



Bending the curve of biodiversity loss.

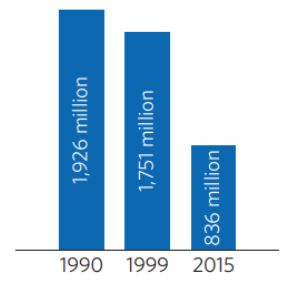
Taking a positive approach to address negative trends

DR MIKE BARRETT – WWF-UK

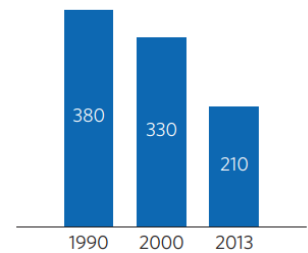
9TH TRONDHEIM CONFERENCE ON BIODIVERSITY, 2 JULY 2019

We are not living in harmony with nature

Global number of extreme poor



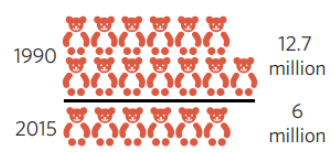
Global maternal mortality ratio (deaths per 100,000 live births)



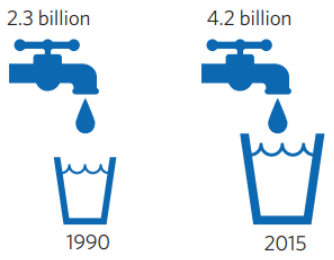
Global out-of-school children of primary school age



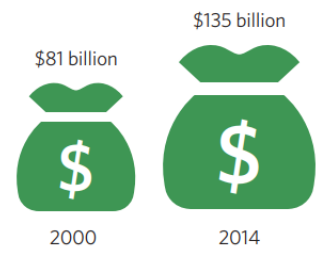
Global number of deaths of children under five



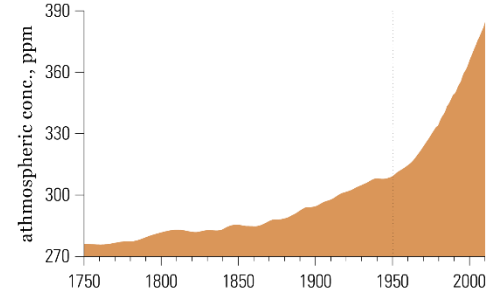
1.9 billion people have gained access to piped drinking water since 1990



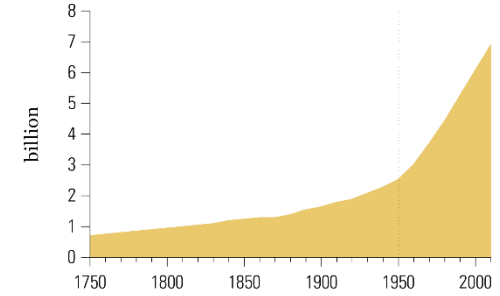
Official development assistance



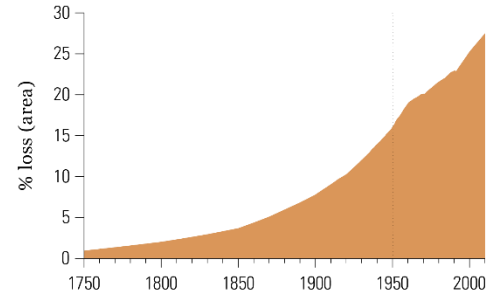
CARBON DIOXIDE (CO₂)



