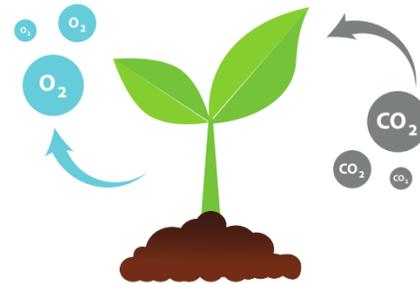




**Deforestation and forest  
degradation in Brazil**



**17%**  
of the Brazilian Amazon **has already**  
**been deforested**



**120 billion**  
**tons of carbon are stored** in the  
Amazon in the form of biomass



**60%**  
**of the Amazon** biome, which has 6.7  
million km<sup>2</sup>, **is in Brazil**

Amazon

Source:  
Greenpeace, 2022

# ACCUMULATED LOGGING UNTIL SEPTEMBER PASSES 9 THOUSAND KM<sup>2</sup> IN 2022

Forest degradation  
caused by fires and  
logging grew nearly  
fivefold in  
September

Source: Imazon, 2022

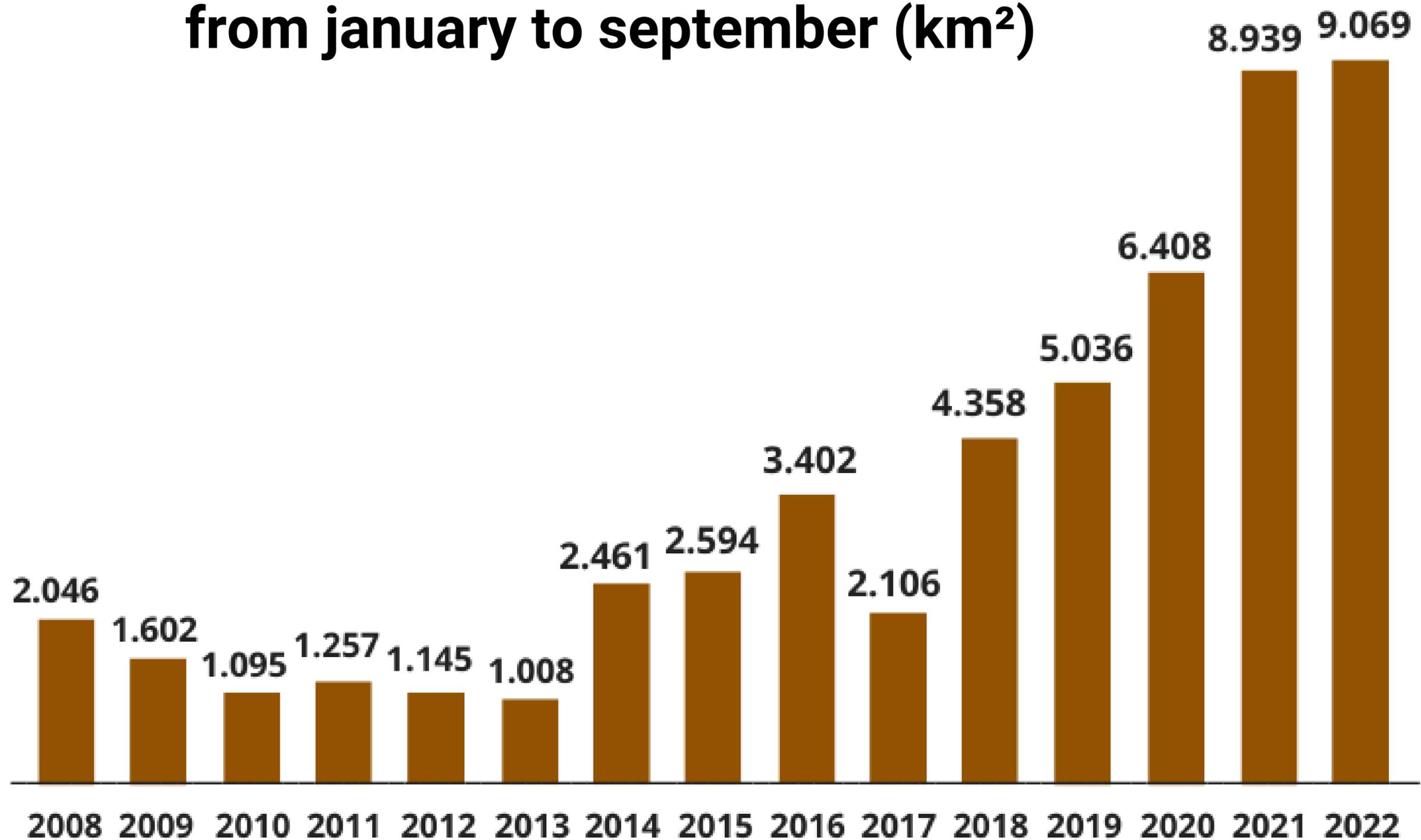


Logging



Complete removal  
of vegetation

# Area of forest felled in the Amazon from january to september (km<sup>2</sup>)





**Only in September,  
1,126 km<sup>2</sup> of forest in  
the Amazon were  
