

# Biodiversity and Ecosystem Function

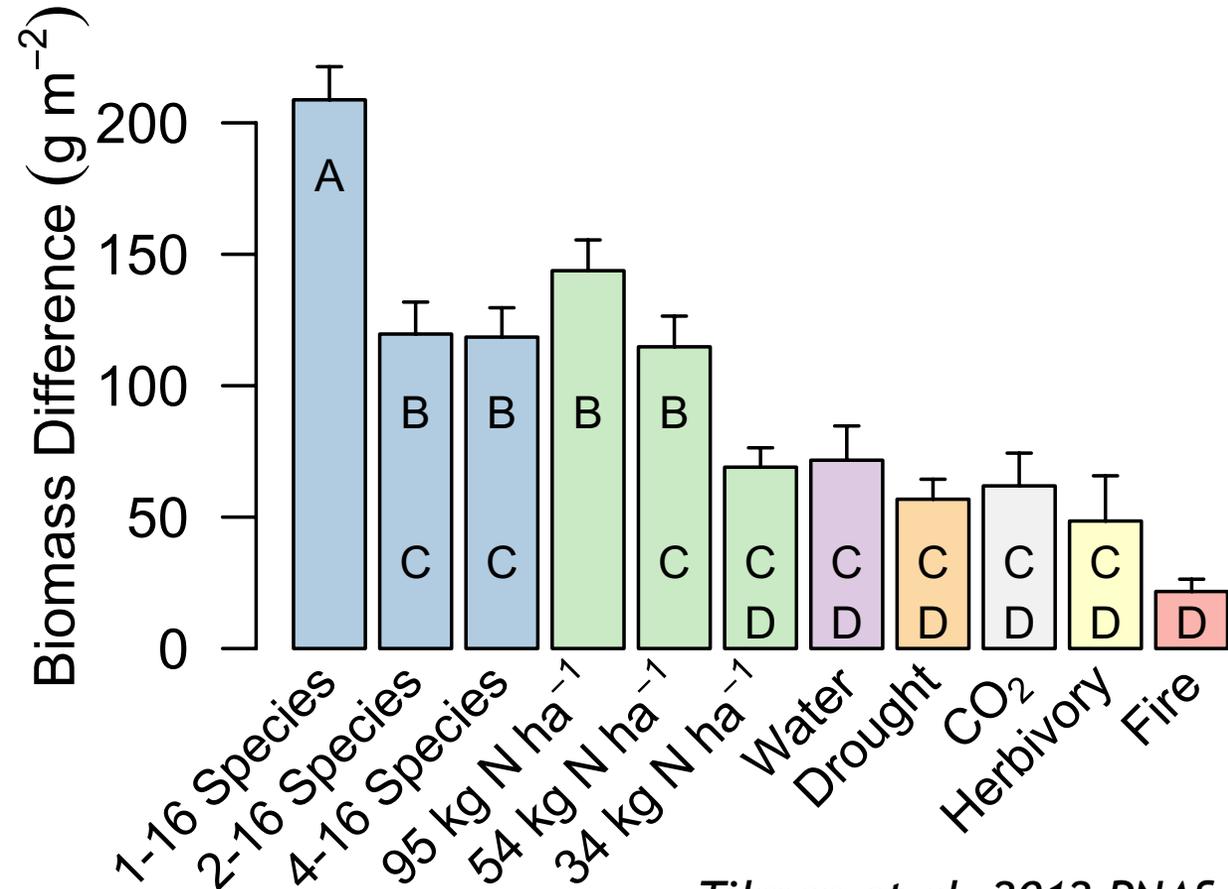
- 1982 Nutrient induced biodiversity loss reduces ecosystem stability
- 1994 First large-scale diversity experiment
- 1998 Biodiversity & global change
- 2013 Biodiversity in forests
- 2013 Phylogenetic, & functional diversity experiments
- 2019 Biodiversity & drought



