

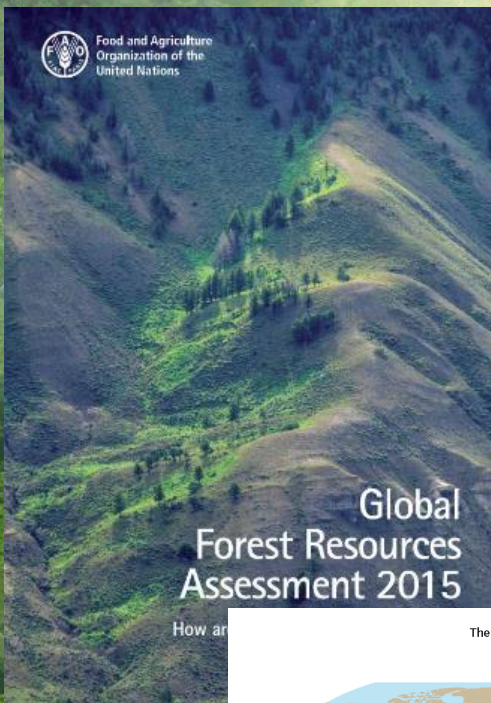


**GLOBAL  
FOREST  
WATCH**

# Monitoreo de Bosques Diseñado para la Acción

Mikaela Weisse, noviembre 2019

Cada minuto, una área de bosque igual a **60 campos de fútbol** está cortada

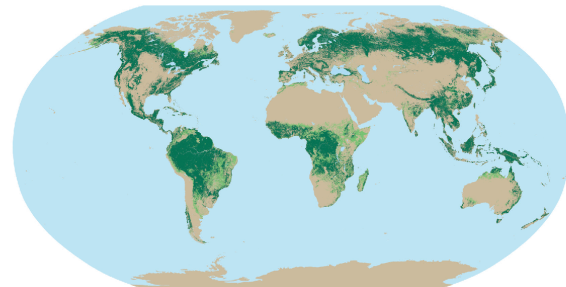


Forest area and ownership, 2010 and 2015

	Land area 2015 without inland water (1)	Forest and other wooded land 2015 (1 000 hectares)	Forest 2015 (1 000 hectares)	Forest available for wood supply 2015 (1 000 hectares)
<b>EU-28</b>	<b>424 694</b>	<b>181 918</b>	<b>160 931</b>	<b>134 486</b>
Belgium	3 033	719	683	670
Bulgaria	10 840	3 845	3 823	2 213
Czech Republic	7 722	2 667	2 967	2 301
Denmark	4 292	658	612	572
Germany	34 877	11 419	11 419	10 888
Estonia	4 343	2 456	2 232	1 994
Ireland	6 839	801	754	632
Greece	13 082	6 539	3 903	3 595
Spain	53 229	27 627	19 418	14 711
France	55 010	17 579	16 989	16 018
Croatia	5 659	2 491	1 922	1 740
Italy	29 511	11 110	9 297	8 216
Cyprus	921	386	173	41
Latvia	8 221	3 468	3 356	3 151
Lithuania	6 265	2 284	2 180	1 924
Luxembourg	259	88	87	86
Hungary	8 961	2 190	2 069	1 779
Malta	32	0	0	0
Netherlands	3 369	376	376	301
Austria	8 241	4 022	3 989	3 339
Poland	30 619	9 435	9 435	8 234
Portugal	9 068	4 907	3 182	2 088
Romania	23 008	6 951	6 861	4 627
Slovenia	2 014	1 271	1 248	1 139
Slovakia	4 904	1 940	1 940	1 785
Finland	30 389	23 019	22 218	19 465
Sweden	40 734	30 505	28 073	19 832
United Kingdom	24 251	3 164	3 144	3 144
Iceland	10 024	193	49	26
Liechtenstein	16	7	6	4
Norway	30 423	14 124	12 112	8 259
Switzerland	3 999	1 324	1 254	1 208
Montenegro	1 345	964	827	675
Former Yugoslav Republic of Macedonia	2 491	1 131	988	804
Serbia	8 746	3 228	2 720	1 795
Turkey	76 000	21 000	11 943	8 183

