



Deforestation in Brazil

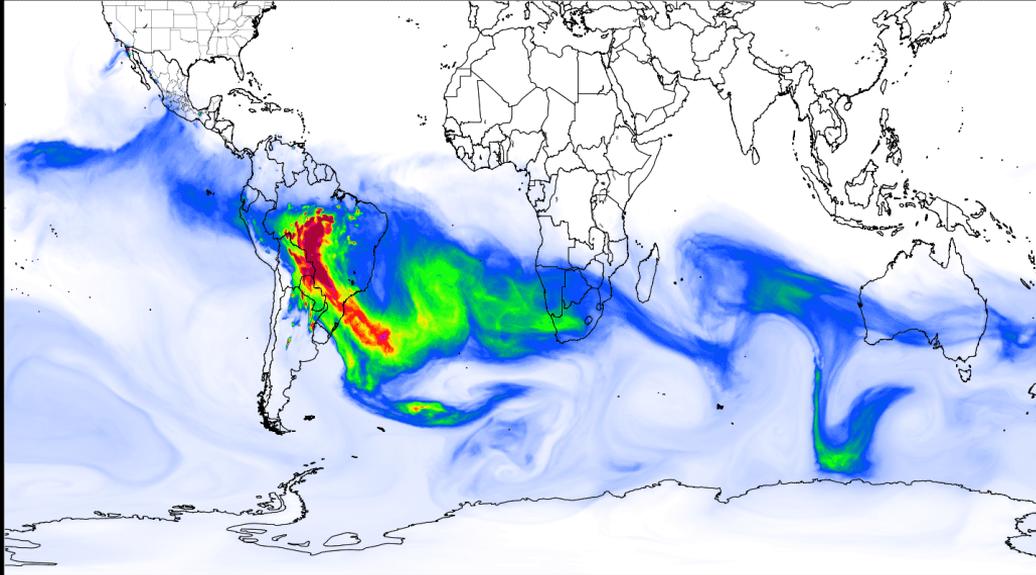
Challenges and opportunities for global market actions

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Global role of tropical forests

NASA GEOS-5 Analysis and forecast Severe Weather Europe
20-August-2020 00:00 UTC



Carbon Monoxide from biomass burning (total column)

0.00000 0.00005 0.00010 0.00015 0.00020 0.00025 0.00030 0.00035 0.00040 0.00045

www.severe-weather.eu

Produced by ANDREJ FLIS (@RECRETOS)

