



WORLD
RESOURCES
INSTITUTE

GLOBAL FOREST WATCH

RADICAL TRANSPARENCY FOR FOREST LANDSCAPES

1 DECEMBER 2015

THE PLATFORM

- Open data, open source
- Innovative data visualization
- Simple to use, easy to understand
- Interactive (analyze, share, network)
- Multi-lingual
- Online & offline
- Mobile connectivity

Find out what is happening in forests right now



Join the community



Analysis & alerts



Submit your story

THE INITIATIVE

- Transforming information into transparency and action
- Working directly with governments, NGOs, and companies to apply data
- Supporting a wide network of researchers and advocates
- Encouraging awareness, engagement, and empowerment at the individual and community level
- Promoting innovation, collaboration, and “app” development

CORE PARTNERS:



ADDITIONAL PARTNERS & COLLABORATORS:

**Bobolink Foundation | Climate and Land Use Alliance | Food and Agriculture
Organization of the United Nations (FAO) | DANIDA | NASA Ames Research Center |
Netherlands Ministry of Foreign Affairs | Planet Labs | Rainforest Foundation UK (RFUK) |
Swedish International Development Cooperation Agency**

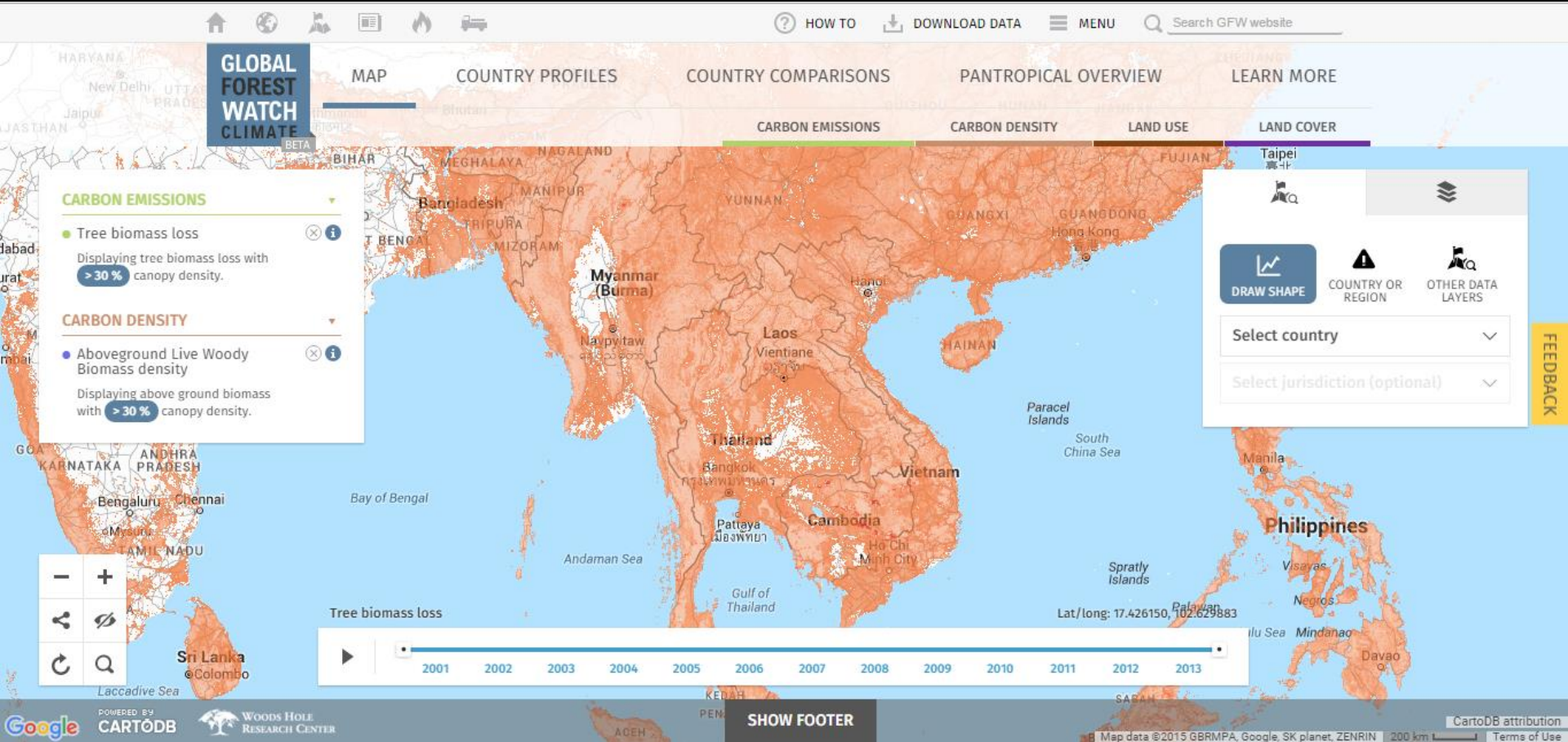
GLOBAL FOREST WATCH APPLICATIONS

**GLOBAL
FOREST
WATCH**

**GLOBAL
FOREST
WATCH**
COMMODITIES

**GLOBAL
FOREST
WATCH**
CLIMATE

**GLOBAL
FOREST
WATCH**
FIRES



GFW FIRES



GLOBAL FOREST WATCH FIRES BETA VERSION

HOW TO DOWNLOAD DATA MENU Search GFW website SELECT LANGUAGE

GFW FIRES MAP DATA LEARN MORE STORY

Get Fires Analysis

Latitude/Longitude: 7.8198, 123.5254

Sign up for alerts

Fires

NASA active fires (past 7 days, 1km, global)

Past Week

Past 72 hours

Past 48 hours

Past 24 hours

Only show high confidence fires

View fire points as:

Forest Use

Conservation

Land Cover

Air Quality

Imagery

Social Media

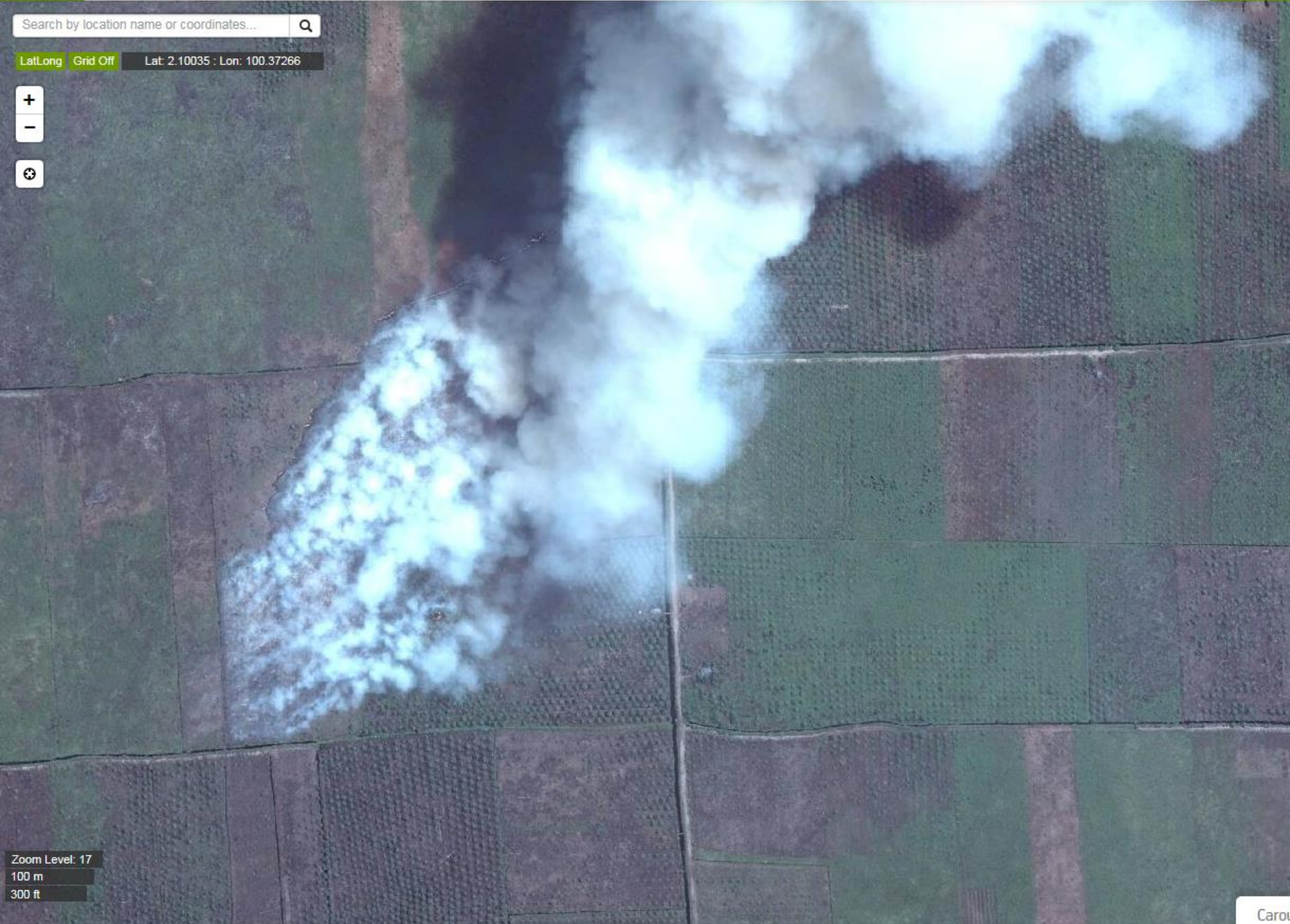
Powered by Esri, DeLorme, FAO, USGS, NOAA