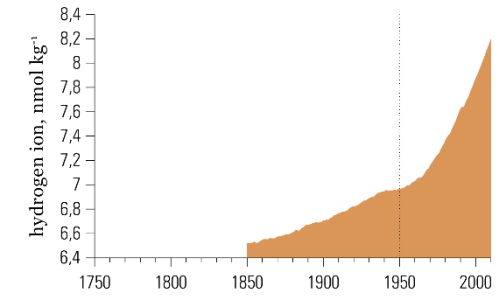
WORLD POPULATION



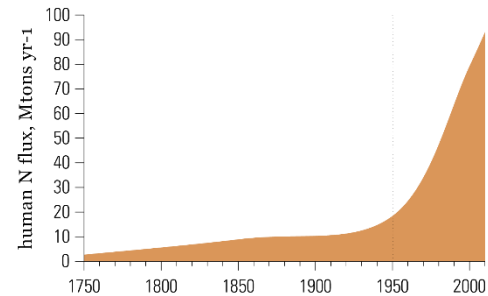
TROPICAL FOREST LOSS



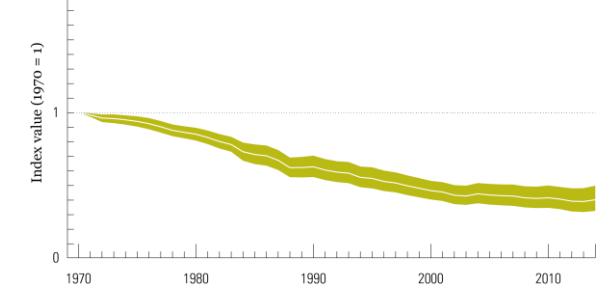
OCEAN ACIDIFICATION



NITROGEN TO COASTAL ZONE

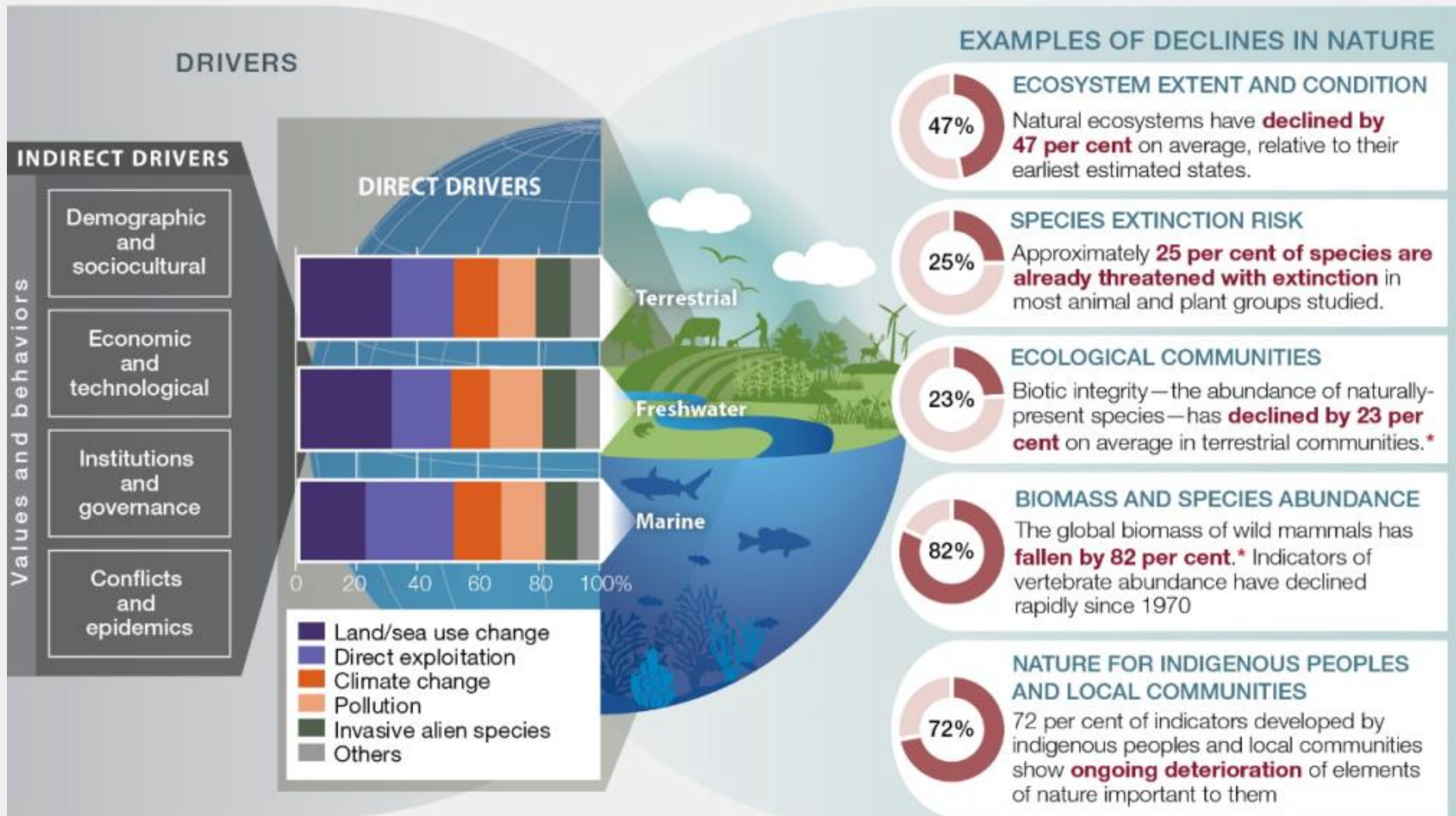


LIVING PLANET INDEX



From: United Nations. *The Millennium Development Goals Report 2015*

From: Steffen, W., Broadgate, W., Deutsch, L., Gaffney, O. & Ludwig, C. *The trajectory of the Anthropocene: The Great Acceleration. The Anthropocene Review 2: 81-98*



The 2050 vision for the CBD is aspirational, robust and achievable...

