



# **Nature Positive: fact or fiction?**

*Joe W Bull*

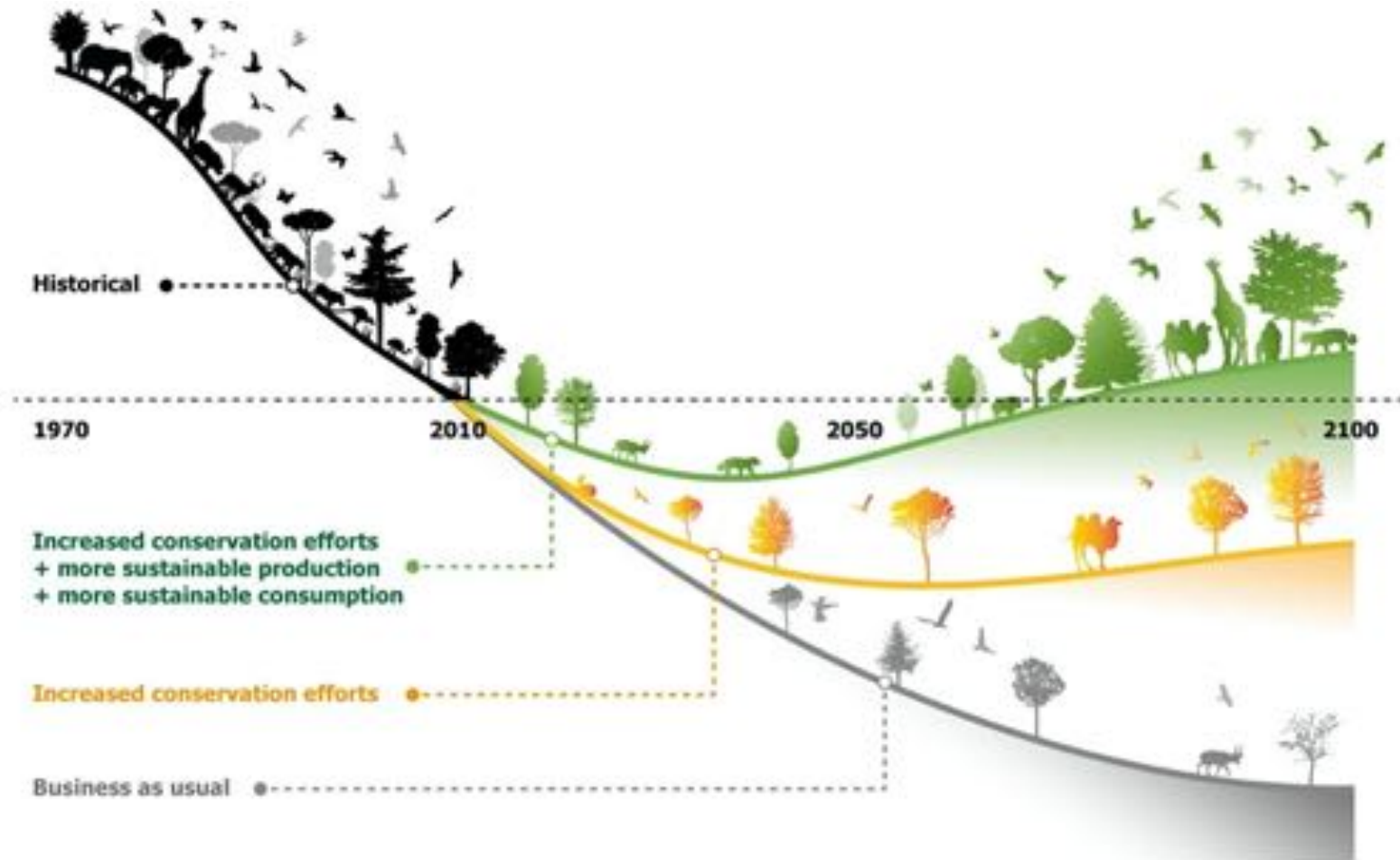


Credit: J W Bull





# Nature Positive



Leclère et al. (2020) *Nature*, **585**, 551-556

See also: Bull et al. (2020) *Nature Ecology & Evolution*, **4**(1), 4-7

# Nature Positive principles

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## Nature Positive needs:

- a measured biodiversity baseline
- a timeframe
- a target (e.g. biodiversity 20% above baseline)
- a clear set of actions to be carried out, costed and sequenced
- an analysis of how these actions will add up to get us to net gain
- regular monitoring and disclosure of progress towards our goal

# Nature Positive principles

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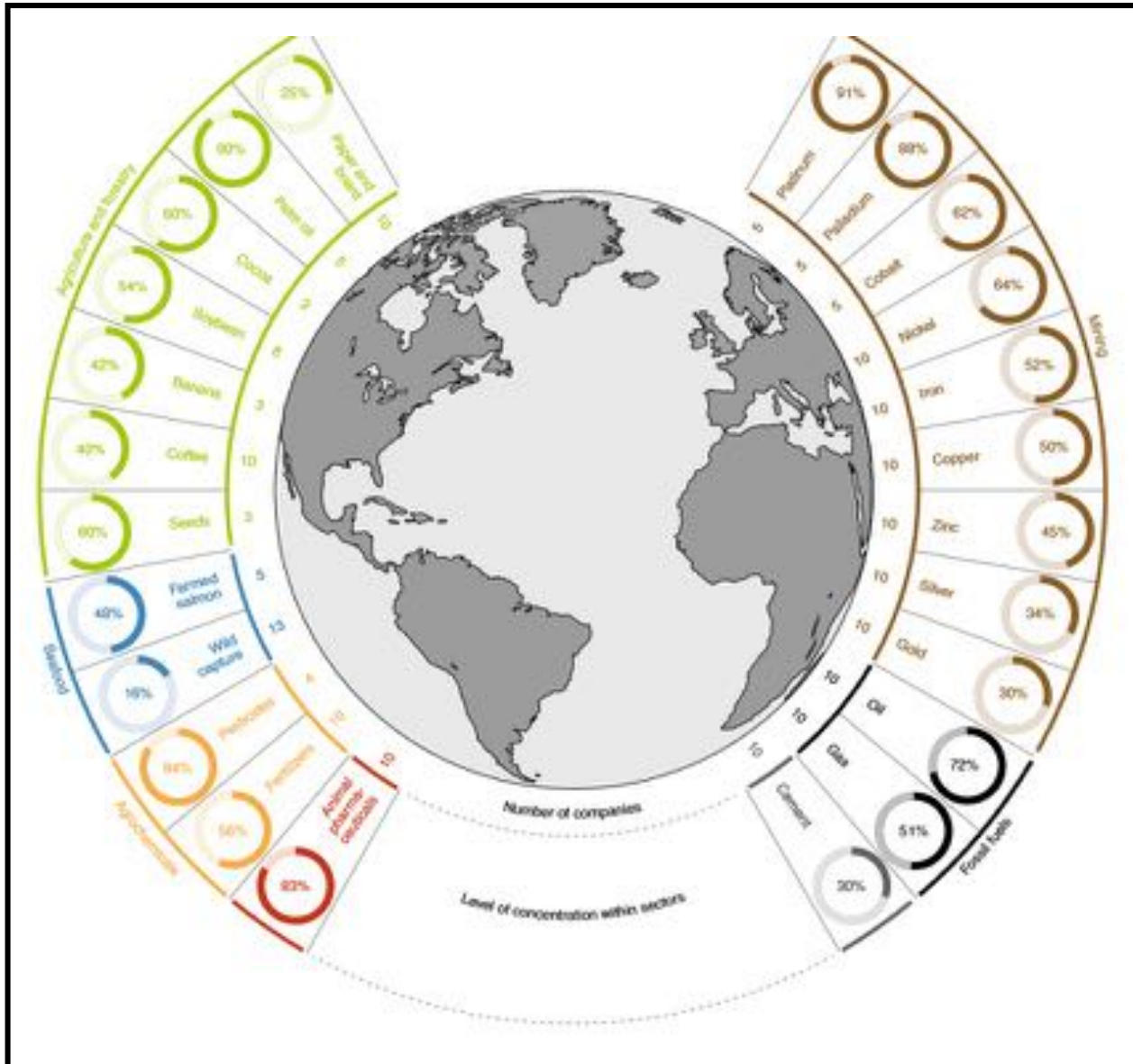
29. The mission of the framework for the period up to 2030, towards the 2050 vision is:  
To take urgent action to halt and reverse biodiversity loss to put nature on a path to recovery for the benefit of people and planet by conserving and sustainably using biodiversity, and ensuring the fair