Legend



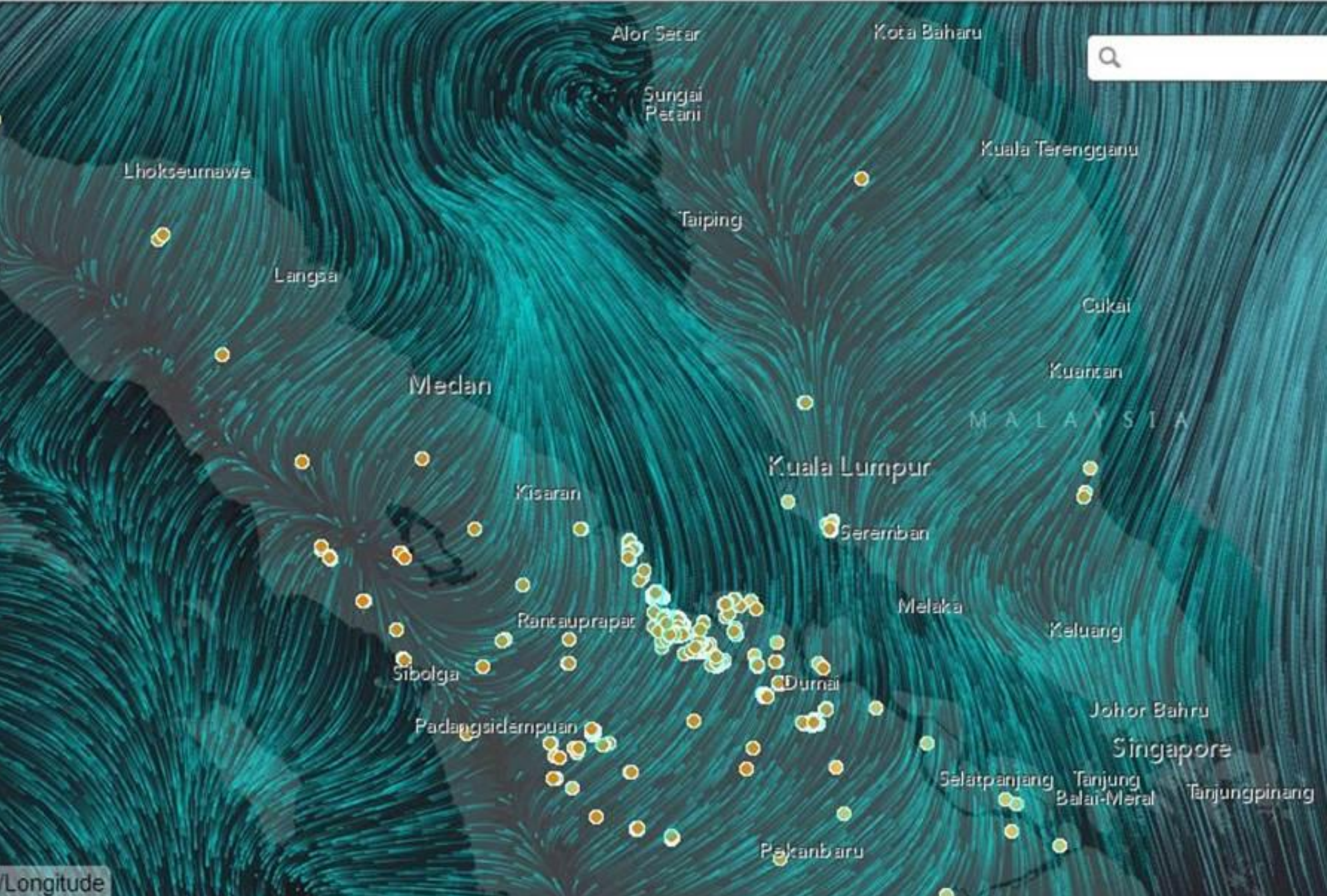
Search by location name or coordinates...

