FOREST ALERT SERVICE

Forest Alert Service (FAS)
Providing forestry, resource, and environmental organizations with reliable monitoring of plantation harvesting, selective logging, clear cutting, and natural forest degradation, with near real-time alerts that enable rapid response.

Features

- **Reliable monthly monitoring with no impact from cloud cover:** The RADARSAT-2 satellite’s Synthetic Aperture Radar (SAR) sensor collects imagery through clouds, enabling monthly monitoring during all seasons and any weather.

- **Near real-time delivery of operationally useful information:** Rapid delivery of forest alerts for selective logging, encroachment, new road construction, harvesting, and natural forest degradation enables your operations team to respond faster.

- **Insight at scale:** Coverage of forest areas of any scale, from a few plantations to the entire Amazon rainforest, enables your team to more effectively allocate resources and conduct field activities.

- **Independent, accurate and auditable information:** Allows for validation of compliance with your organization’s internal requirements and external commitments.

- **Plug-and-play GIS-ready:** Available in various common GIS formats, Forest Alert Service (FAS) deliverables are easily integrated with your existing operational workflows.

Benefits

Monitor, report, and verify your organization’s compliance to sustainable forest management commitments

React early to degradation of your forest carbon assets around the world through routine, timely and accurate monitoring

Verify plantation harvesting activities against harvest planning cycles, from a single, trusted and independent source

Broad-area satellite monitoring overcomes traditional logistical challenges in forest management, delivering rapid, tactically useful information to your team

SUSTAINABLE FOREST MANAGEMENT

FAS provides early detection of deforestation to identify subtle forest changes related to sustainability practices

CARBON ASSET MONITORING

FAS monitors forest carbon assets globally to detect changes in forest cover, providing insight on changes in carbon stock value for decision makers

HARVEST MONITORING

FAS is used to independently verify harvesting activities by plantation operators in comparison to the planning cycle
**Standard deliverables**

**Change alerts**

Geocoded shapefile with attributes (date, area, damage weight, etc.) delivered electronically, in near real-time, every 24 days.

**Optional deliverables**

**Forest change analytics**

In-depth analysis of detected changes from expert geospatial analysts using high resolution satellite imagery and other data. Example: palm plantation tree growth and tree gap analysis.

**DELIVERY OPTIONS**

- FTP push
- ESRI endpoint

**BUNDLE WITH SECUREWATCH**

For customers who require high resolution, easy-to-interpret optical imagery for analysis of forest change, bundle FAS with a subscription to SecureWatch, a web-based platform, to stream and download imagery with global coverage.