How an

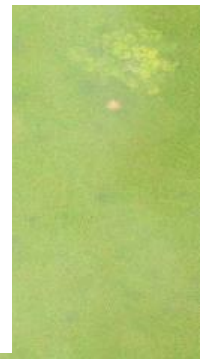
The world's forests

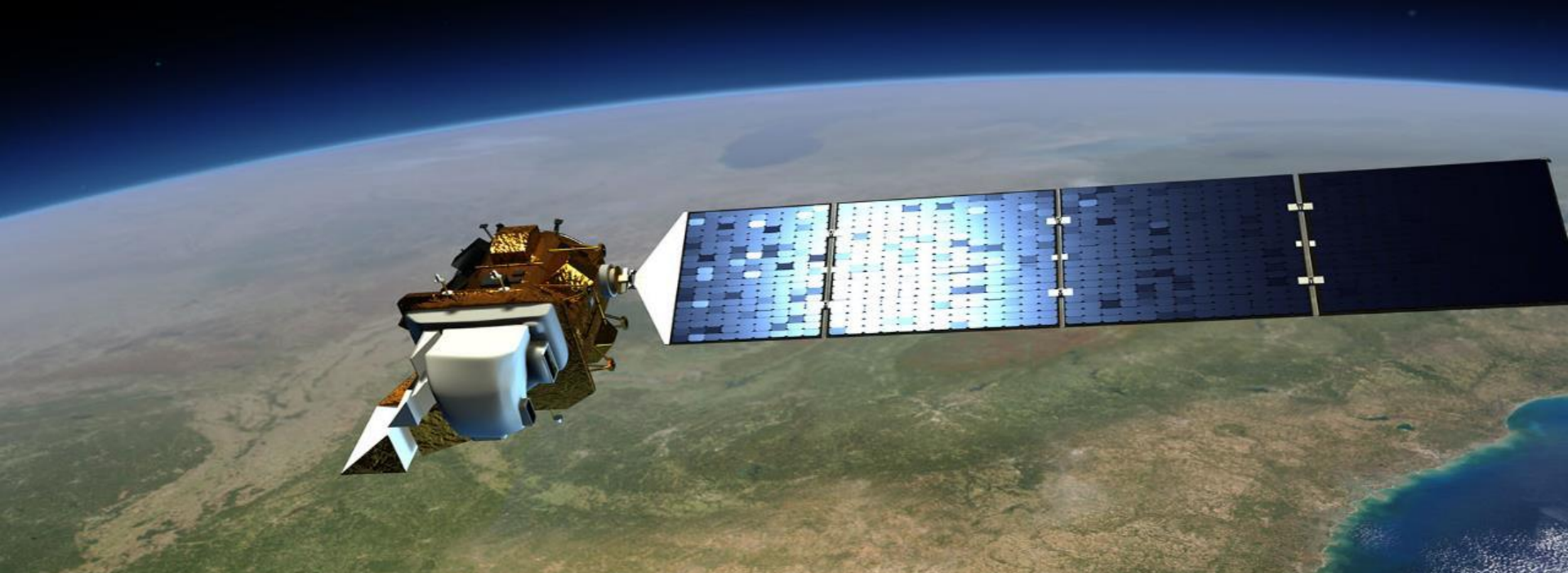


Forest  
Other wooded land  
Other land  
Water

ea), Food and Agriculture Organization of the

<http://w3.unepce.org/FAOWeb2015/pwweb/en/>





información  
satelital



inteligencia  
artificial



computación  
en la nube



GLOBAL  
FOREST  
WATCH

**Datos innovadores**

**GLOBAL  
FOREST  
WATCH**



**Transparencia sin precedentes**

**Información → Acción**

**Transparencia → Rendimiento de cuentas**






**Defender los derechos sobre la tierra**

# Investigar actividades ilícitas



Photo: OSINFOR



A group of five men are standing in a dense forest. The man in the center, wearing a grey cap and a vest with a logo, is pointing towards a tree on the right. The other men are dressed in various casual clothing, including t-shirts and shorts. The forest is lush with green foliage and tall trees.

Aplicar acuerdos de conservación

Photo: MINAM

# Global Forest Watch para el mercado de carbono

1. Investigar posibles sitios para proyectos forestales
2. Monitorear proyectos existentes

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# GLOBAL FOREST WATCH

FOREST CHANGE

LAND COVER

LAND USE

CONSERVATION

PEOPLE

STORIES

COUNTRY DATA

## Pérdida de cobertura arbórea

\* Cobertura global

\* Resolución de 30-metros

\* Actualizada cada año



**FOREST CHANGE**

**TREE COVER CHANGE**

- Tree cover loss** (annual, 30m, global, Hansen/UMD/Google/USGS/NASA)
- Tree cover gain** (12 years, 30m, global, Hansen/UMD/Google/USGS/NASA)
- Gran Chaco deforestation** (monthly, 30m, Gran Chaco, Guyra)
- PRODES deforestation** (annual, 30m, Brazilian Amazon, INPE)

