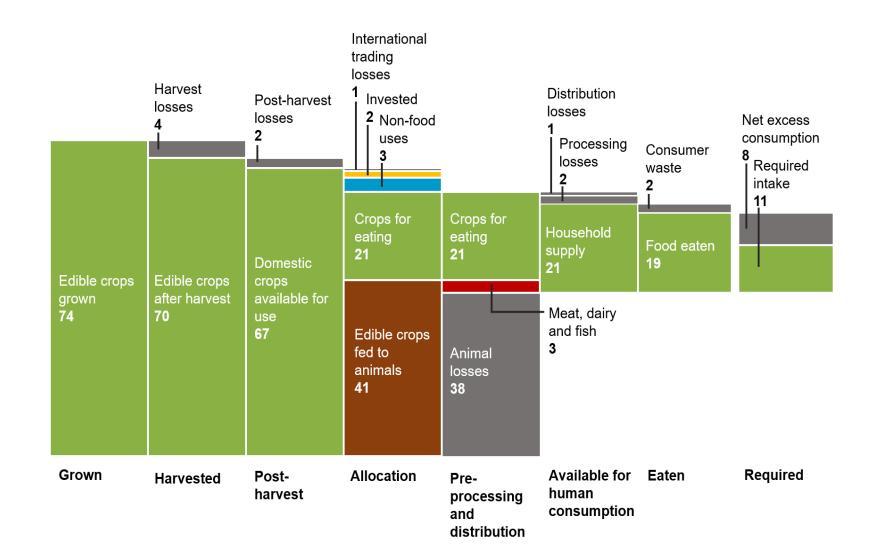
Protein (grams pr person per day)



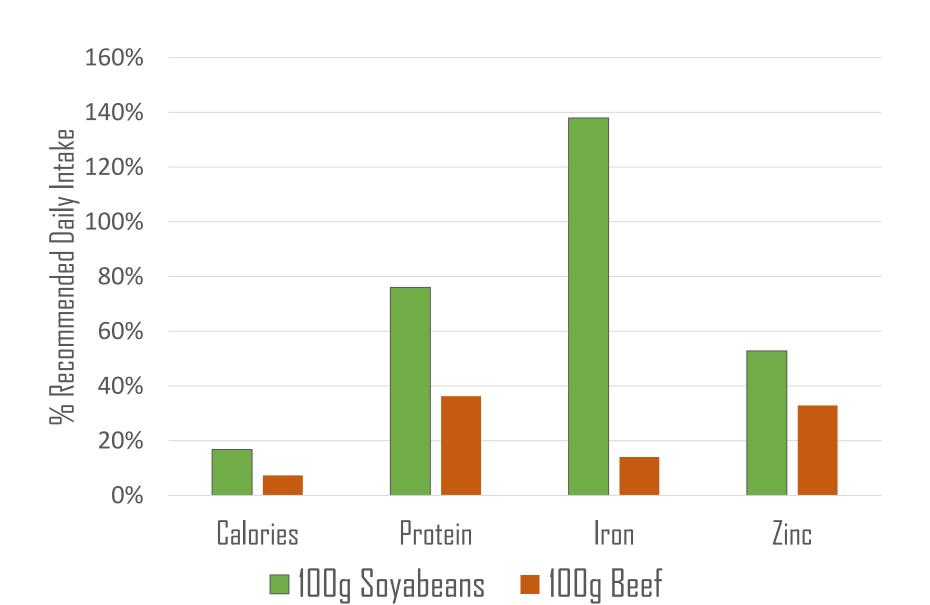
Zinc (pre-fortification and supplements)



Iron (pre-fortification and supplements)

