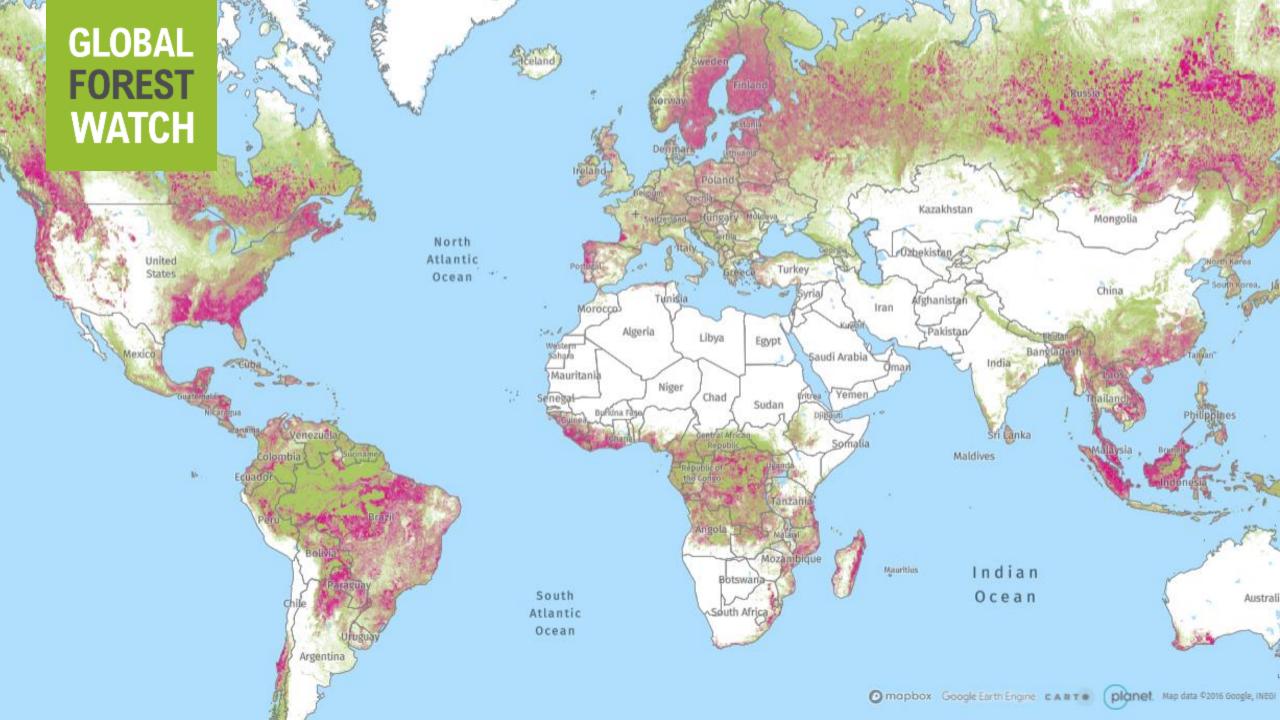
## Remote sensing and deforestation alerts Mikaela Weisse, WRI June 24, 2021



# Technical Updates

- 1. Improved deforestation alert products
- 2. Increased access to regularly updated, high-resolution imagery
- New research into detecting selective logging and other drivers



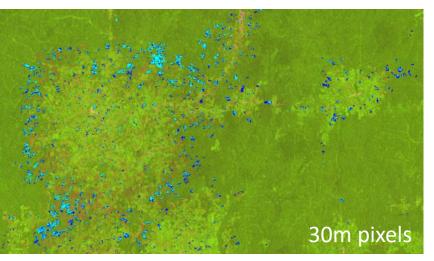




#### **GLAD (Landsat)**

Pan-tropical (30°N - 30°S) All tree cover

~8 day updates, but affected by clouds



#### **GLAD-S2** alerts

Loreto, Peru December 2019 – February 2021

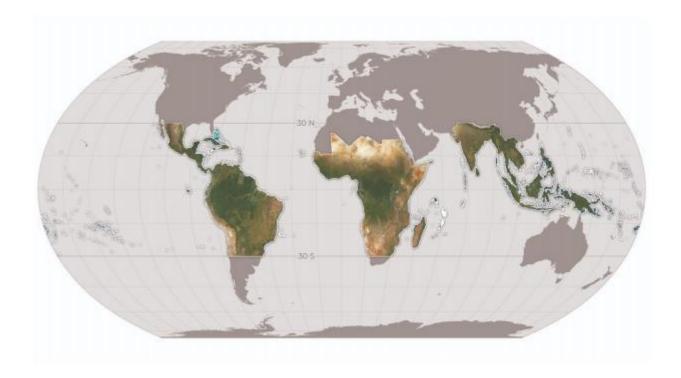
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**2 1 1 1** 