However, the 2020 mission is in danger of failure...

But is it any wonder?

“By 2050, biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people”

Take urgent and effective action to halt the loss of biodiversity...

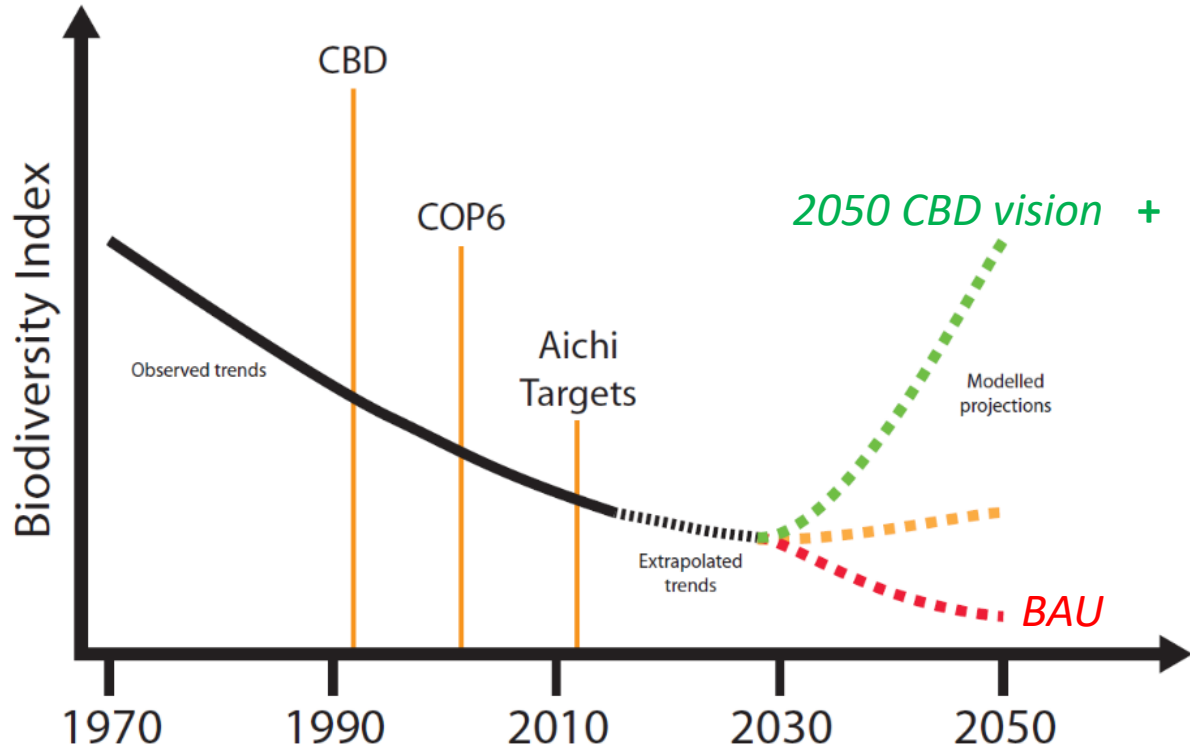


“By 2020, at the latest, Governments, business and stakeholders at all levels **have taken steps to achieve** or have implemented plans for sustainable production and consumption and have **kept the impacts of use of natural resources well within safe ecological limits.**”

