
IAP Communique on Tropical Forests

Additional data and sources.

On biome shift: Levine N. et al. (2016). Ecosystem heterogeneity determines the ecological resilience of the Amazon to climate change. *Proceedings of the National Academy of Sciences* **113** (3), 793-797. DOI: [10.1073/pnas.1511344112](https://doi.org/10.1073/pnas.1511344112)

On effects of forest fragmentation: Laurence W.F and Williamson G.B. (2001). Positive feedbacks among forest fragmentation, drought, and climate change in the Amazon. *Conservation Biology* **15** (6), 1529-1535. DOI: [10.1046/j.1523-1739.2001.01093.x](https://doi.org/10.1046/j.1523-1739.2001.01093.x)

On Increase in protected areas reduces deforestation rates: Soares-Filho B. et al. (2010). Role of Brazilian Amazon protected areas in climate change mitigation. *Proceedings of the National Academy of Sciences* **107** (24), 10821-10826 <https://doi.org/10.1073/pnas.0913048107>

On the importance of monitoring and enforcement and the effectiveness of fines:

- Assunção J., Gandour C. and Rocha R. (2017). DETERring deforestation in the Brazilian Amazon: Environmental monitoring and law enforcement. Climate Policy Initiative <https://climatepolicyinitiative.org/publication/detering-deforestation-in-the-brazilian-amazon-environmental-monitoring-and-law-enforcement/>
- Sousa P. (2016). Decreasing Deforestation in the Southern Brazilian Amazon: The Role of administrative sanctions in Mato Grosso State. *Forests* **7** (3): 66. DOI: 10.3390/f7030066.
- Börner J. et al (2015). Post-crackdown effectiveness of field-based forest law enforcement in the Brazilian Amazon. *PLoS ONE* **10** (4): e0121544 <https://doi.org/10.1371/journal.pone.0121544>

On guidelines for reforestation: Brancalion P.H.S. and Chazdon R.L. (2017). Beyond hectares: Four principles to guide reforestation in the context of tropical forest and landscape restoration. *Restoration Ecology* **25** (4), 491-496. <https://doi.org/10.1111/rec.12519>

On the influence of fauna on tropical forest carbon stock: Bello C. et al. (2015). Defaunation affects carbon stock in tropical forests. *Science Advances* **1** (11): e1501105. DOI: 10.1126/sciadv.1501105 <https://advances.sciencemag.org/content/advances/1/11/e1501105.full.pdf>

On reforestation: United Nations proposal for a decade of ecosystem restoration 2021-2030. <https://news.globallandscapesforum.org/viewpoint/concept-for-u-n-decade-of-ecosystem-restoration-2021-2030/>

On black carbon and glacier melting: Newton de Magalhães Neto et al. (2019). Amazonian biomass burning enhances tropical Andean glaciers melting. *Scientific Reports* **9**: article number: 16914 (2019). <https://www.nature.com/articles/s41598-019-53284-1>

On reforestation: Friedlingstein, P. *et al.* (2019). Comment on “The global tree restoration potential”. *Science* **366** (6463): eaay7976. DOI: 10.1126/science.aay7976