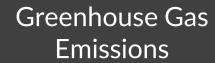


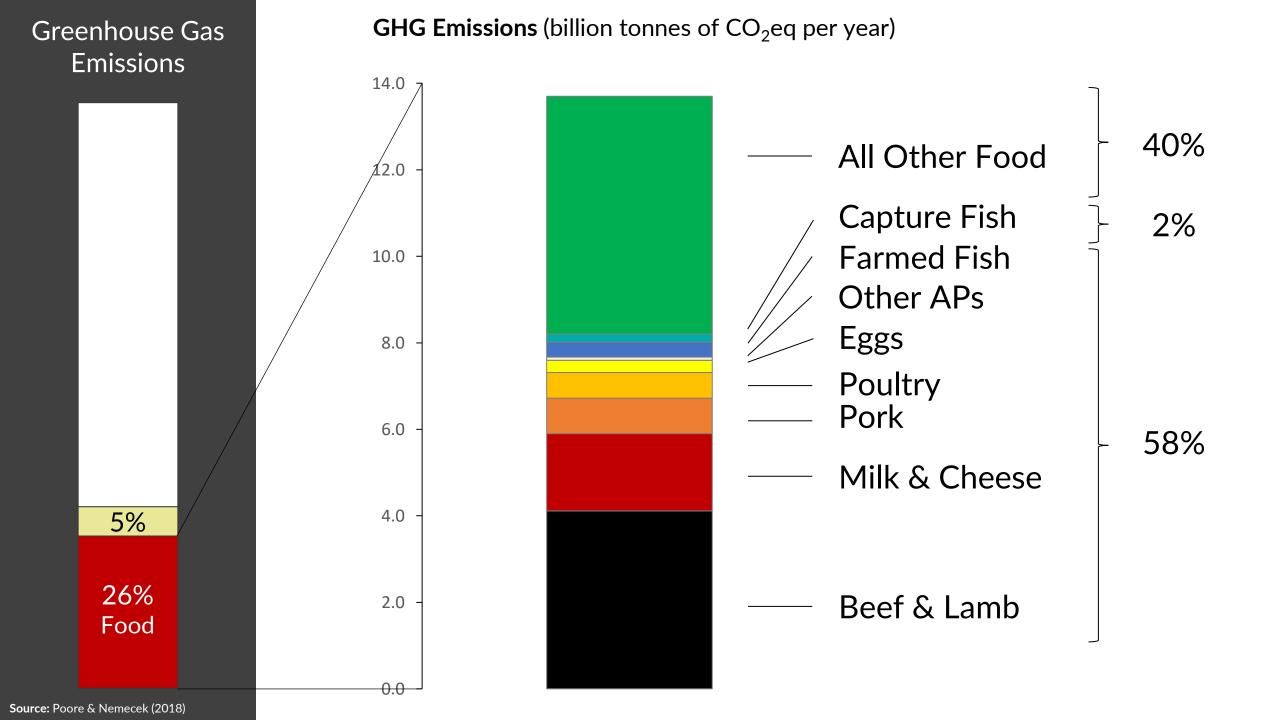
- Forest dieback, releasing carbon
- Permafrost thawing, releasing methane

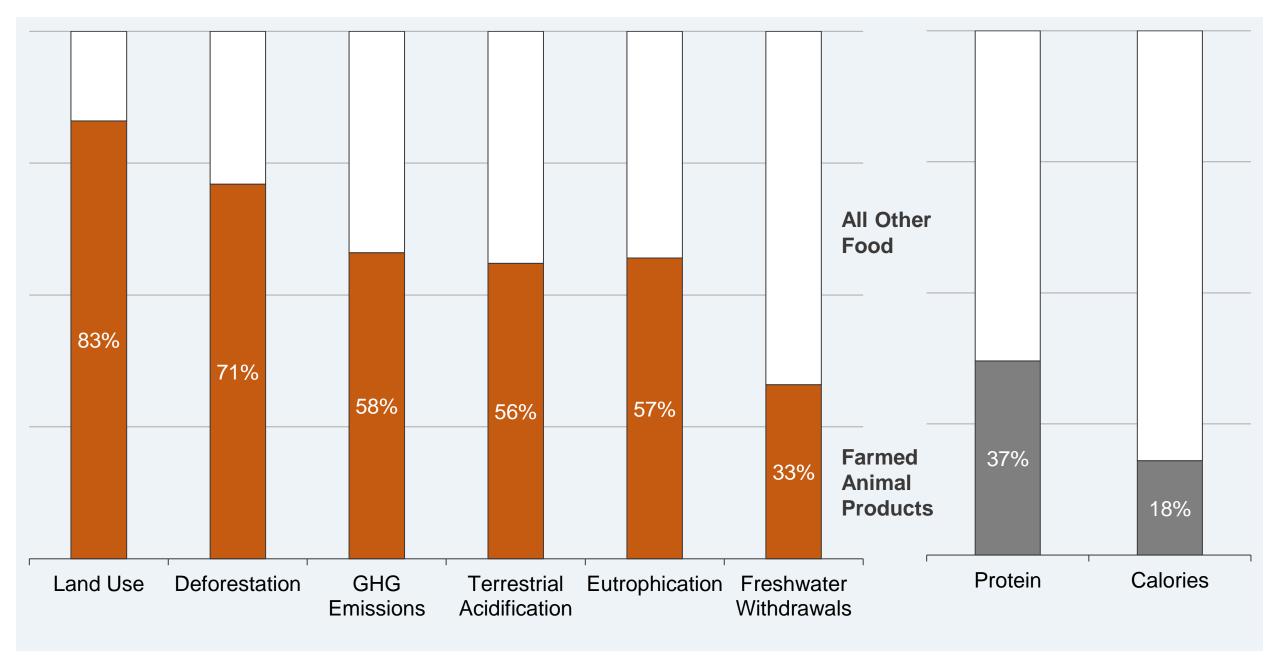
- Coral reefs mostly disappear
- Ice-free summers at poles
- \$20 trillion damages by 2100