#### **RADD alerts** Central African Republic January 2019 – December 2020

-

## High-resolution imagery: NICFI Data Program



- Monthly mosaics from Sept 2020, historical biannual mosaics starting in 2016
- 5-meter resolution
- Pan-tropical coverage
- Freely available for viewing (e.g. on GFW) and download
- Through Sept 2022, with potential for 2-year extension

AIRBUS



Norwegian Ministry of Climate and Environment







### June-August 2020

# September 2020

### December 2020

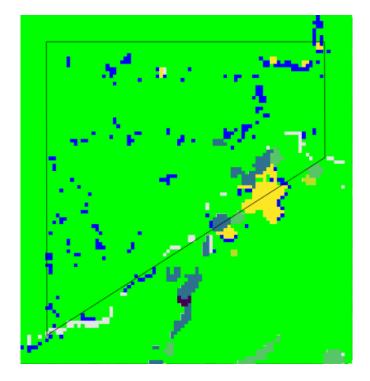
#### March 2021

Planet mosaic Central Kalimantan, Indonesia 100

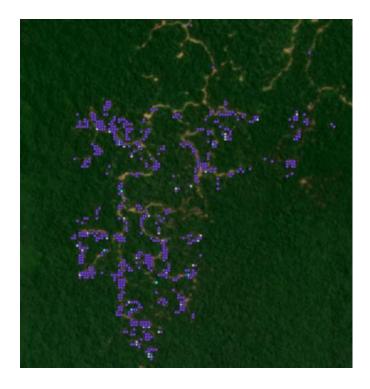
### April 2021

#### May 2021

### In-progress research







Detection of selective logging within forest concessions



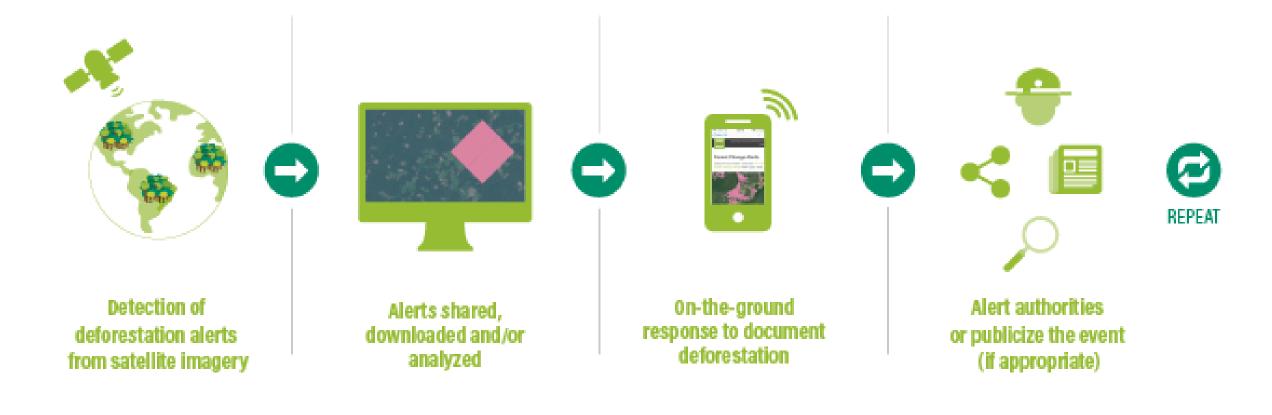
Refinement of global data on annual forest loss drivers



Near-real-time mapping of alert drivers



## Workflow for Following-up on Deforestation Alerts



bit.ly/EWsystems



WORLD RESOURCES INSTITUTE

### Today's panel

Tom Bewick, Rainforest Foundation US

Ildefonzo Riquelme, OSINFOR

Benita Nathania, WRI Indonesia