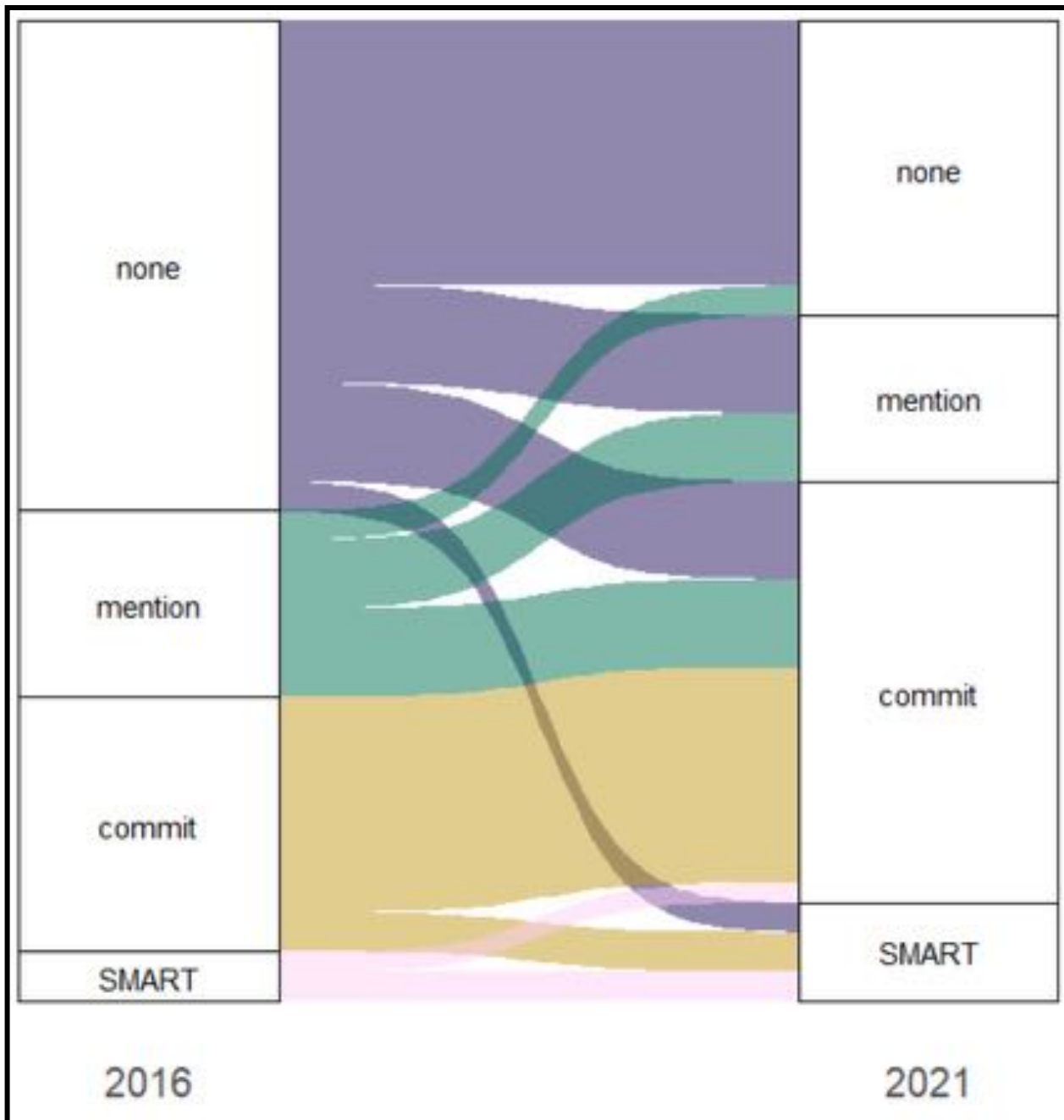


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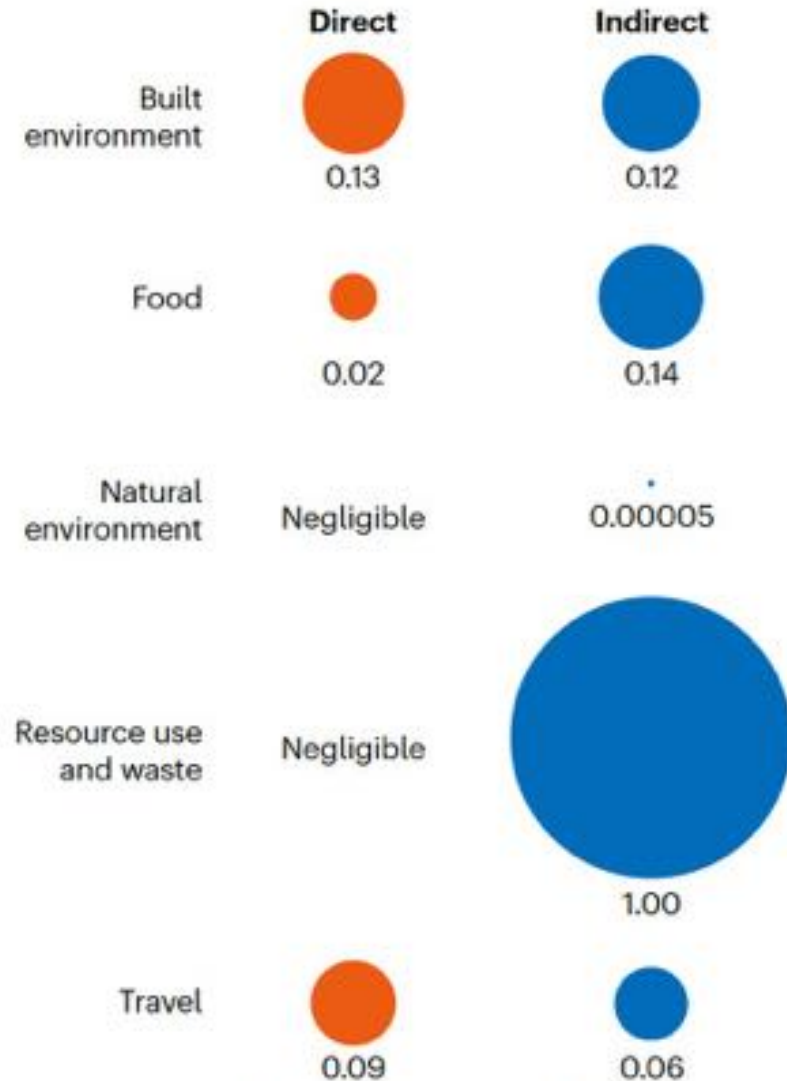






# UPSTREAM EFFECTS

The University of Oxford's biggest impact on biodiversity\* is from the indirect effects of resource use and waste in external supply chains it does not control.

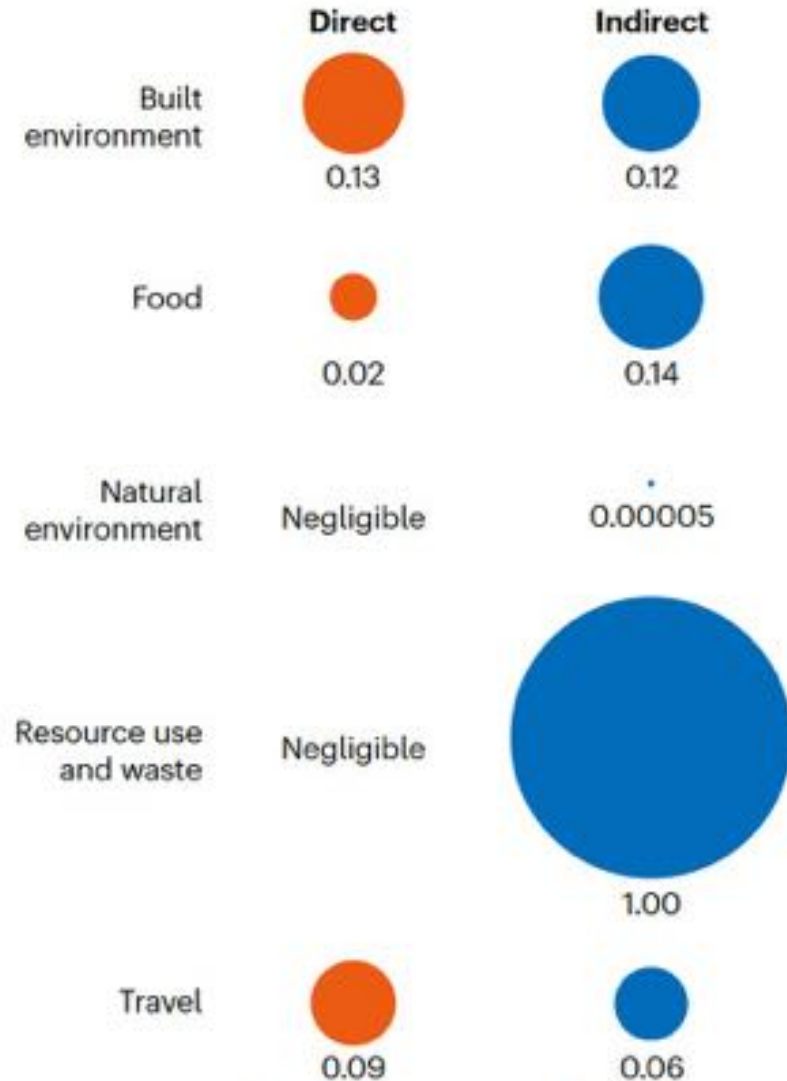


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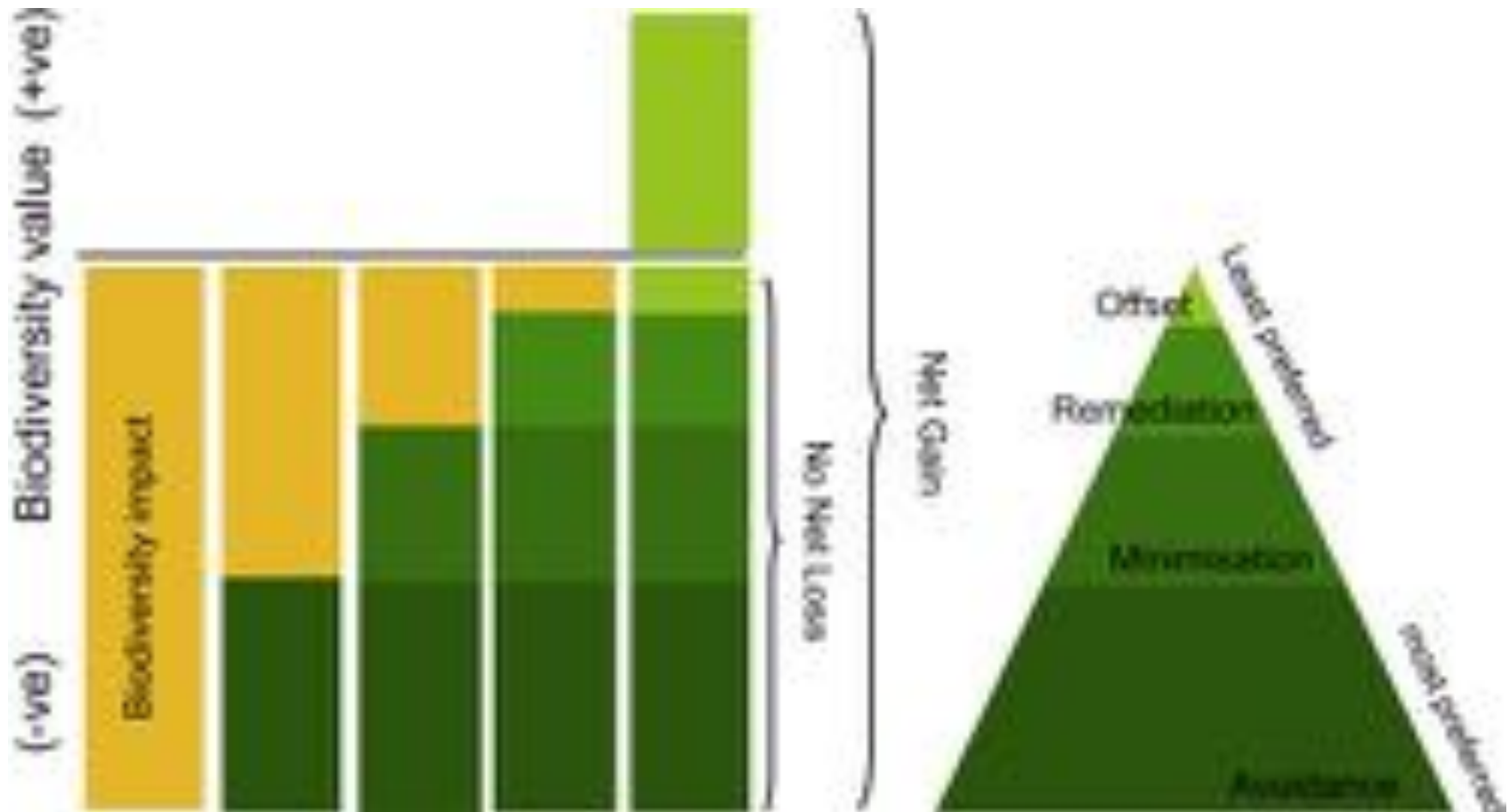


