

# DEFORESTATION

How to curtail this line?

# What causes deforestation?

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## Agriculture:

One of the biggest reasons why we see less, and less forest is its conversion to agricultural lands. According to Greenpeace, agriculture contributes to deforestation about 80%

Growing planet population demands more meats and dairy (generally called livestock) that requires areas for animal pasture.



Even new and promising technologies have their downside. The modern crop-based biofuels get cheaper and demand on the area to produce crops increases.



# What causes deforestation?

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Construction of roads:

Building roads is a sign of normal or growing economy. The roads themselves do not undertake much of the forest area but they provide access to remote areas where logging is economically feasible due to reduced cost of logistics caused by the new roads.

According to a study conducted in Yale University, 95% of all logging happens 3 miles away of a road.

The renovations of existing roads rather than construction of new lines help to prevent excessive logging.

# What causes deforestation?

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Man-made and wildfire:

Each year millions of acres of forest get burn by fire. Those happen consistently and mostly are a part of the mother nature. Some events such as lightnings and extreme hot weather people can not control, thus it is impossible to eliminate. Modern firefighting technologies may help locally but massive fires that fly over tops of the trees are just a doom.



Wood goods:

Timber is the most common material for construction and goods. To eliminate these is no one's interest.

Illegal logging:

The sustained supply chains find their ways to global timber markets and this is a hotbed for illegal and unsustainable logging.



# IT already helps to fight with illegal logging

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Great ideas help to utilize minor investments towards amazing deeds. In 2014, a practicing scientist Topher White (on the right) announced a method to fight illegal logging in forests.

The intent of the technology to distribute devices through the forests that will be connected to the global network and to the local people what is in charge of law enforcement.

The algorithm will separate the natural sounds of the forest such as operating machinery, wood-chopping, and chain sawing.

People from all over the world send used devices to organization to give them the second life.



# Brazil in a nutshell

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Although situation in Brazil has gotten a little better, the country is still suffering from country economic need to log to use those areas for agriculture and export sales. The illegal logging is also a problem that

AMAZON BASIN FOREST



**50 YEARS LATER...**



Deforestation in Brazil is a bright example of conflict of national interests within the country. For emerging markets, forest and agricultural lands are still the significant line in the total GDP. To some extent deforestation is inevitable in order to keep the markets growing. Once agricultural business is curtailed, the whole economy may hit a recession and cause short-to long term problems.

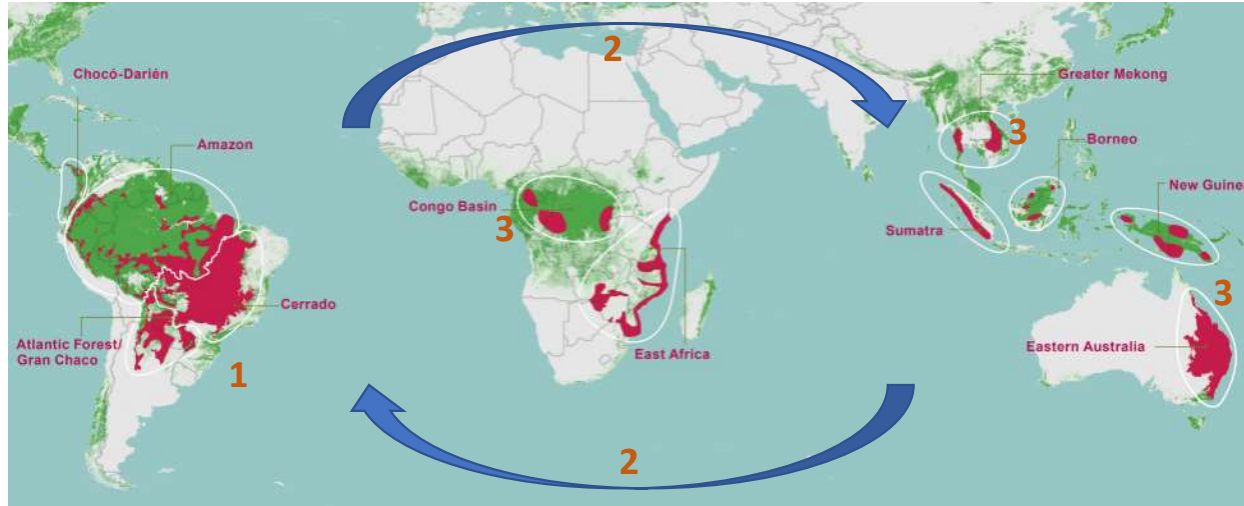
# Only holistic approach

It is not atmospheric circulation that drives the hydrological cycle, but the hydrological cycle that drives the mass circulation of air. Many scientists argued that deforestation thousands of years ago was to blame for desertification in the Australian Outback and West Africa.

The fear is that future deforestation could dry up other regions, for example, tipping parts of the Amazon rainforest to savanna.