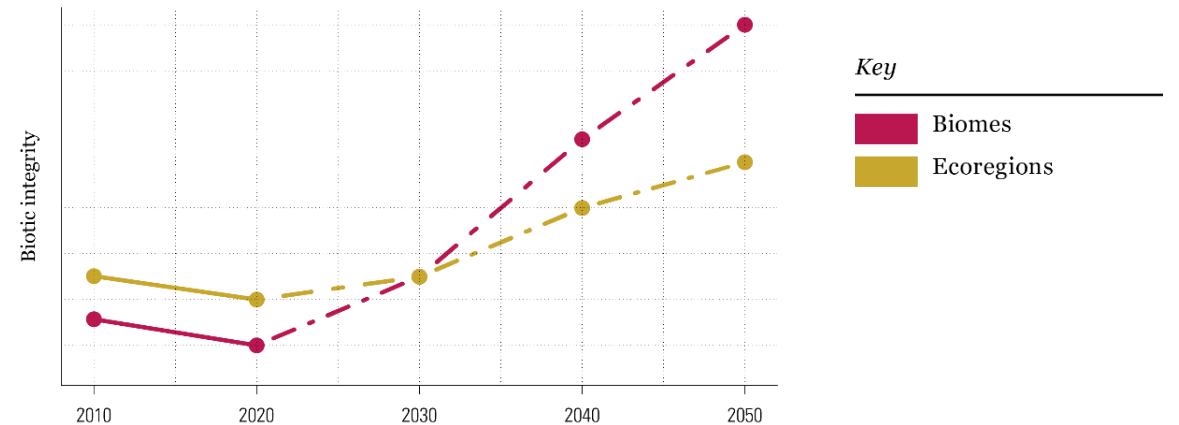
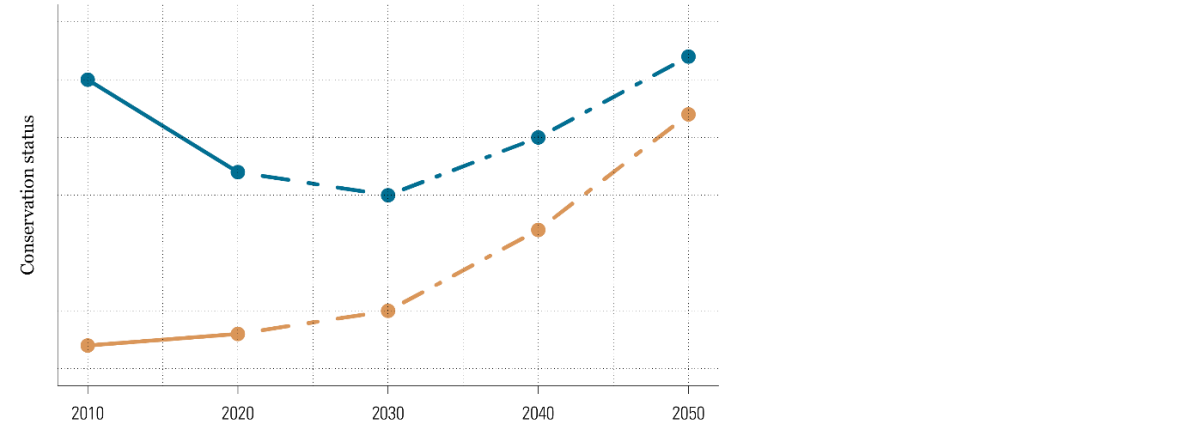
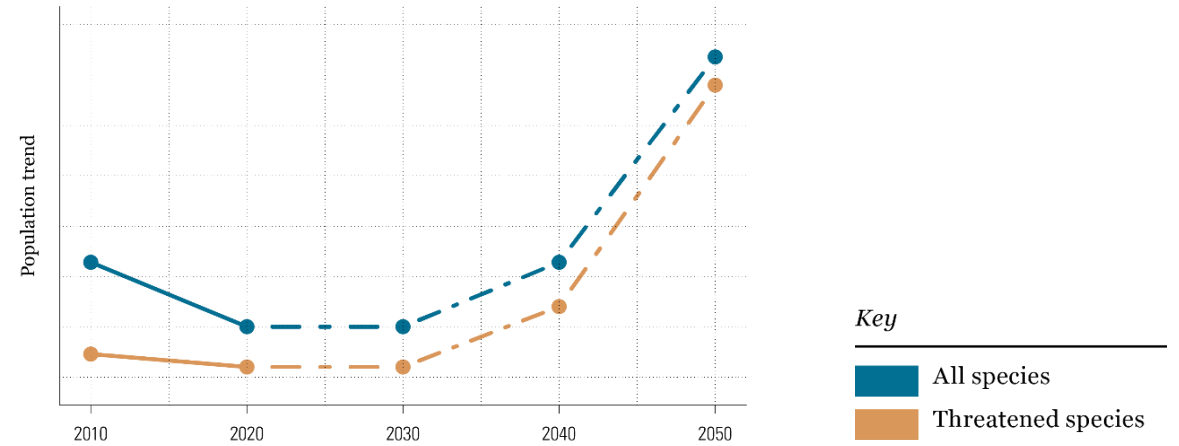