**TREE COVER LOSS ALERTS** (near real-time)

- GLAD alerts** (weekly, 30m, select countries, UMD/GLAD)
- FORMA alerts** (monthly, January 2006-August 2016, 900m, humid tropics, WRI/CGD)
- Terra-i alerts** (monthly, 250m, tropics, CIAT)
- SAD alerts** (monthly, 250m, Brazilian Amazon, Imazon)
- VIIRS active fires** (daily, 375 m, global, NASA)

**LAND COVER**

- Tree cover** (2000, Hansen/UMD/Google/USGS/NASA)
- Intact Forest Landscapes** (2000/2013)
- Aboveground live woody biomass density**
- Mangrove forests**
- Land cover** (2009)
- Tree plantations** (2013-2014, select countries)
  - by type
  - by species

**LAND USE**

**CONCESSIONS**

- Managed forests** (select countries)
- Mining** (select countries)
- Oil palm** (select countries)
- Wood fiber** (select countries)

**INFRASTRUCTURE**

- Major dams**
- Congo Basin logging roads**

**CONSERVATION**

- Protected areas**
- Biodiversity hotspots**
- BirdLife Endemic Bird Areas**
- Alliance for Zero Extinction sites**
- Tiger Conservation Landscapes**

**PEOPLE**

- Resource rights** (select countries)
- Land rights** (select countries)
- Population density** (2000)