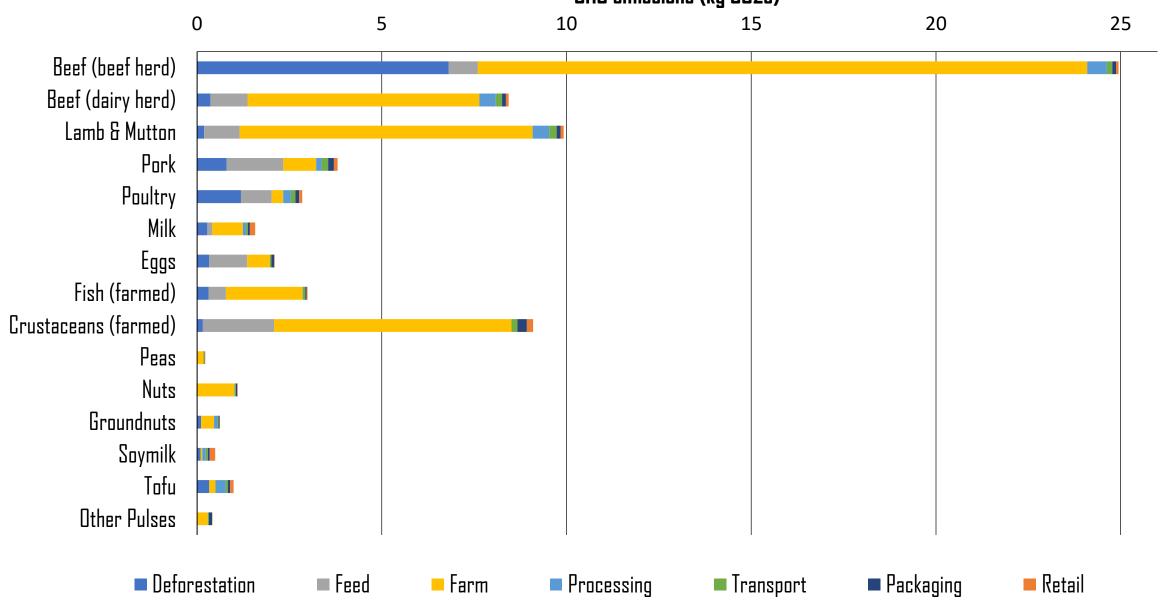


Soya vs Beef

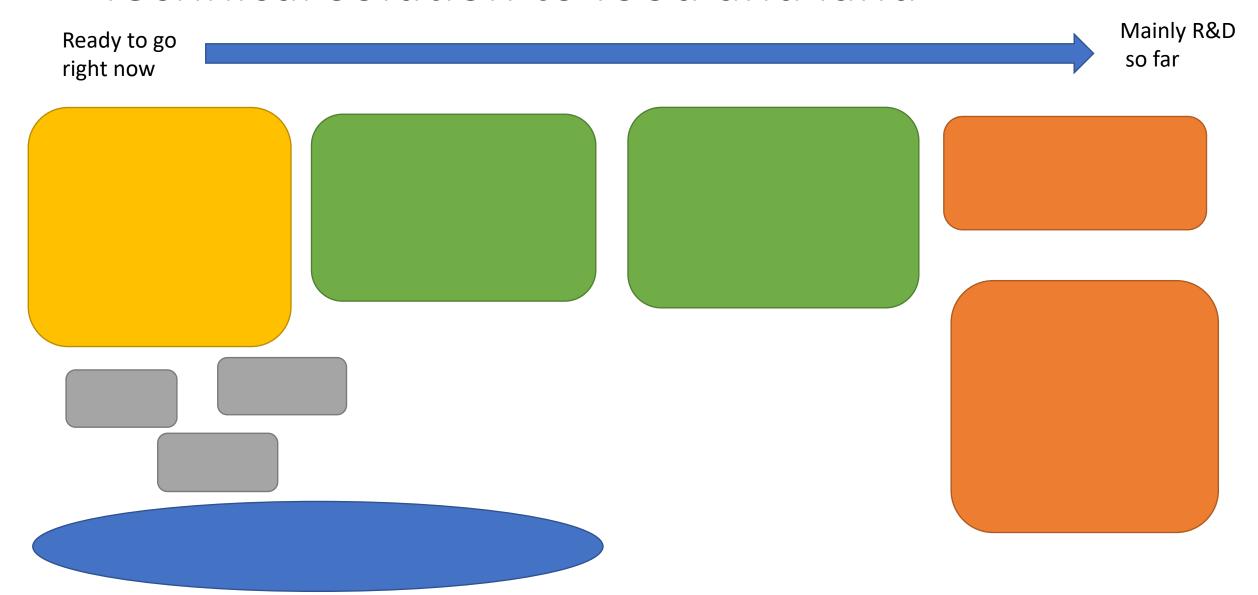


kgCO2e per 50 g protein

GHG emissions (kg CO2e)



Technical solution to food and land



Technical solution to food and land

Ready to go right now

Mainly R&D so far

Towards

Plant-Based Diets

Land restoration for wildlife and carbon

storage

'Agroecology'

(low tillage, permanent cover, low fertiliser and pesticide, rotations, mixed crops, robot weeders...)

