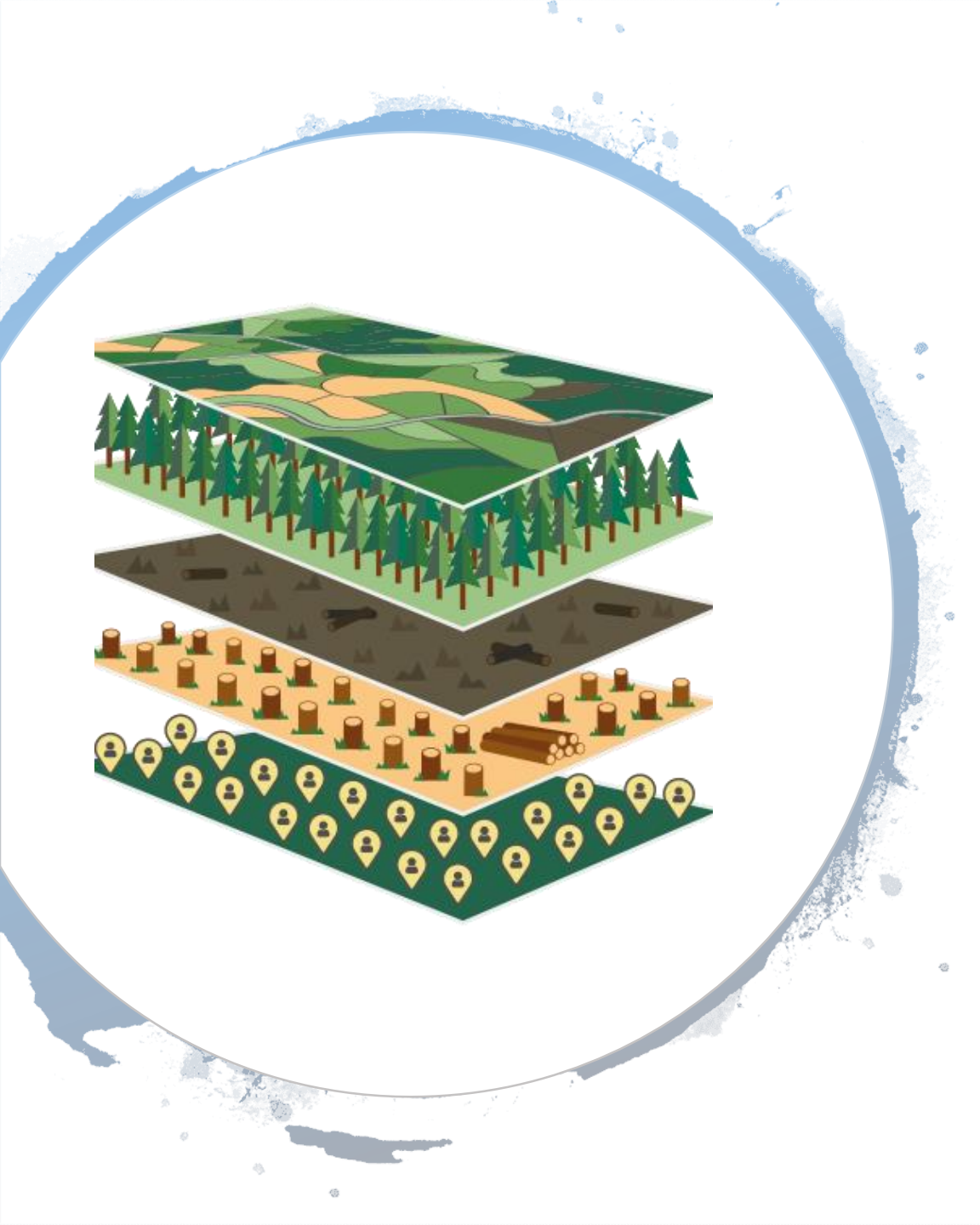


# Leveraging Daily Satellite Imagery to Monitor our Most Valuable African Resource – Forests

Africa GIS 2019  
Michael Breetzke