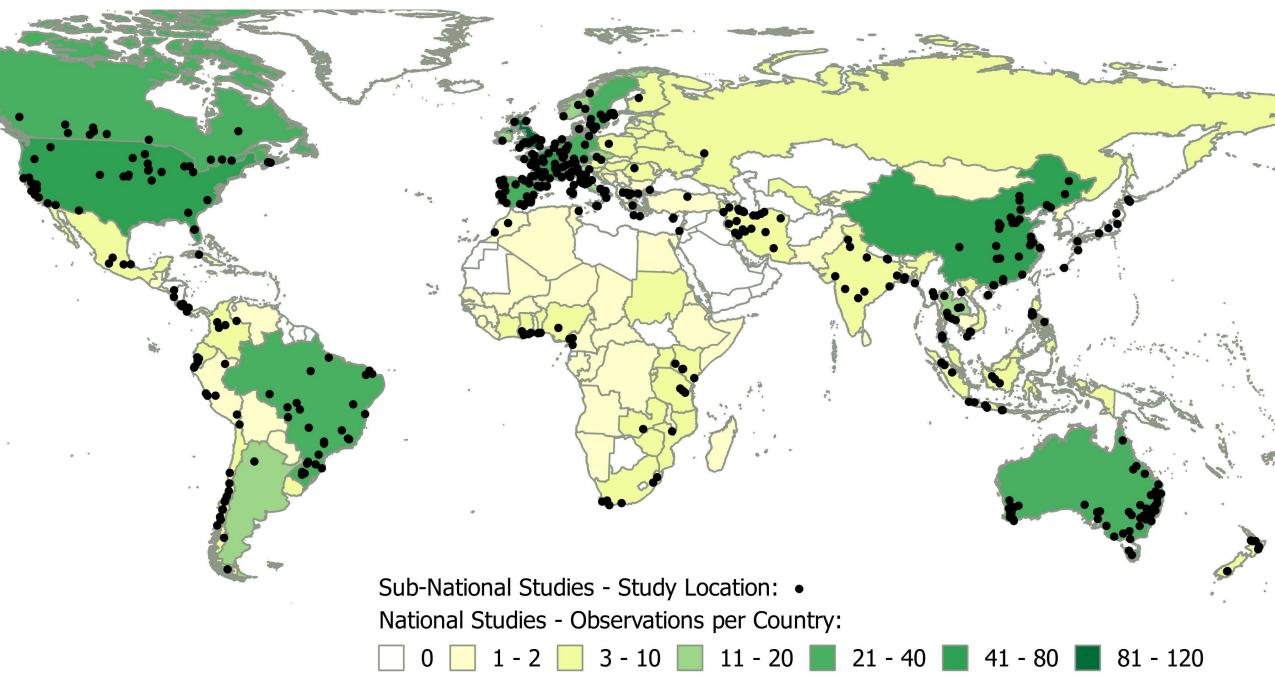


5%

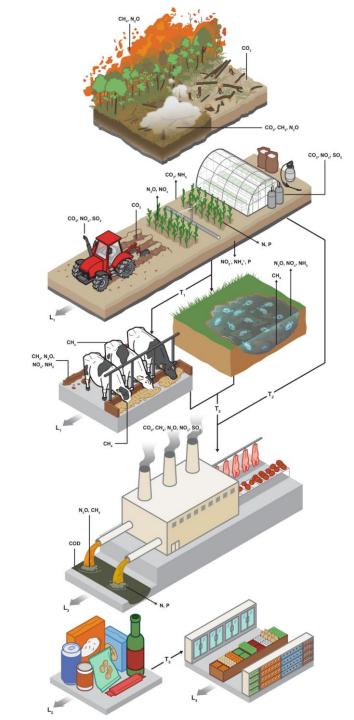
26% Food



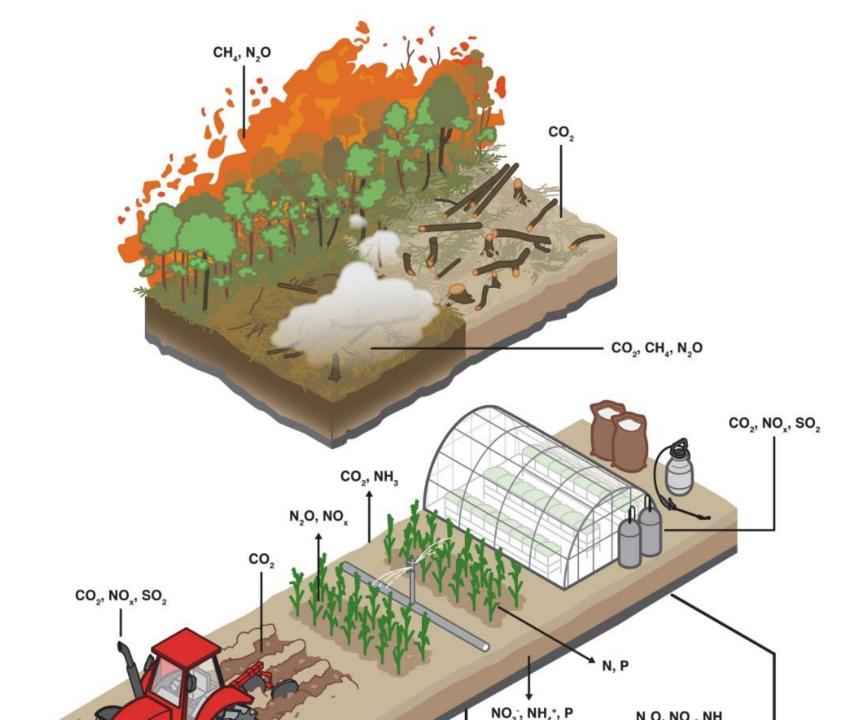


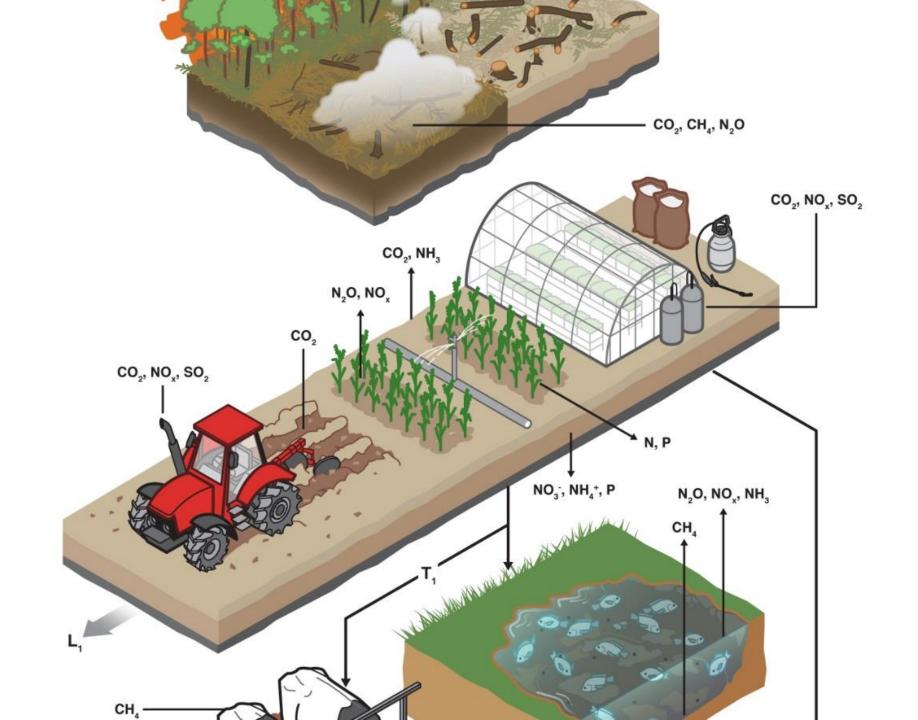


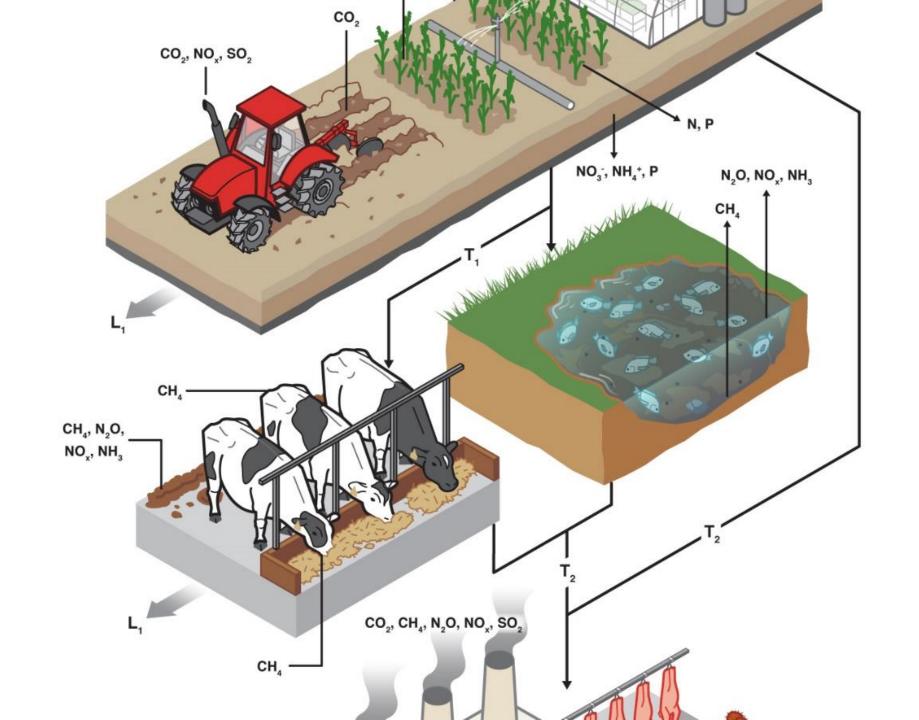
Source: Poore & Nemecek (2018) Science