destroyed**

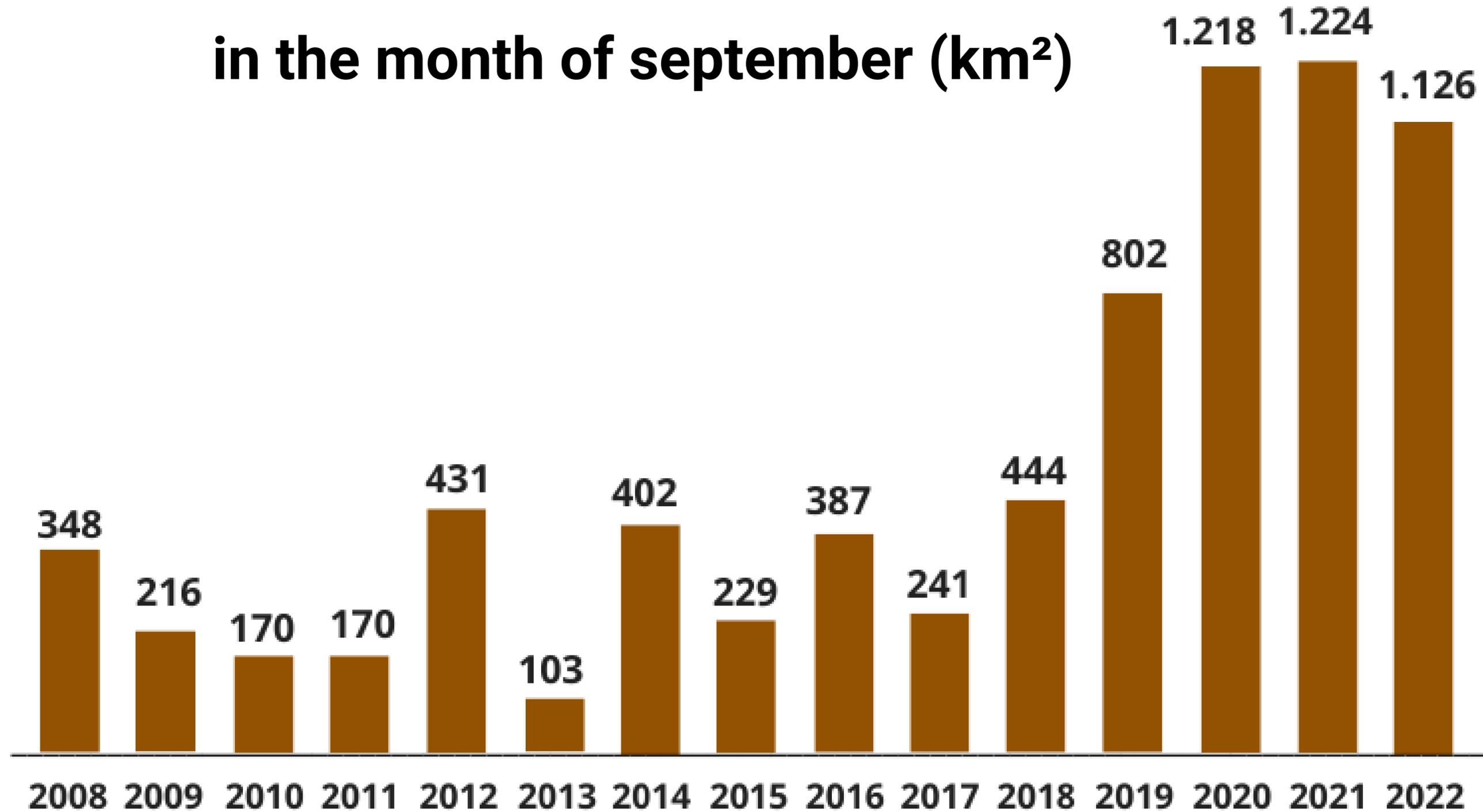
Equivalent to more  
ten times the Paris  
size

Source: Imazon, 2022

**Third worst September in 15  
years, behind only 2021 and  
2020.**



# Area of forest felled in the Amazon in the month of september (km<sup>2</sup>)



Pará  
responsible for almost  
half of the destruction  
553 km<sup>2</sup> (49%)



## Threats

to protected areas

The **destruction** is advancing north and **approaching** the largest block of **protected areas** in the world.

to biodiversity

Representing a **major threat** to Amazonian **biodiversity** and the **region's traditional peoples** and communities.

and the **traditional peoples** and **communities** of the region.

Another problem in Pará is the **advance of destruction** **within indigenous lands** and conservation units.