www.severe-weather.eu/news/amazon-wildfire-smoke-hemisphere-fa/



Tropical
deforestation
responsible for
1.8 Gton of CO₂
emissions

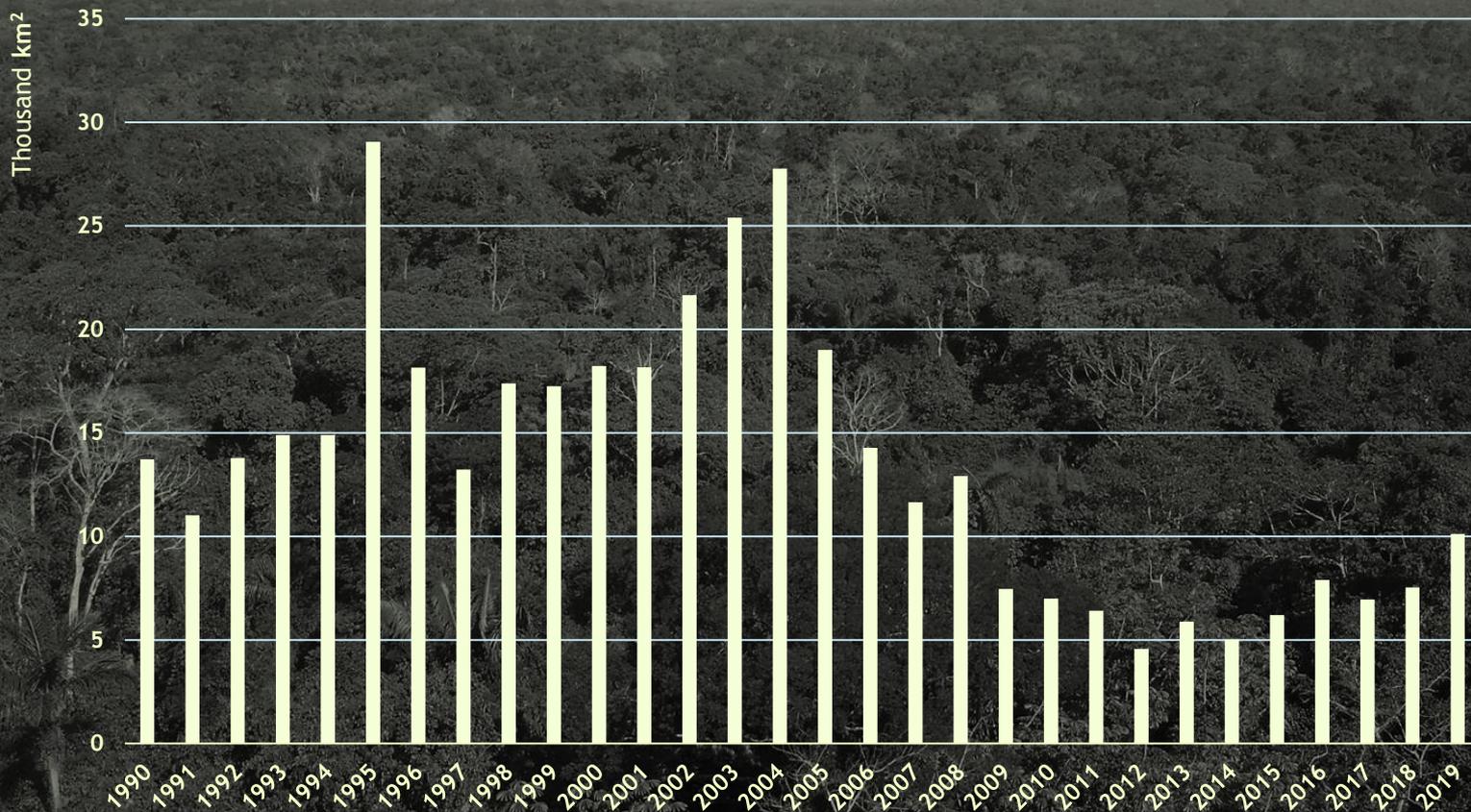
Annual
emissions of
400 million
cars



Brazil is responsible for 1/3
of this deforestation

Source: WRI/Global Forest Watch (WRI)