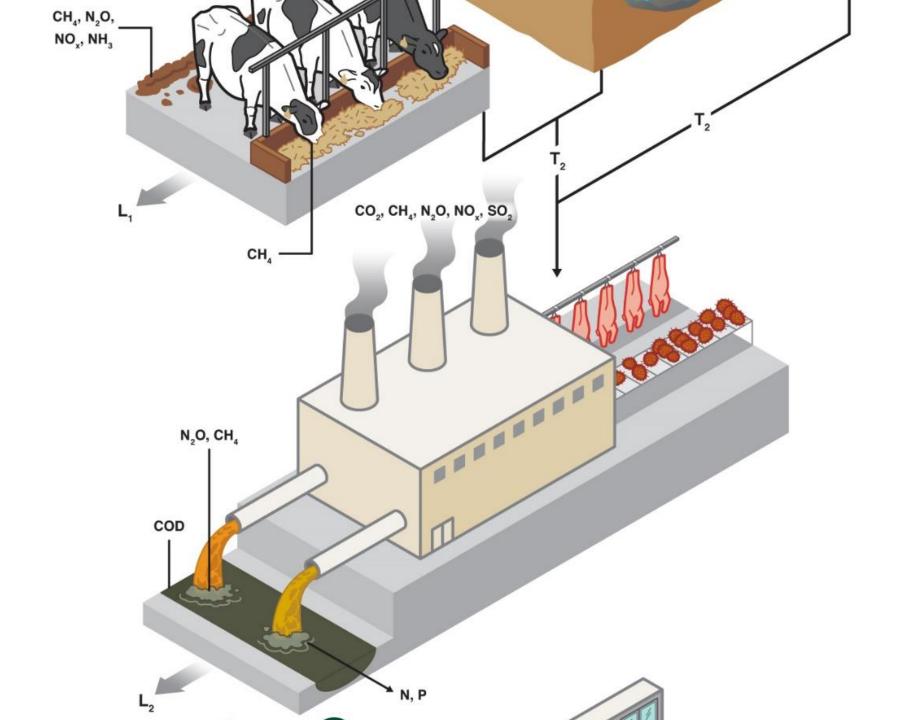


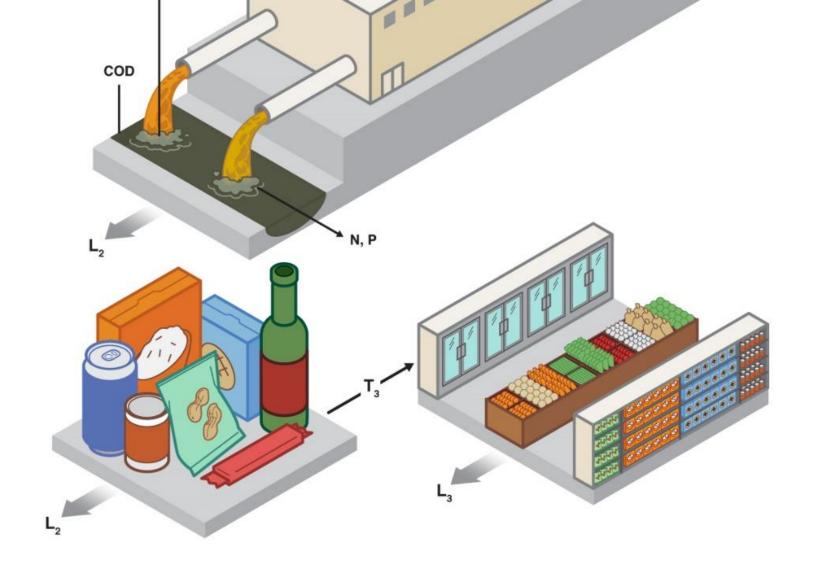
Source: Poore & Nemecek (2018) Science





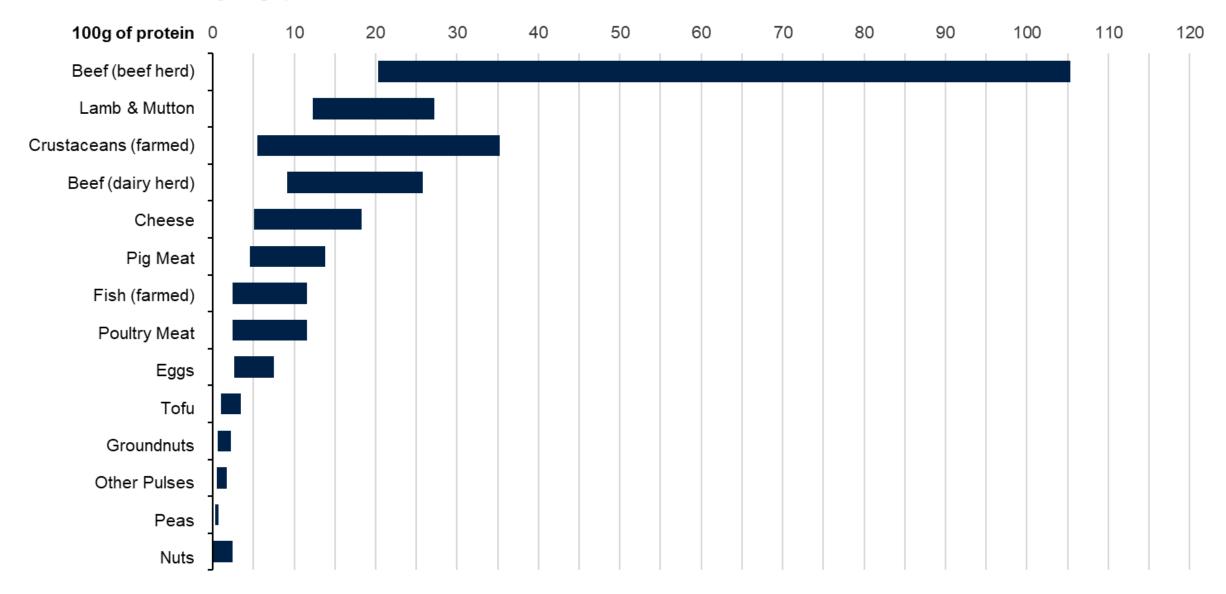








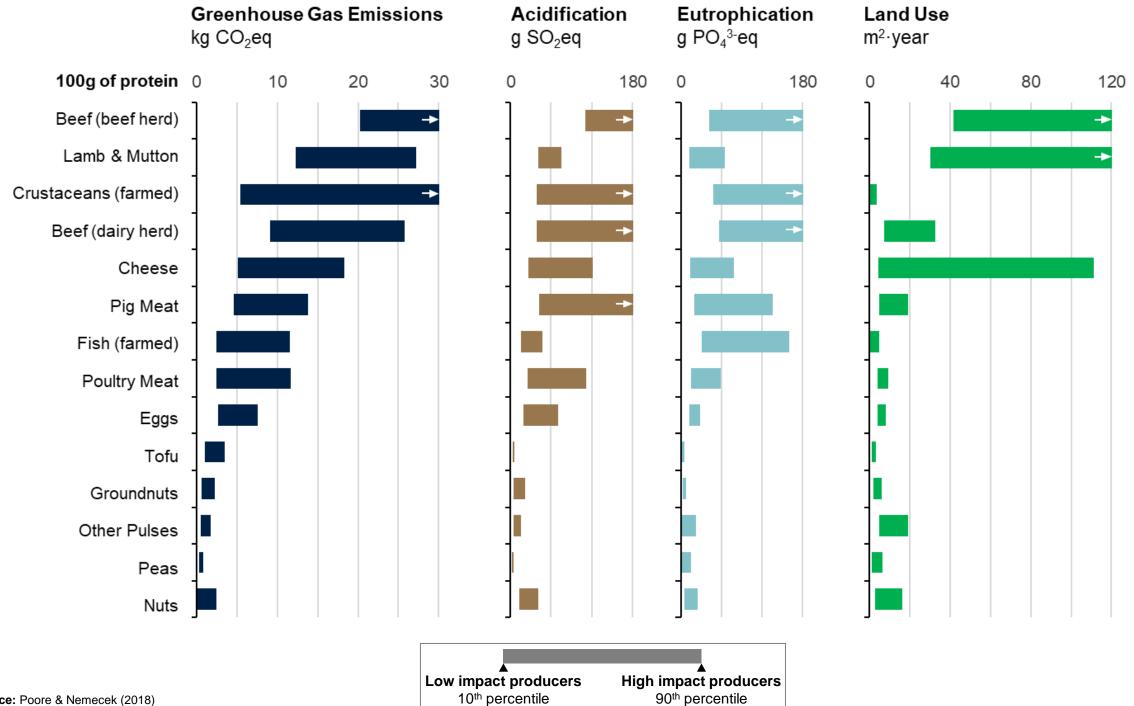
kg CO₂eq