**STORIES**

- User stories**
- Mongabay stories**
- Earth Journalism Network stories**

**UGANDA DATA**

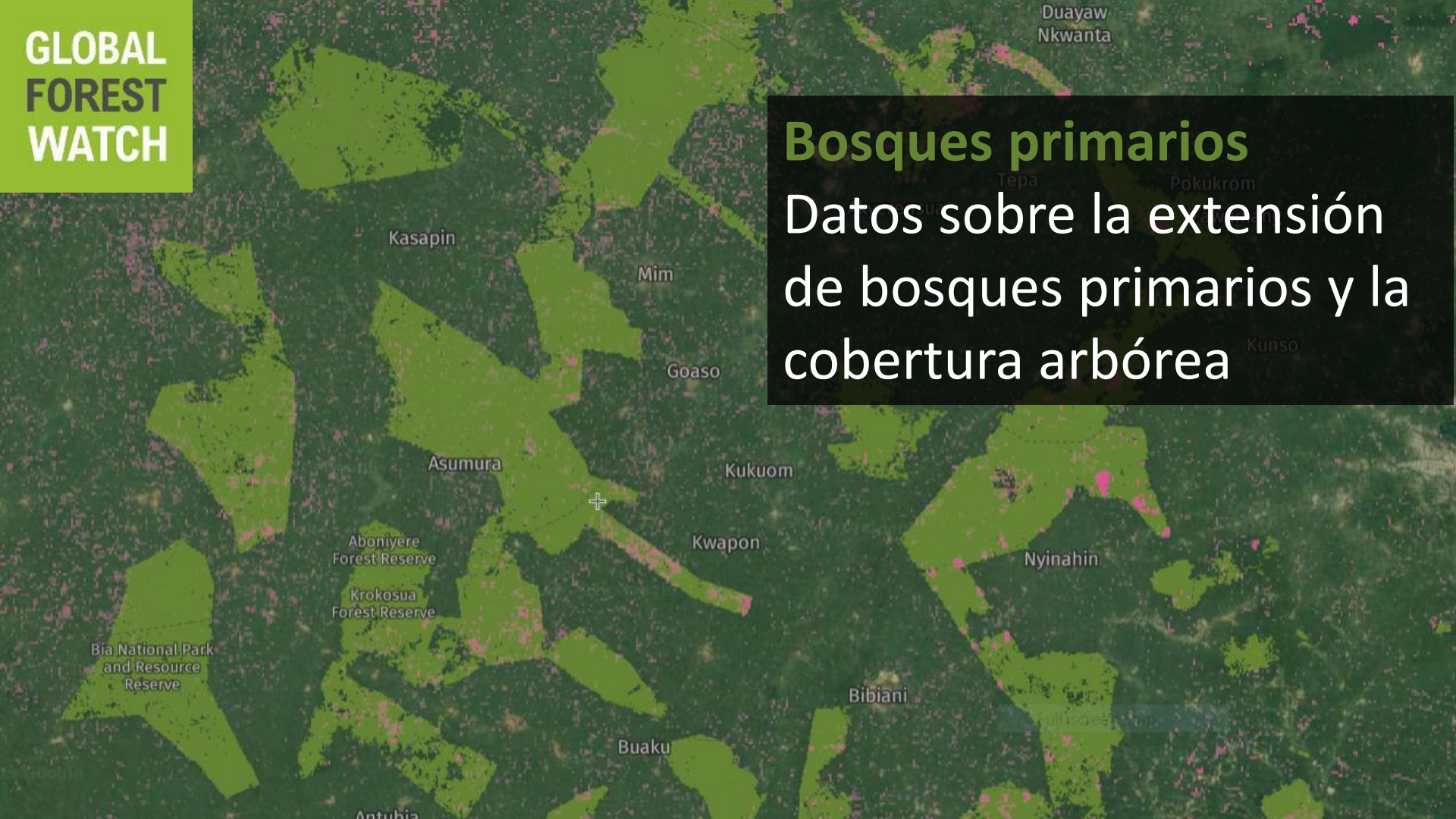
UGANDA

Uganda protected areas

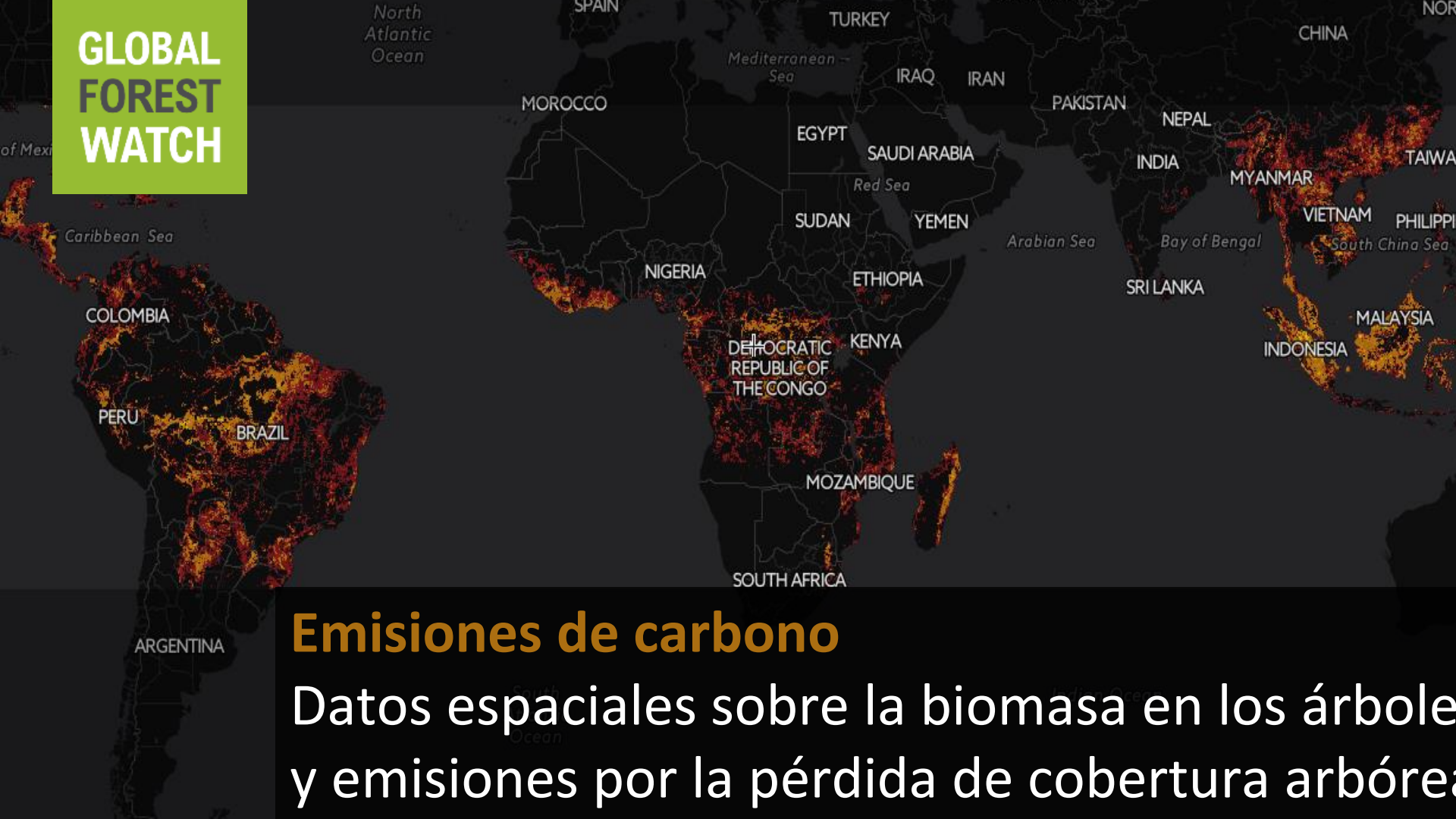
Otra información para contextualizar el cambio de los bosques...