# PRESENTATION OUTLINE

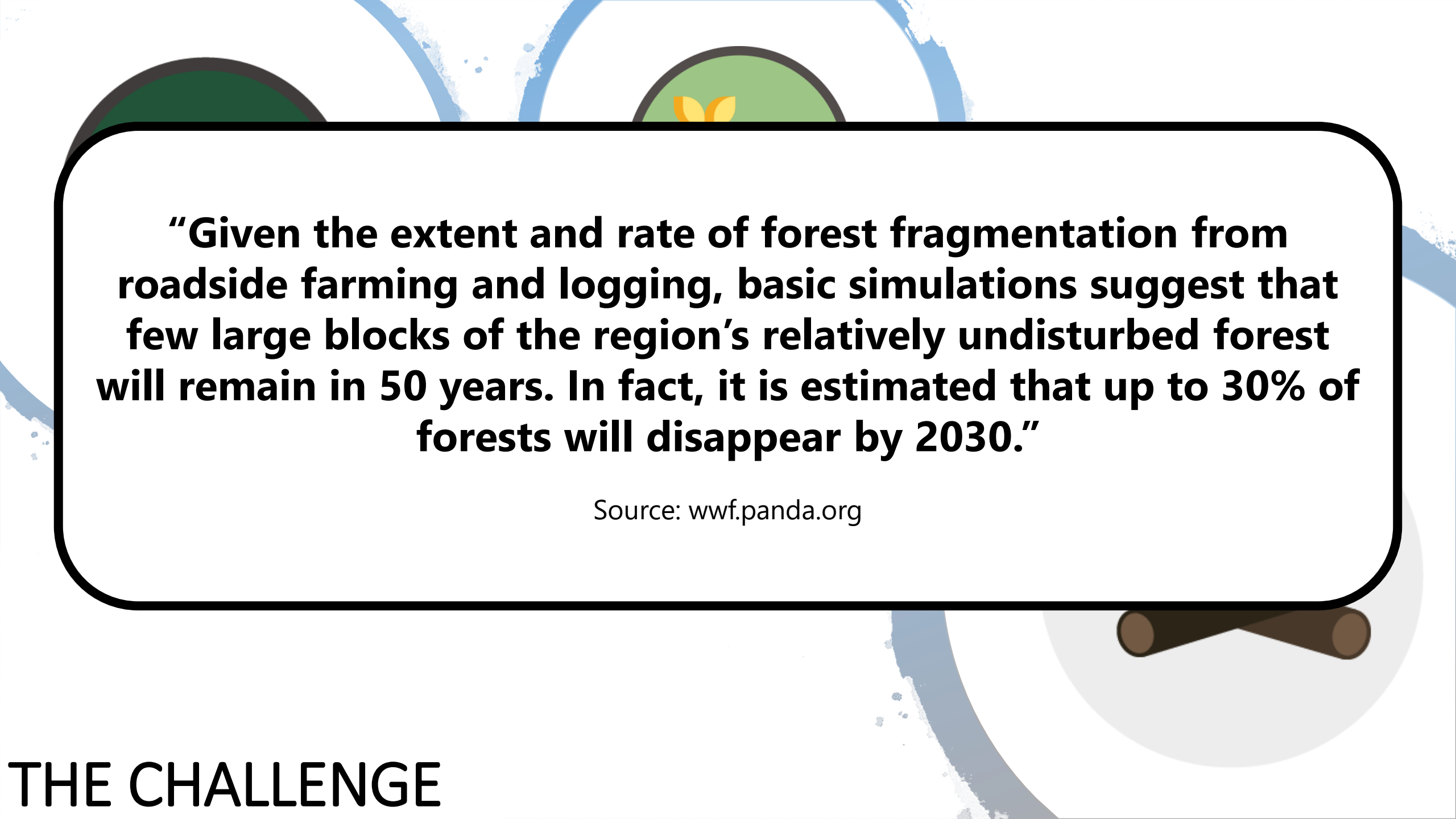
- Technology Partners
- The Challenge
- Active Projects
- Imagery Options
- Streamlining
- Way Forward



planet.