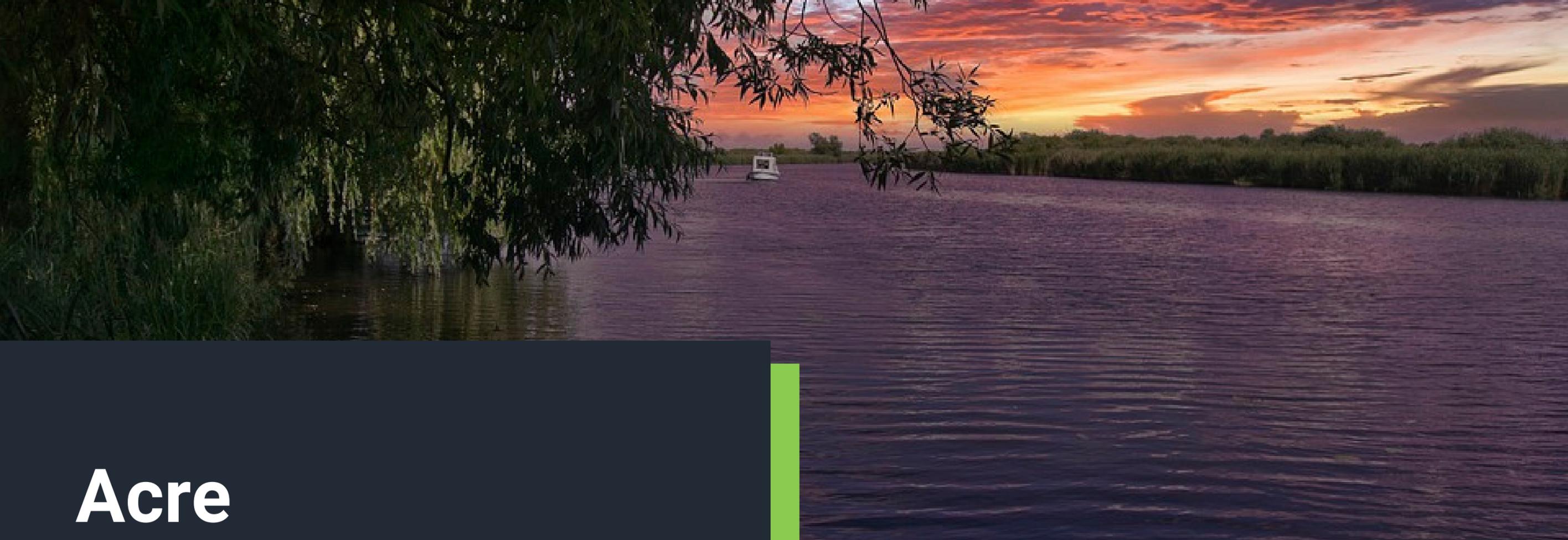
Amazonas

**Second state that most destroyed the Amazon in September.**

193 km<sup>2</sup> (17%).

On Amazonian soil, the destruction advances through the South, where there is **strong pressure from land grabbers.**

Source: Imazon, 2022



Source: Imazon, 2022

# Acre

In third place, where **140 km<sup>2</sup> of forest were cut down**, 13% of that recorded in the Amazon.

18% of the deforested area occurred only within **Resex Chico Mendes (26 km<sup>2</sup>)**.

 **conservation unit most devastated** in the Amazon in September.



caused by  
fires and  
logging.



## ← **Forest degradation**

**increased 359%** in the Amazon.

The area affected by this environmental damage increased **from 1,137 km<sup>2</sup> in September 2021 to 5,214 km<sup>2</sup> in the same month of this year.**

**Nearly  
five-fold  
growth.**

**Sixth  
consecutive  
month in which  
it increased.**

# Forest degradation

**In September, only two states concentrated 96% of the degraded area in the Amazon:**

Source: Imazon, 2022



**Mato Grosso**  
3.865 km<sup>2</sup>  
(74%).

**Pará**  
1.127 km<sup>2</sup>  
(22%).



# Atlantic forest

It covers about **15% of the national territory**, in 17 states. It is home to 72% of Brazilians and concentrates **80% of the national GDP**.

Essential services such as water supply, climate regulation, agriculture, fishing, electricity and tourism depend on it. **Today, only 24% of the original forest remains**, and only **12.4% are mature** and well-preserved forests.

Source: SOS Mata Atlântica, 2022

# Deforestation in the Atlantic Forest

In the first half of 2022, deforestation was identified in **21,302 hectares of Atlantic Forest**, destruction comparable to the area of 117 football fields per day and corresponding to the **emission of more than 10.2 million tons of CO2 equivalent**