## **Bosques primarios**

Datos sobre la extensión de bosques primarios y la cobertura arbórea

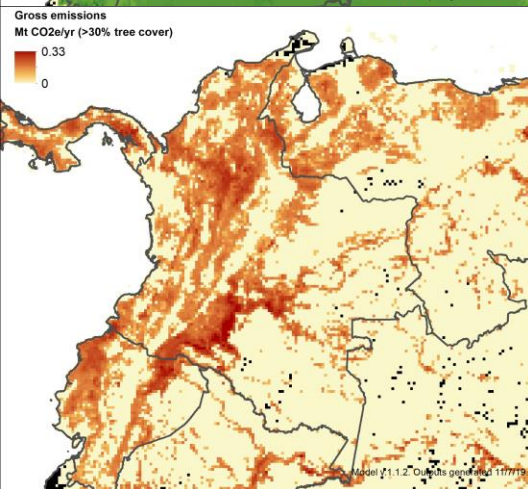
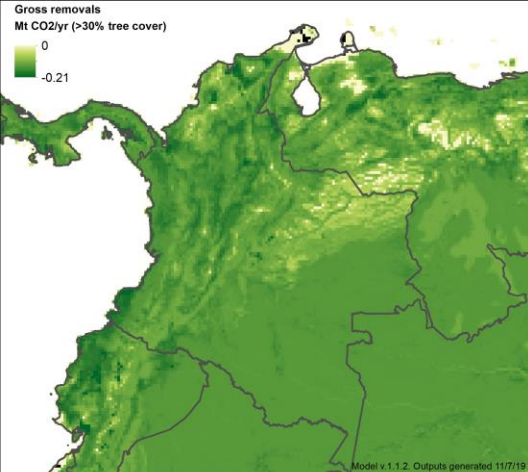