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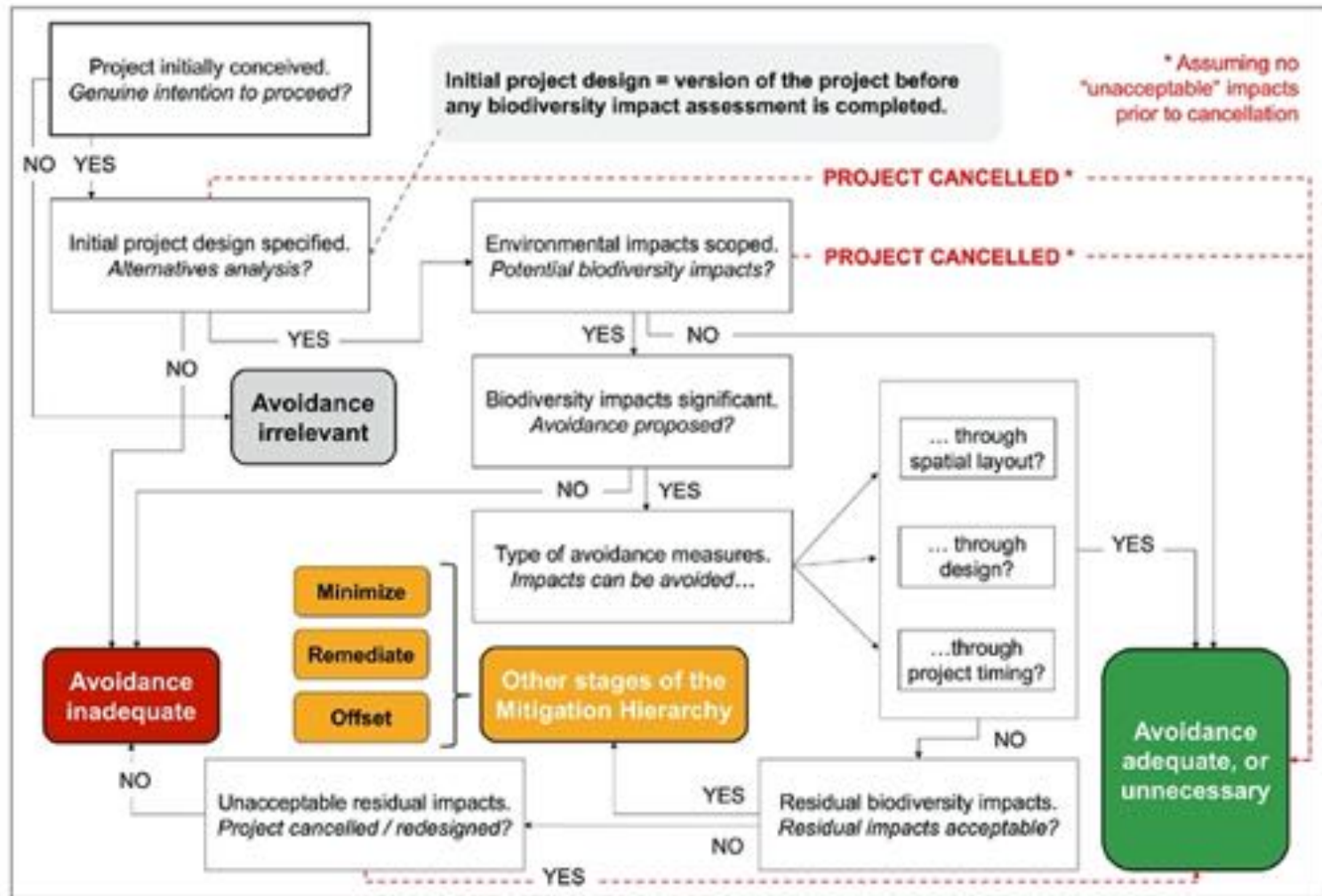


# Mitigation + Conservation

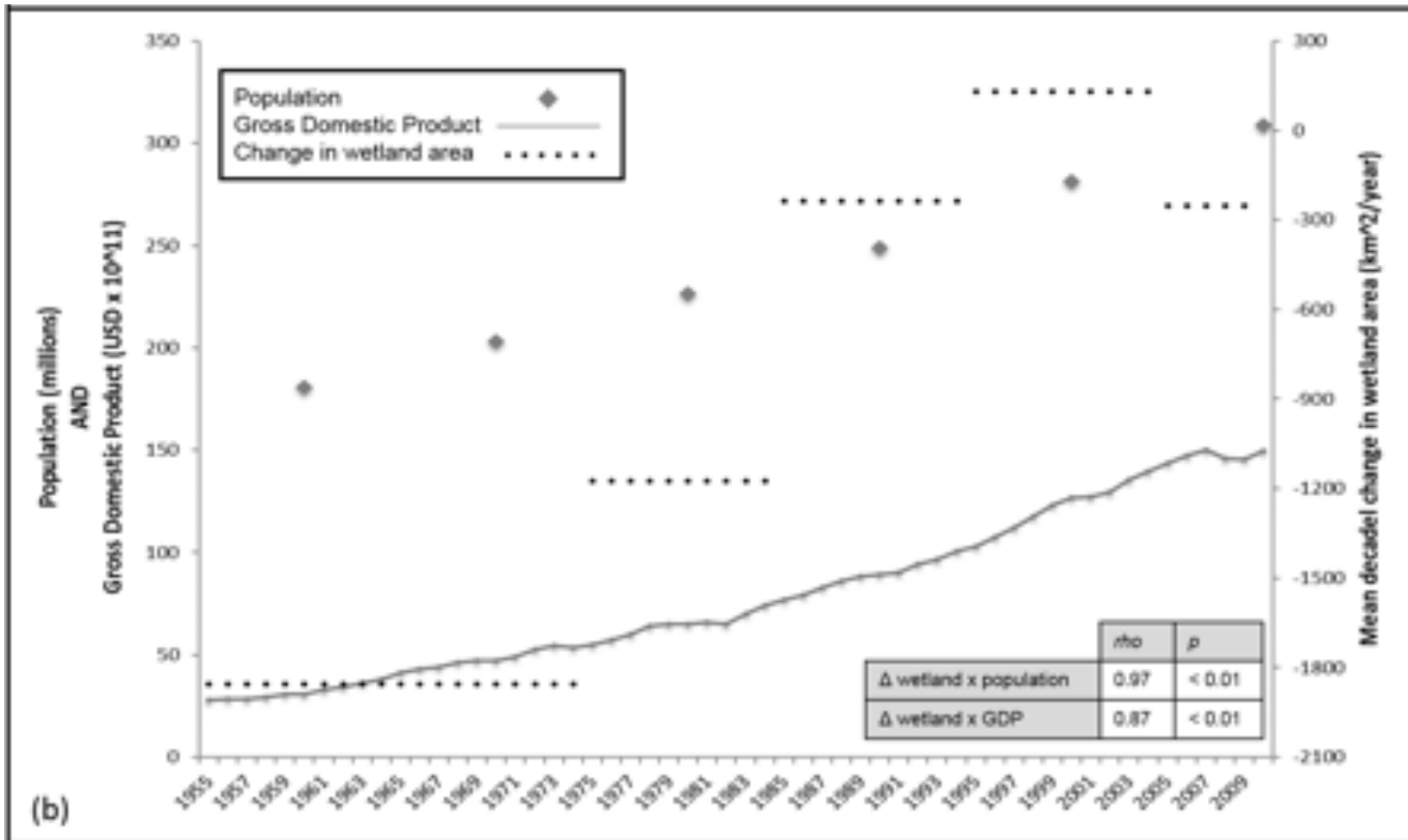
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# Avoidance