Deforestation in Brazilian Amazon



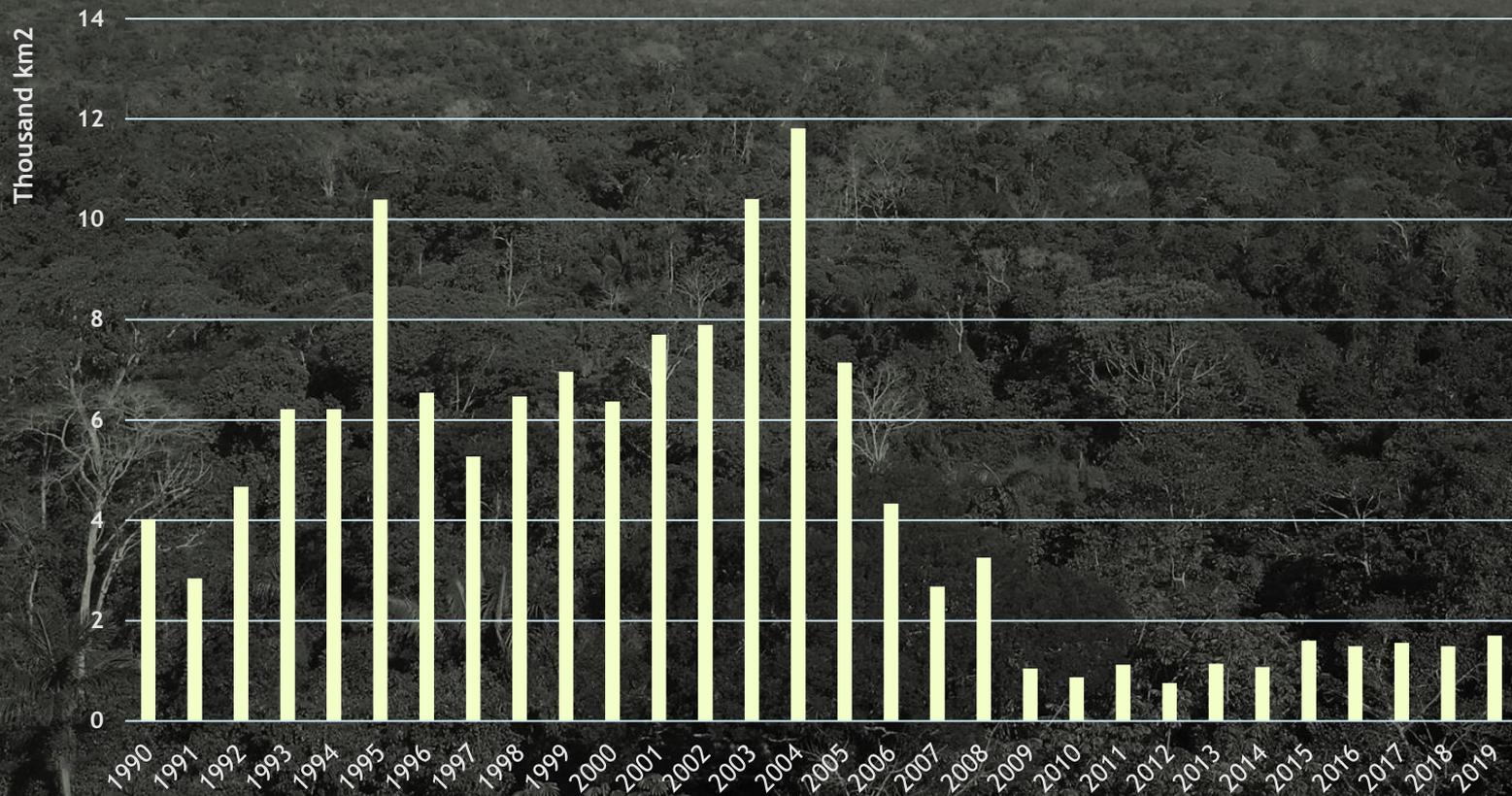
Prodes/INPE

Mato Grosso, commodities export giant

- 1/3 of Brazilian soy - 32 million tons of soy
- Largest beef production - 30 million heads of cattle
- 90 indigenous lands from 43 different ethnic groups
- 500 rural settlements / 100 thousand family farms