See Change.  
Change the World.

TECHNOLOGY PARTNERS



**“Given the extent and rate of forest fragmentation from roadside farming and logging, basic simulations suggest that few large blocks of the region’s relatively undisturbed forest will remain in 50 years. In fact, it is estimated that up to 30% of forests will disappear by 2030.”**

Source: [wwf.panda.org](http://wwf.panda.org)

**THE CHALLENGE**

AFR100 (the African Forest Landscape Restoration Initiative) is a country-led effort to bring 100 million hectares of land in Africa into restoration by 2030.

AFR100 contributes to the Bonn Challenge, the African Resilient Landscapes Initiative (ARLI), the African Union Agenda 2063, the Sustainable Development Goals and other targets. Follow #AFR100

#### COMMITMENT TRACKER



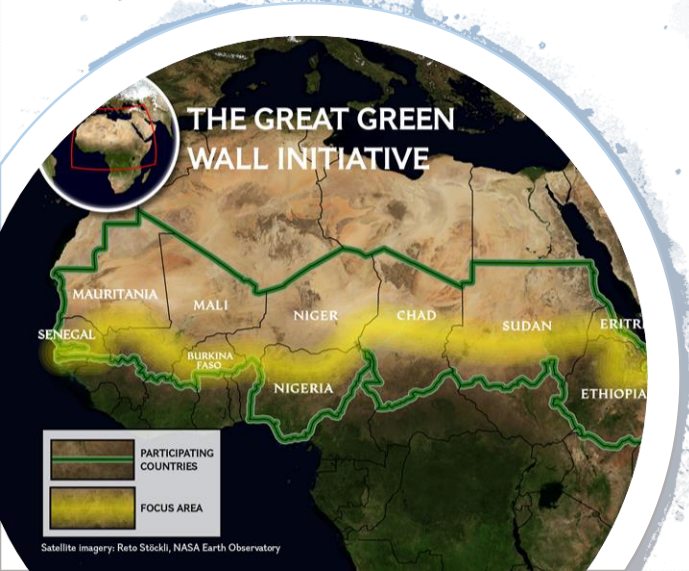
**100M Ha by 2030**

**75M Trees by Sep 2020**


**GLOBAL PEACE  
WILL PLANT  
5 MILLION TREES  
ACROSS  
COUNTRIES**

**8 000km by 2030**

**ACTIVE PROJECTS**





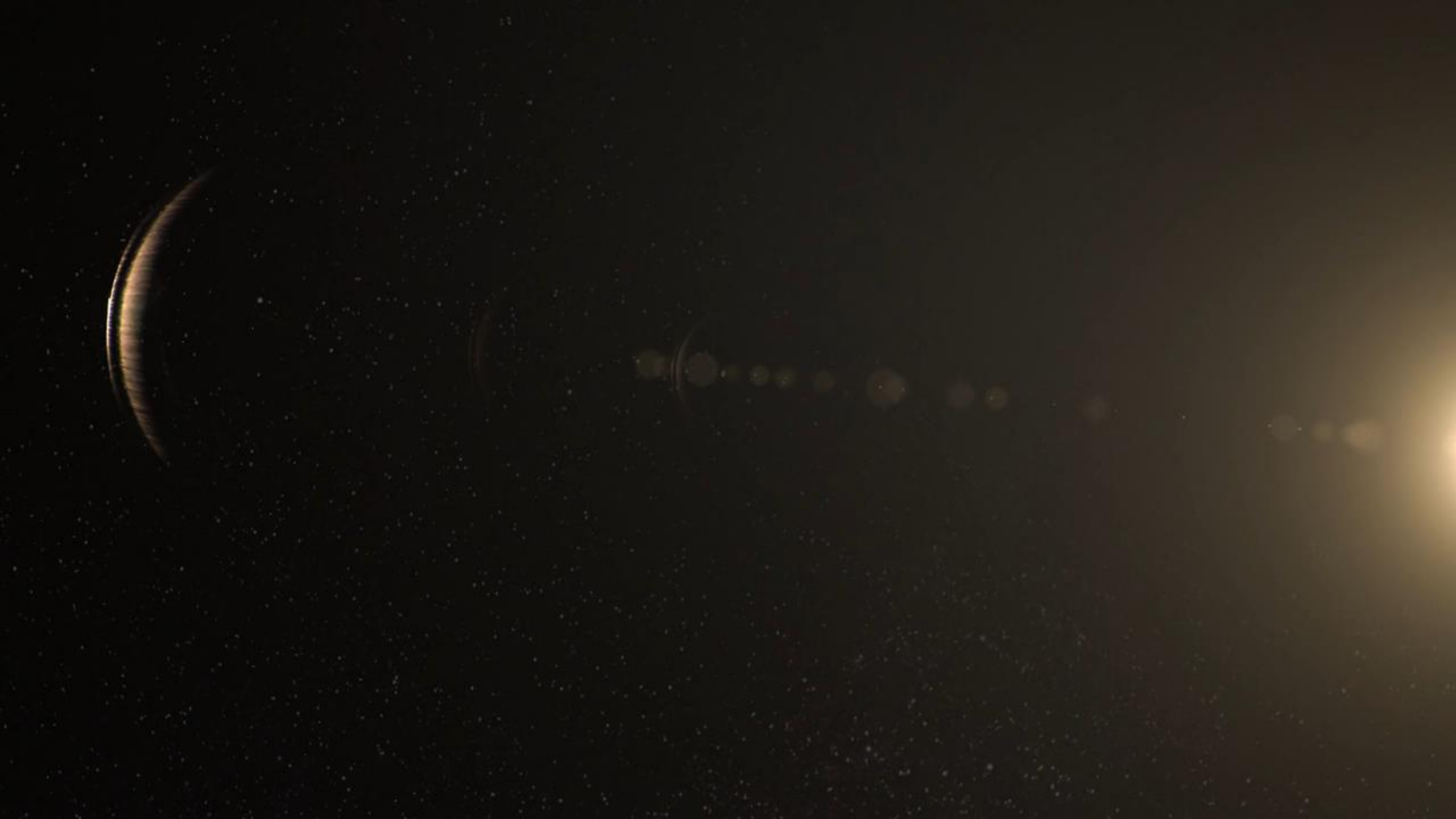
A satellite map of the African continent is shown with a torn paper edge effect. The map displays various geographical features, including the Sahara Desert in the north, the Congo Basin in the center, and the Great Rift Valley running through the east. The text "YOU CAN'T MONITOR WHAT YOU CAN'T SEE" is overlaid in the center of the map in a white, outlined, sans-serif font.

YOU CAN'T MONITOR  
WHAT YOU CAN'T SEE





IMAGERY OPTIONS







2017.11

© Planet Labs, Inc.