Perenial

cerial crops

Freezers and cold stores

Boats for transport

Waste reduction

Limit population

education, poverty elimination and women's rights

Beyond Photsynthesis

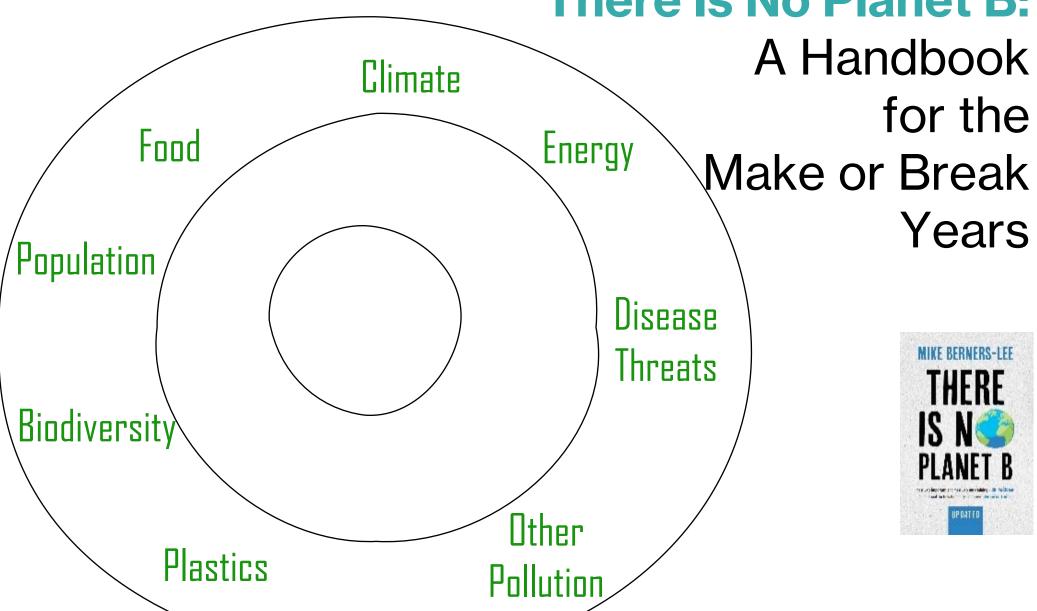
For protein, fat and carbohydrate

There Is No Planet B:

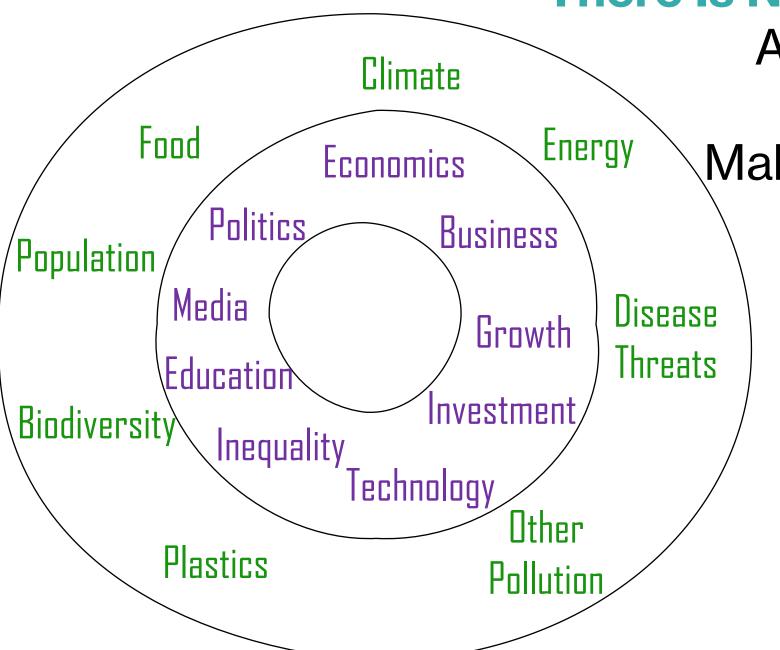
Years

MIKE BERNERS-LEE

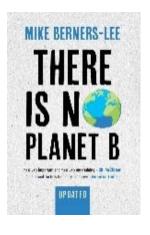
THERE



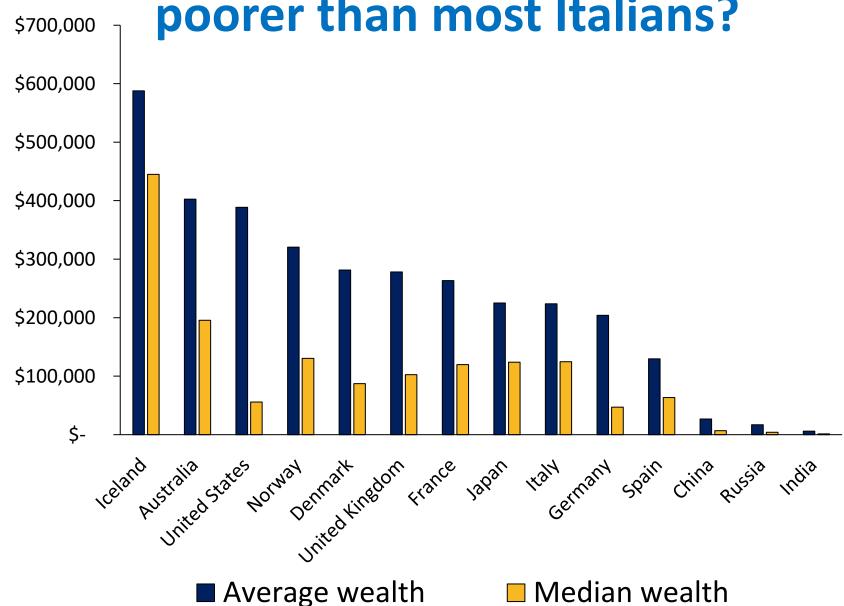
There Is No Planet B:

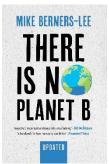


A Handbook for the Make or Break Years



Why are most Americans so much poorer than most Italians?



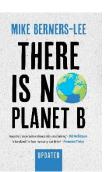


The ten wealthiest Americans could quadruple the wealth of the poorest half of Africa