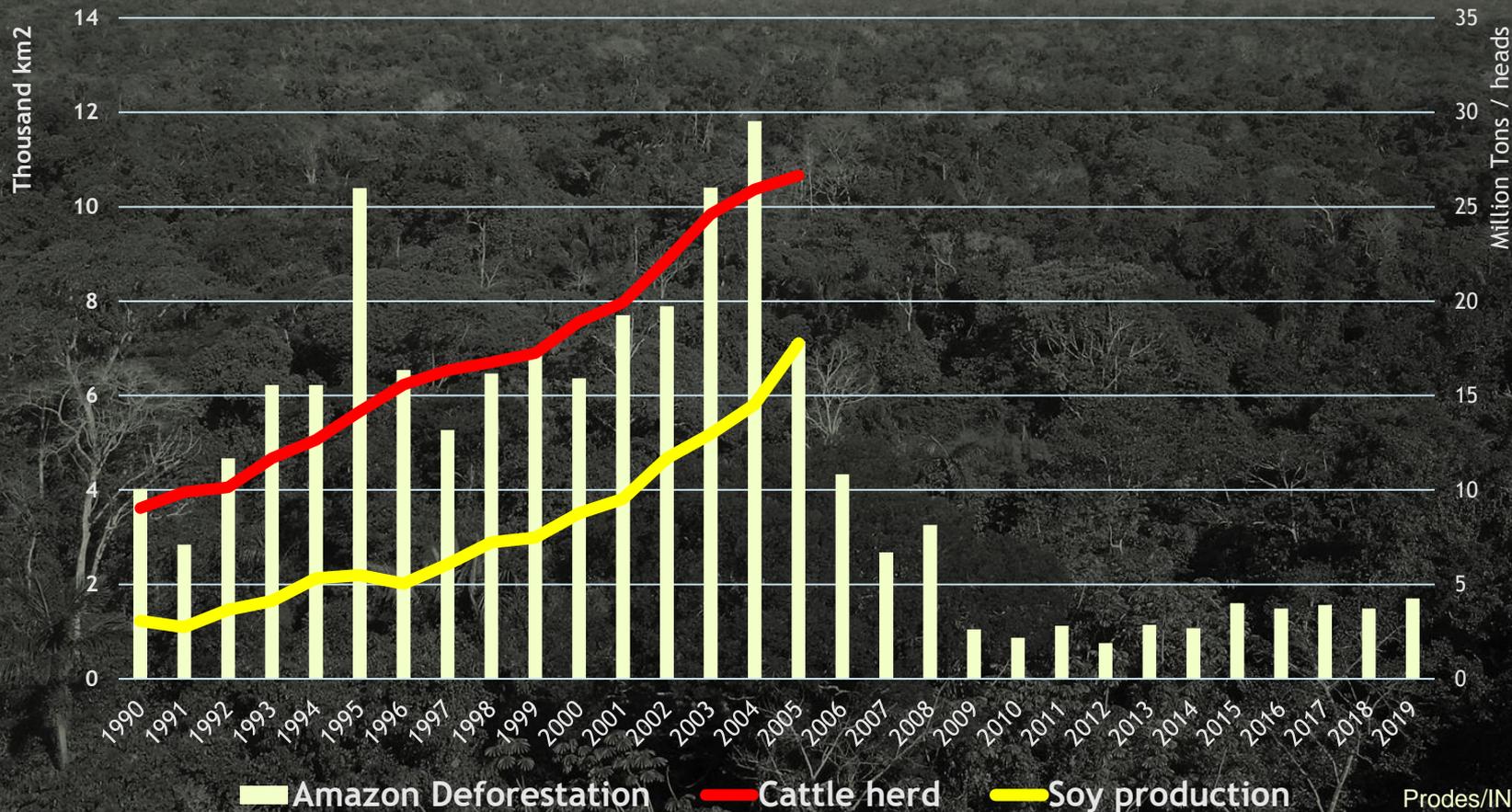


Amazon Deforestation in Mato Grosso

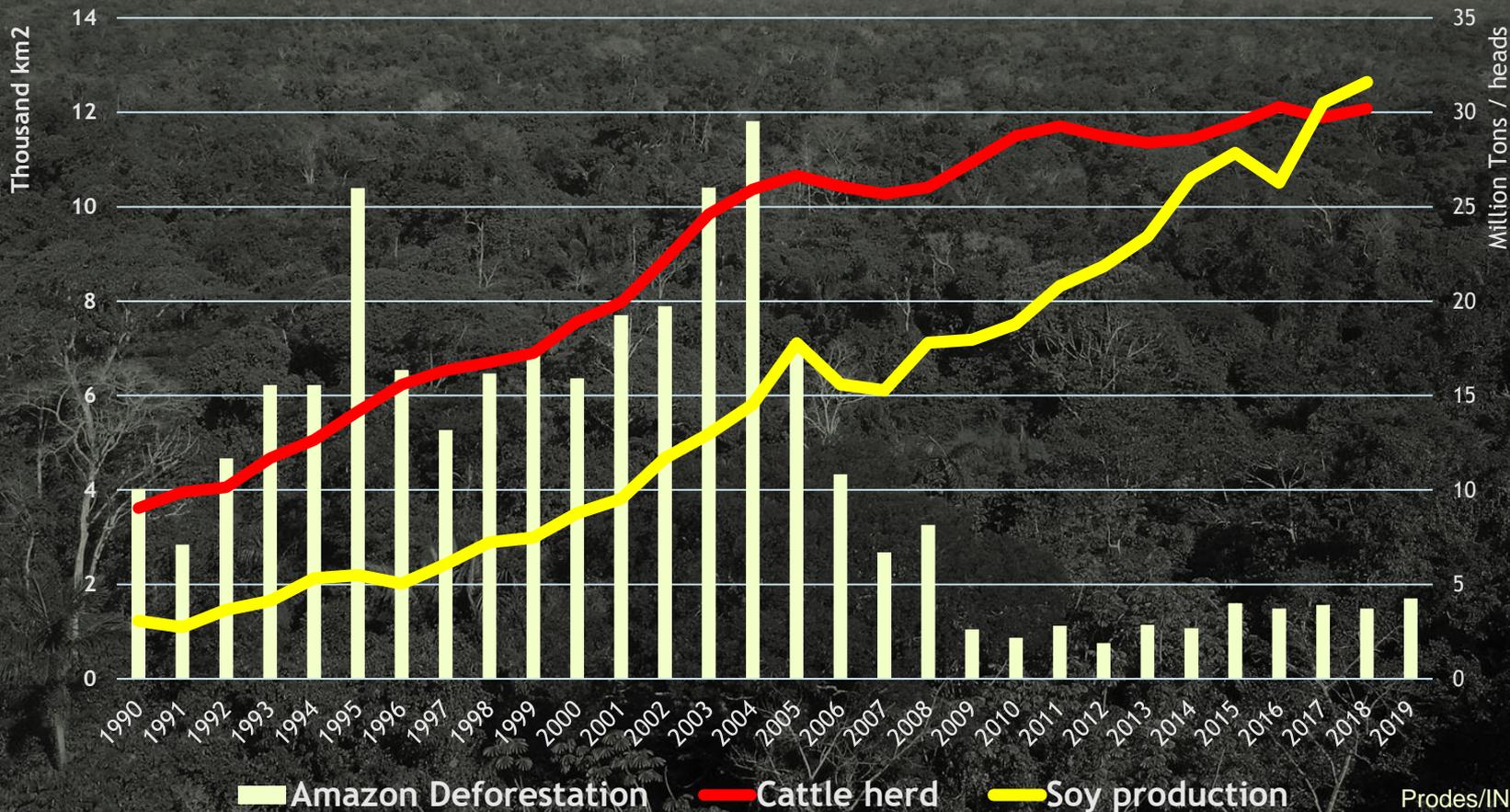


Prodes/INPE

Amazon Deforestation in Mato Grosso



Amazon Deforestation in Mato Grosso