Source: SOS Mata Atlântica



**21,302**  
**hectares in the**  
**1st half of**  
**2022**

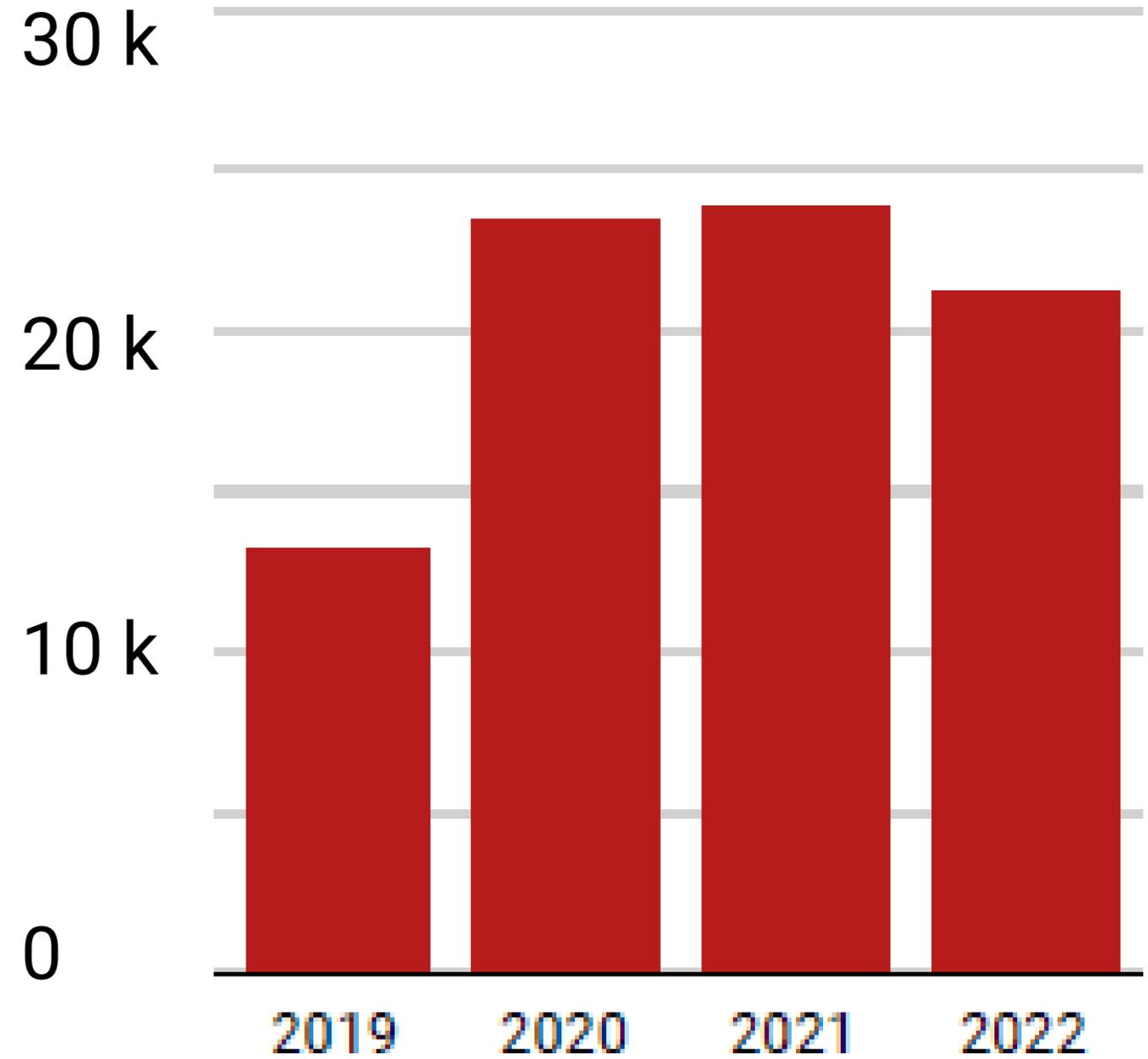
More than 10.2  
million tons of  
CO2 equivalent