Lat: 2.10035 Lon: 100.37266



Zoom Level: 17
100 m
300 ft


Caro



EXAMPLE: KACHIN PROVINCE, MYANMAR

Myanmar

KACHIN



TREE COVER (2000)
8 MHa

PERCENT TREE COVER (2000)
88 %


TREE COVER LOSS (2001 - 2014)
240,613

TREE COVER GAIN (2001 - 2012)
45,149 Ha

Displaying tree cover and loss with >30% canopy density

NOTE: tree cover loss and gain statistics cannot be compared against each other. [Learn more](#)

TREE COVER LOSS (2001 - 2014)



ANALYZE FOREST CHANGE

VIEW COUNTRY DATA LAYERS

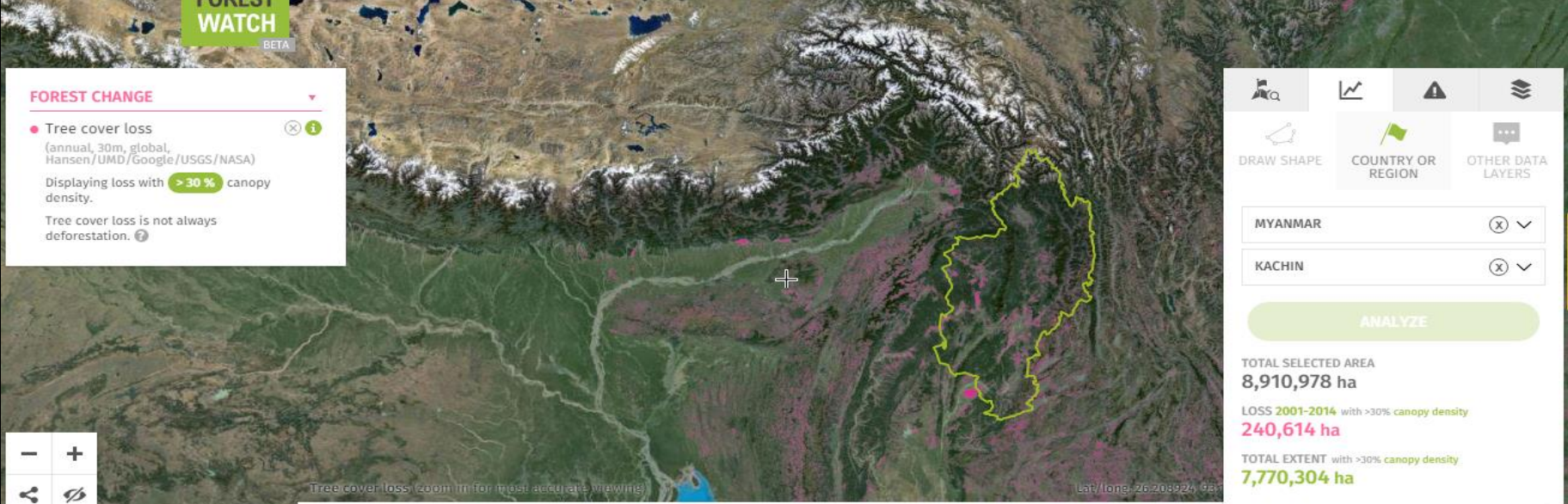
BROWSE AND DOWNLOAD COUNTRY DATA

DOWNLOAD TREE COVER STATS

GLOBAL FOREST WATCH BETA

HOW TO | DOWNLOAD DATA | MENU | Search GFW website | SELECT LANGUAGE

FOREST CHANGE | LAND COVER | LAND USE | CONSERVATION | PEOPLE | STORIES | MYANMAR LAYERS



FOREST CHANGE

- Tree cover loss (annual, 30m, global, Hansen/UMD/Google/USGS/NASA)
- Displaying loss with > 30 % canopy density.
- Tree cover loss is not always deforestation.

