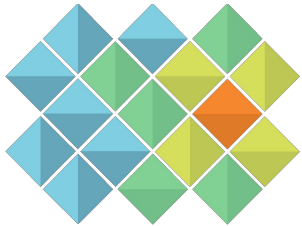


MapBiomas Network



MAPBIOMAS

mapbiomas.org

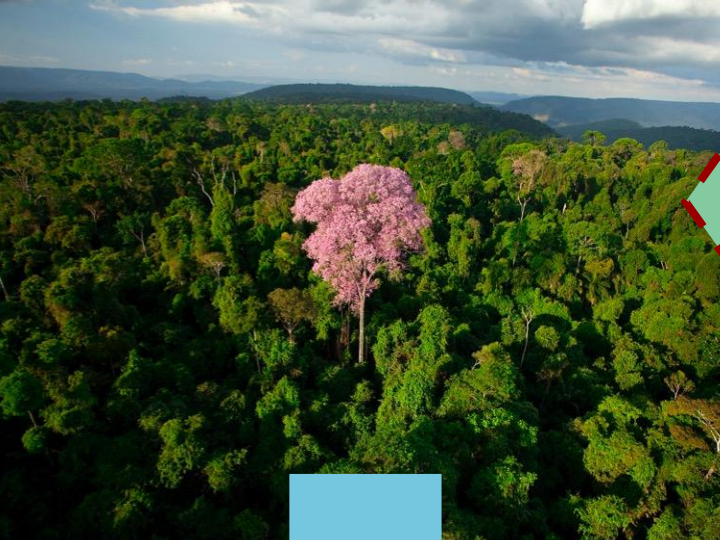




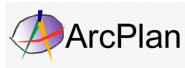
USO Y CAMBIO DE USO DE LA
TIERRA ES LA **MAYOR FUENTE** DE
EMISSIONES E REMOCIONES DE
GEE DE BRAZIL

70%





CO-CREADORES



INICIATIVA



SOPORTE INSTITUCIONAL



COLABORADORES TÉCNICOS

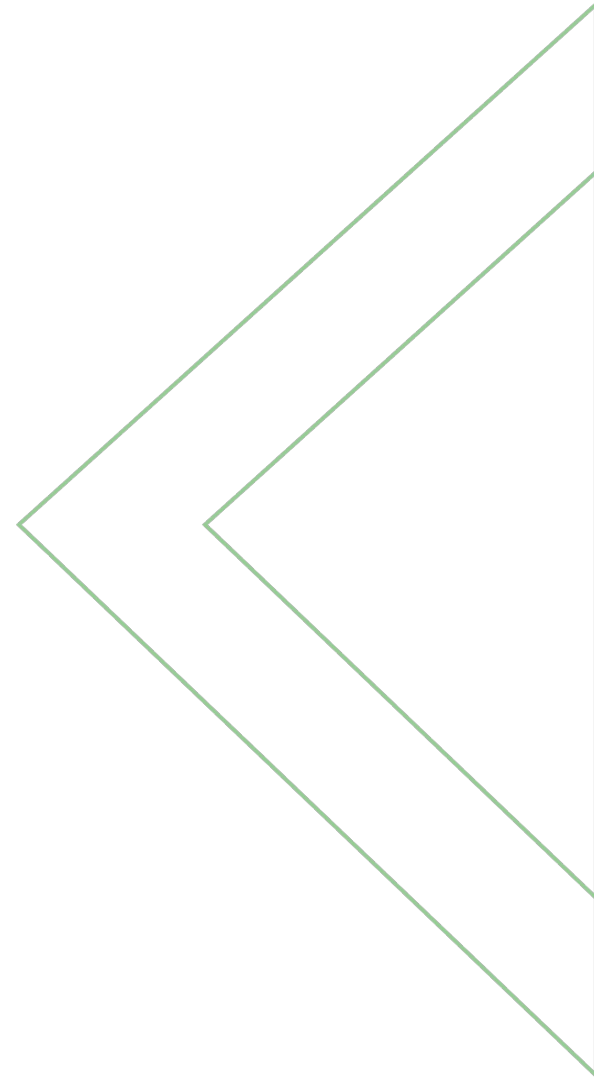


FINANCIADORES



Nuestro propósito

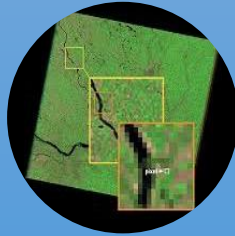
Revelar las transformaciones del territorio a través de la ciencia, con precisión, agilidad y calidad, y hacer que el conocimiento sobre la cobertura y uso del suelo sea accesible para buscar la conservación y el manejo sustentable de los recursos naturales, como de lucha contra el cambio climático.



Principales características



Basado en
imágenes Landsat
(30 m resolución)



Procesamiento
píxel a píxel
(30 x 30 m)



Red colaborativa
de instituciones



Aprendizaje
automático y
procesamiento
en la nube
(GEE)

PLATAFORMA



COBERTURA TRANSIÇÕES
NÚMERO DE CLASSES ÁREAS ESTÁVEIS

Recorte territorial Recorte fundiário

Recorte territorial

País

Território

Brasil

Selecionar múltiplos territórios ⓘ

LEGENDA

Clique [aqui](#) e veja a descrição das classes.

Visualizar por

Classe

Natural e uso antrópico

Nível 1 Nível 2 Nível 3 Nível 4

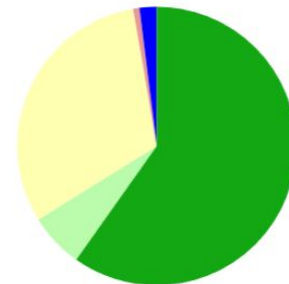
SALVAR MAPA

MEUS MAPAS

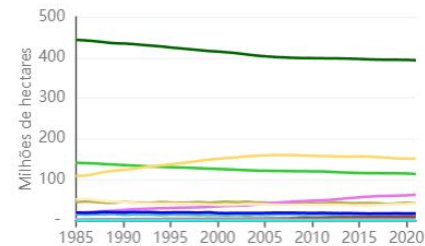


ESTATÍSTICAS

Visualização por classe (Nível 1 - 2021)