### Atlantic Forest

Deforested area in the biome  
from 2019 to 2022

## Deforested area (hectares)

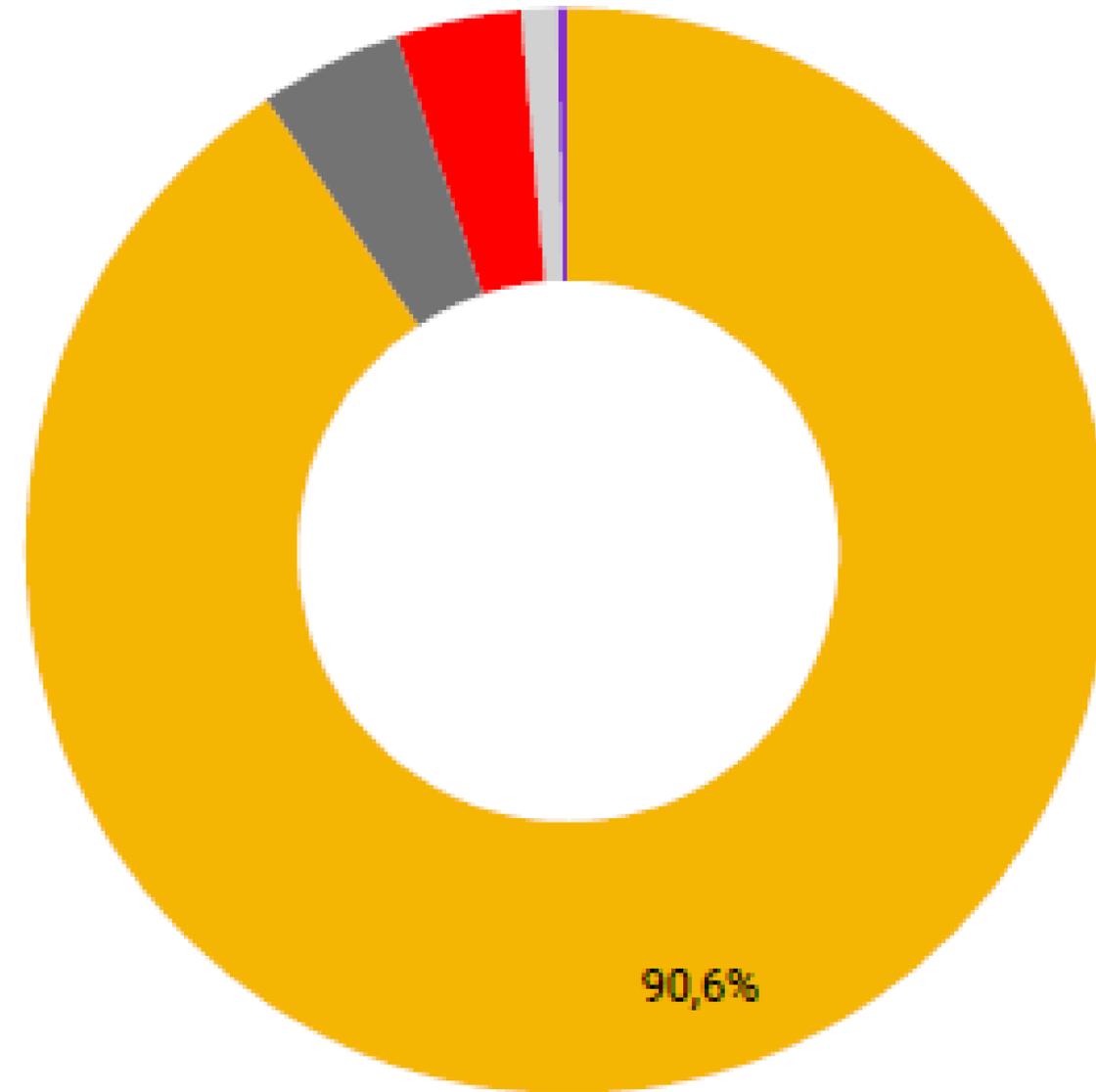




## Atlantic Forest

# Causes of deforestation in the biome

## Distribution of deforestation vectors



● agriculture ● other ● urban expansion ● mining

Source: SOS Mata Atlântica, 2022



# Failures of the Brazilian Government that contribute to deforestation

Low inspection.

In 2021, **only 41% of the inspection money was used** by the government.

Ease of laws

Measures that changed the Forestry Code and may **reduce restrictions on permanent preservation areas.**





Source: SOS Mata Atlântica,  
2022

# Forest code Law 12.651/2012

The first version of the Forest Code dates from 1934. In 1965 it underwent a reform and in the following decades, other laws and provisional measures updated the Forest Code.

**The new Forest Law granted several amnesties** for those who did not comply with the previous law, which represent around **41 million hectares** of native vegetation **that should have been previously restored** (36.5 million ha of RL and 4.5 million ha of APPs ).

# New Forest Code

But even with all these amnesties, APPs and RLs together add up to **approximately 21 million hectares that still need adaptation.**