Forest fires and Covid-19



Photo: Rodrigo Vargas

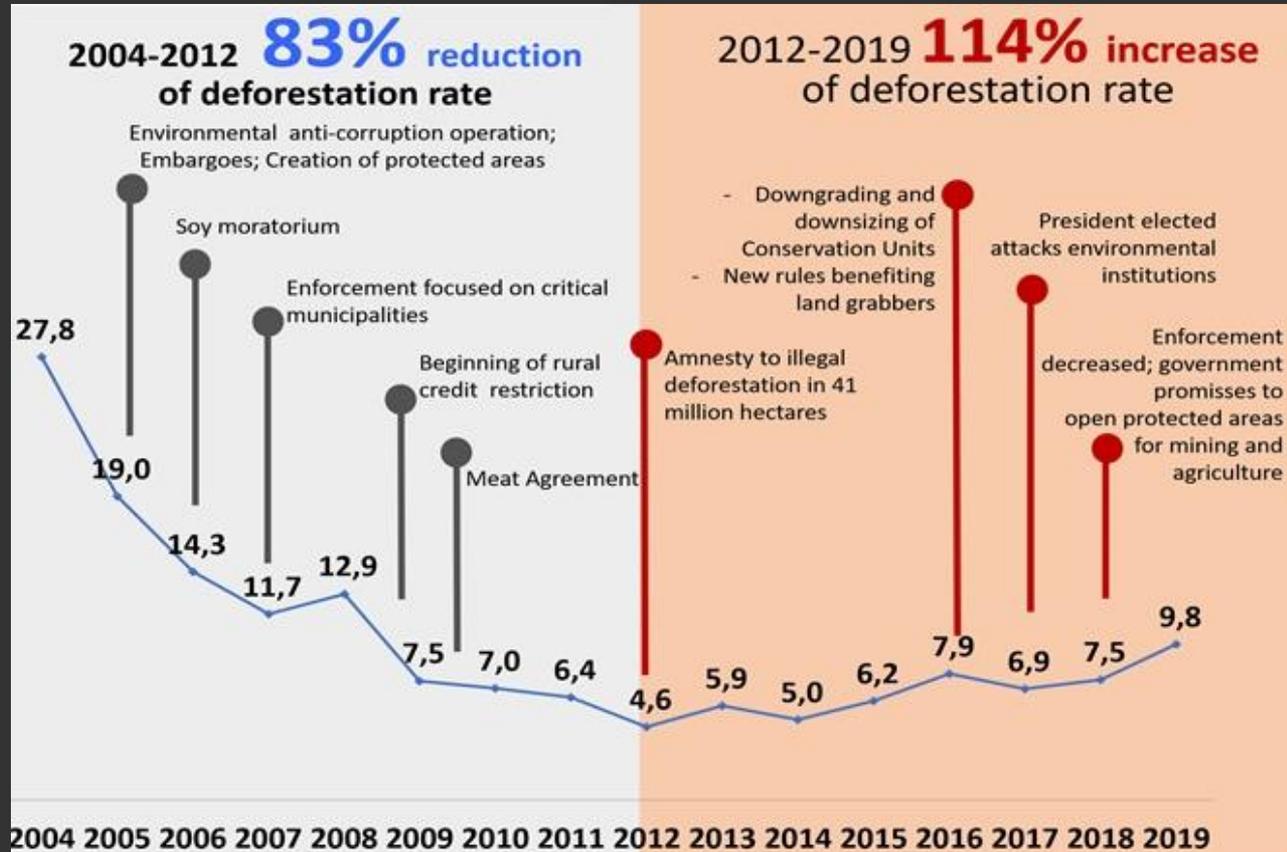


Photo: Ueslei Marcelino / Reuters

- 4,5 million people in the Amazon exposed to toxic haze in 2019