Série histórica

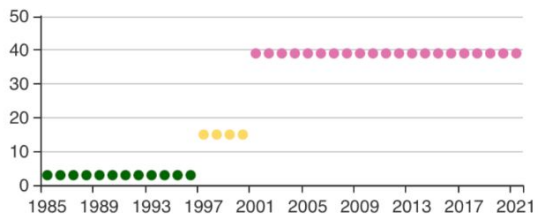


2021



ESTATÍSTICAS

Histórico do ponto

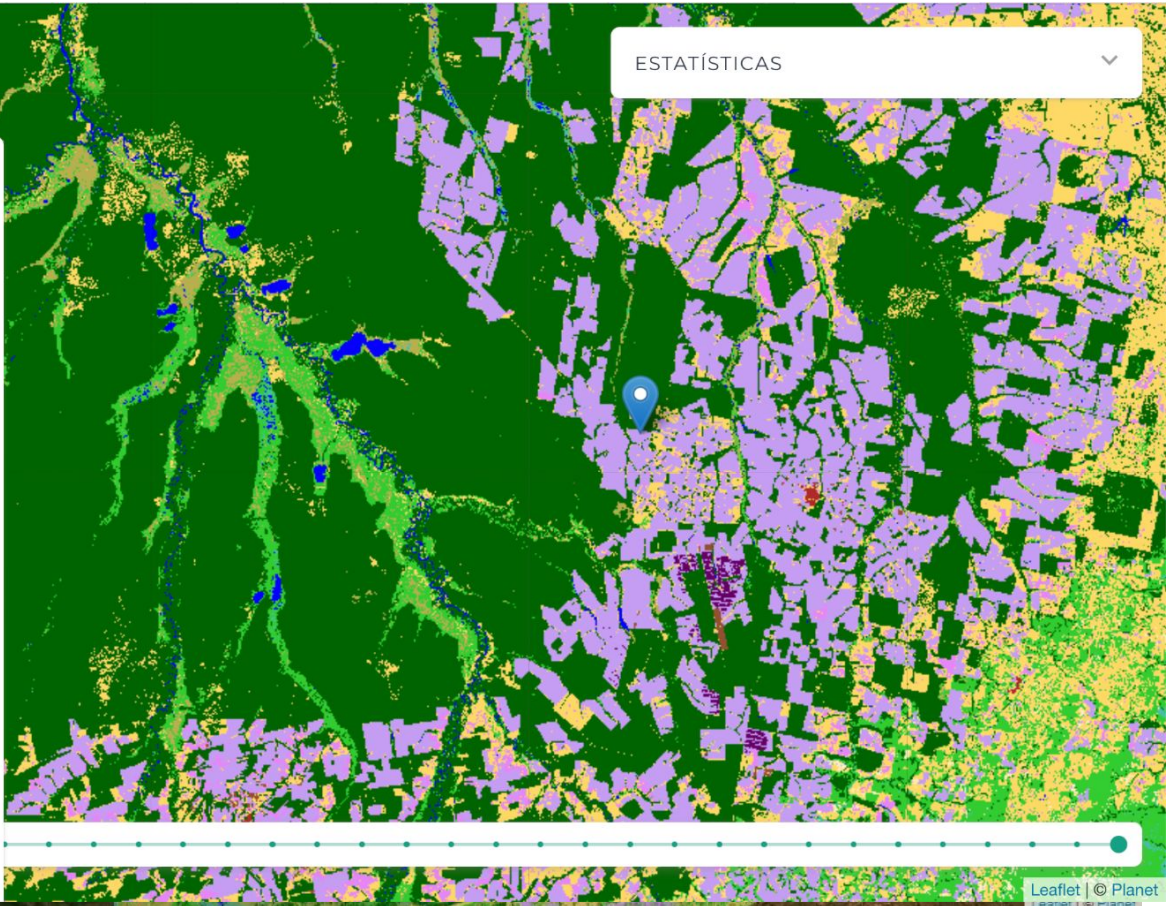


Informações do ponto

País	Brasil	Bioma	AMAZÔNIA
Estado	Mato Grosso	Município	Querência (MT)
Região Hidrográfica (PNHR)	XINGU - PNRH	Bacia Hidrográfica (PNHR)	XINGU 01 - PNRH
Região Hidrográfica	Região Hidrográfica Amazônica	Bacia Hidrográfica	Xingu

CARs

- MT-5107065-B6ECBB2D8DDB48B7B113EA607255FBCA
- MT-5107065-0ADD539B82204ADD923C937474D48855
- MT-5107065-D1AF245B520146AFA282C9AD72064120F



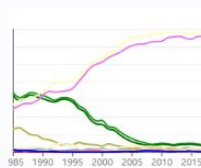
Todos los mapas, datos y códigos **están disponibles de forma gratuita y de libre acceso para descargar** en el sitio web de MapBiomás.

Descargue aquí mapas, datos estadísticos, mosaicos de imágenes Landsat, códigos de leyenda, entre otros datos y materiales de comunicación de las colecciones de MapBiomás Amazonia.



Mapas de Cobertura y Uso

Todos los mapas de las colecciones de MapBiomás Amazonia desde el 1985



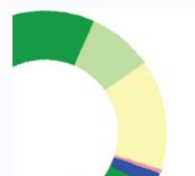
Estadísticas

Datos estadísticos de las colecciones MapBiomás Amazonia



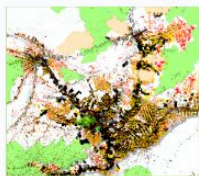
Mosaicos Landsat

Mosaicos de imágenes de satélite Landsat para cada año desde 1985



Códigos de la leyenda

Códigos de la leyenda de las colecciones MapBiomás Amazonia



Mapas de referencia

Referencias externas utilizadas en las colecciones de MapBiomás Amazonia



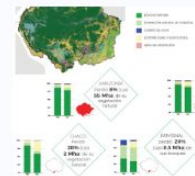
Infografías

Infografías con la dinámica del cambio de cobertura y uso del suelo para cada país



Mapa mural

Mapa detallado de cobertura y uso del suelo para cada país en 2021



Destacados

Principales datos sobre uso y cobertura del suelo en los biomas de los países amazónicos

Iniciativas MapBiomas (desde 2015)

Productos Anuales



RAD – Relatório Anual do
Desmatamento



Productos Mensuales



Las Iniciativas de MapBiomias cubre 14 países



MapBiomias Amazônia

MapBiomias Chaco

MapBiomias Pampa Tri-Nacional

MapBlomas Bosque Atlântica Tri-Nacional

MapBiomias Chile

MapBiomias Indonesia



1 Amazon
4 Atlantic Forest

2 Brasil
5 Pampa

3 Chaco
6 Indonesia

Red Global MapBiomás - 240 personas y 44 instituciones

Brazil	Amazon	Chaco	Indonesia	Atlantic Forest	Pampa	Chile
Coordination	Coordination	Coordination	Coordination	Coordination	Coordination	Coordination
 MAPBIOMÁS	 RAISG <small>RED AMAZÓNICA DE INFORMACIÓN SOCIOAMBIENTAL GOBIERNOS LOCALES</small>	 Instituto Nacional de Tecnología Agropecuaria		 <small>INstituto Nacional de Tecnología Agropecuaria</small>	 <small>UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL</small>	
Co-creators	Co-creators	Co-creators	Co-creators	Co-creators	Co-creators	Co-creators
          <small>Instituto de Pesquisa Ambiental da Amazônia</small>       	       Gaia Amazonas	  <small>Instituto Nacional de Tecnología Agropecuaria</small>   <small>INstituto Nacional de Tecnología Agropecuaria</small>	       	      I B S	 <small>Instituto Nacional de Tecnología Agropecuaria</small>  <small>INstituto Nacional de Tecnología Agropecuaria</small>   <small>UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL</small>    <small>Consultoría Científica</small>  <small>Instituto Nacional de Investigación Agropecuaria URUGUAY</small> 	     