Source: SOS Mata Atlântica, 2022



41 million  
deforested  
hectares received  
amnesty with the  
new law

21 million  
hectares still  
need to be  
restored

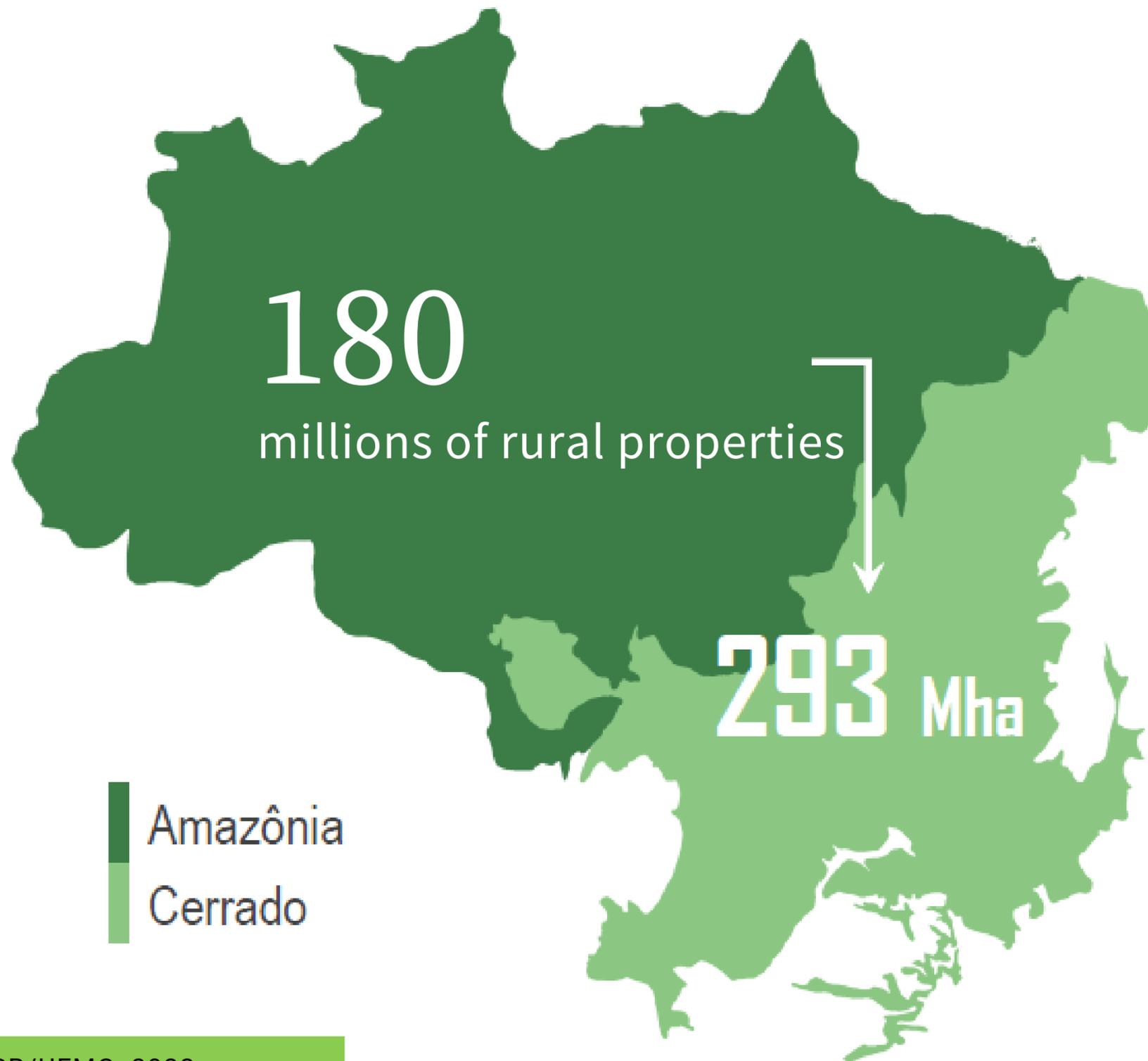


# **New Forest Code**

In order to comply with the law, rural properties with a deficit of Legal Reserve and APP and that deforested until 2008, the new Forestry Law established transition rules, which allow the adaptation of rural properties to the terms of the Law, through a process.