- Over 2,200 additional hospitalizations due to respiratory illness caused by the fires in 2019

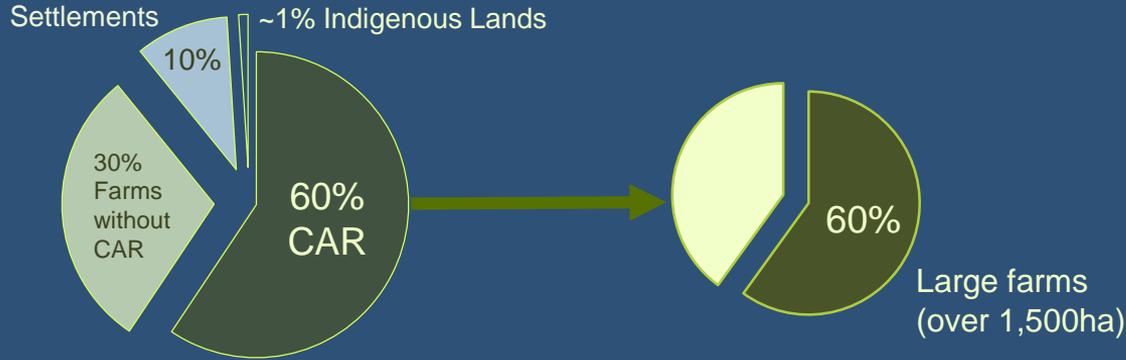
Source: Human Rights Watch, IPAM, IEPS, 2020