RED GLOBAL MAPBIOMAS



The image displays five overlapping screenshots of the MapBiomas web application interface, illustrating its capabilities across different geographical regions and data layers. Each screenshot shows a map with various data overlays and a sidebar with navigation and filtering options.

- Top-left screenshot:** Shows the 'Cobertura' (Coverage) layer for the 'Límite de la Amazonia' territory. The sidebar includes options for 'Corte territorial' (territorial cut) and 'Unidades de gestión' (management units).
- Second screenshot:** Shows the 'Cobertura' layer for the 'Chaco Limit' territory. The sidebar includes options for 'Corte territorial' and 'Territorio'.
- Third screenshot:** Shows the 'Cobertura' layer for the 'Límite del Bosque Atlántico' territory. The sidebar includes options for 'Corte territorial' and 'Territorio'.
- Fourth screenshot:** Shows the 'Cobertura' layer for the 'Límite del Pampa' territory. The sidebar includes options for 'Corte territorial' and 'Territorio'.
- Bottom-right screenshot:** Shows the 'Coverage' layer for the 'Indonesia' territory. The sidebar includes options for 'Territory Category' and 'Territory'.

Each interface includes a legend (Legenda) with a list of classes (Clase) and their descriptions. The legend is interactive, allowing users to click on a class to see its description. The interface also features a search bar, a scale bar, and a 'Selected year' dropdown menu.

Seis iniciativas que representan más del 50% de los biomas tropicales

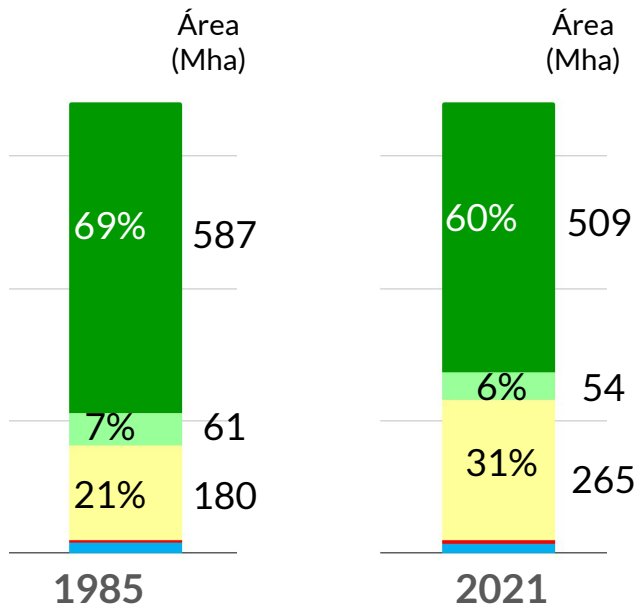
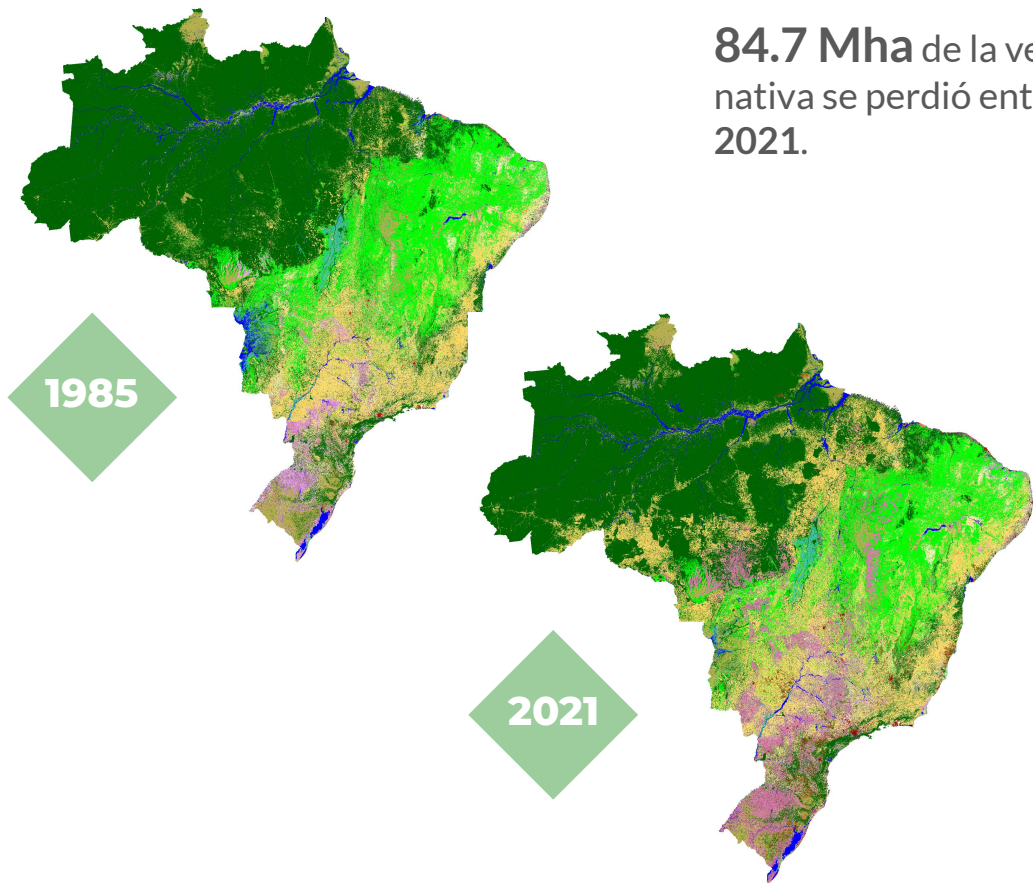
Initiative	Collection	Period	Classes	Website
Brazil	7.0	1985-2021	27	mapbiomas.org
Chaco	3.0	2000-2021	15	chaco.mapbiomas.org
Atlantic Forest	2.0	1985-2021	18	blosqueatlantico.mapbiomas.org
Amazon	4.0	1985-2021	18	amazonia.mapbiomas.org
Pampa	1.0	2000-2019	8	pampa.mapbiomas.org
Indonesia	1.0	2000-2019	10	mapbiomas.nusantara.earth



COBERTURA Y USO DEL SUELO EN BRASIL EN 2021

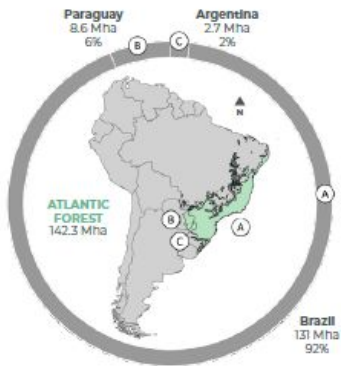
84.7 Mha de la vegetación nativa se perdió entre **1985 y 2021**.