DRAW SHAPE

COUNTRY OR REGION

OTHER DATA LAYERS

MYANMAR

KACHIN

ANALYZE

TOTAL SELECTED AREA
8,910,978 ha

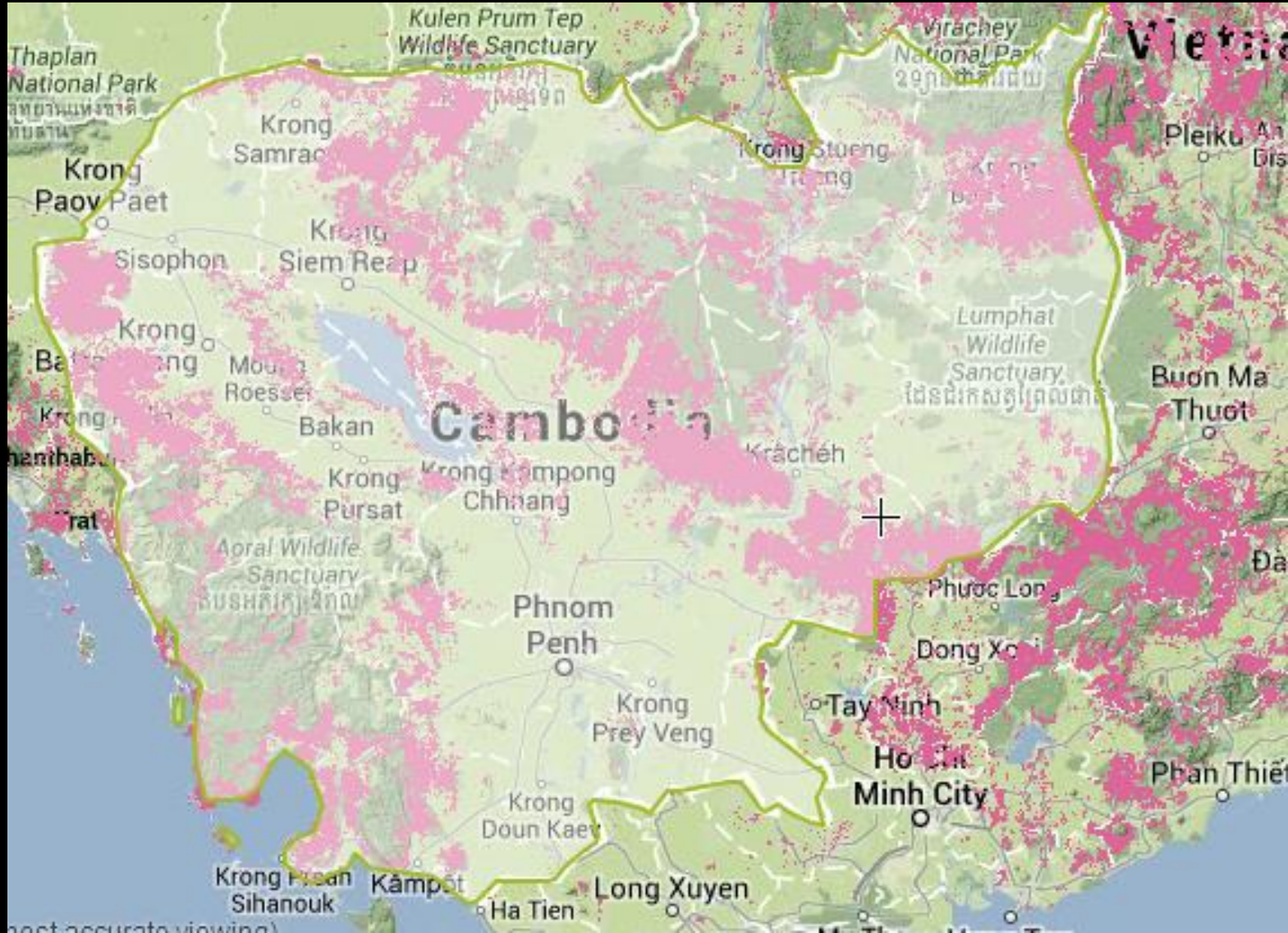
LOSS 2001-2014 with >30% canopy density
240,614 ha

TOTAL EXTENT with >30% canopy density
7,770,304 ha

Tree cover loss (zoom in for most accurate drawing)

2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014

EXAMPLE: TREE COVER LOSS, CAMBODIA



TREE COVER LOSS, CAMBODIA, 2000-2014



*in hectares

SUMMARY

- Transparency is here to stay – interpretations vary, but it is now very hard to get away with lying - communities can take control of their own information, too.
- Satellite imagery shows tree cover loss in near-real time on a very detailed level
- Governments should be using this data to fight illegal deforestation and fires and for sustainable forest management
- Be cautious of tied aid for expensive remote sensing – much is available inexpensively and on an open source basis.