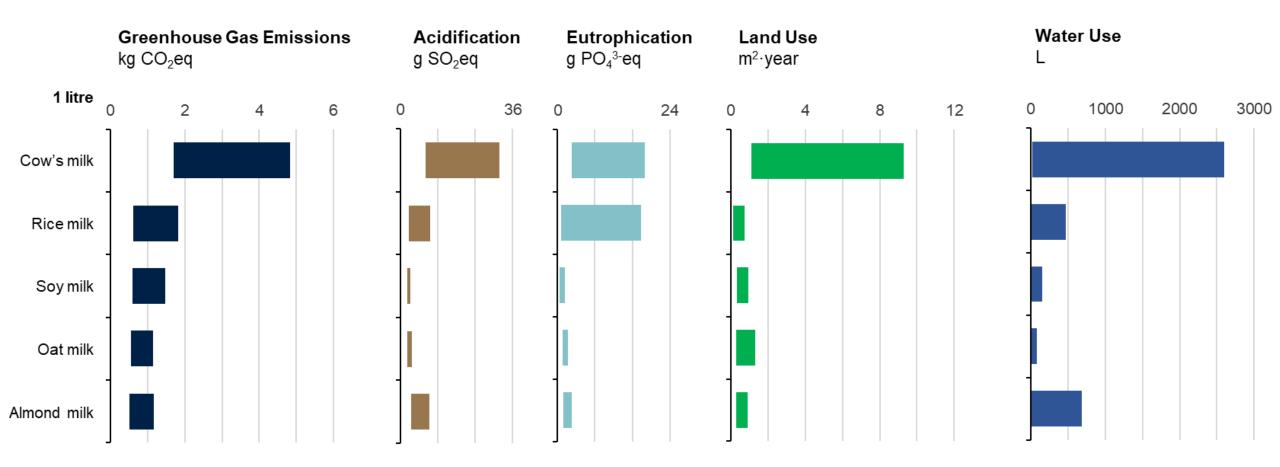


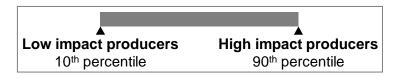
Low impact producers

10th percentile

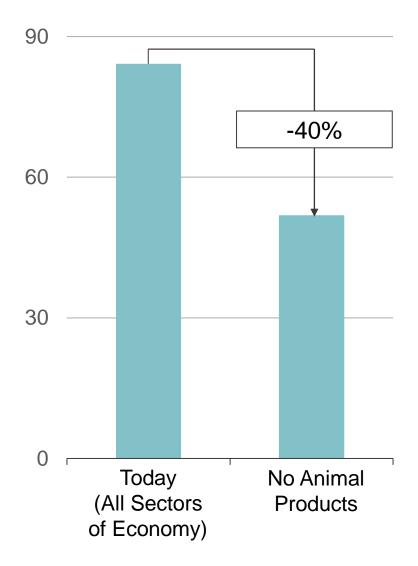
High impact producers
90th percentile





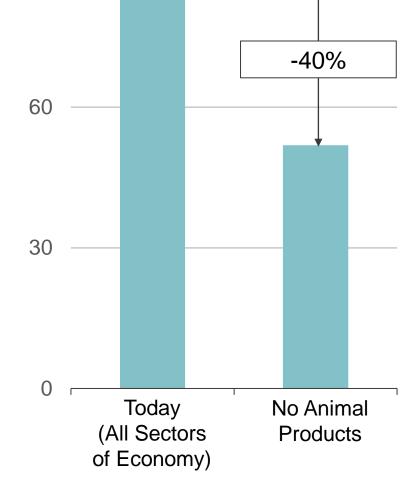


Eutrophication (Mt PO₄³⁻)

