

This is a supplement to the paper:

Sources and processes contributing to nitrogen deposition in biodiversity hotspots worldwide

Fabien Paulot, Daniel J Jacob, Daven K Henze

Table S1: Comparison between the calculated deposition in biodiversity hotspots (D) and the product of the adjoint sensitivity to Nr emissions ($\nabla_E D$) with gridded Nr emissions (E)

	Deposition (D) kg N ha ⁻¹ month ⁻¹	$\nabla_E D \times E$ kg N ha ⁻¹ month ⁻¹
July		
Cuyahoga NP	2.05	2.06
Rocky Mountain NP	0.49	0.50
Mesoamerica	0.48	0.46
Southwest China	1.29	1.29
Hawaii	0.06	0.06
October		
Cerrado	0.42	0.41
Madagascar	0.27	0.27
Sundaland	4.30	4.39

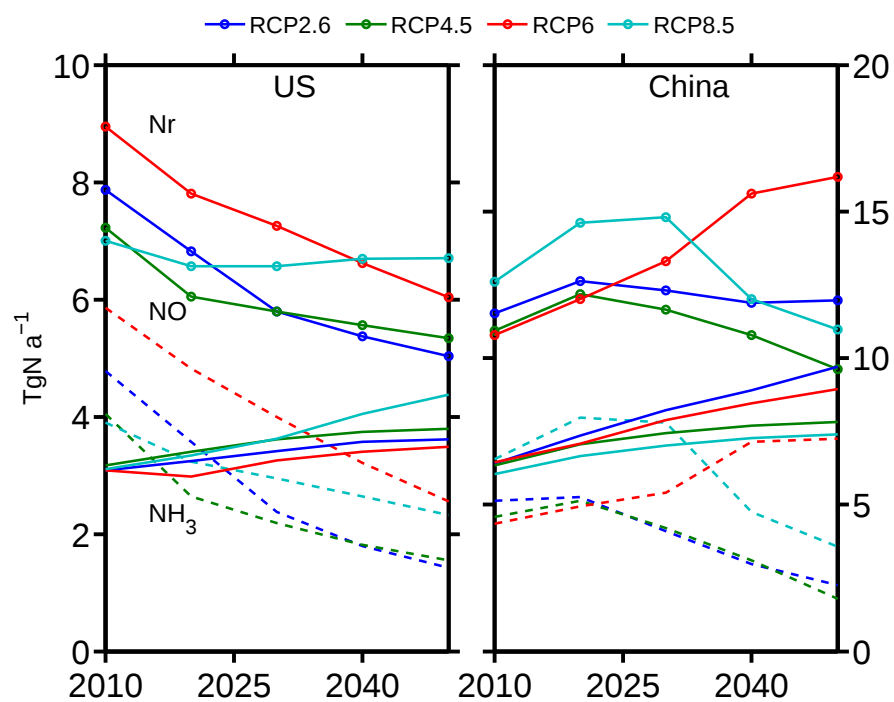


Figure S1: Emissions of total Nr (solid line with circles), NO (dash line) and NH_3 (solid line) in the US and China for the four Representative Concentration Pathways (RCP) scenarios