# GLOBAL FOREST WATCH

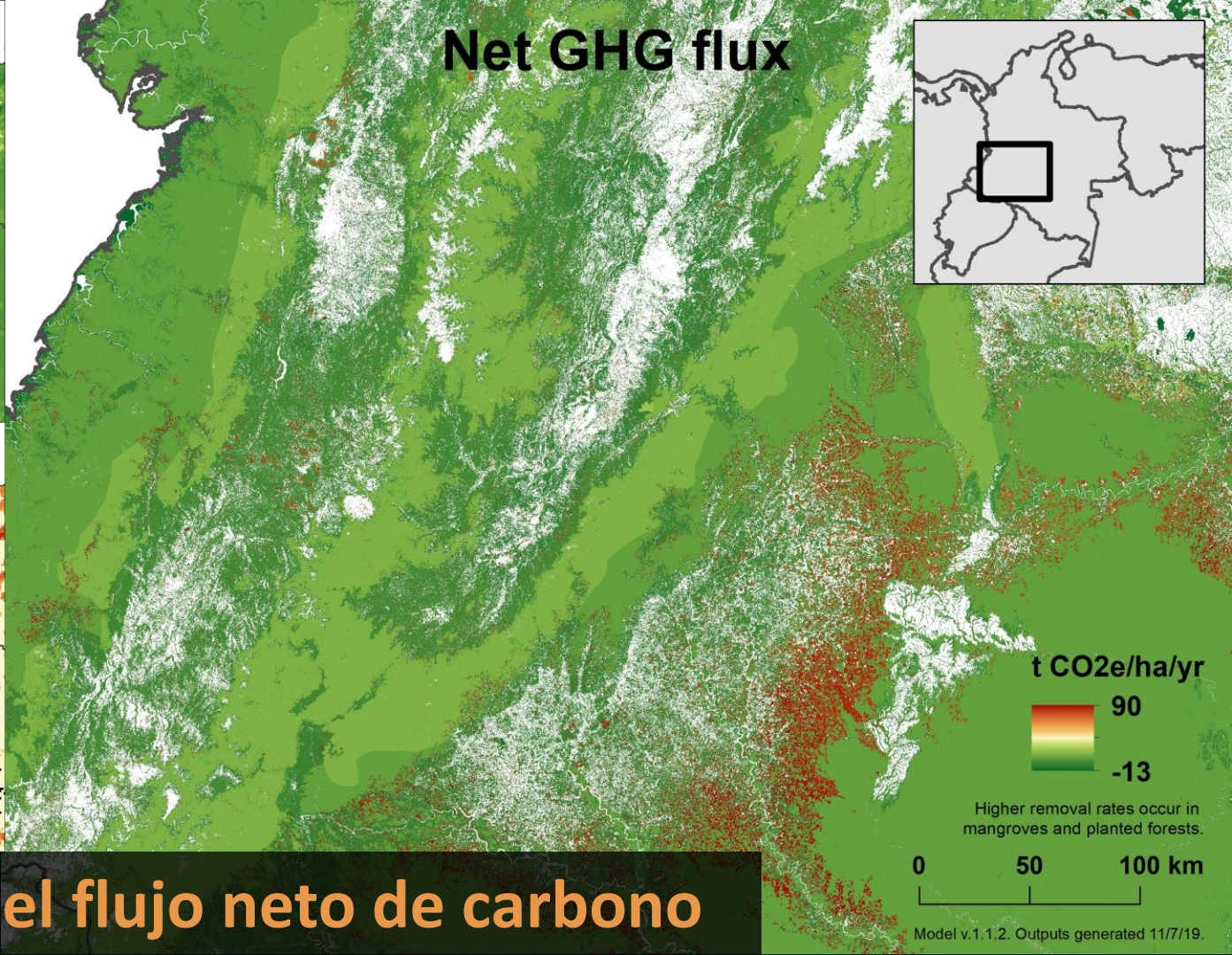


## Emisiones de carbono

Datos espaciales sobre la biomasa en los árboles y emisiones por la pérdida de cobertura arbórea



# Net GHG flux



Nuevos datos del flujo neto de carbono



LEYENDA

ANÁLISIS

ANÁLISIS DE ÁREA  
PERSONALIZADO

ÁREA SELECCIONADA

158kha

TREE COVER - 2000 with >30% canopy density

134kha

TREE COVER LOSS (2001 to 2016) with >30% canopy density

2.73kha

TREE BIOMASS DENSITY with >30% canopy density

32.2Mt total biomass

204t Ha<sup>-1</sup> biomass density

Este algoritmo aproxima los resultados al tomar el área seleccionada como muestra. Los resultados se hacen más precisos al acercar la imagen.

SUSCRIBIRSE



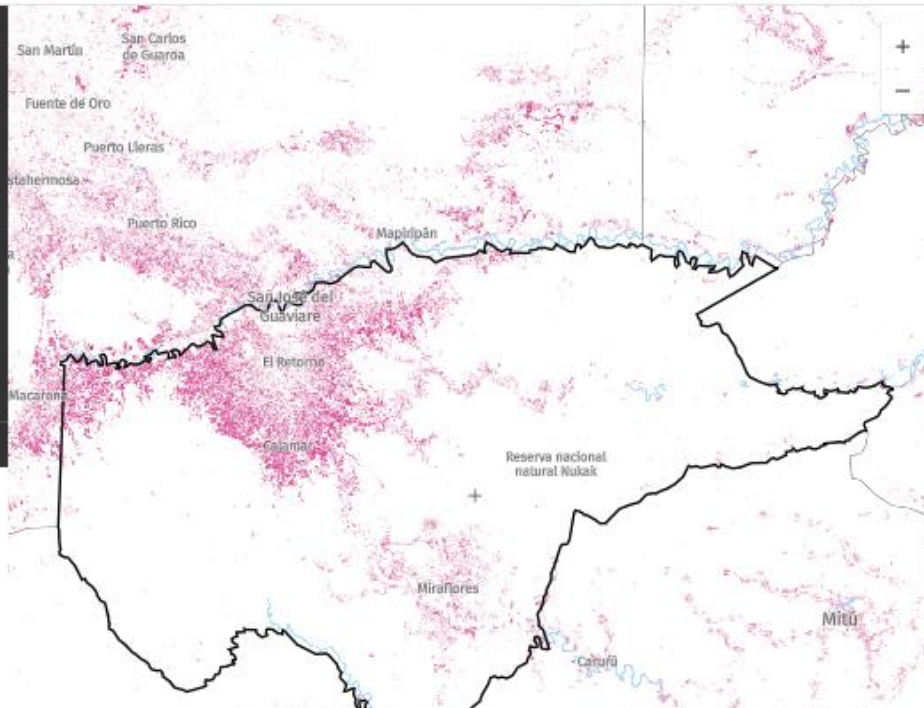
Mapa interactivo

Para fácilmente explorar y analizar los datos para lugares específicos

- ✓ Colombia
- ✓ Guaviare
- ✓ Seleccione un...