1. If logging in Brazil stops for 100%, it will continue turning into savanna.

2. All forests are interconnected via "air rivers"



3. Excessively logged forest delivers less humidity; thus, even remoted destinations are drying out indirectly.

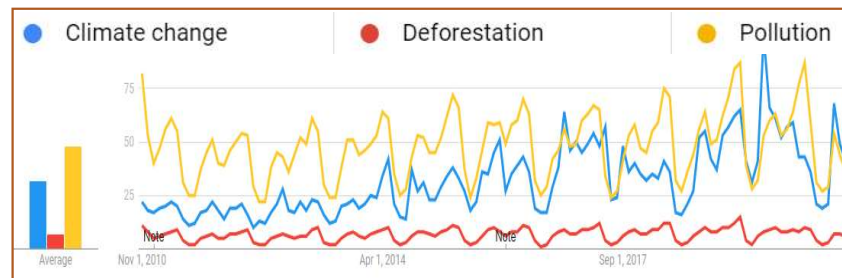


# The global warming and pollution are the most discussed and politicized global problems

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BUT these problems usually outshine the cause.

Google searches for the last 10 years. Forest is an unknown topic.



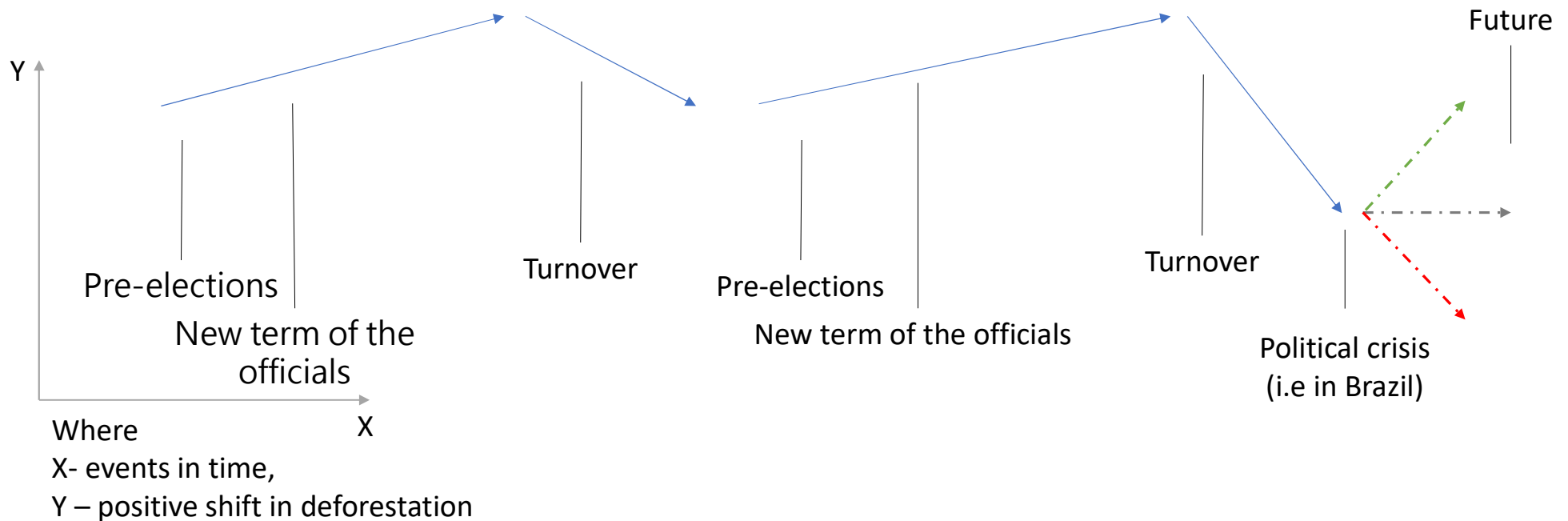
The diagram shows how the agenda in politics / media is reflected in people's interest. The issues of global warming are mostly addressed in general and in conjunction with pollution issues.

Where is the problem may hide?



# Where the underlying problem is hidden?

The officials usually increase their interest in between the political turnover. The government incentives do affect the problem of the deforestation, but it follows the shape of the wave:



As can see from the diagram, the governments are not quite reliable due to numerous tides that happen in the Political Ocean.

# Is there another way to treat the deforestation?

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According to the Wall street Journal, the corporations live from 40 to 50 years, and this lifespan is shortening due to modern business paradigm.

The average career of a Representative or a Congressman or a Congresswoman is only 10 years!

The corporations are becoming more and more influential to the economy of a country, they have limited loyalty to the political powers as they come and go.

The wealth of corporations over the past of 50 years has grown to the extent where they influence the politics like never before (with an exception to the critical production such as weapons)

The corporations are the key as they can conduct sustained long-living programs aimed to reduce deforestation.