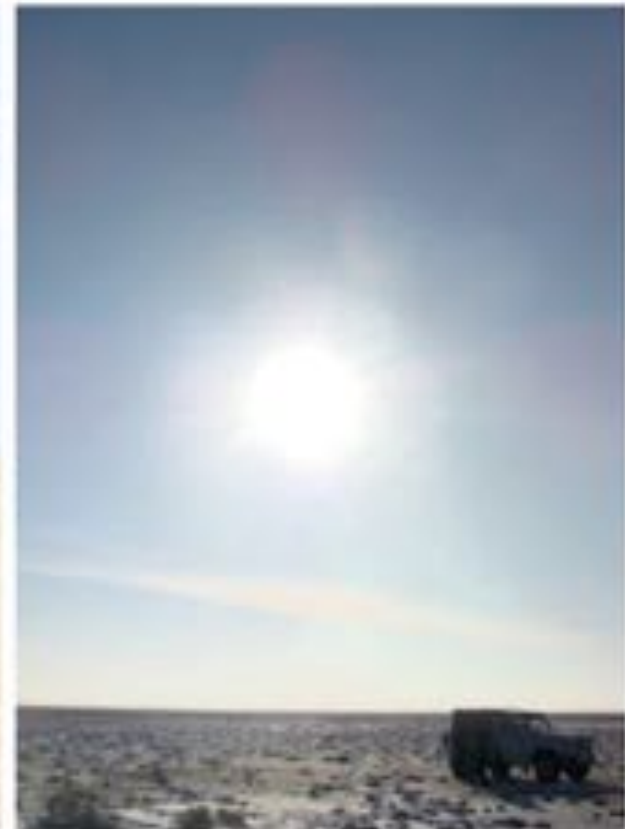


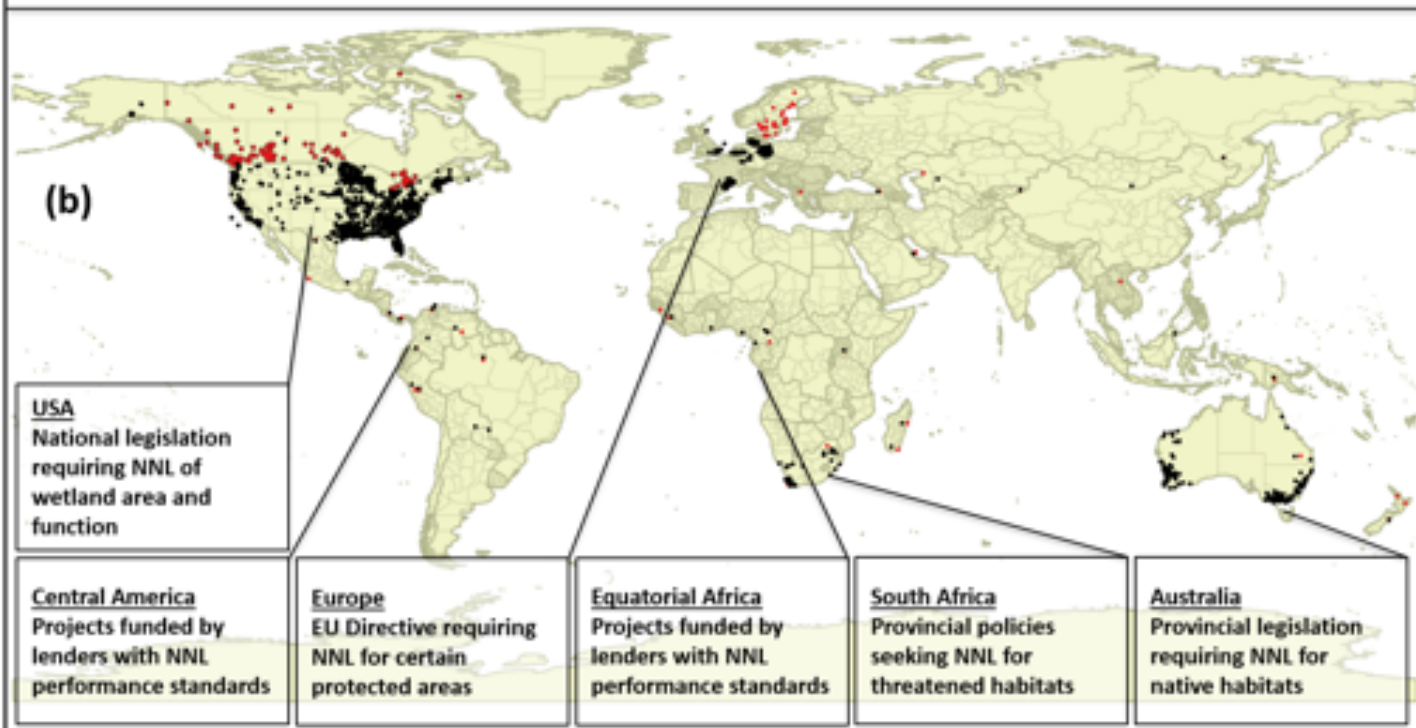
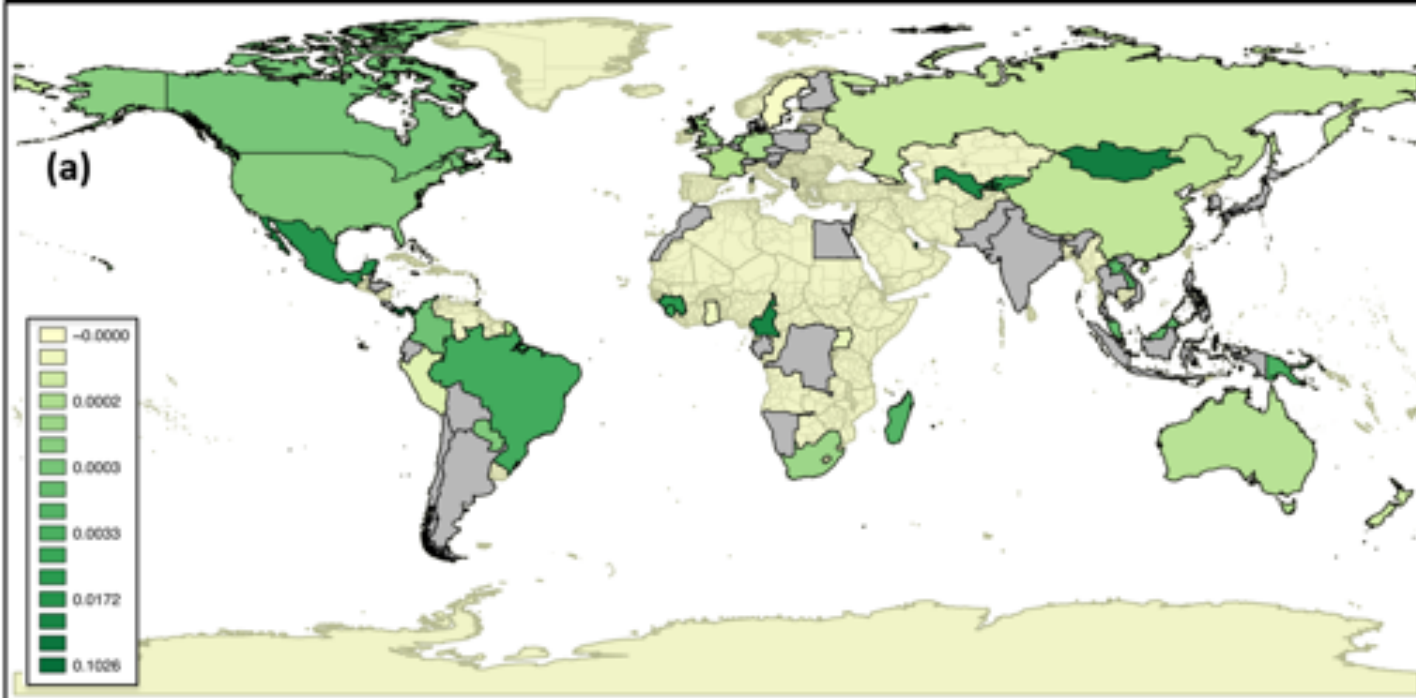
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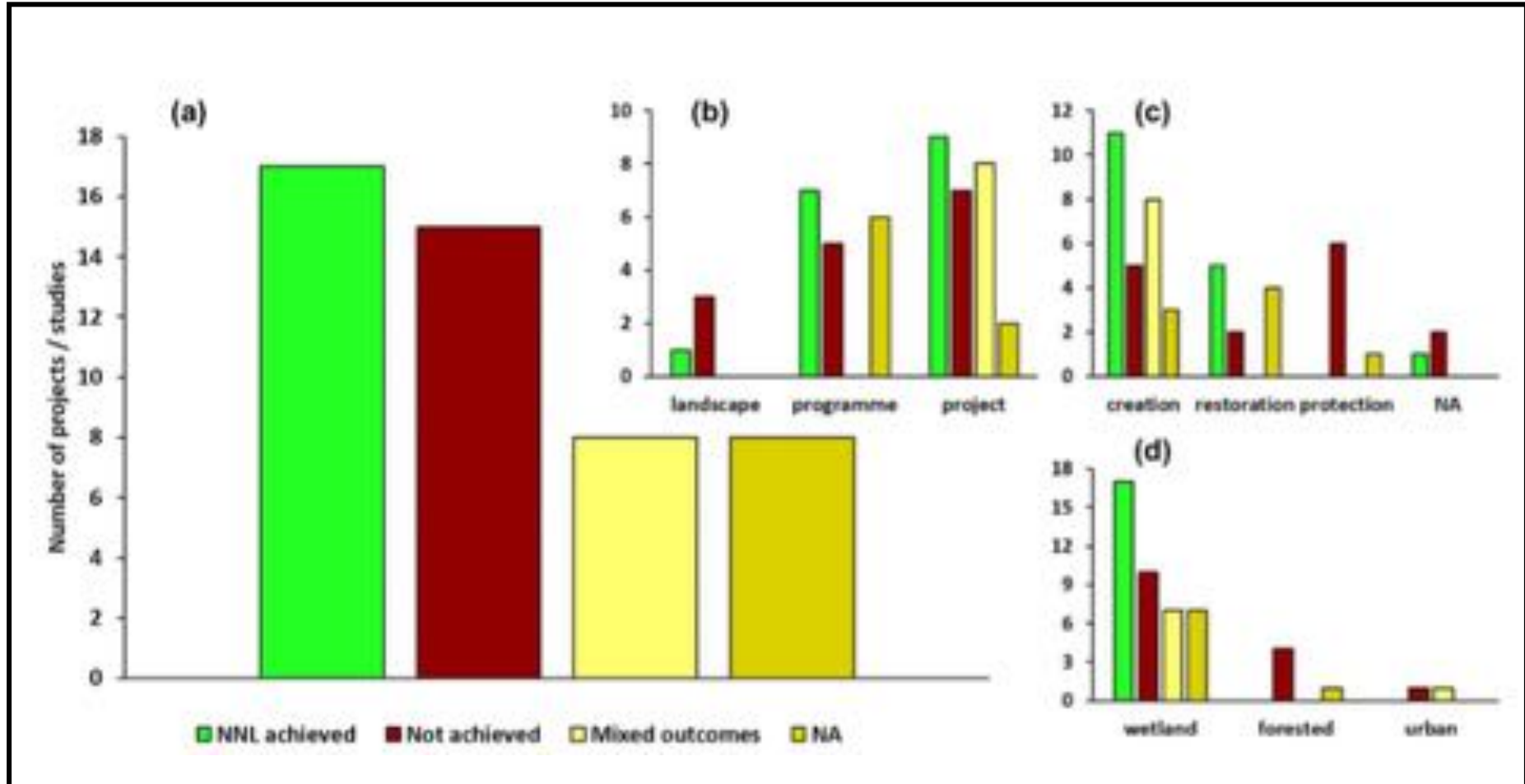
# Biodiversity gains

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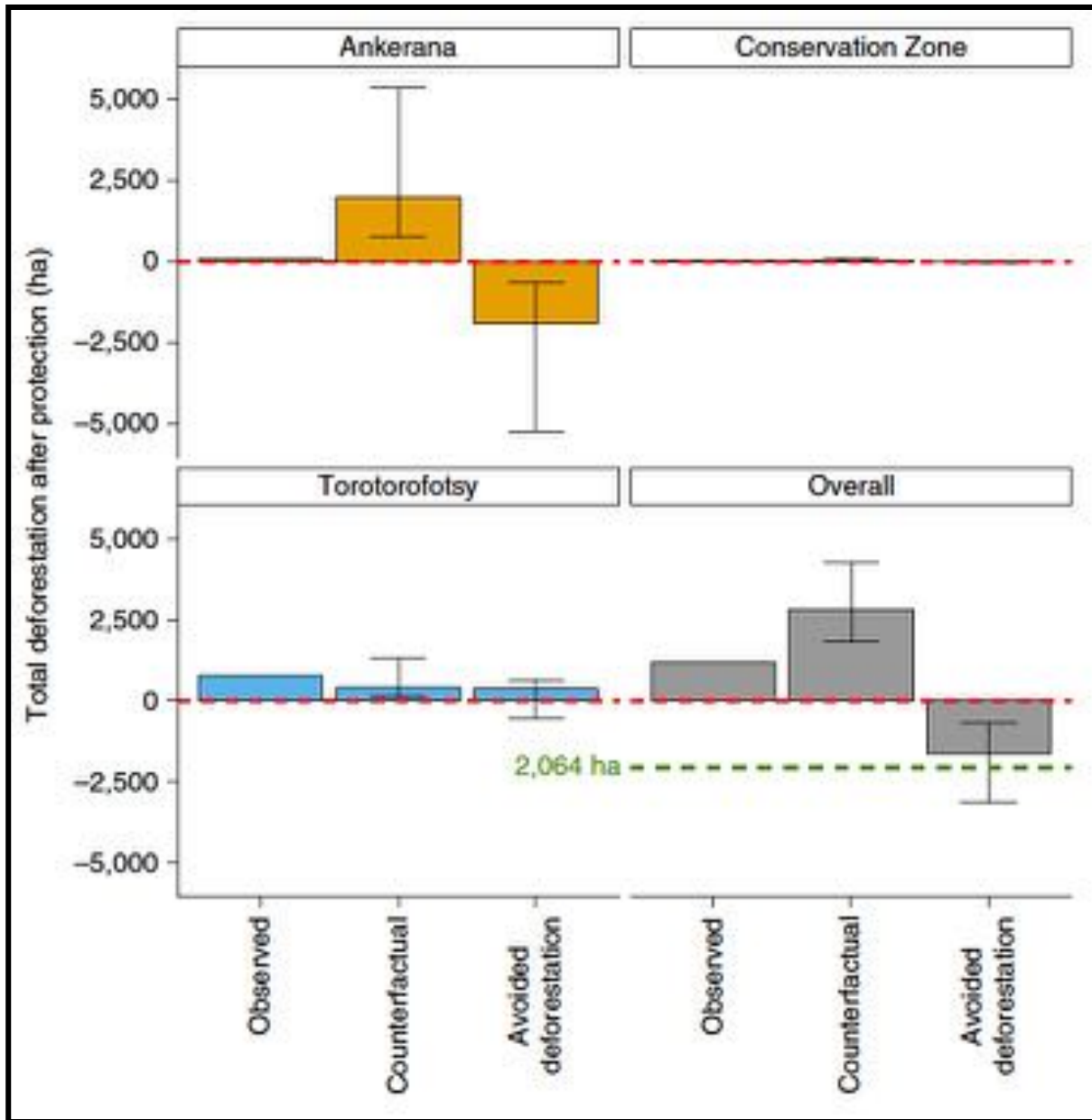