In 2010, **Guaviare** had **5.27Mha** of tree cover, extending over **95%** of its land area. In **2018**, it lost **44.2kha** of tree cover, equivalent to **19.4Mt** of CO<sub>2</sub> emissions.

RESUMEN CUBIERTA TERRESTRE CAMBIO FORESTAL BIODIVERSIDAD USO DE TIERRAS CLIMA



TREE COVER LOSS IN GUAVIARE

MOSTRAR EN EL MAPA

From **2001 to 2018**, **Guaviare** lost **291kha** of tree cover, equivalent to a **5.5%** decrease in tree cover since **2000**, and **126Mt** of CO<sub>2</sub> emissions.



100% extensión de la cobertura arbórea | >10% de densidad arbórea | Estas estimaciones no toman en cuenta la ganancia de...

**Paneles de control**  
 Para ver estadísticos para departamentos y municipios

# Global Forest Watch para el mercado de carbono

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## **Alertas GLAD**

- \* Cobertura tropical
- \* Resolución de 30-metros
- \* Actualizadas cada semana

## Alertas de Incendios VIIRS

- \* Cobertura global
- \* Resolución de 375-metros
- \* Actualizada cada 12 horas

## Forest Change Alerts

Global Forest Watch detected **240 new forest change alerts** within your area:

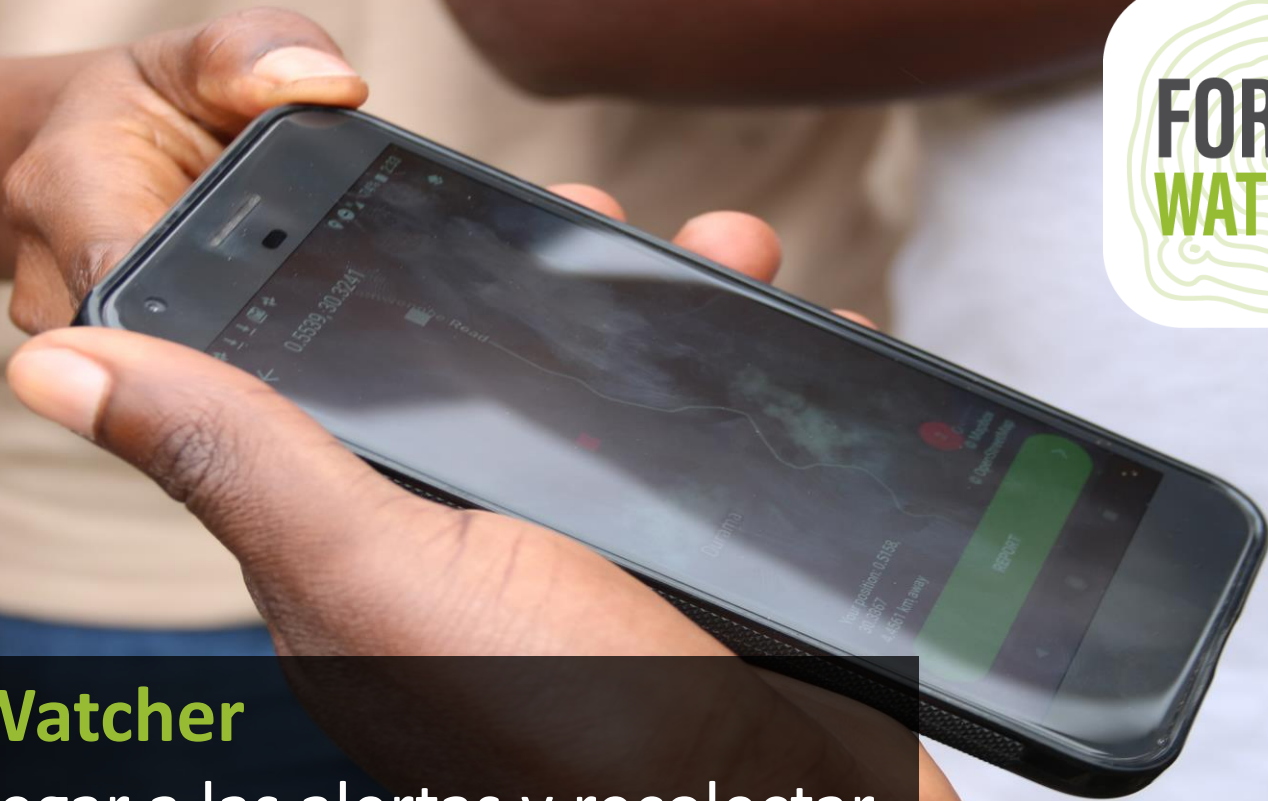
NAME	Aceh
SELECTED AREA	Custom Area
NEW ALERTS	240
TYPE OF ALERT	Weekly GLAD deforestation alerts
DATE OF ALERTS	2019-09-14 to 2019-09-20
SUMMARY	Identifies areas of likely tree cover loss in near-real time at a 30 x 30 meter (Landsat) resolution. Coverage: various countries, eventually to cover the humid tropics. Source is UMD/GLAD. Available data from January 1, 2015-present, updated weekly.