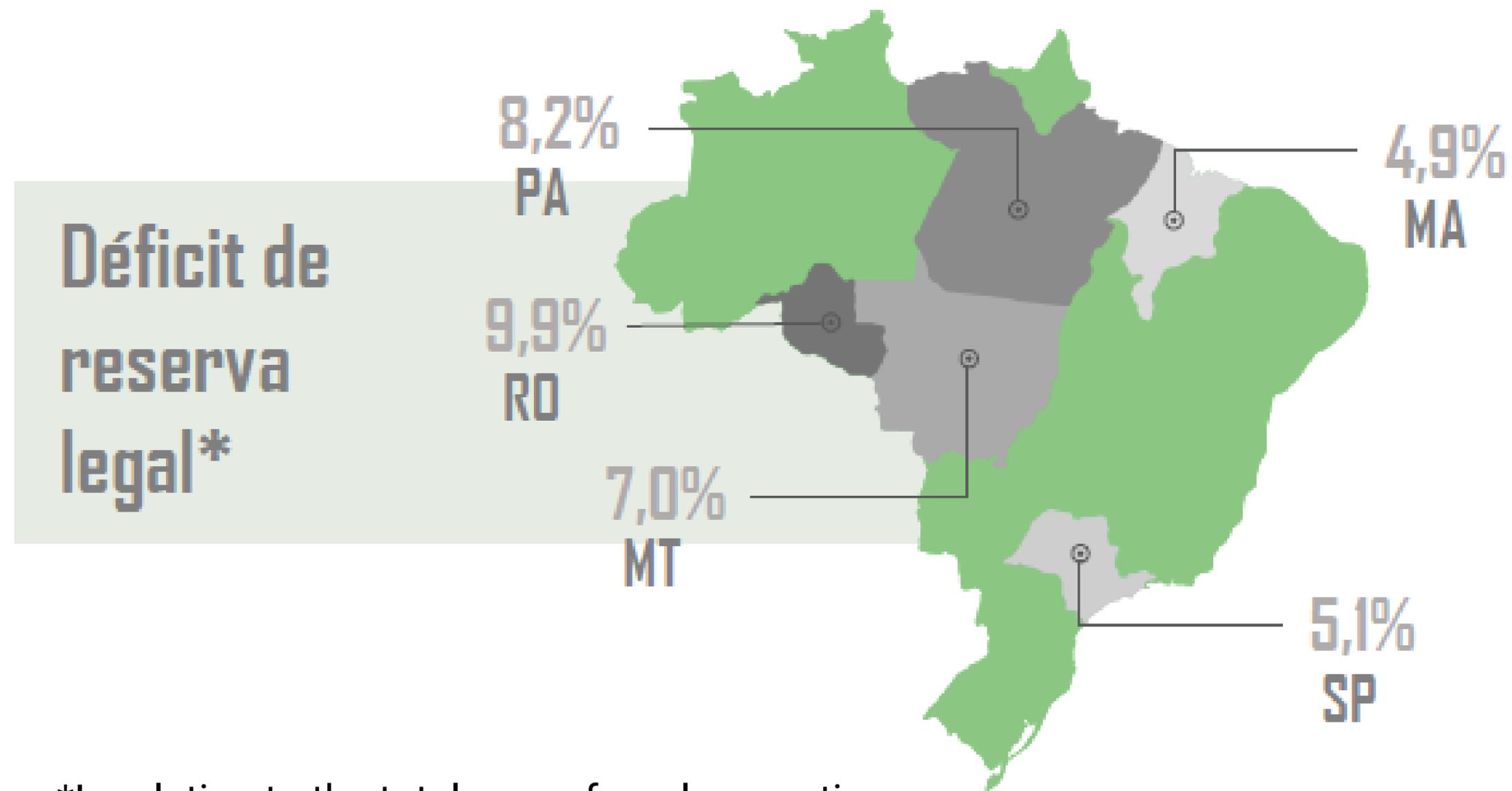
# Hectares by size of deforestation





5 states with the most deficit of legal reserve areas

# Top 5 ranking



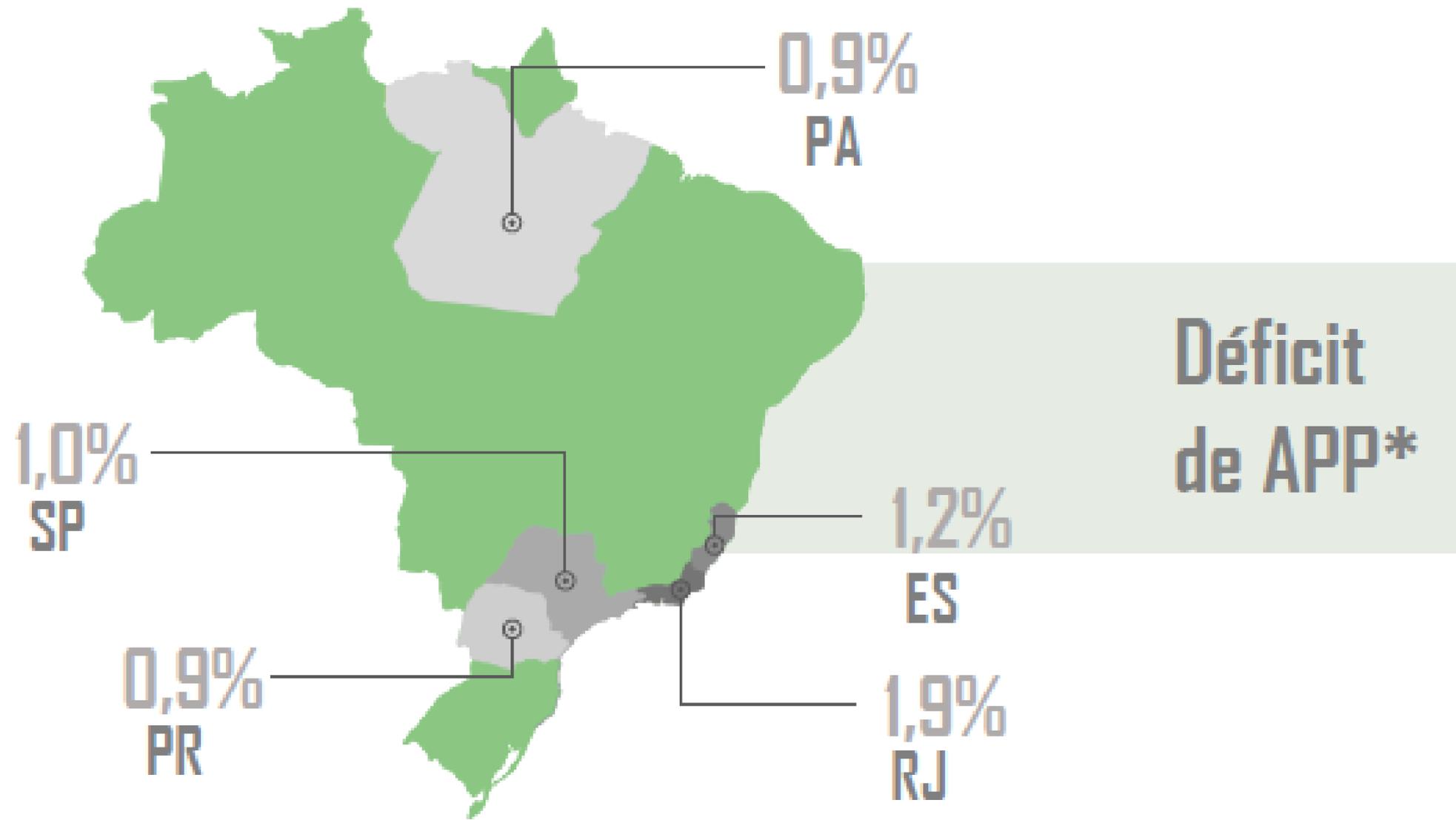
\*In relation to the total area of rural properties

