

# Logging in the Amazon Rainforest

Due to increased illegal logging in the Amazon, the regeneration of many tree species has decreased dramatically. This threatens the forest's ecosystem dynamics, as well as the trees themselves.

## How does this impact us?

- 34 million people depend on the Amazon's resources
- Changes in the Amazon are displacing species that are now transmitting zoonotic diseases to humans
- Deforestation impacts the tourism industry

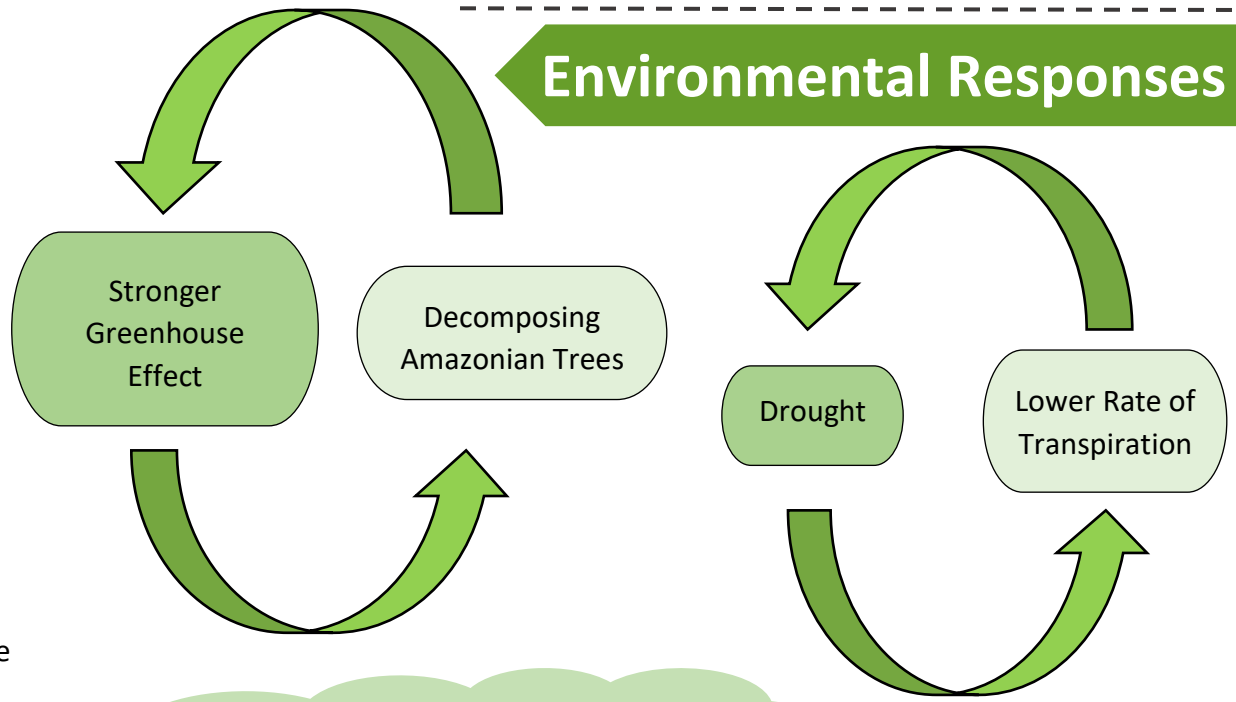
## Economic Incentive

- Loans and infrastructure spending with roads and dams are becoming government incentives
- Surging demands for palm oil, soy, beef, and sugar are increasing deforestation

## Then Why Stop?

- Plants in the Amazon are used for life saving medicines
- The Amazon is a vast carbon sink
- It is the most biodiverse forest in the world, as well as being home to one million people *Source: WWF*

## Environmental Responses



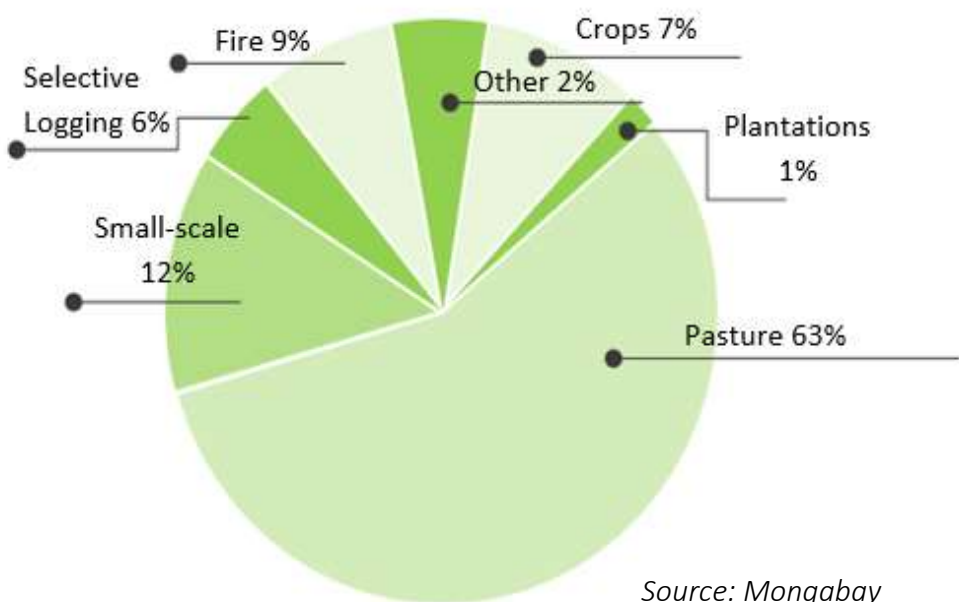
This region is home to 1 in 10 known species. 3,000 species of fish, the largest number of freshwater fish species in the world.

*Source: WWF*



## By the Numbers

### Drivers of Deforestation in the Brazilian Amazon



*Source: Mongabay*

For every commercial tree removed, 27 other trees more than 10cm in diameter are damaged, 40m of road are created, and 600m of canopy is exposed.

## Damage to the Amazon

"Deforestation could double to 48 million hectares between 2010 and 2030, meaning that more than a quarter of the Amazon biome would be without trees"

*Source: WWF*

The Amazon has lost at least 17% of its forest cover in the last 50 years due to human activity.

In the past decade, that is equal to 24,000 square miles, approximately 10.3 million football fields.

*Source: WWF*

## Solutions for the logging industry:

- Use of Agroforestry techniques**
  - Sustainable harvesting to ensure longevity of the Amazon
- Support land preservation efforts**
- Supporting of Indigenous populations**
  - Mutual benefit for logging corporations (Socially)
- Set an uncompromising and well-enforced ban on illegal logging**
- Continuous change by the logging industry as our understanding of forest ecosystems grows.**

## How you can help:

- For the individual, using alternatives to wood is an incredible way to decrease the demand for wood. Alternatives include...**
  - Reclaimed wood
  - Wood waste (e.g. sawdust, wood shavings, shreds of paper)
  - Plants other than trees (e.g. bamboo, flax, hemp, wheat straw)
  - Not frequently used trees (the same two dozen tree species are continuously harvested, and going extinct)
  - Recycled paper