Se perdió **13.1%** de la vegetación natural desde 1985.





BOSQUE ATLÁNTICO

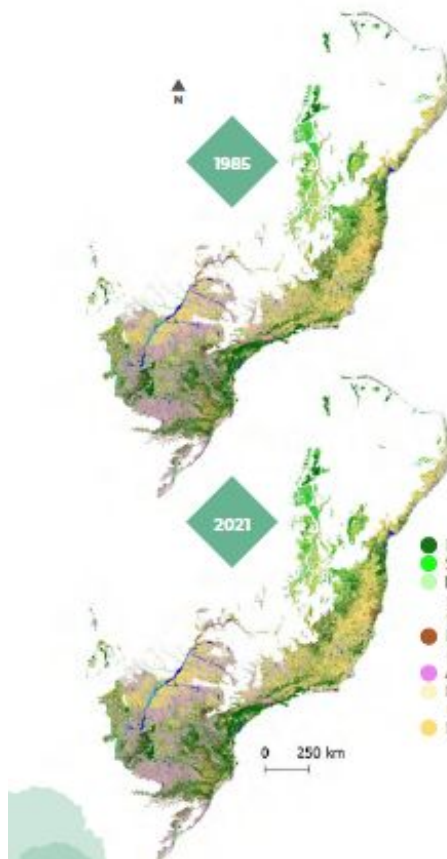


37% de Cobertura Forestal

6.6 Mha de la vegetación natural se perdió entre **1985 y 2021**.

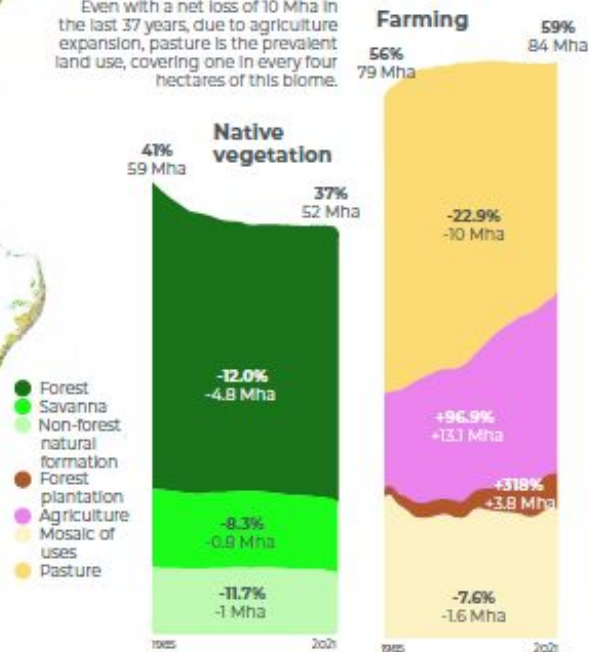
Se perdió el **11.3%** de la vegetación natural desde 1985.

3 Gt CO2 se emitieron desde 1985 debido a la deforestación.



MAPBIOMAS ATLANTIC FOREST COLLECTION 2: LAND COVER AND LAND USE IN THE ATLANTIC FOREST 1985 - 2021

Even with a net loss of 10 Mha in the last 37 years, due to agriculture expansion, pasture is the prevalent land use, covering one in every four hectares of this biome.





CHACO

78% de Vegetación Natural

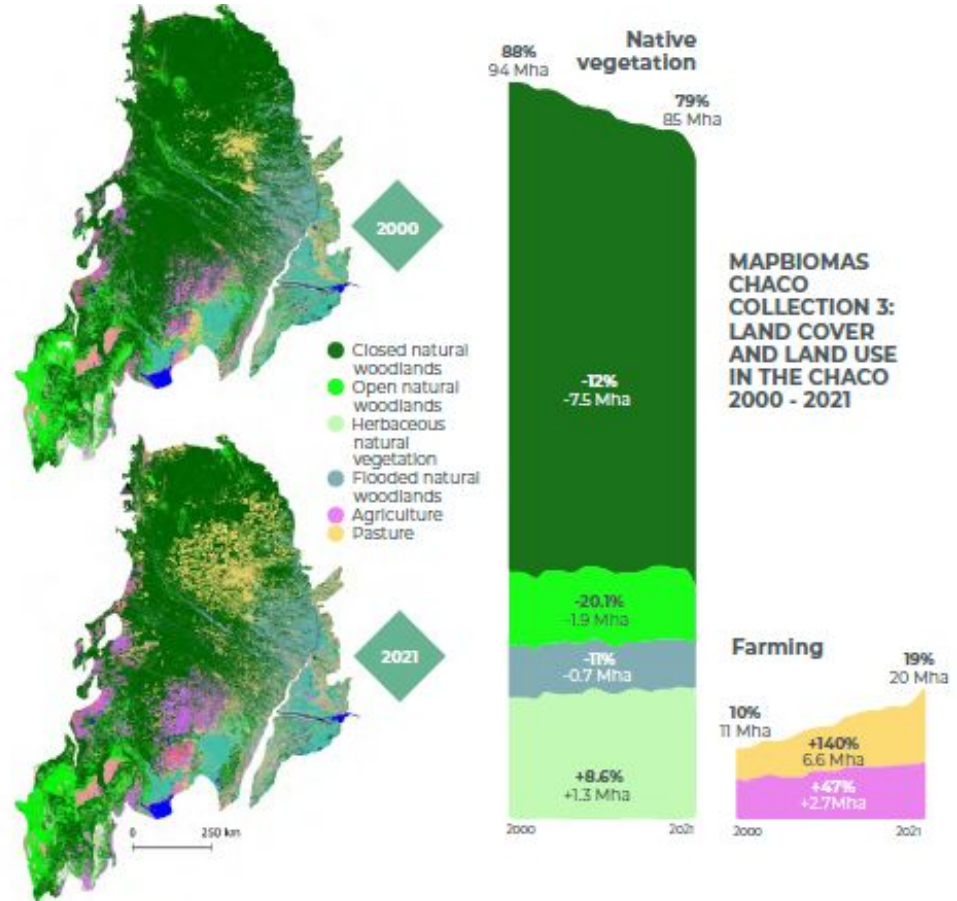
9.5 Mha de la vegetación natural se perdió entre **2000 y 2021**.