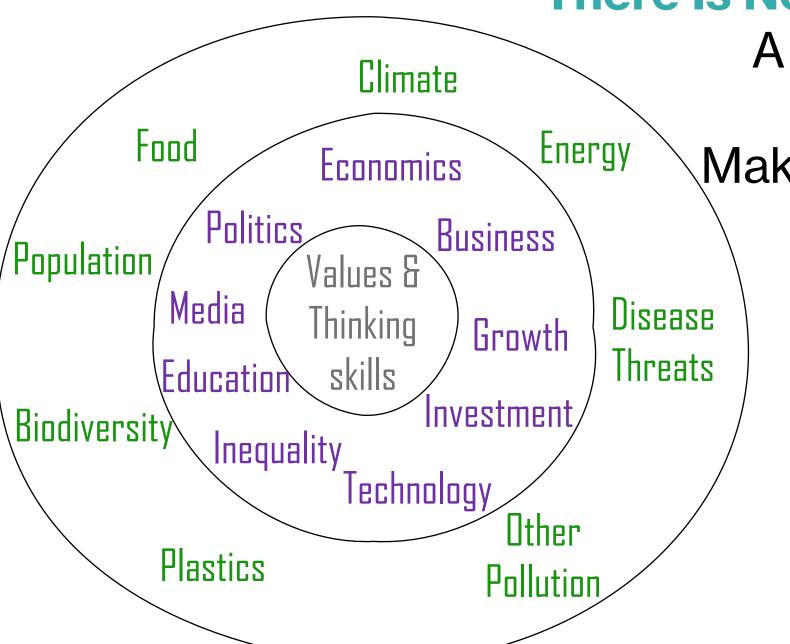
- and still be billionaires



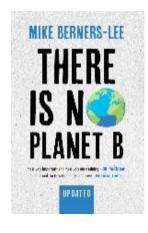




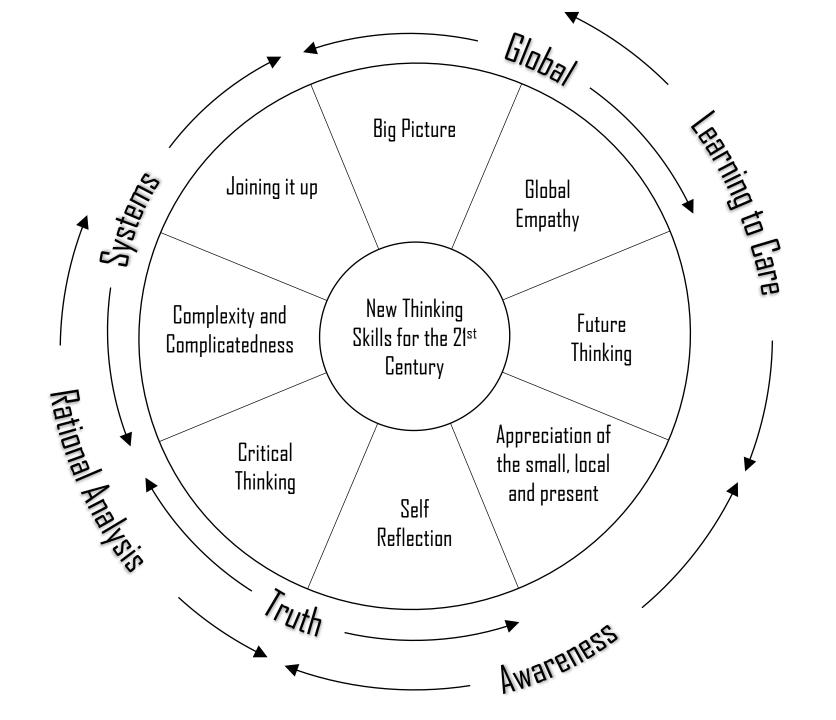
There Is No Planet B:

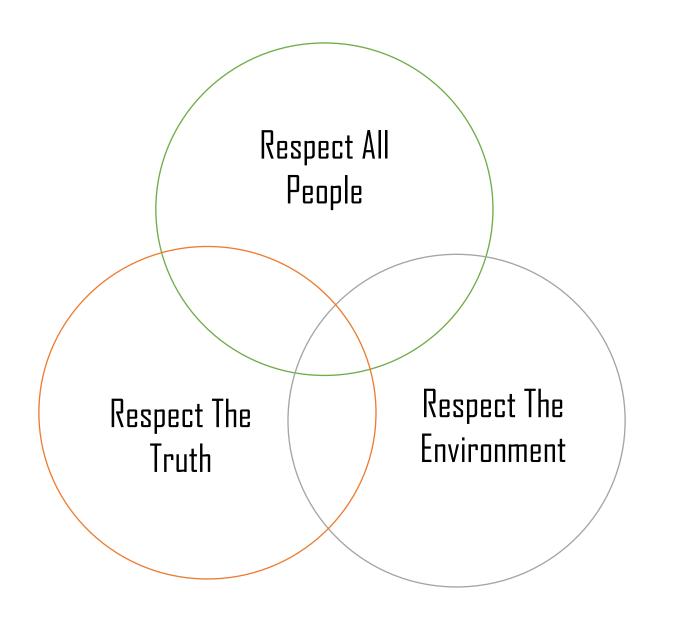


A Handbook for the Make or Break Years



Eight new thinking skills for the 21st Century





Three values we can ПО longer live without



We now have to do better than this ...







When it's all so global, what can we do?

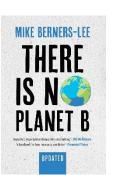
Imagine

Influence

Insist

Role model Develop
thinking skills
and values for
the
Anthropocene

Protest?





Thank you for listening Questions?



https://www.sw-consulting.co.uk/