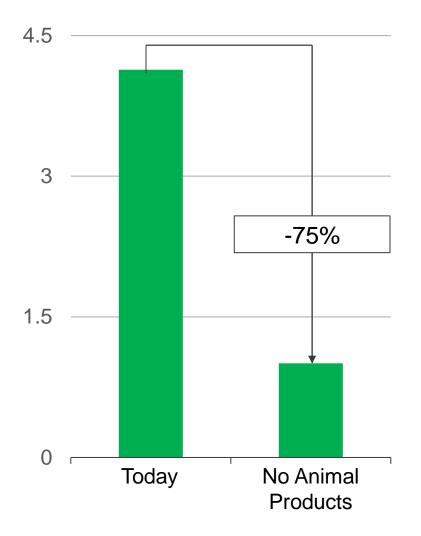


Eutrophication (Mt PO₄³⁻)

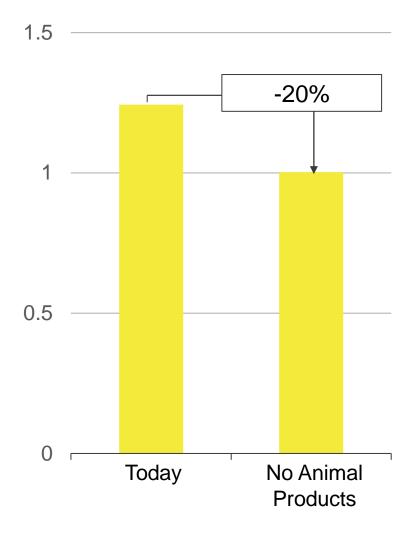
90

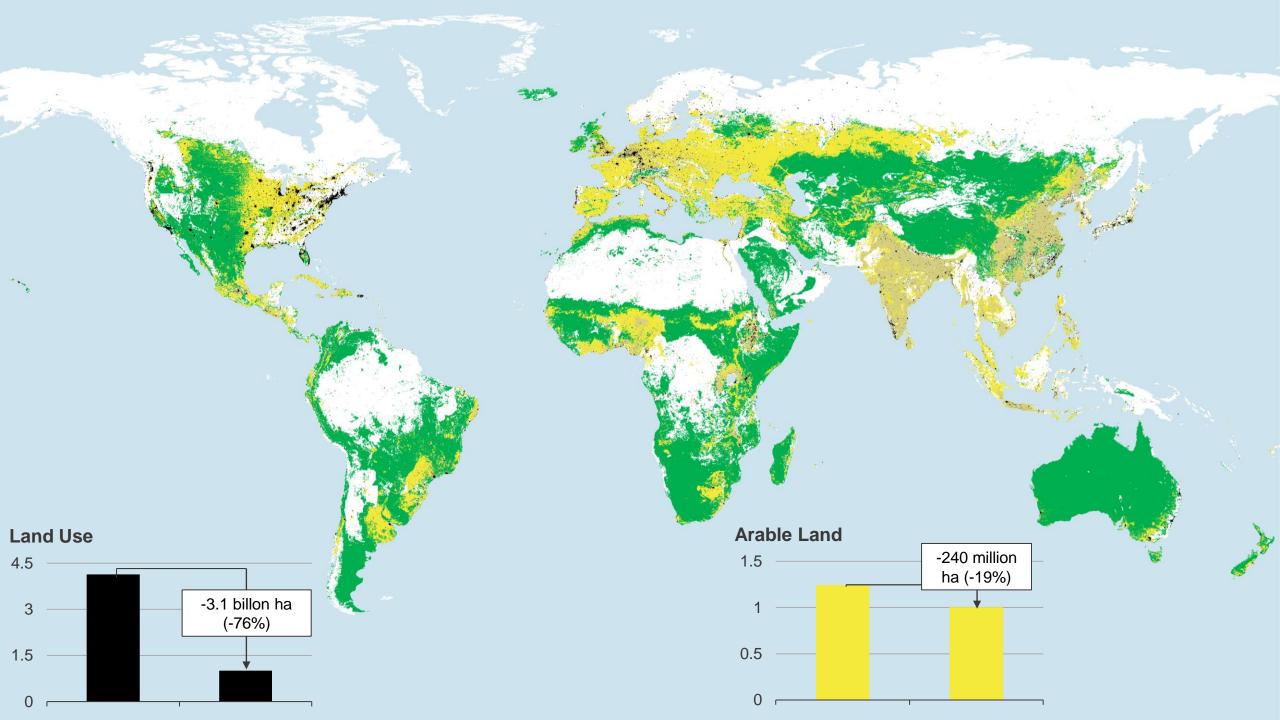


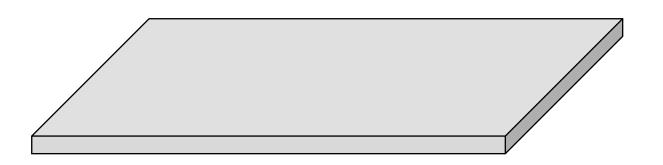
Land Use (billion ha)



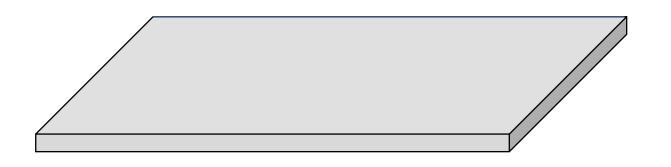
Arable Land Use (billion ha)