Se perdió el **10%** de la vegetación natural en 20 años.

3.8 Gt CO₂ se emitieron desde el 2000.



MAPBIOMAS [CHACO]



MAPBIOMAS CHACO COLLECTION 3: LAND COVER AND LAND USE IN THE CHACO 2000 - 2021



PAMPA

**46% de
Vegetación
Natural**

8.5 Mha de la vegetación natural se perdió entre **2000 y 2019**.

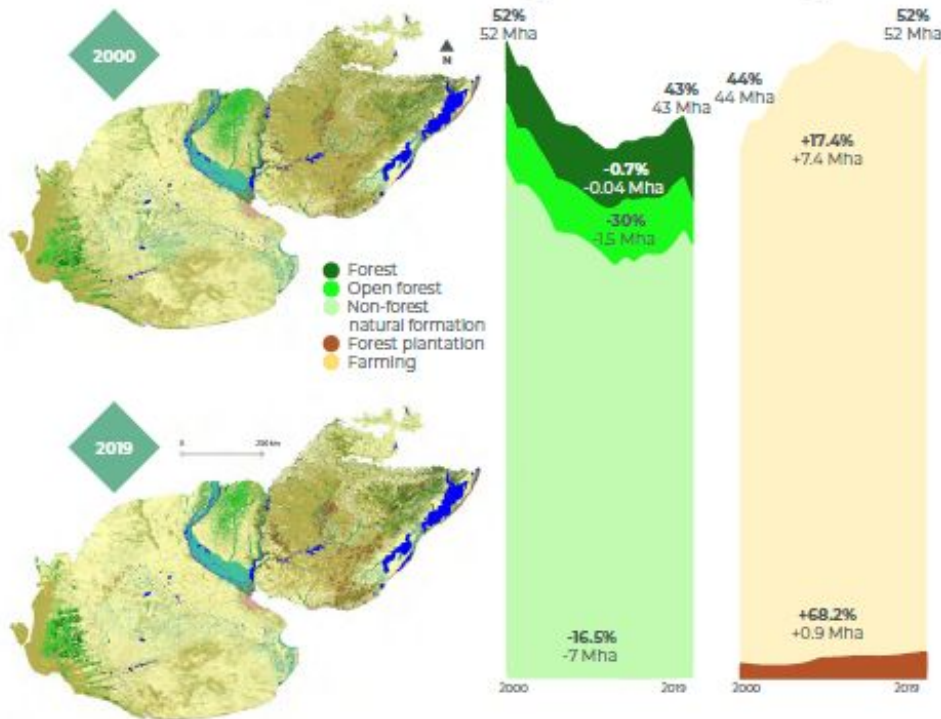
Se perdió el **16.3%** de la vegetación natural desde 2000.

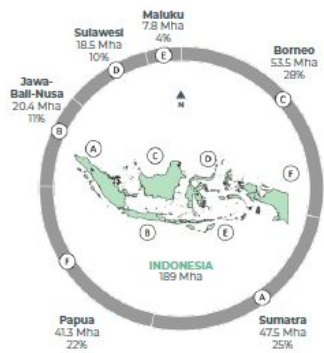
700 Mt CO₂ se emitieron desde el 2000.



MAPBIOMAS

MAPBIOMAS PAMPA COLLECTION 1: LAND COVER AND LAND USE IN THE PAMPA 2000 - 2019





INDONESIA

61% de Cobertura Forestal

13 Mha de la vegetación natural se perdió entre **2000 y 2019**.

Se perdió el **10.2%** de la vegetación natural desde 2000.

5.9 Gt CO₂ se emitieron desde 2000 debido a la deforestación.



MAPBIOMAS
[INDONESIA]

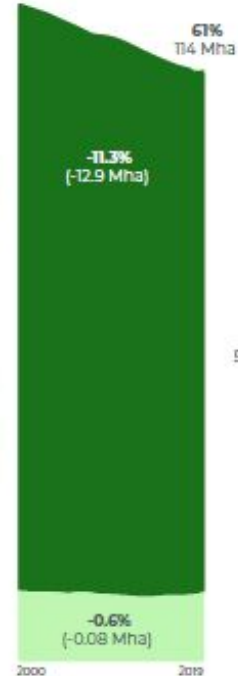
MAPBIOMAS INDONESIA COLLECTION 1: LAND COVER AND LAND USE IN INDONESIA 2000 - 2019



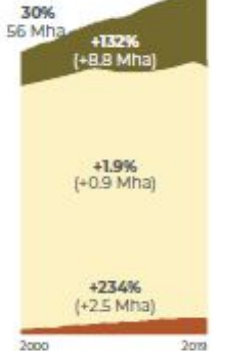
- Forest
- Non-forest natural formation
- Palm oil
- Other agriculture
- Forest plantation