### 10 Most Recent Alerts

LATITUDE	LONGITUDE	DATE
<a href="#">VIEW</a>		
<a href="#">DOWNLOAD CSV</a>		

## Subscripciones

Para recibir noticias por nuevas alertas en su área



**Forest Watcher**  
Para navegar a las alertas y recolectar información fuera de conectividad

# GLOBAL FOREST WATCH PRO

22 Cattle investments Brazil MT Q2 2018

UPDATE EDIT SHARE

Brazil  
Countries included

View Diagnostic

View Map

VIEW FOREST CHANGE

COMMODITY RISK



SELECT COLUMNS

CLEAR FILTERS

0 FILTERS

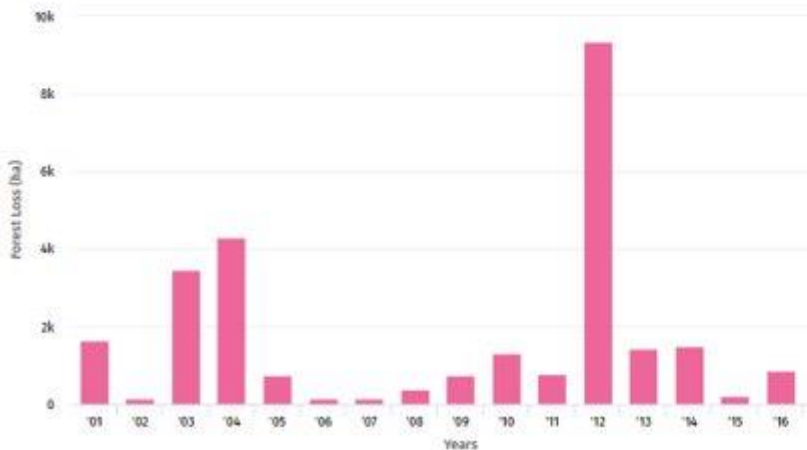
TREE COVER LOSS (ALL YEARS) HA

All	Site ID	Size ha	Commodity	State	Tree Cover Extent ha	Total	Protected Areas	Primary Forest
<input type="checkbox"/>	17	19,584	Cattle	Mato Grosso	18,995	10,824	0	--
<input type="checkbox"/>	6	8,010	Cattle	Mato Grosso	7,946	4,515	0	--
<input type="checkbox"/>	5	8,010	Cattle	Mato Grosso	7,946	4,515	0	--
<input type="checkbox"/>	8	29,811	Cattle	Mato Grosso	25,051	3,154	0	--
<input type="checkbox"/>	7	29,811	Cattle	Mato Grosso	25,051	3,154	0	--
<input type="checkbox"/>	3	22,334	Cattle	Mato Grosso	20,199	3,099	0	--
<input type="checkbox"/>	4	22,396	Cattle	Mato Grosso	20,178	3,078	0	--

DIAGNOSTIC FOREST CHANGE COMMODITY RISK

## Sensitive Areas

LOSS OF FORESTS



## Global Forest Watch Pro

Para monitorear un portafolio de áreas en un ambiente seguro





En fin...

Global Forest Watch no va a sustituir a métodos mas detallados para medir el carbono en bosques tropicales, pero puede ser muy útil para el mercado de carbono.

- Gratis
- Fácil de acceder y usar
- Información a nivel tropical

**GLOBAL  
FOREST  
WATCH**

[www.globalforestwatch.org](http://www.globalforestwatch.org)  
[mweisse@wri.org](mailto:mweisse@wri.org)

Photo: Nanang Sujana/CIFOR