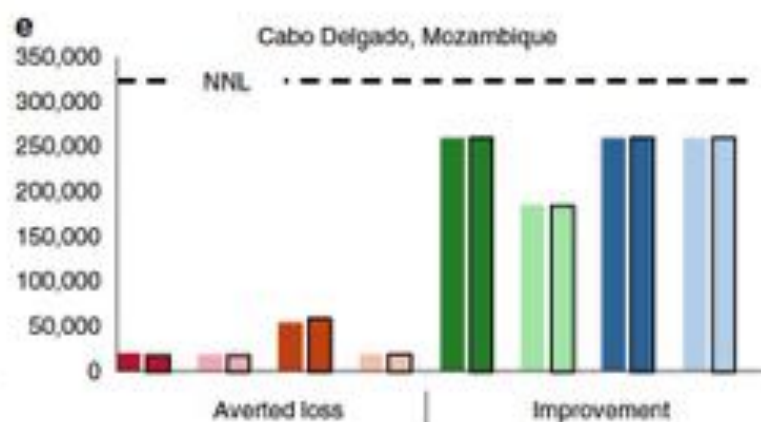
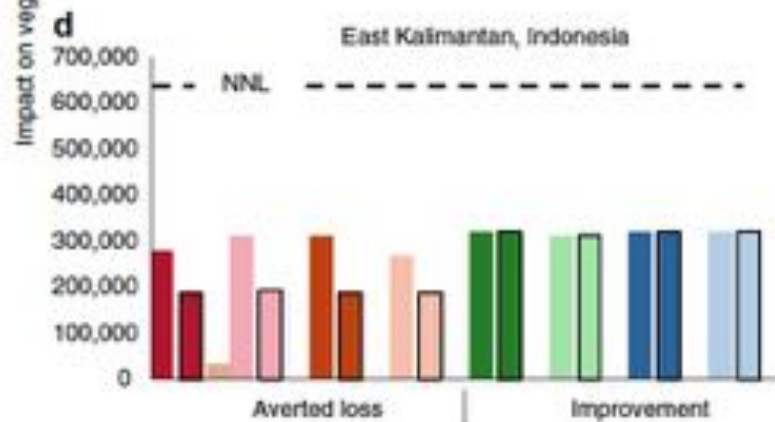
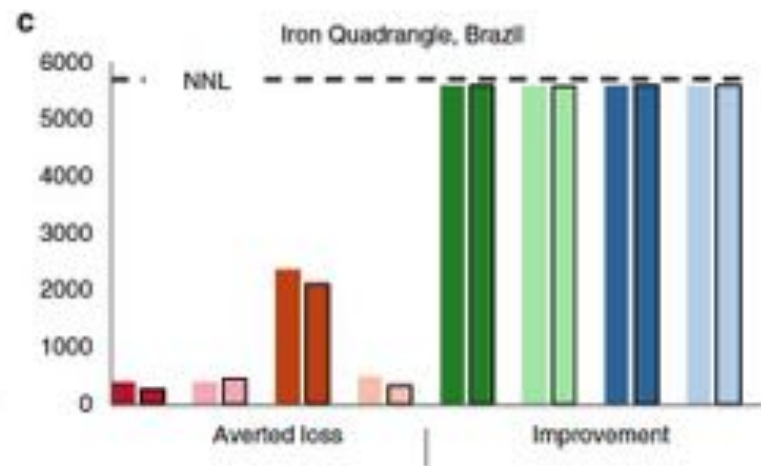
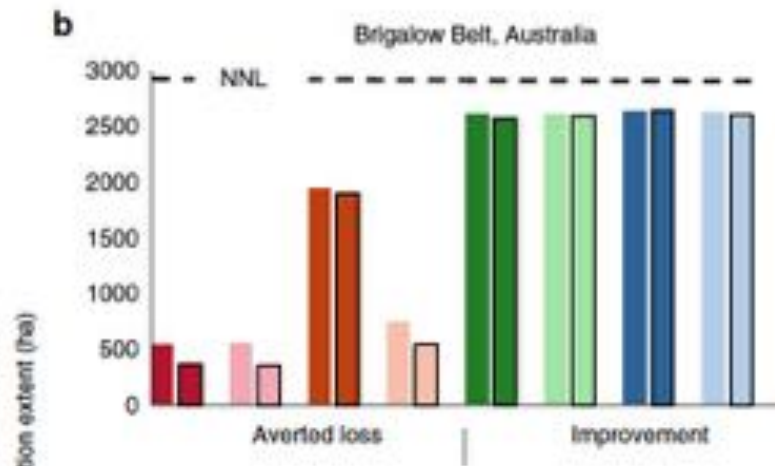
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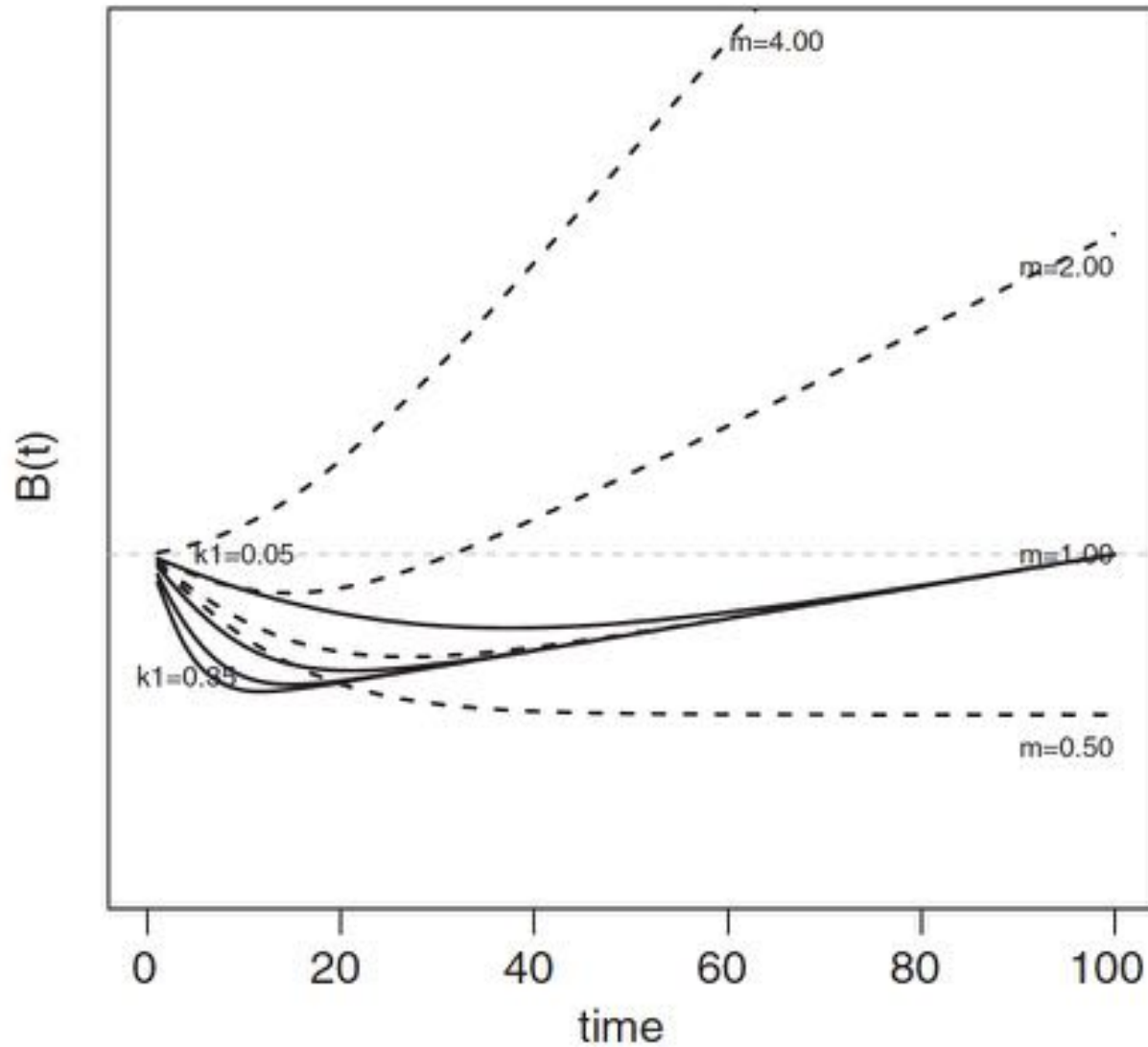