Native vegetation

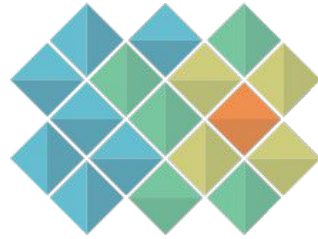
67%
127 Mha



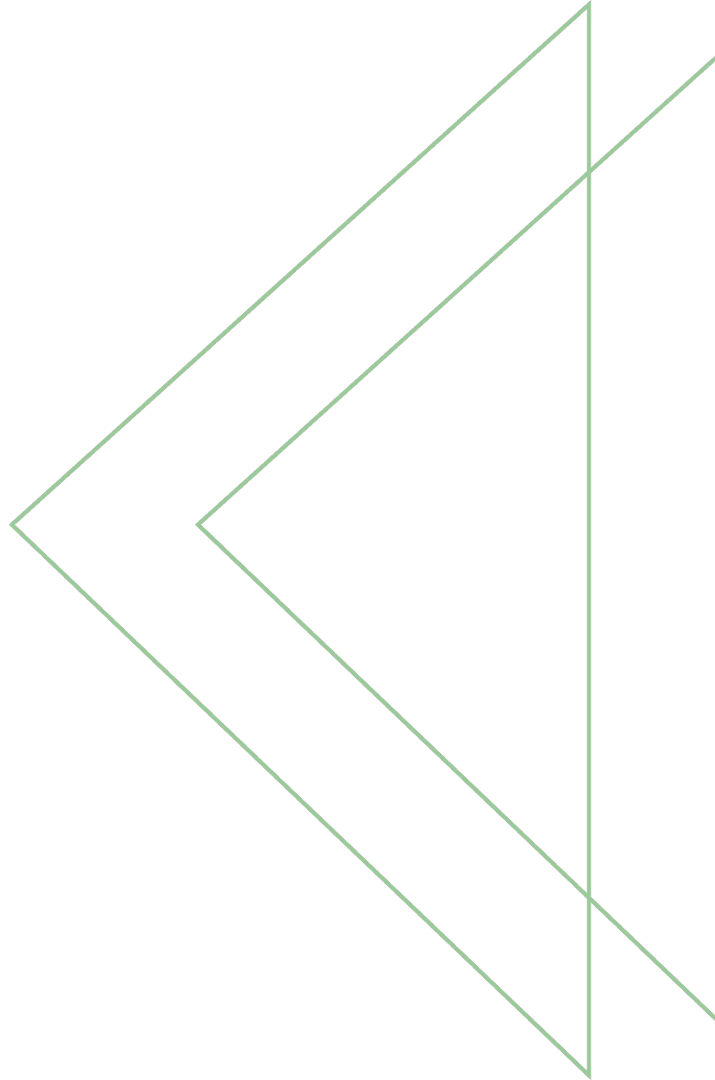
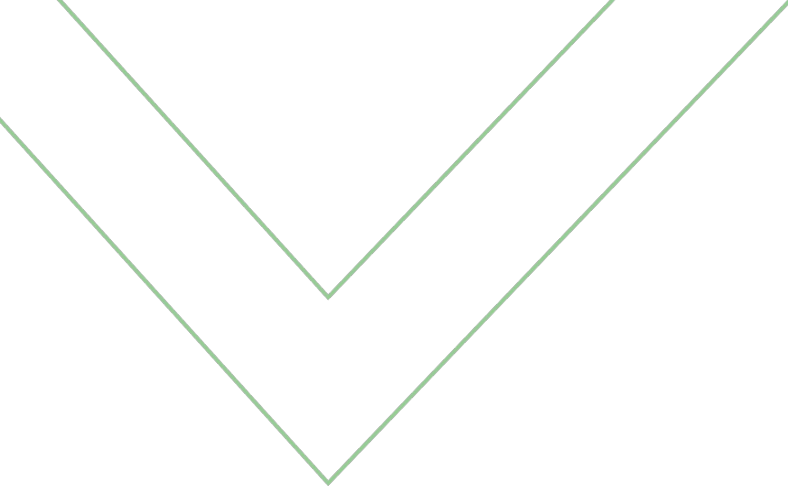
Farming







MAPBIOMAS



The screenshot displays the MAPBIOMAS v.3.0 web interface. The main map shows a satellite view of Mato Grosso, Brazil, overlaid with a multi-colored map of land cover classes. The interface includes a left sidebar with navigation and control elements, a top navigation bar, and a bottom status bar.

MAPBIOMAS v.3.0

ESTADÍSTICAS

COVERAGE **TRANSICIONES**

Corte territorial Recorte de tierras

Corte territorial

Nivel Político 1

Territorio

Mato Grosso (Brasil)

Seleccionar varios territorios ⓘ

LEYENDA

Hacer clic [aquí](#) y vea la descripción de las clases.

Vista por

Clase Uso natural y antrópico

GUARDAR MAPA **MIS MAPAS**

© Copyright - MapBiomias - Todos los derechos reservados

Leaflet | © Plan...
3.0.0 · EcoStage.

PLATAFORMA

Clasificación de todos los años desde 1985 hasta 2021

The screenshot displays the MapBiomas v.3.0 web application interface. On the left sidebar, there are navigation icons for home, search, and user profile. The main menu includes 'COVERAGE' and 'TRANSICIONES'. Under 'Corte territorial', the 'Recorte de tierras' option is selected. The 'Nivel Político 1' is set to 'Mato Grosso (Brasil)'. A legend section is visible with the text 'Hacer clic [aquí](#) y vea la descripción de las clases.' and 'Vista por' set to 'Clase' with the value 'Uso natural y antrópico'. The main map area shows a satellite view of Mato Grosso, Brazil, overlaid with a multi-colored land use classification map. A vertical toolbar on the left of the map includes icons for 3D view, share, zoom in (+), zoom out (-), search, location pin, layers, and map style. A search bar at the bottom left of the map shows coordinates '-7.78, -63.19' and a scale of '200 km'. A timeline at the bottom of the map shows the year '2021' selected. On the right side, a dropdown menu is labeled 'ESTADÍSTICAS'. The bottom of the interface features a language selector set to 'ES', a 'GUARDAR MAPA' button, and a 'MIS MAPAS' button.

PLATAFORMA Transiciones

MAPBIOMAS v.7.0

LAND COVER | **TRANSITIONS**

1985 to 2021

Show before and after

LEGEND

- All classes
 - Transitions from classes of agriculture or non-vegetated areas to forest cover or natural non-forest areas.
- Transitions that add water surface.
- Transitions that reduce water surface.
- Transitions with gain in forestry areas.
- Transitions from forest cover or natural non-forest areas to agriculture or non-vegetated areas.
- Areas without transition or transitions that involve unobserved areas or transitions between classes within level 1 of legend.

SAVE MAP | MY MAPS

2021

Leaflet | © Planet



MAPBIOMAS

[FOGO]