Deforestation reaction to public & private actions



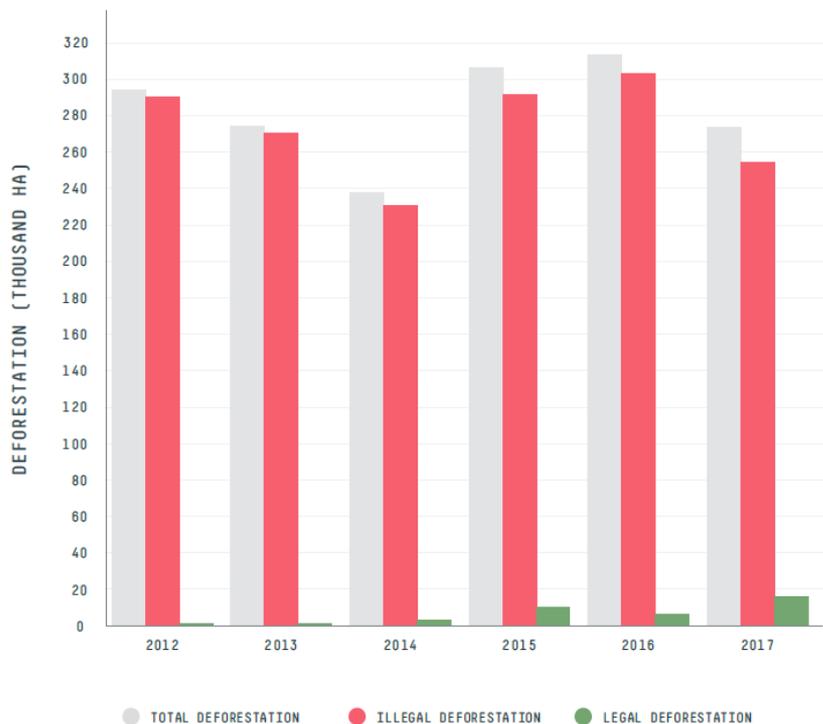
Source: Paulo Barreto, Imazon

Who is responsible for deforestation?

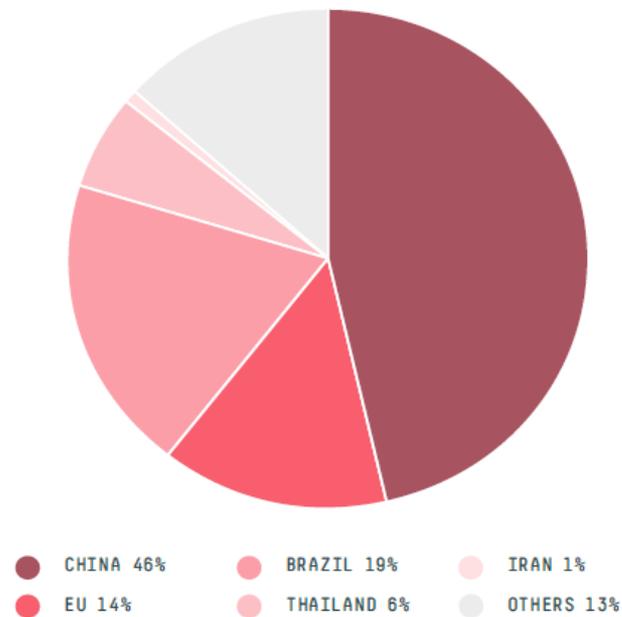


70-80% of deforestation polygons > 50 ha

Illegality of deforestation



. Deforestation in Mato Grosso between 2012 and 2017 by legal status.