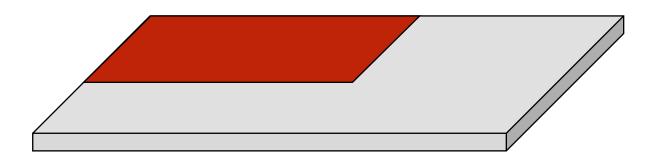




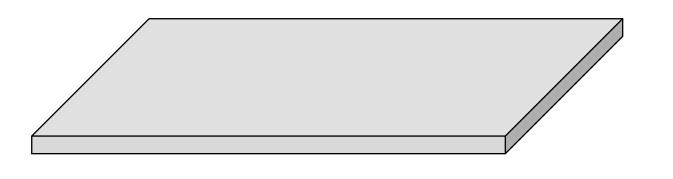
Land Per Person on Earth 17,000m²



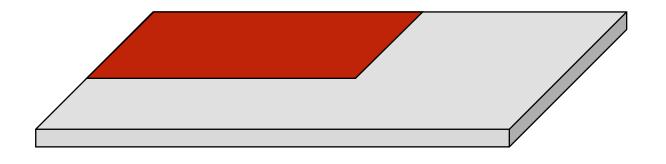
Land Per Person on Earth 17,000m²



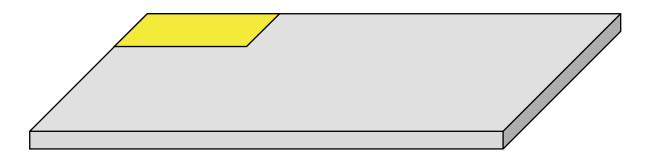
Current Diet
Global 6,200m²



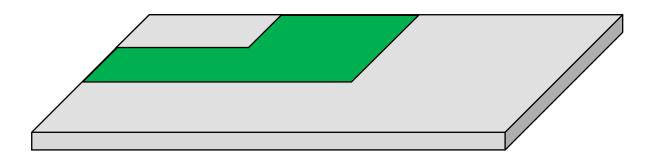
Land Per Person on Earth 17,000m²



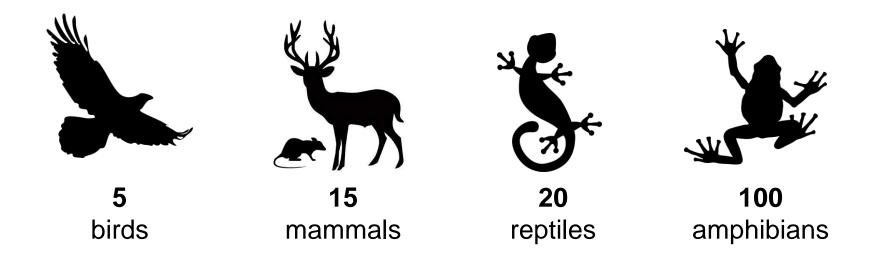
Current Diet
Global 6,200m²

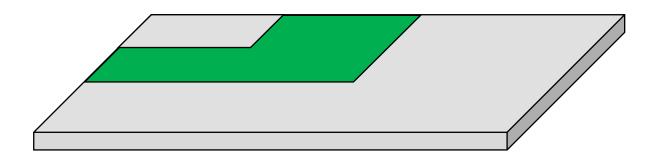


No Animal Products Diet 1,500m²

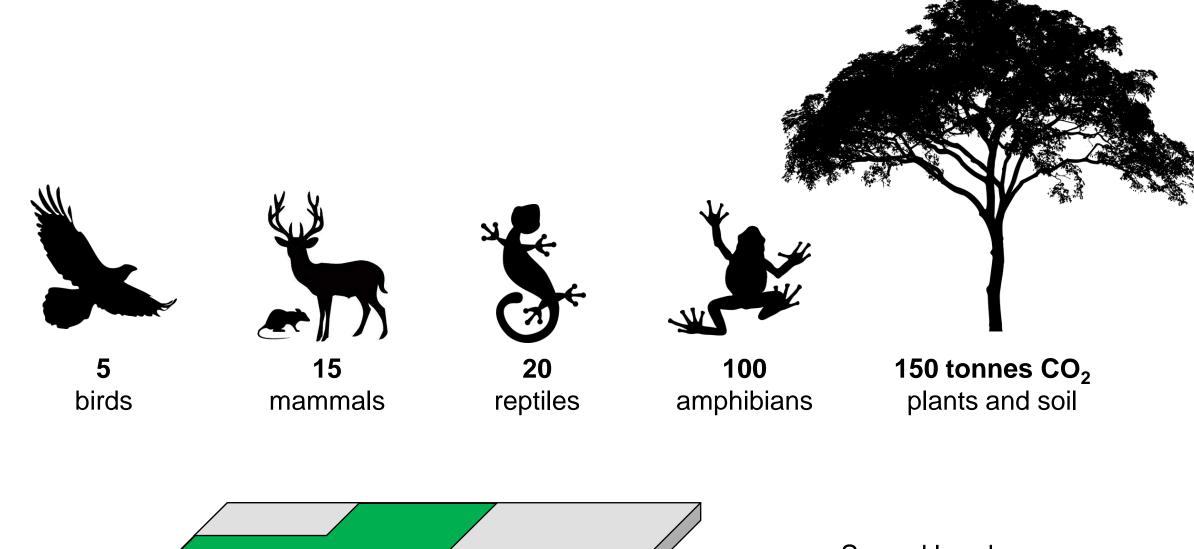


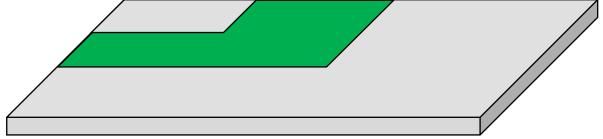
Spared Land 4,700m²





Spared Land 4,700m²

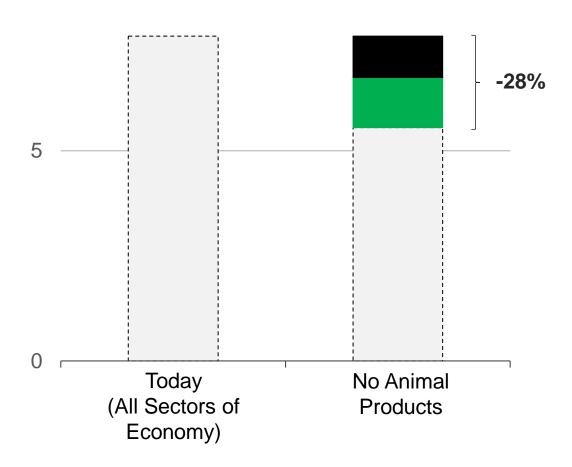




Spared Land 4,700m²

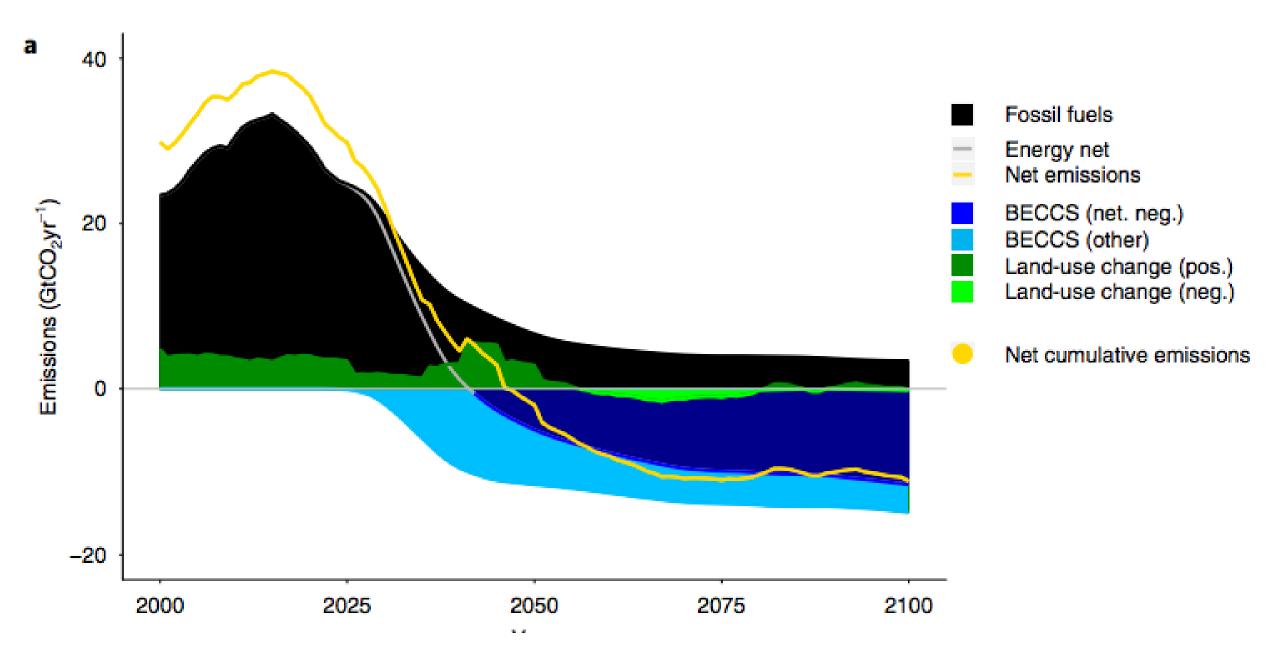
Greenhouse Gas Emissions Per Person (tonnes CO_2 eq, year = ~2015)