Área quemada en Brasil entre 1985 y 2020

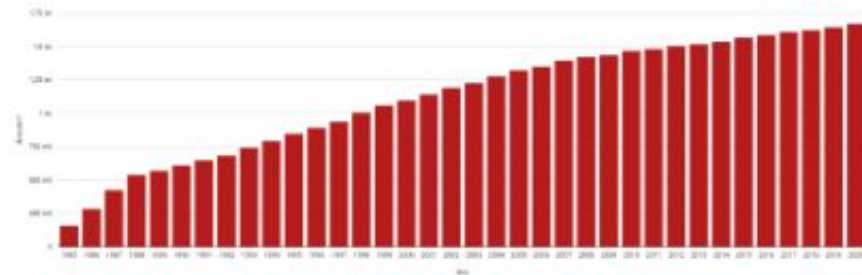


El 20% del área de Brasil se quemó al menos una vez en los últimos 35 años

1.672.142 km²

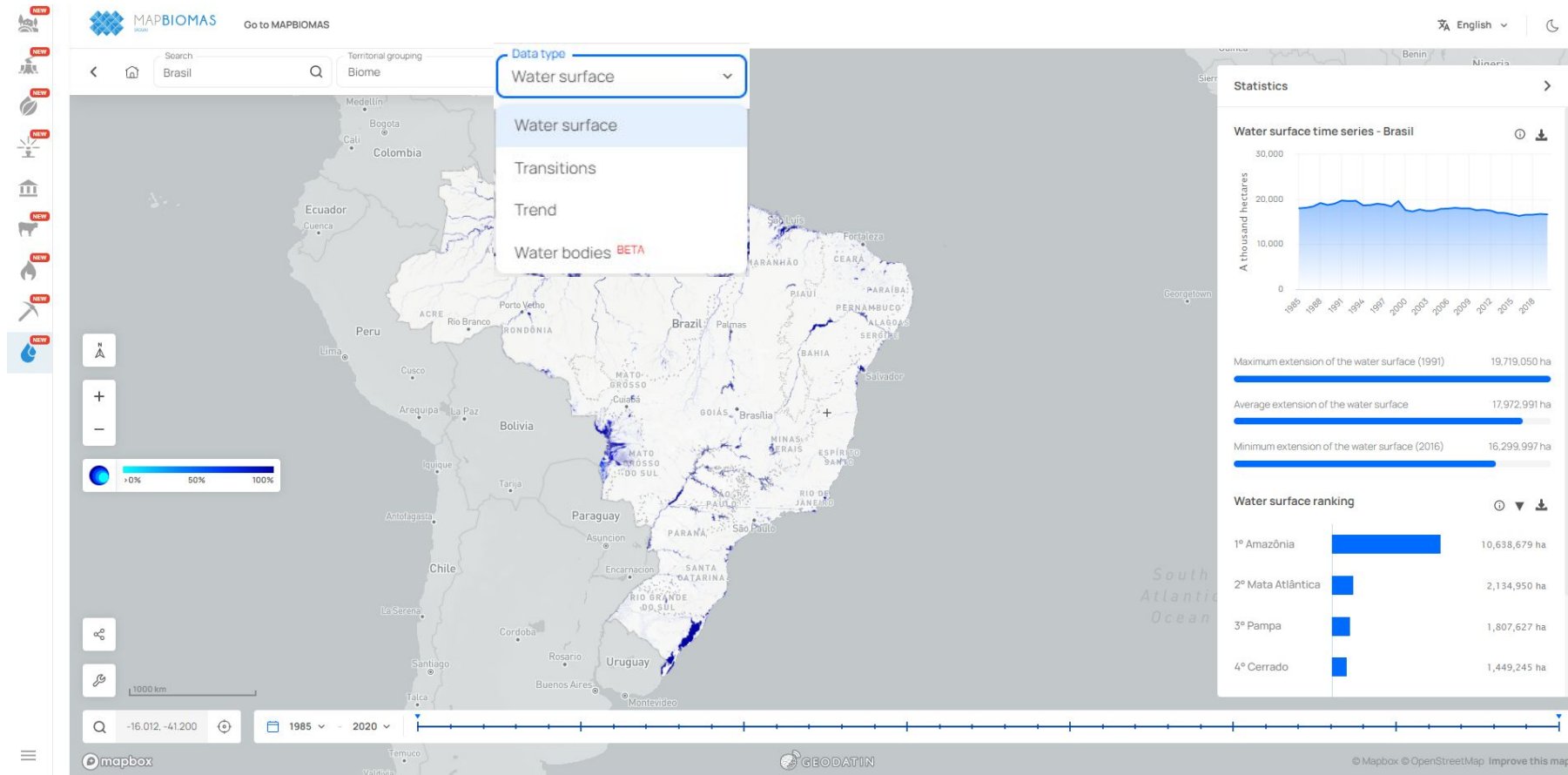
La mitad de esta área se quemó 2 veces o más

$\frac{2}{3}$ del área quemada fue sobre coberturas naturales





Brasil perdeu 15% de la superficie de agua en los últimos 30 años (descontando las variaciones interanuales de regiones húmedas y secas)



PLATAFORMA Transiciones

MAPBIOMAS v.7.0

LAND COVER | **TRANSITIONS**

Year range: 1985 to 2021

Show before and after

LEGEND

- All classes
- Transitions from classes of agriculture or non-vegetated areas to forest cover or natural non-forest areas.
- Transitions that add water surface.
- Transitions that reduce water surface.
- Transitions with gain in forestry areas.
- Transitions from forest cover or natural non-forest areas to agriculture or non-vegetated areas.

Areas without transition or transitions that involve unobserved areas or transitions between classes within level 1 of legend.

TRANSITION STATISTICS

Level 1 | Level 2 | Level 3 | Level 4

SANKEY | MATRIX

1985 - 2021

1. Forest

3. Farming

2. Non Forest Natural Formation

4. Non vegetated area

2. Non Forest Natural Formation

4. Non vegetated area

2021

Leaflet | © Planet

Evolución de las Clases

Colección 2

1. Forest
1.1. Natural Forest
1.1.1. Natural Forest Formation
1.1.2. Savanna Formation
1.1.3. Mangrove
1.2. Forest Plantations
2. Non-Forest Natural Formations
2.1. Non-forest Natural Wetlands
2.2. Grasslands
3. Farming
3.1. Pasture
3.2. Agriculture
3.3. Agriculture or Pasture
4. Non-Vegetated areas
4.1. Beach and dune
4.3. Other non-vegetated areas
4.2. Urban Infrastructure
5. Water
5.1. River, Lake and Ocean
6. Non-Observed

13 Clases

Colección 1

Forest
Forest in Coastal Zone
Planted Forest
Agriculture
Pasture
Water
Other
Non-Observed

7 Clases

Colección 3

1. Forest
1.1. Natural Forest
1.1.1. Forest Formation
1.1.2. Savanna Formation
1.1.3. Mangrove
1.2. Forest Plantation
2. Non Forest Natural Formation
2.1. Wetland
2.2. Grassland
2.3. Salt flat
2.3. Other non forest natural formation
3. Farming
3.1. Pasture
3.2. Agriculture
3.2.1. Annual and Perennial Crop
3.2.2. Semi-perennial Crop
3.3. Mosaic of Agriculture and Pasture
4. Non vegetated area
4.1. Beach and Dune
4.2. Urban Infrastructure
4.3. Rocky outcrop
4.4. Mining
4.5. Other non vegetated area
5. Water
5.1. River, Lake and Ocean
5.2. Aquaculture
6. Non Observed