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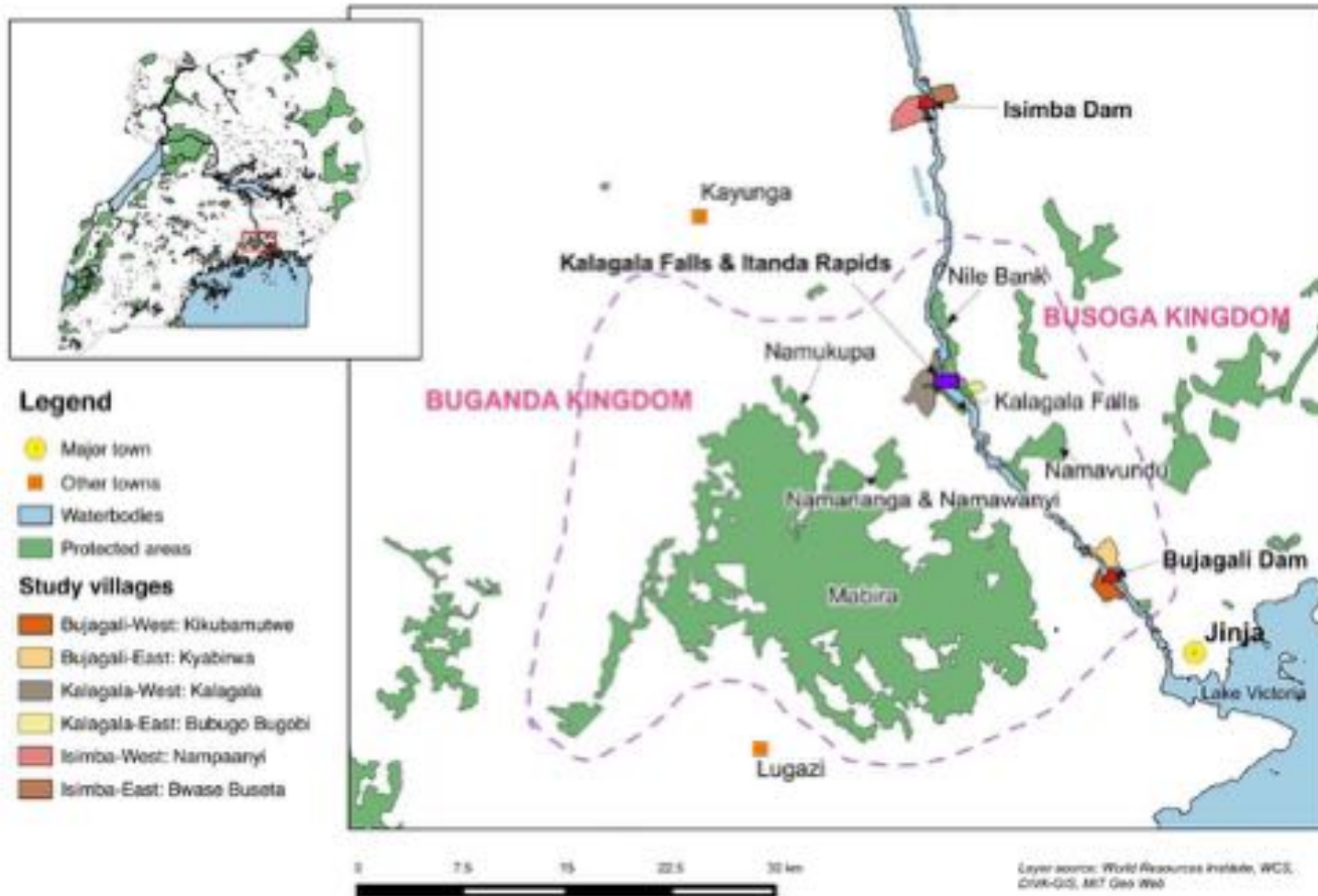
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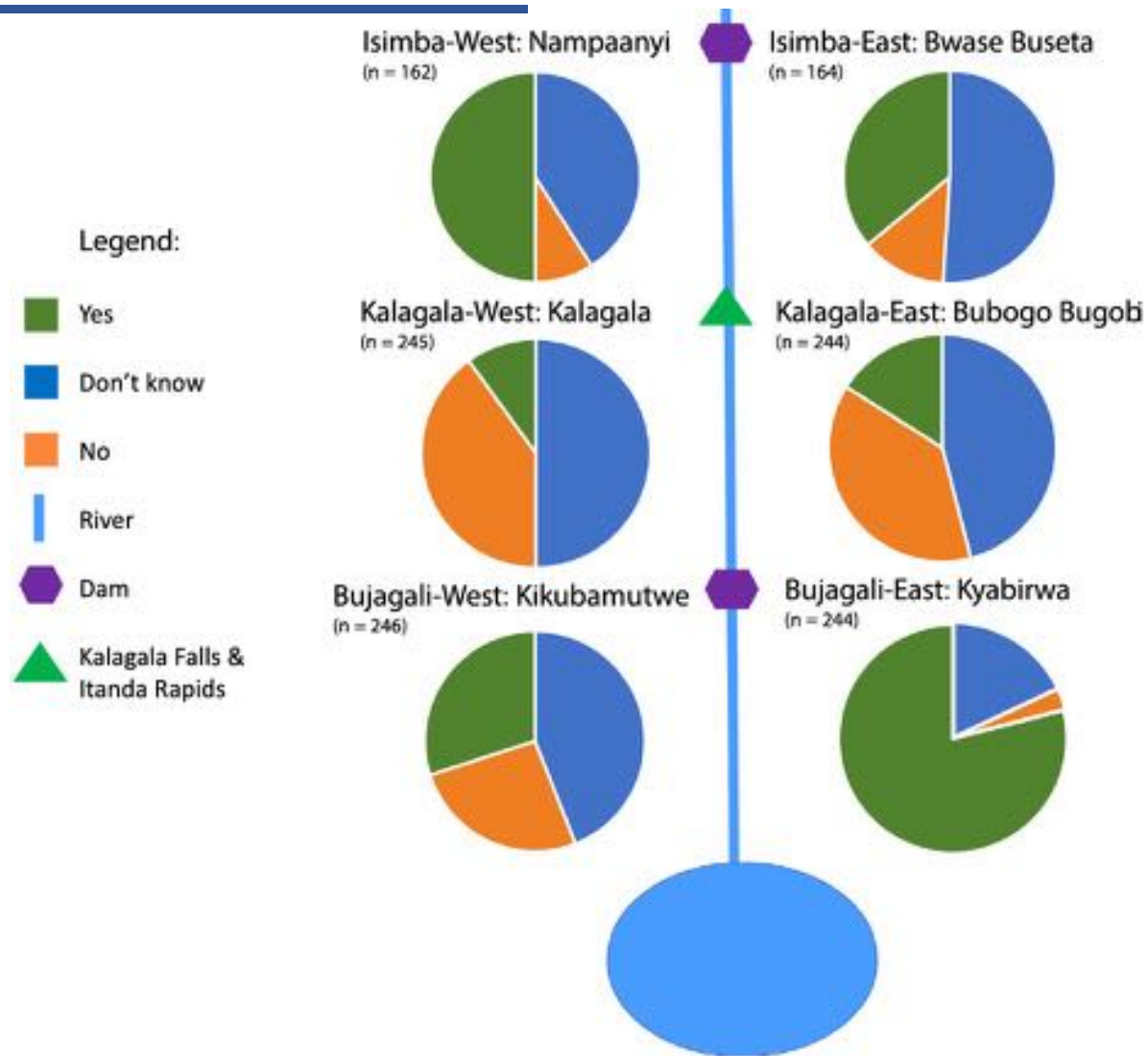


Bull, et al. (2014) *Conservation Biology*

# Biodiversity gains

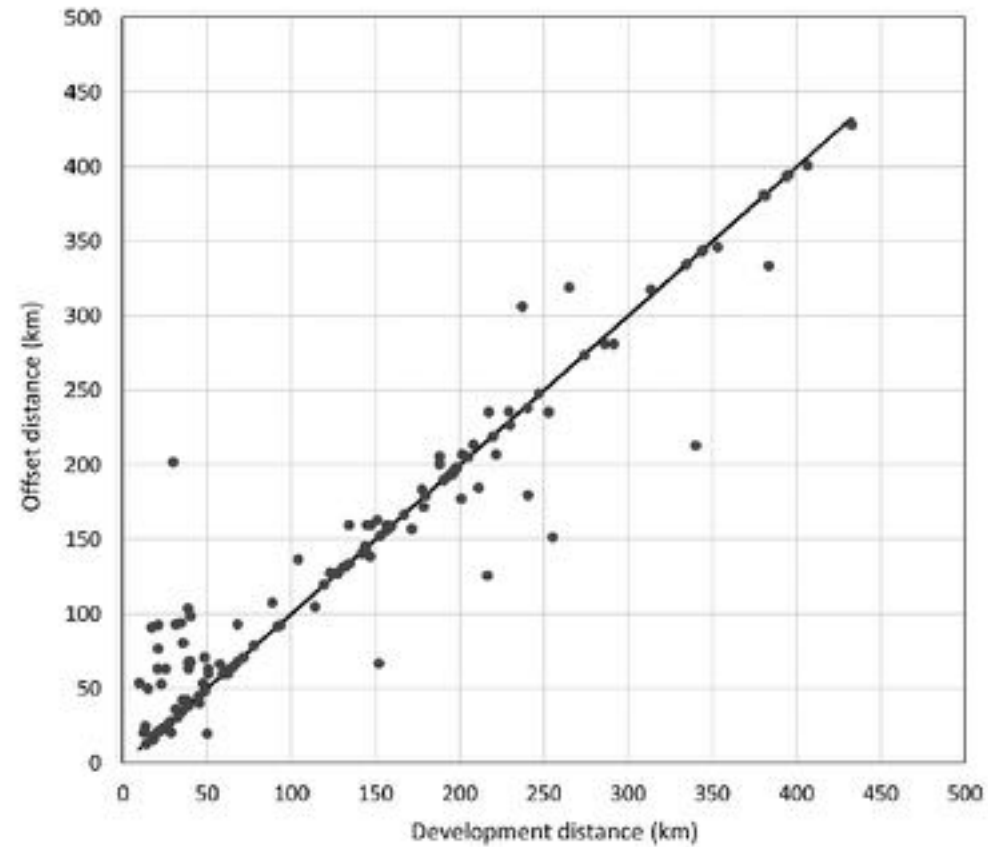
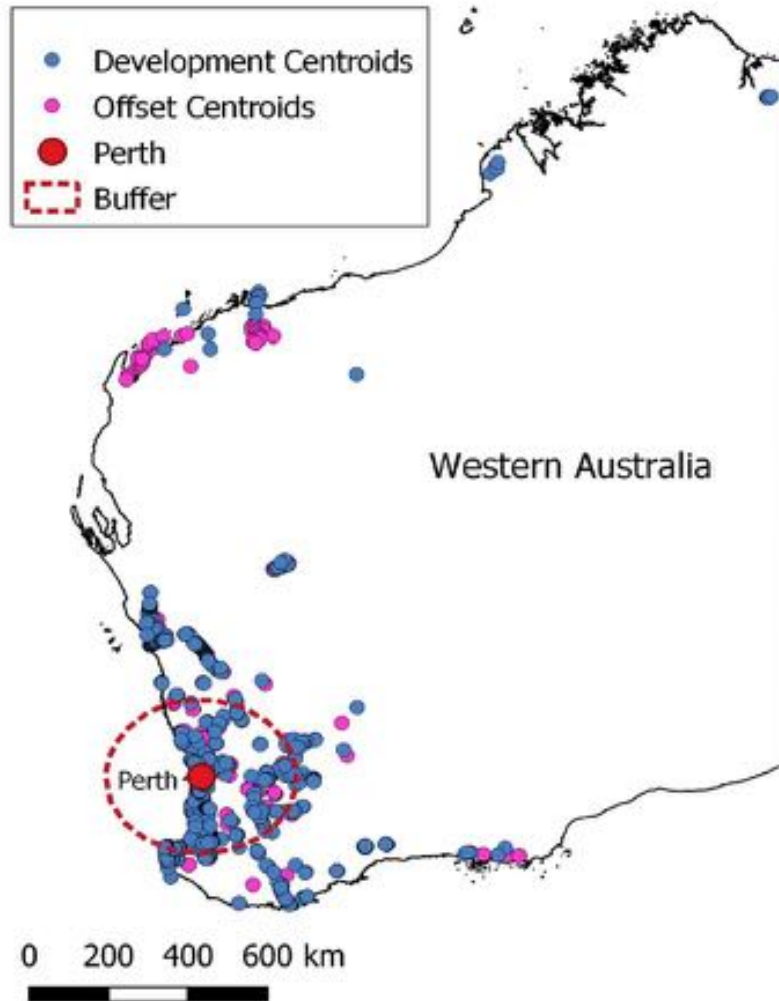