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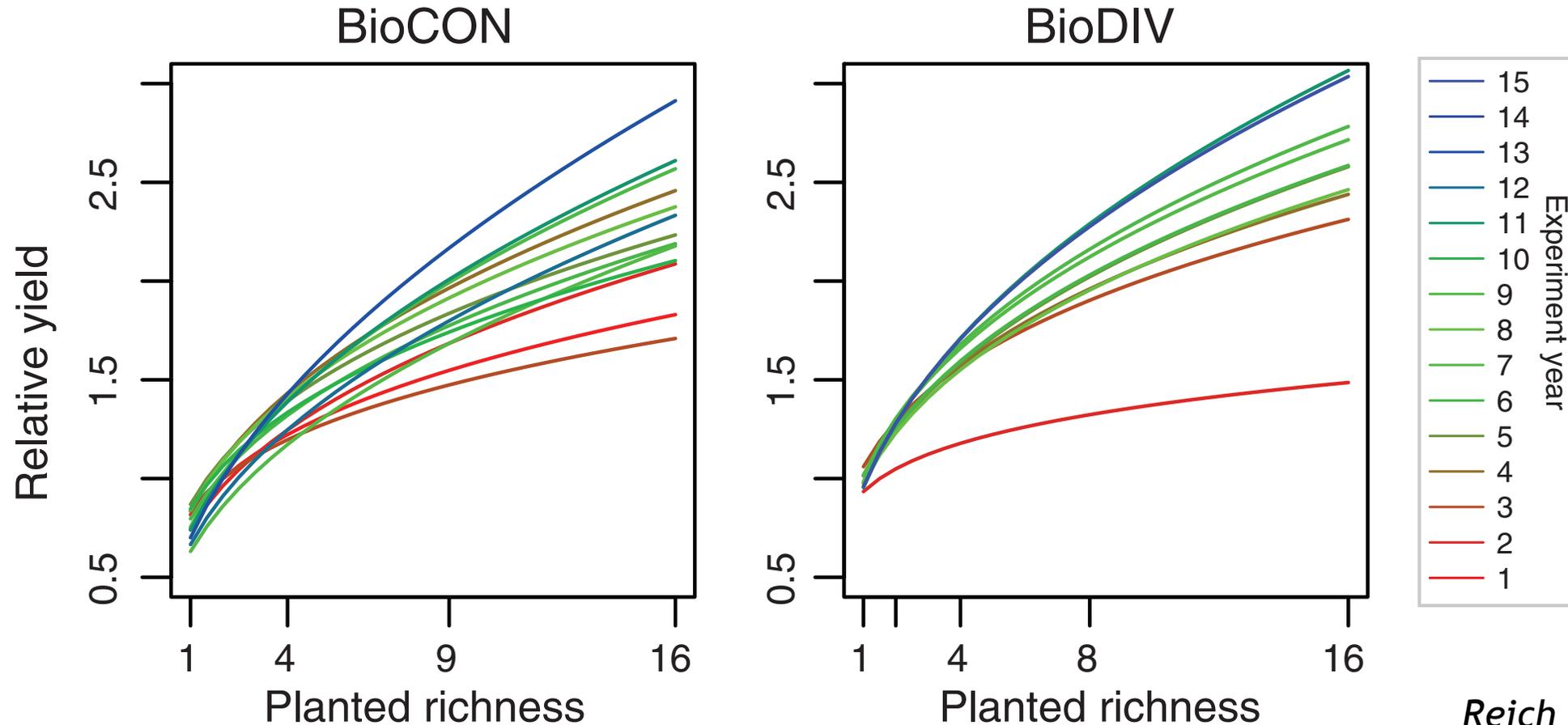
# Biodiversity effects are as large as resources, herbivory, or disturbance

- Increased productivity
- Increased stability
- Increased carbon storage
- Increased invasion resistance
- Increased food-web diversity
- Lower disease incidence



Tilman et al. 2012 PNAS

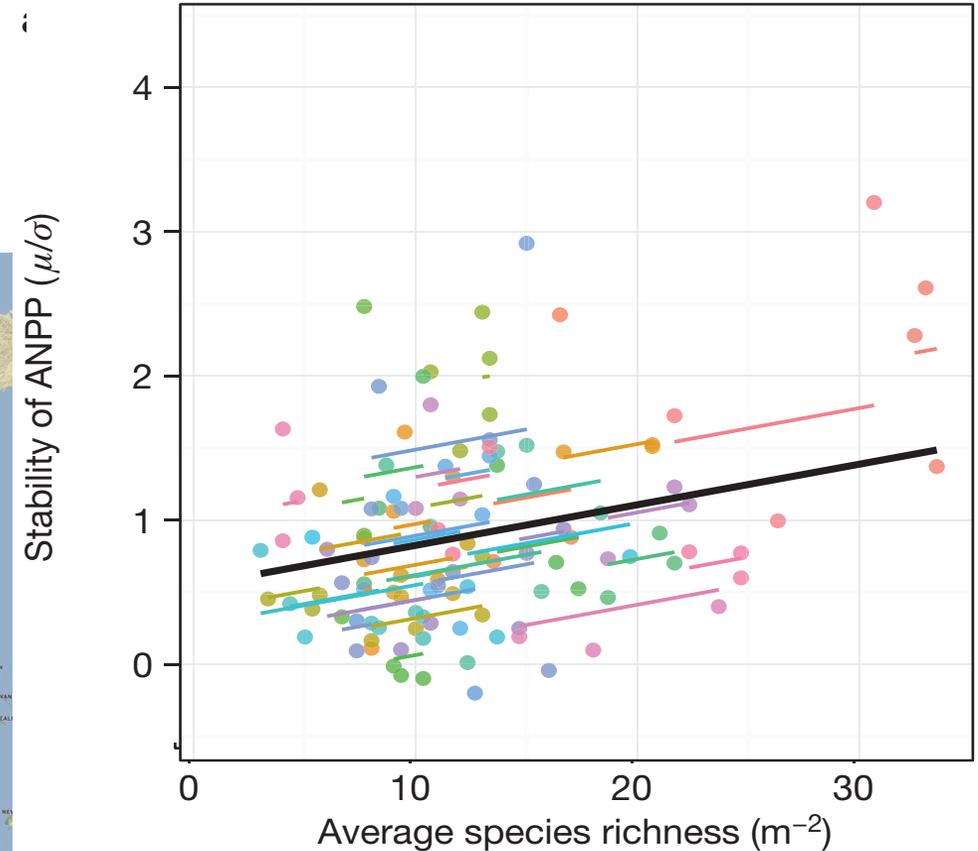
# Biodiversity effects grow stronger through time



*Reich et al. 2012 Science*

# Biodiversity Effects in Natural Ecosystems

- LTER Synthesis Working Group
- Nutrient Network (NutNet)



*Hautier et al. 2014 Nature*