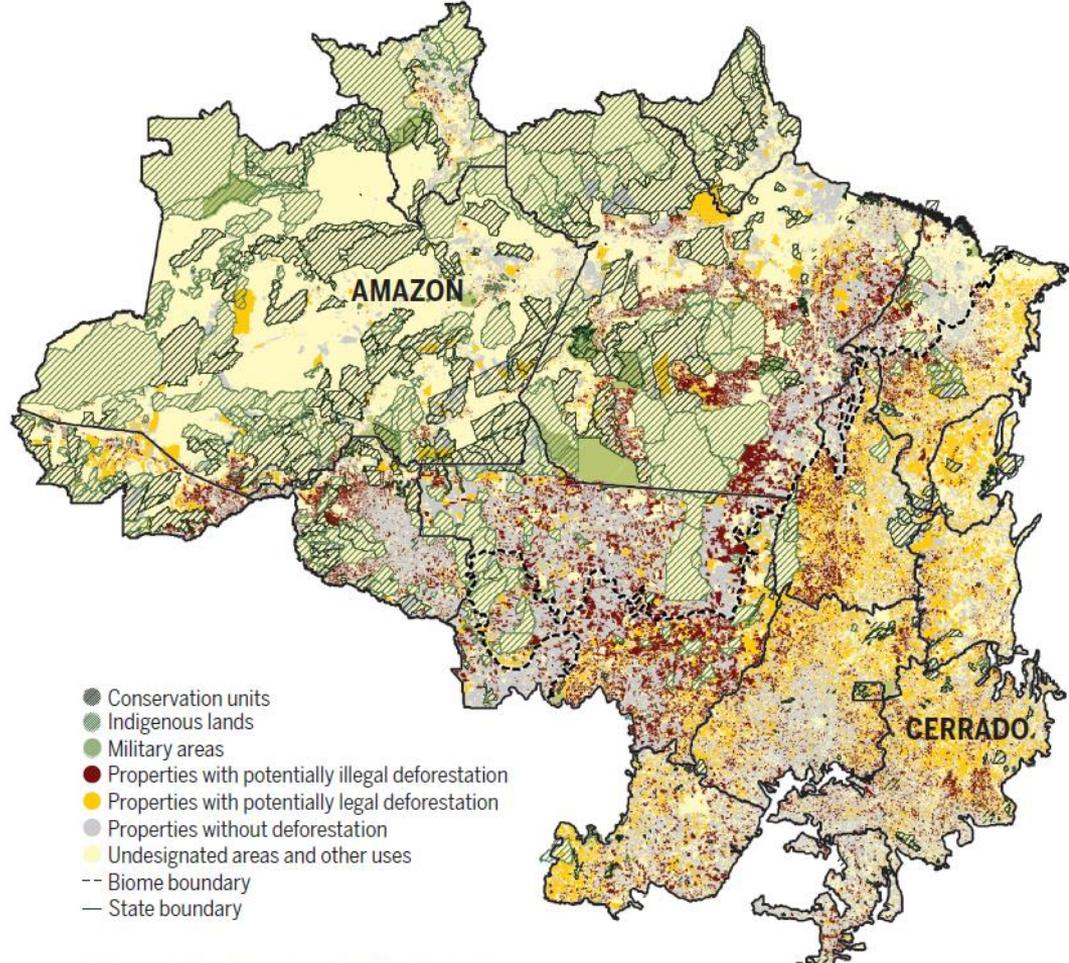
Main destinations for the soy grown on farms where illegal deforestation took place.

Highly concentrated deforestation

- 2% of soy farms in Mato Grosso concentrates 80% of illegal deforestation (Trase, ICV, Imaflora, 2020)

- 2% of farms in Amazon and Cerrado concentrates 62% of all potentially illegal deforestation (Rajão et al., 2020)

- 4% of Brazilian farms not compliant with Legal Reserve requirements (Forest Code Observatory, 2019)





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Thank you!

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