# Biodiversity gains



Griffiths et al. (2020) *World Development*, 128, 104858

# Biodiversity gains

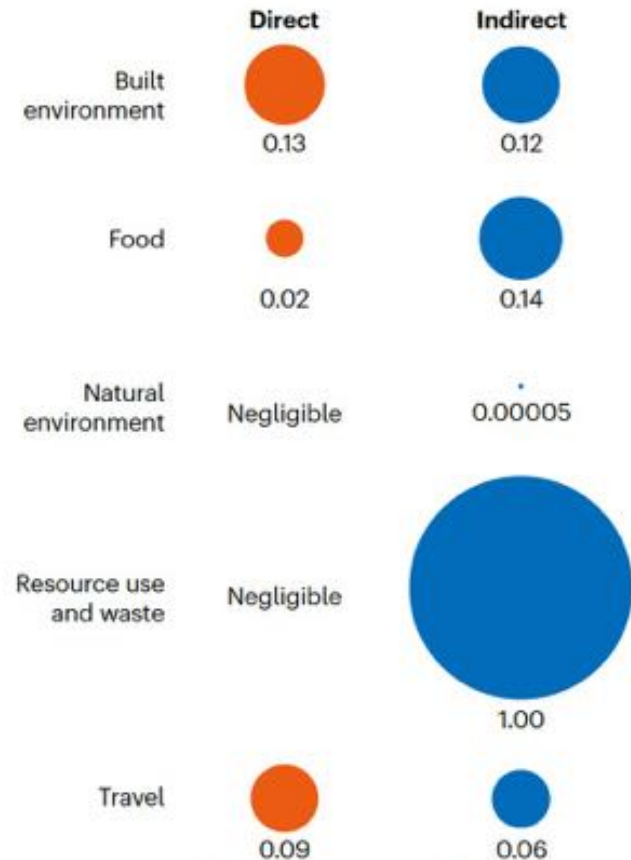


# Biodiversity gains

REGISTER DETAILS				EVALUATING PROPOSED OFFSET ACTIONS						POST EVALUATION OF OFFSET EFFECTIVENESS			ADAPTIVE POLICY IMPROVEMENT		
Register name	Offset policy	Jurisdiction N = national S = state L = local	Type of offset included	Offsets linked to development	Spatial data on locations	Impacted biodiversity features	Impacts and how measured	Offset/financial payment calculation	Proposed actions	Required biodiversity gains (not credits)	Monitoring data at			Information on costs	Biodiversity outcomes
											offset site(s)	control site(s)	impact site(s)		
Noord-Brabant Provincial Registry	Nature Conservation Act 2017	L: Noord-Brabant province, the Netherlands	Permittee-responsible, in-lieu-fees												
Government of Western Australia Environmental Offsets Register	WA Environmental Offsets Policy	S: Western Australia, Australia	Permittee-responsible, in-lieu-fees												
Queensland Government Offsets register	The Environmental Offsets Act 2014	S: Queensland, Australia	Permittee-responsible, in-lieu-fees, habitat banks												

## UPSTREAM EFFECTS

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## OXFORD'S OPTIONS

To achieve no net loss of biodiversity, the University of Oxford could focus more heavily on preventing harms to biodiversity (option 1). Or it could try to compensate for the impacts that its activities and operations have on the planet (option 2).

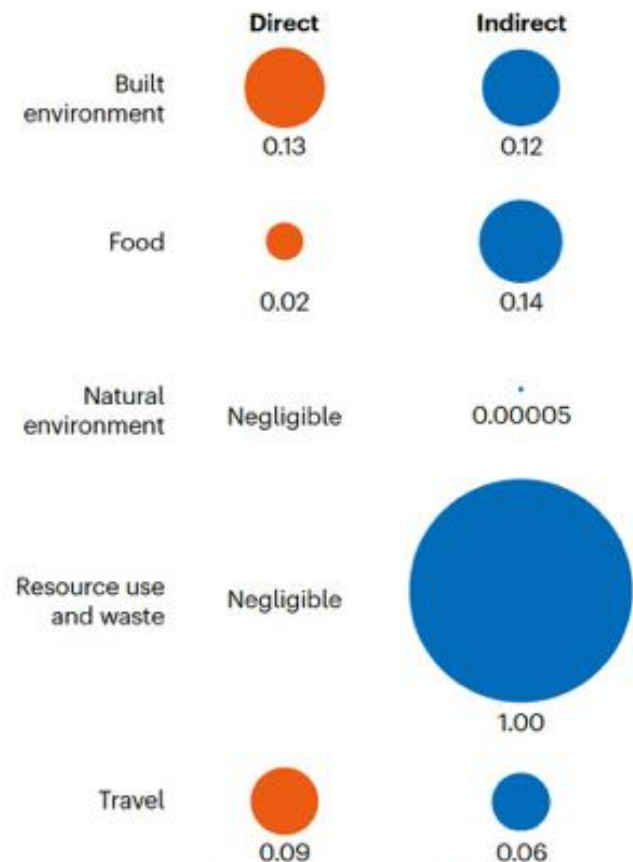
■ Avoid ■ Minimize ■ Remediate ■ Offset



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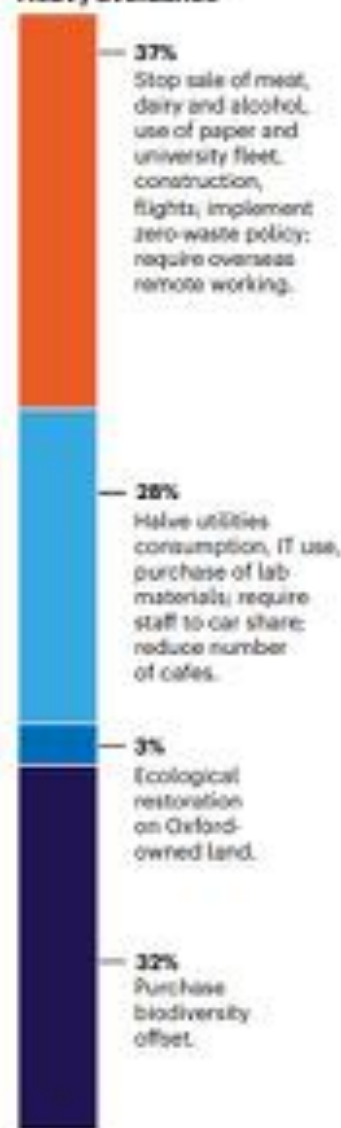
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### Option 1: Heavy avoidance