19 Clases

Colección 4

1. Forest
1.1. Natural Forest
1.1.1. Forest Formation
1.1.2. Savanna Formation
1.1.3. Mangrove
1.2. Forest Plantation
2. Non Forest Natural Formation
2.1. Wetland
2.2. Grassland
2.3. Salt flat
2.4. Rocky outcrop
2.5. Other non forest natural formation
3. Farming
3.1. Pasture
3.2. Agriculture
3.2.1. Annual and Perennial Crop
3.2.2. Semi-perennial Crop
3.3. Mosaic of Agriculture and Pasture
4. Non vegetated area
4.1. Beach and Dune
4.2. Urban Infrastructure
4.3. Mining
4.4. Other non vegetated area
5. Water
5.1. River, Lake and Ocean
5.2. Aquaculture
6. Non Observed

19 Clases

Colección 5

1. Forest
1.1. Natural Forest
1.1.1. Forest Formation
1.1.2. Savanna Formation
1.1.3. Mangrove
1.2. Forest Plantation
2. Non Forest Natural Formation
2.1. Flooded Grassland and Swamped Area
2.2. Grassland
2.3. Salt flat
2.4. Rocky outcrop
2.5. Other non forest natural formation
3. Farming
3.1. Pasture
3.2. Agriculture
3.2.1. Annual Crop
3.2.1.1. Soybean
3.2.1.2. Sugar Cane
3.2.1.3. Other annual crops
3.2.2. Perennial Crop
3.3. Mosaic of Agriculture and Pasture
4. Non vegetated area
4.1. Beach and Dune
4.2. Urban Infrastructure
4.3. Mining
4.4. Other non vegetated area
5. Water
5.1. River, Lake and Ocean
5.2. Aquaculture
6. Non Observed

21 Clases

Colección 6

1. Forest
1.1. Forest Formation
1.2. Savanna Formation
1.3. Mangrove
1.5. Wooded Sandbank Vegetation
2. Non Forest Natural Formation
2.1. Flooded Grassland and Swamped Area
2.2. Grassland
2.3. Salt Flat
2.4. Rocky Outcrop
2.6. Other non Forest Formations
3. Farming
3.1. Pasture
3.2. Agriculture
3.2.1. Temporary Crop
3.2.1.1. Soybean
3.2.1.2. Sugar cane
3.2.1.3. Rice
3.2.1.4. Other Temporary Crops
3.2.2. Perennial Crop
3.2.1.1. Coffee
3.2.1.2. Citrus
3.2.1.3. Other Perennial Crops
3.3. Forest Plantation
3.4. Mosaic of Agriculture and Pasture
4. Non vegetated area
4.1. Beach, Dune and Sand Spot
4.2. Urban Area
4.3. Mining
4.4. Other non Vegetated Areas
5. Water
5.1. River, Lake and Ocean
5.2. Aquaculture

25 Clases

Colección 7

1. Forest
1.1. Forest Formation
1.2. Savanna Formation
1.3. Mangrove
1.5. Wooded Sandbank Vegetation
2. Non Forest Natural Formation
2.1. Flooded Grassland and Swamped Area
2.2. Grassland
2.3. Salt Flat
2.4. Rocky Outcrop
2.4. Herbaceous Sandbank Vegetation
2.6. Other non Forest Formations
3. Farming
3.1. Pasture
3.2. Agriculture
3.2.1. Temporary Crop
3.2.1.1. Soybean
3.2.1.2. Sugar cane
3.2.1.3. Rice
3.2.1.4. Cotton
3.2.1.5. Other Temporary Crops
3.2.2. Perennial Crop
3.2.2.1. Coffee
3.2.2.2. Citrus
3.2.2.3. Other Perennial Crops
3.3. Forest Plantation
3.4. Mosaic of Uses
4. Non vegetated area
4.1. Beach, Dune and Sand Spot
4.2. Urban Area
4.3. Mining
4.4. Other non Vegetated Areas
5. Water
5.1. River, Lake and Ocean
5.2. Aquaculture

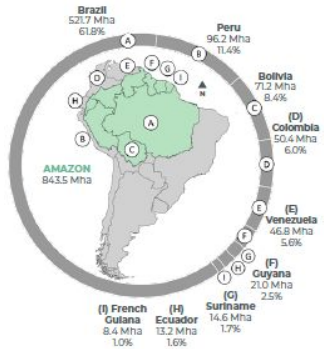
27 Clases



AMAZONIA



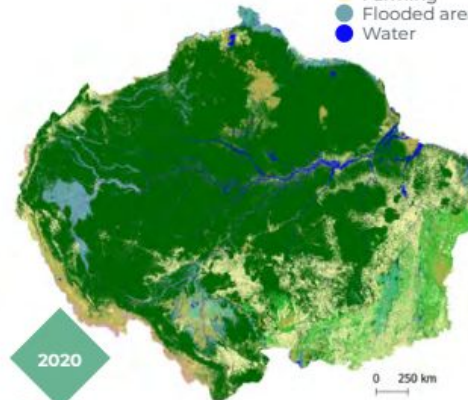
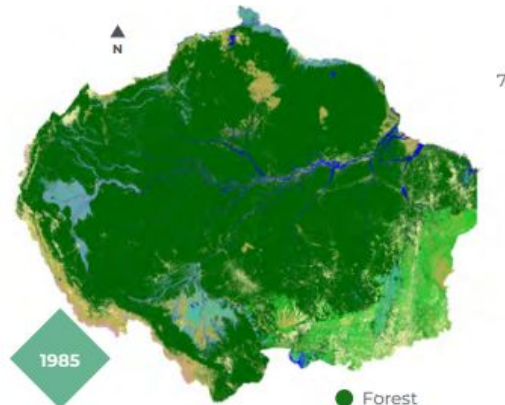
MAPBIOMAS [AMAZONIA]



74.6 Mha de la vegetación natural se perdió entre **1985 y 2020**.

Se perdió el **9.6%** de la vegetación natural desde 1985.

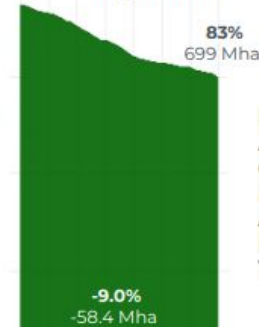
45.1 Gt CO₂ se emitieron desde 1985 debido a la deforestación.



- Forest
- Savanna
- Non-forest natural formation
- Farming
- Flooded areas
- Water

92%
774 Mha

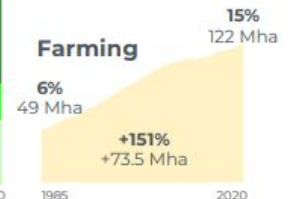
Native vegetation



**MAPBIOMAS
AMAZONIA
COLLECTION 3:
LAND COVER
AND LAND USE
IN THE AMAZON
1985 - 2020**

In the last 35 years the Amazon lost more native vegetation (9.6%) than in the last 500 years since European colonization (about 8%)

Farming



1985 2020

1985 2020

0 250 km