By 2020, the rate of loss of all natural habitats, including forests, is **at least halved** and **where feasible brought close to zero**, and degradation and fragmentation is **significantly reduced.**

Bending the Curve of Biodiversity loss

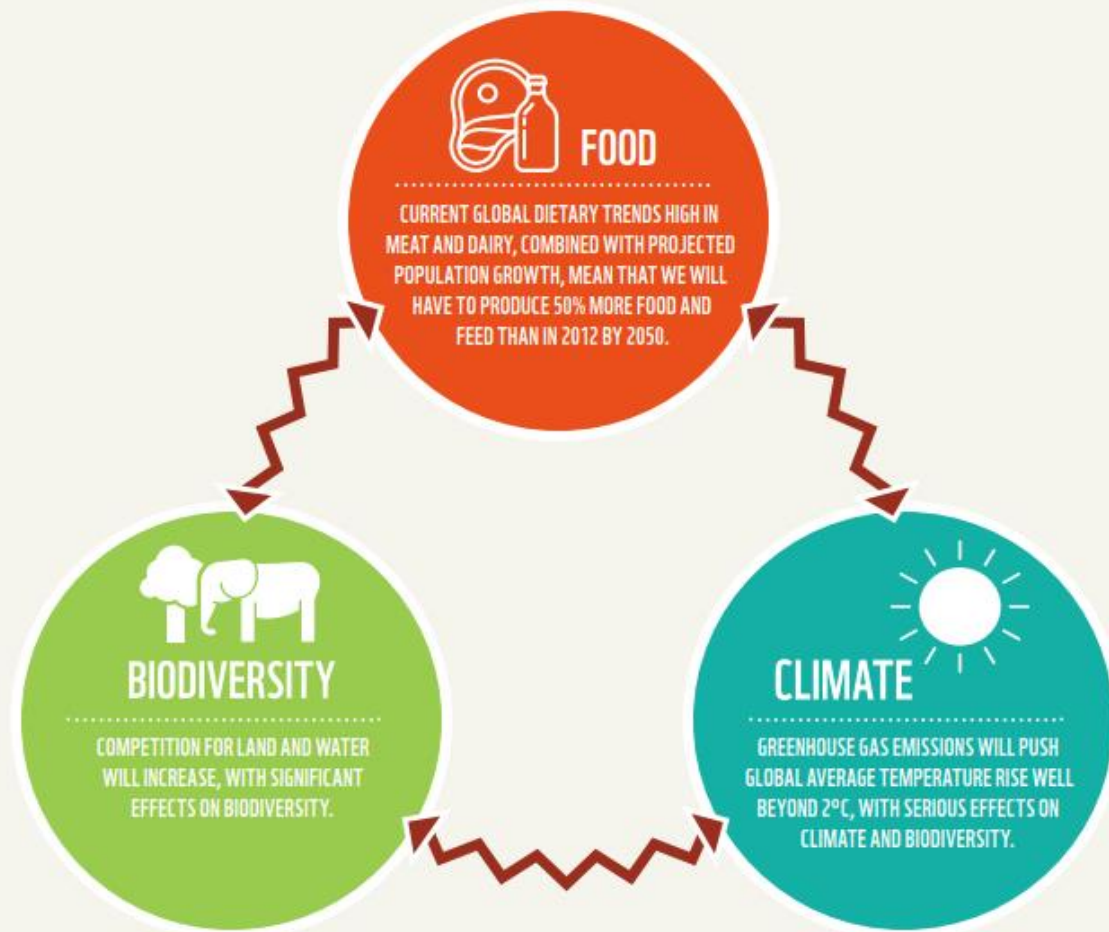


From: Mace, G. M et al. *Aiming Higher to bend the curve of biodiversity loss. Nature Sustainability 1: 448-451*