### Option 2: Heavy offset



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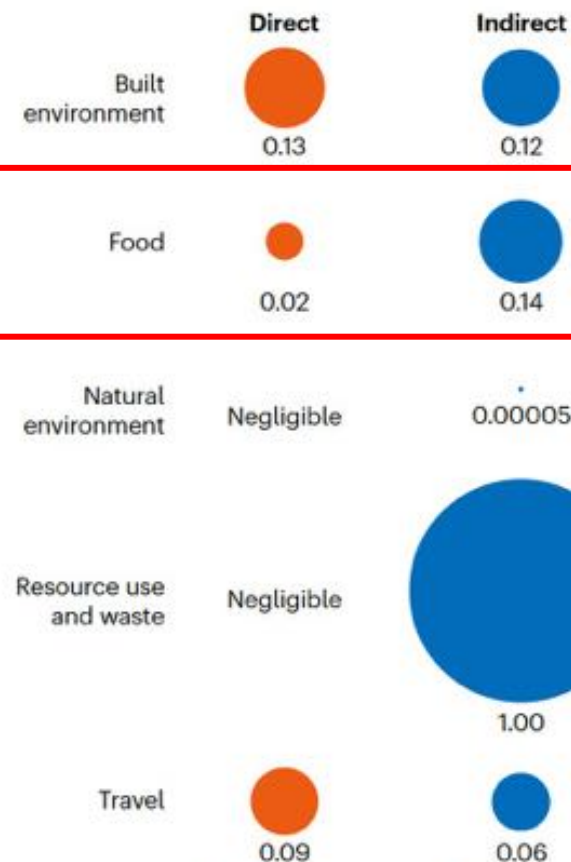
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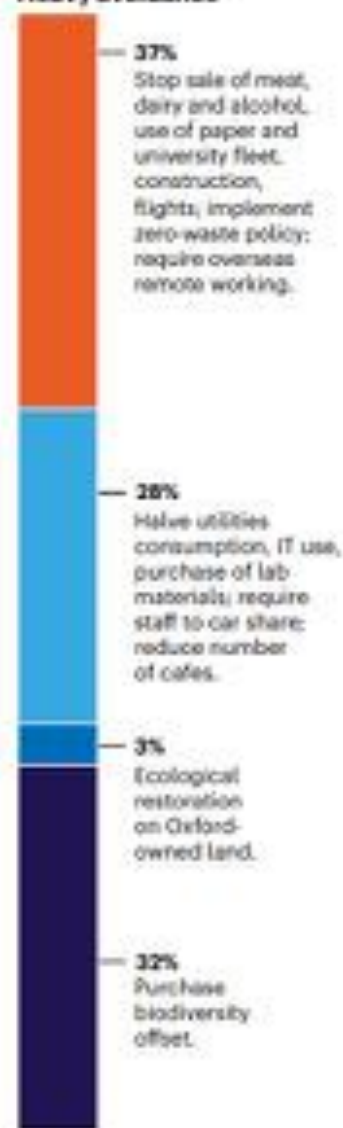
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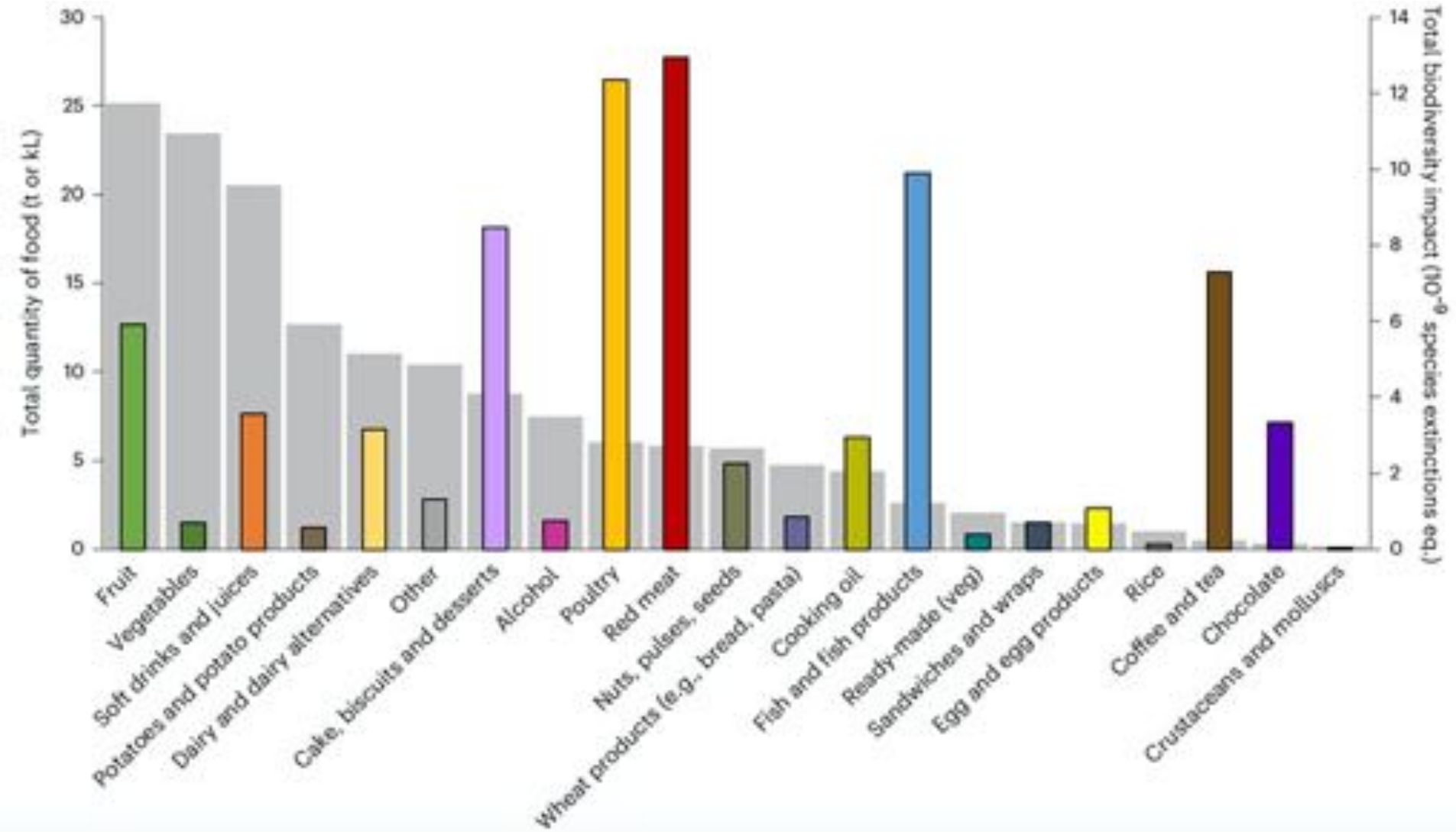
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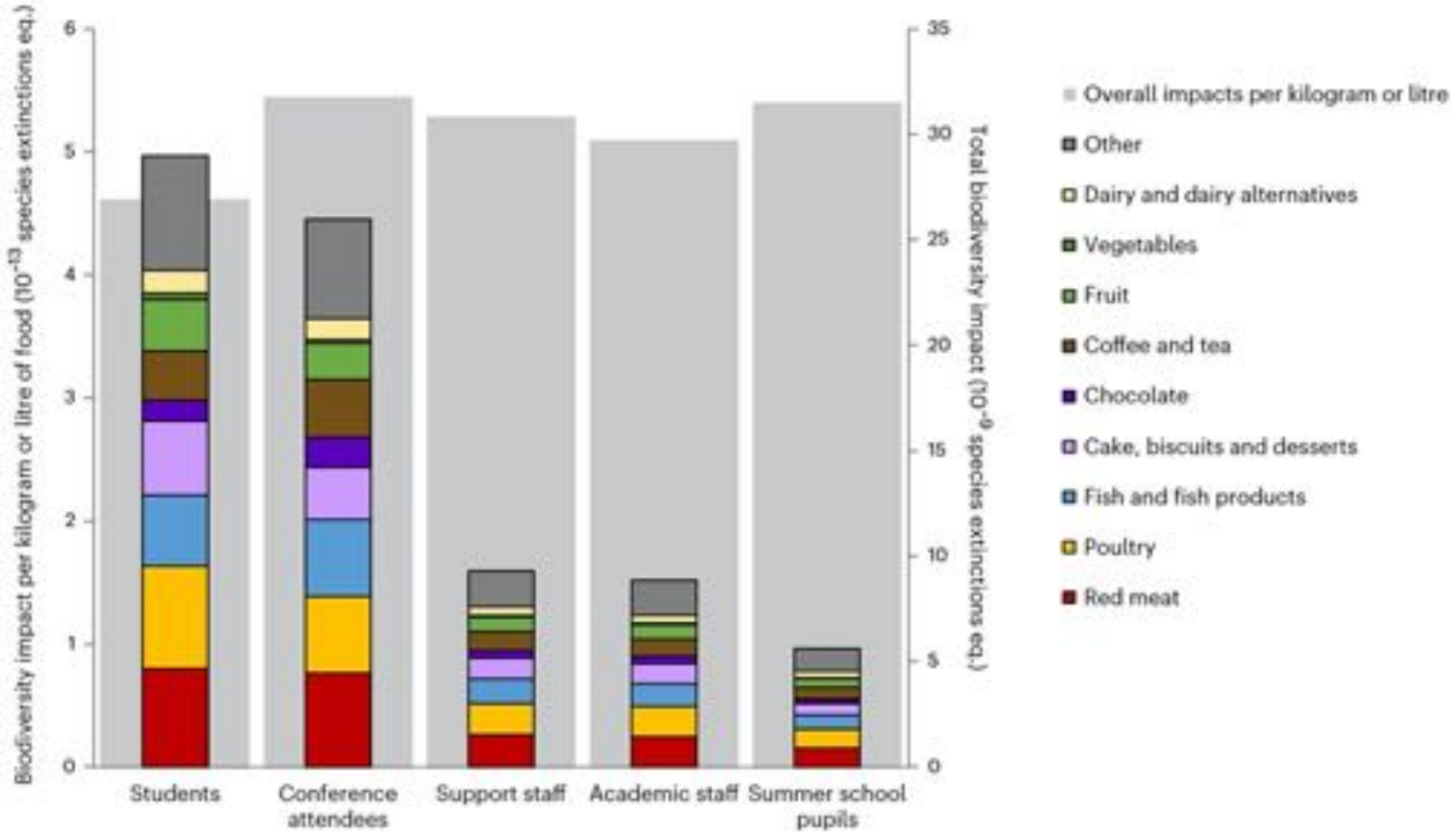
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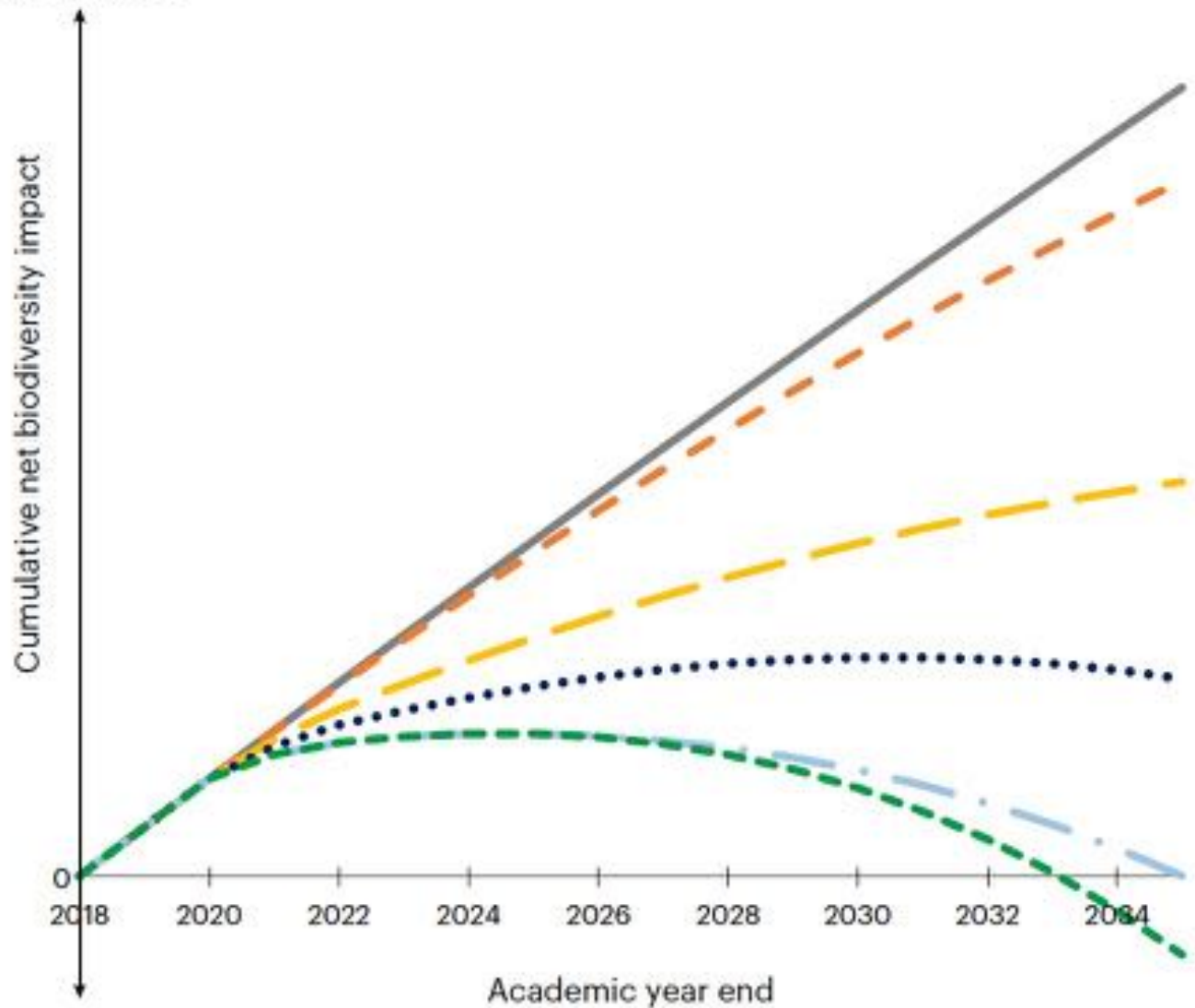








Biodiversity loss



Biodiversity gain

# Concluding thoughts

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- Nature Positive has NGO and private sector **momentum**, and policy backing
- Methods for calculating biodiversity **footprints** *exist*
- Challenge of deciding what to **avoid**
- Then, we need to ensure biodiversity **offsets** work
- Will be challenging for many orgs, and may well require broader **systemic change**
- **Not impossible** – but we have to get serious



# Thank you

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