# STREAMLINING



Total Ha  
🌲 78,405.15 Ha

Last update: a minute ago

Total Weekly Harvest  
🌲 804.062 Ha

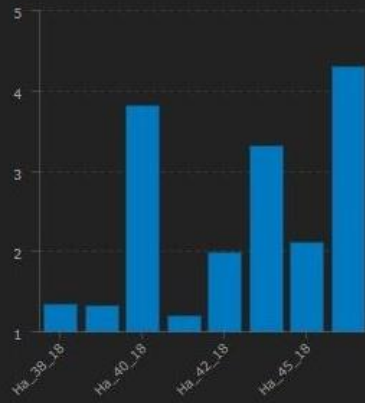
Last update: a minute ago

Harvest Progress



Last update: a minute ago

Harvesting Tracker



Harvesting Tracker

Last update: a minute ago

Weekly Ha

5.433 Ha Weekly  
7.173 Ha Total

Last update: a few seconds ago

🌲 0 Age

Last update: a minute ago



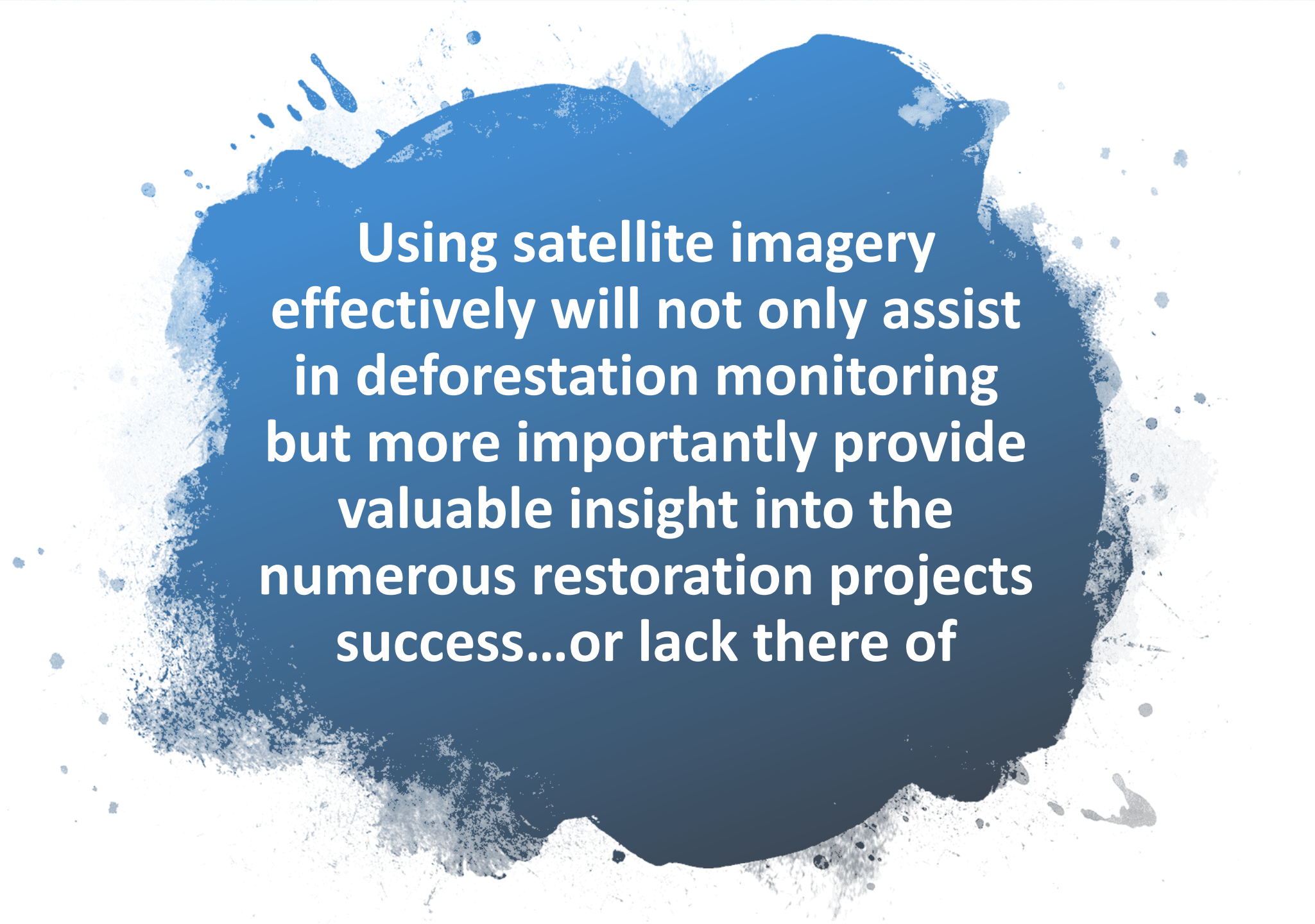
Last update: a few seconds ago

# STREAMLINING



**STREAMLINING**





**Using satellite imagery  
effectively will not only assist  
in deforestation monitoring  
but more importantly provide  
valuable insight into the  
numerous restoration projects  
success...or lack there of**



THANK YOU