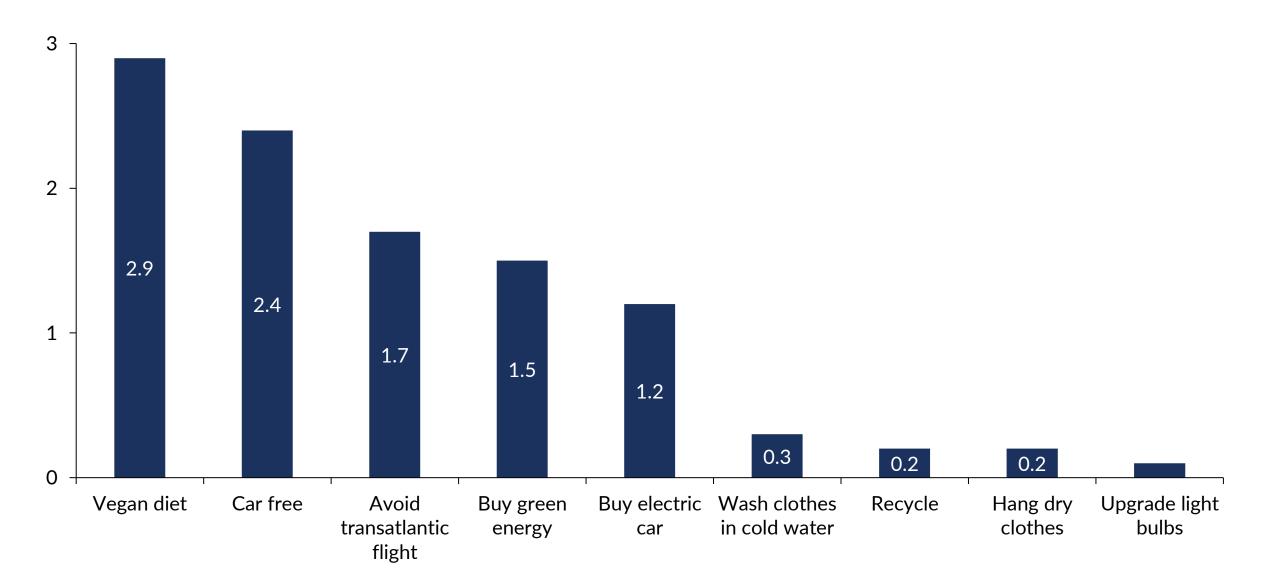


Emissions Reduction

Carbon Sink

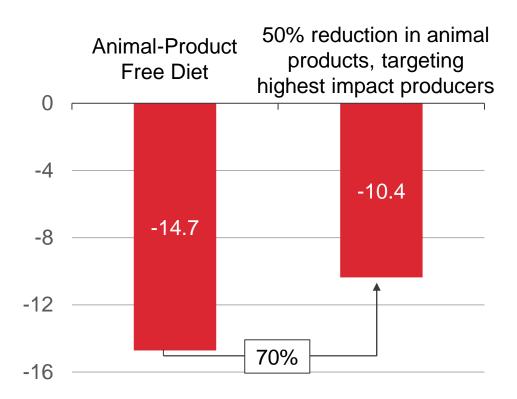


Greenhouse Gas Emissions Saved Per Person (tonnes CO₂eq, Europe)

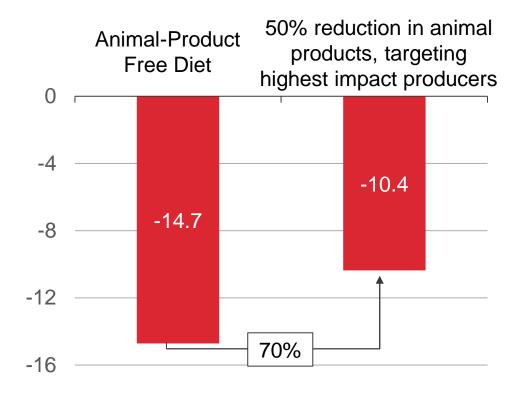


Sources: WWF (2023); Wynes & Nicholas (2017)

Greenhouse Gas Emissions (Gt CO₂eq)

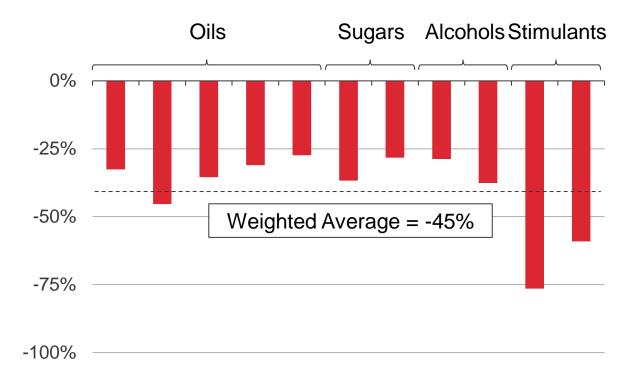


Greenhouse Gas Emissions (Gt CO₂eq)

