Measure in order to manage: Addressing deforestation risks with Global Forest Watch Pro

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Global, real-time DEFORESTATION tracking using satellite technology

Example: Week-by-week expansion of illegal logging road in Peru

It is not about just buying high resolution imagery, it is about training the computer to identify changes for true scalability.

....we focus on cost-efficient data solutions with large geographic coverage through partnership arrangements.
High res imagery can then be used for additional info

Development of a new radar-based deforestation alert system

- Partnering to create an automated, publicly available alert system for all of Indonesia and Malaysia, integrated into GFW
- Based on free of charge Sentinel – 1A and B radar data
  - Regular and consistent observations every 6-12 days
  - Penetrates cloud cover → No information gaps
  - High spatial detail (10m)
  - Data continuity: 10+ years data guarantee
Example: 237 observations
Siak, Riau, Indonesia 2014 - 2018

Online this week!
The Universal Mill List

- 1,815 mills across 26 countries
- Developed by WRI, Rainforest Alliance, Proforest and Daemeter
- Data integrated from numerous company submissions, RSPO and its members, FoodReg
- Verified using high resolution imagery and standardized methodology
- Cross-referenceable “Universal IDs”
- Publicly available → hosted on Global Forest Watch, PalmTrace, GeoRSPO
COUNT IT
We collected data

Commodity related datasets made available in platforms (eg: palm oil mills, concessions)

Methods created for supply chain assessments (eg: PALM risk tool)

CHANGE IT
We partnered with organizations to apply this data to their operations and test use cases

SCALE IT
Once the strategy was successful, we looked in ways to scale it up

What if everyone, everywhere could do it, without depending on us?

Concept note launched at WEF 2017, led to the creation of

GLOBAL FOREST WATCH PRO
Putting this technology to work for agricultural supply chains

Upload
Create a portfolio of your sourcing or investment locations in GFW Pro. Upload or select from GFW-provided locations.

Analyze
See tailored risk analysis, actively monitor for issues, and assess progress towards commitments using forest insights from satellite imagery.

Collaborate
Share secured data & insights with colleagues, suppliers and customers through the platform.

Decide
Prioritize locations for management actions to achieve internal policies or sustainability commitments.
GFW Pro is the delivery mechanism to get geospatial data in the hands of the right actors.

GFW Pro: why is it different?

- Portfolio level
- Dashboard
- Protected login
- Workflow / share
Example:
Portfolio analysis
- Upload and analyze full portfolio all at once
- See locations and where trees are being lost
- Track deforestation over time

Learn more at pro.globalforestwatch.org

Example:
Commodity Risk Tool
- Assess a mill's deforestation risk based on the surrounding area
- Understand individual threat and value levels
- Track trends in risk and deforestation over time

Learn more at pro.globalforestwatch.org
Example:
Alert Dashboard

Near real time alerts for tree cover loss and fire for a list or portfolio

Choose timeframe

Interactive map to prioritize areas with highest density of alerts

Contextualize where alerts are happening

Track alert history over time

Examples of real use cases
CEO of Cargill at the company's Report on Forests

We partnered with World Resources Institute's Global Forest Watch to map 1,918 Cargill sourcing areas for cocoa, palm and soy across 14 countries to establish a baseline for tree cover loss as of 2014 that we can use to help measure and track our progress against our implementation plans.

David MacLennan
Source: Cargill Report on Forests

HCV & NPP Mapping and Monitoring

- Digitize RSPO NPP and HCV areas
- Upload into private accounts in GFW Pro
- Develop a protocol for monitoring and responding to alerts
- Engage with RSPO members to use the system to monitor to their own areas
- Discussions underway to revamp fire monitoring protocol for all RSPO member concessions
Collaborative monitoring and response at the landscape/district level

• Mobilize “consortiums of the willing” for pilot districts in Indonesia
  – Private sector, implementation partners & government

• Identify and deliver alerts that matter most for the pilot areas

• Collaboratively verify alerts for more efficient use of resources

• Align on and implement coordinated interventions for maximum impact

• Evaluate the impact of interventions, refine and scale

Vision for the future

GLOBAL FOREST WATCH PRO

INPUT

- SUB-NATIONAL JURISDICTIONS
- SUPPLY SHEDS
- SHAPE FILES

EVALUATE

- DEFORESTATION
- PROTECTED AREAS
- FIRES
- MORE!

FUTURE

- GHG EMISSIONS
- WATER RISKS
- RESTORATION
- SOCIAL RISKS
- MORE…
Change by empowering the private sector to take action:

Learn more at pro.globalforestwatch.org