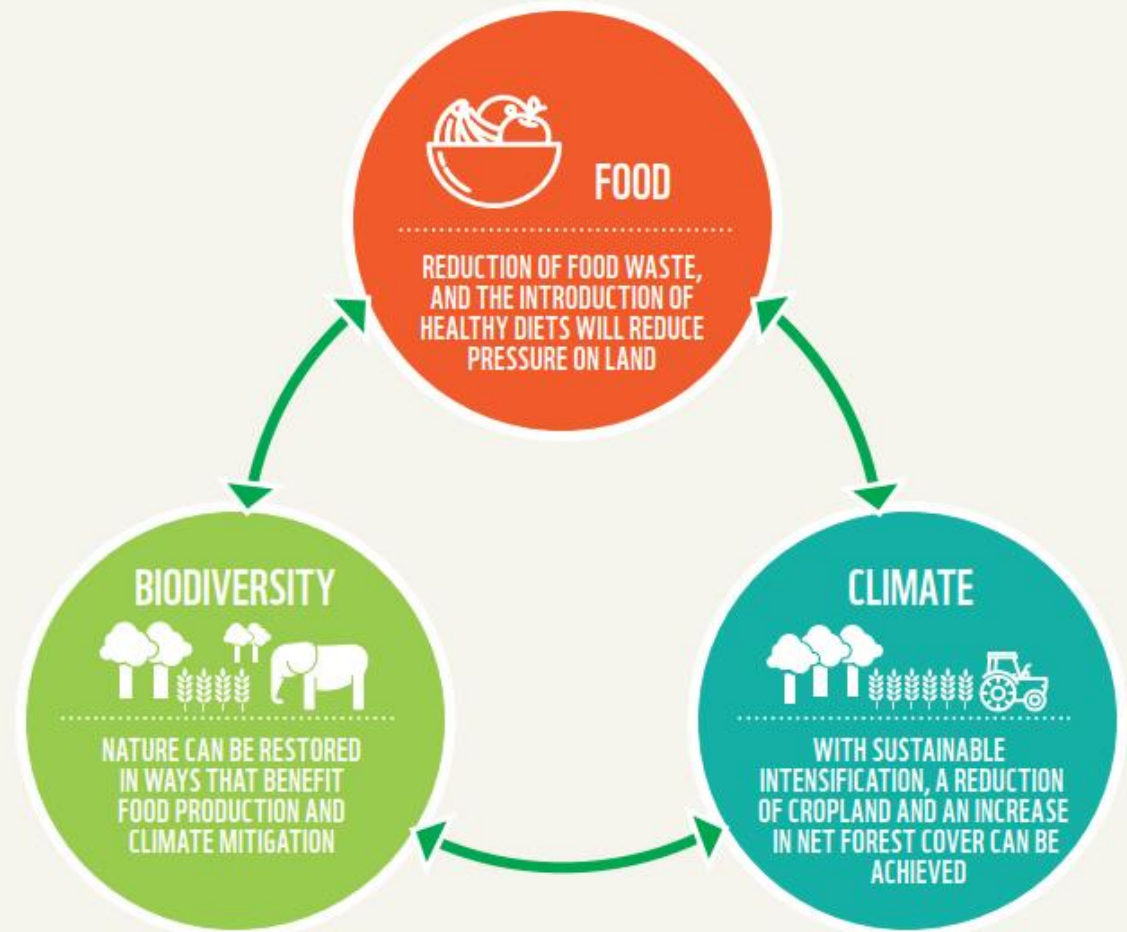


The Triple Challenge

VICIOUS CIRCLE



VIRTUOUS CIRCLE



- We need to succeed **on all 3 elements**; if one fails all fail
- therefore **impacts of solutions across all 3** must be considered
- **Conservation solutions that spike food prices** or restrict availability must be discounted
- **Climate solutions that destroy natural systems** must be discounted
- Work being led from IIASA to establish whether the curve of biodiversity loss can be bent without triple jeopardy

Can we bend the curve?

To achieve the 2030 mission, we urgently need to...



Safeguard our planet's natural spaces



Make production and consumption sustainable



Stop the loss of species and the diversity of life

A new ambition



Protect and Restore nature by 2030 for the benefit of People and the Planet, in support of the Sustainable Development Goals



by 2030

How we get there

Zero loss of natural habitats

Halve footprint of production & consumption

Zero extinction of species

Why



Food for 9B



Water for 9B



Diversity of life



Stable climate



Inclusive communities



WWF®