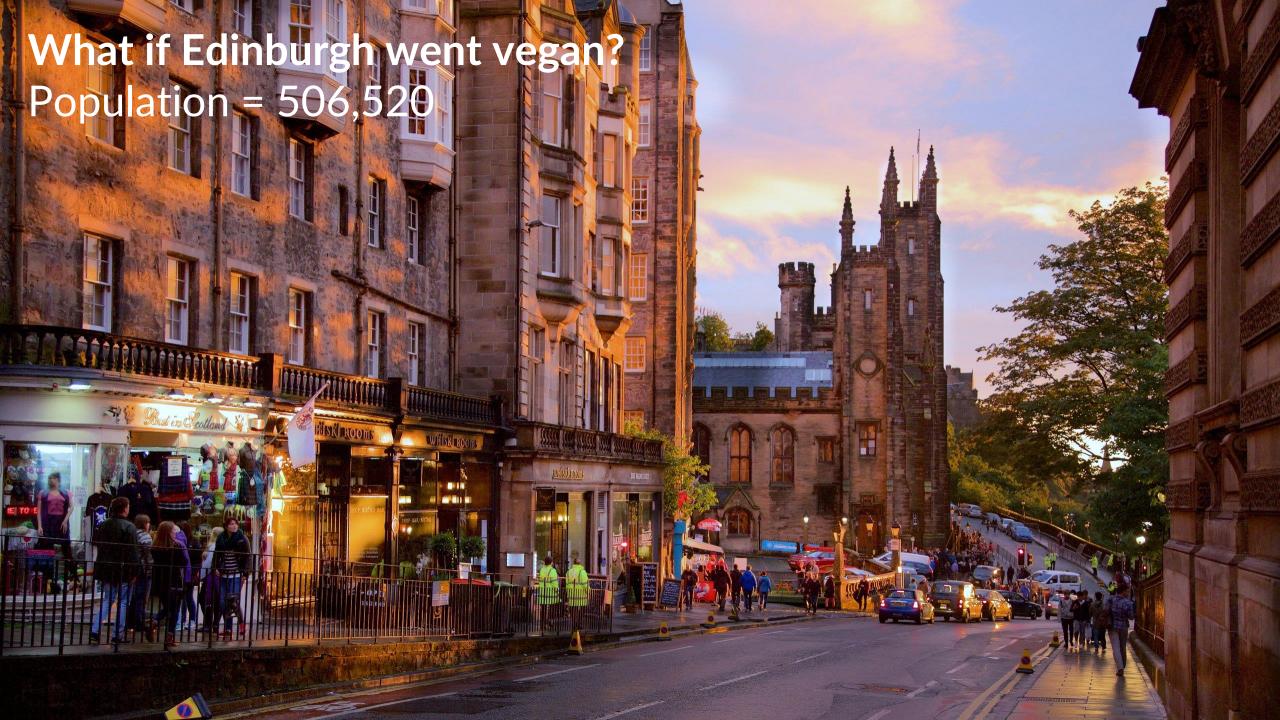


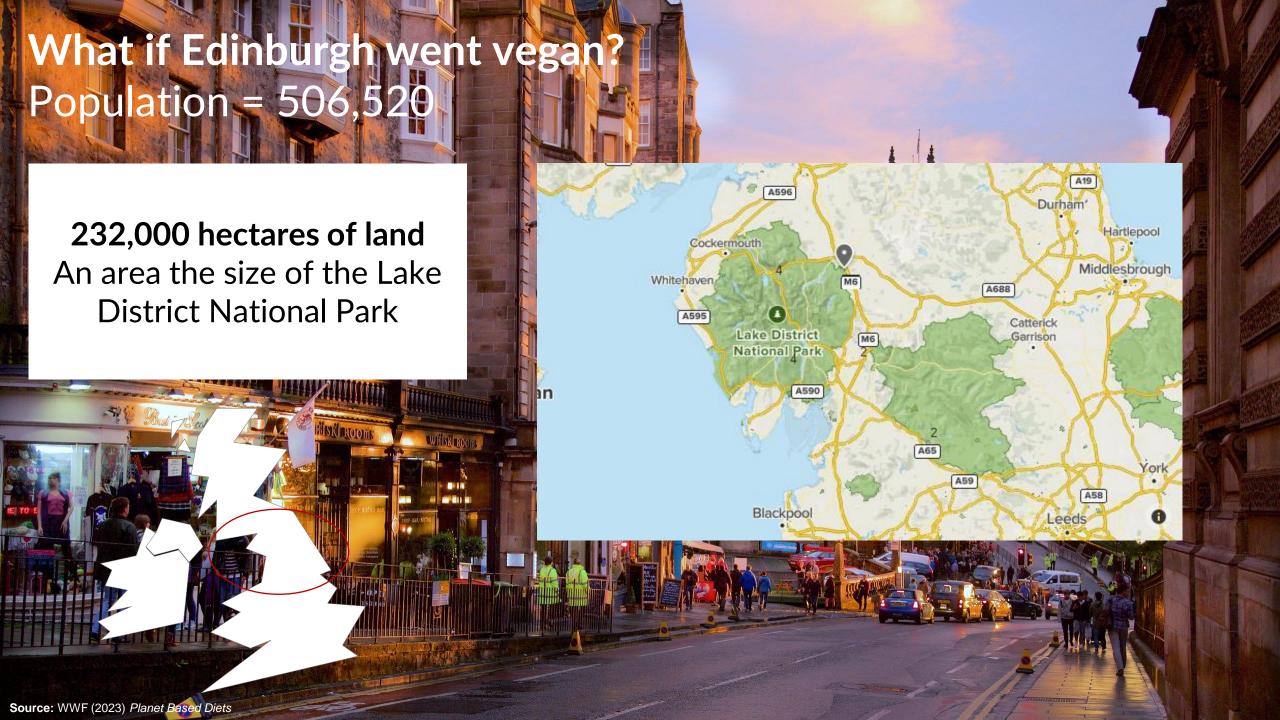
Change in Greenhouse Gas Emissions

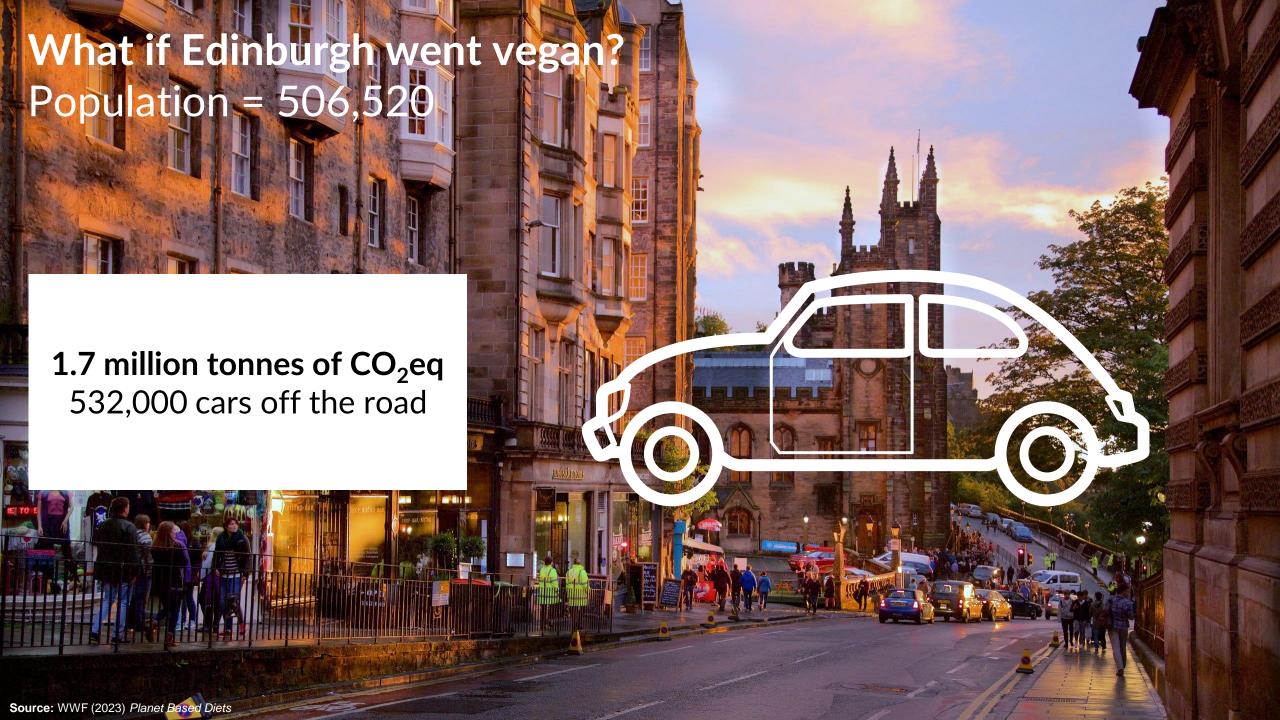
Consume 20% less, targeting the highest impact producers



PLANTBASES TREATY









What if Stockholm went vegan? Population = 975,551









New research focus: veganic farming



Looking for:

- Collaborators
- Funders
- Environmental modellers

Thank you...