Source: CSR/UFMG, 2022

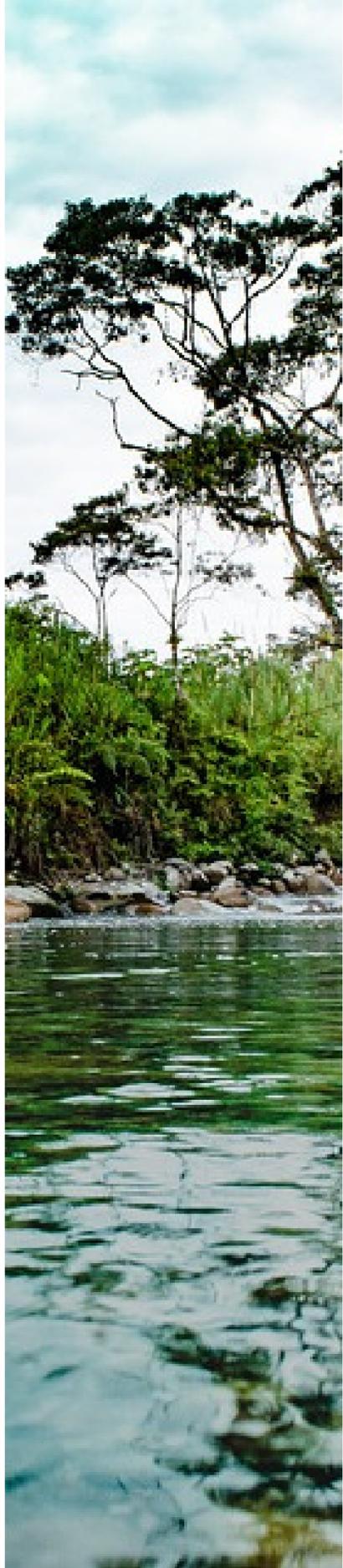


5 states with the most deficit of permanent preservation areas

# Top 5 ranking



\*In relation to the total area of rural properties



## Logging after 2008\*

10,5%

TO 2,0  
Mha

6,5%

RO

6,3%

MA

5,7%

PI

5,0%

AC

Estimated logging at the property level, considering himself a threshold of 6.25 ha.



## Potentially illegal logging after 2008\*

5,6%



**RO** 658  
k ha

3,7%



**PA**

3,4%



**AC**

Logging after 2008 in APP or with legal reserve below the minimum required for authorization of suppression of the vegetation.

1,6%



**MA**

1,2%



**MT**

18

# References

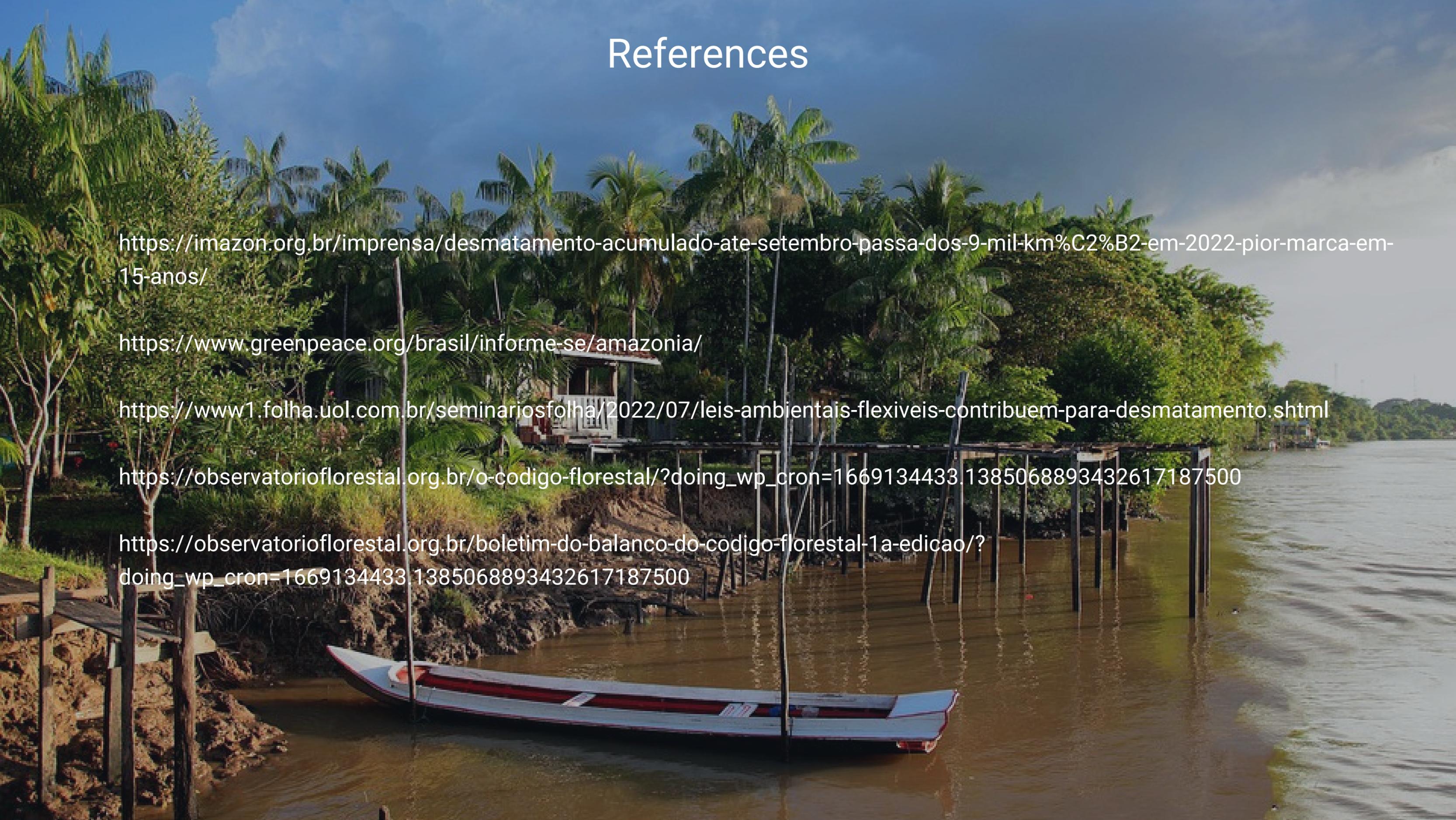
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# Thank You

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