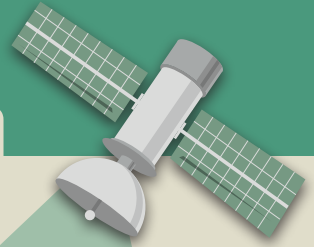


# Forest Observation

Satellite Scan Solutions



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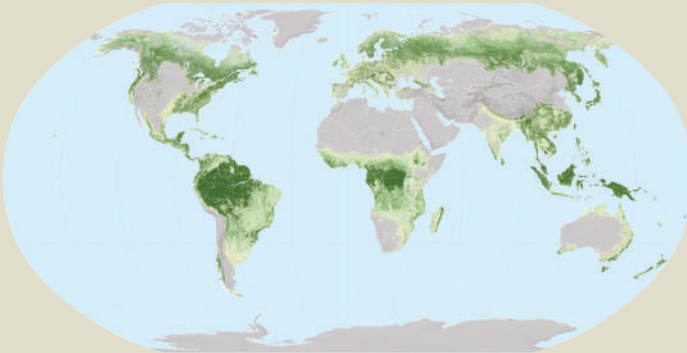
Forests are an important global resource that human populations depend on for wood, air quality, recreation and many other uses.



They also serve as habitats for millions of plant and animal species.



Both commercial and non-commercial forestry utilize a particularly diverse range of remote sensing applications.



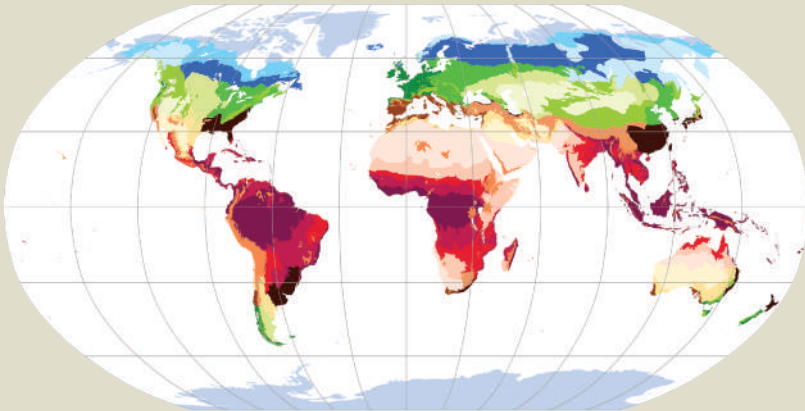
Tree cover density (%)



Using remote sensing, foresters can get more accurate and cost-effective information, and can directly observe as large an area as necessary. Due to the versatility and scale of remote sensing, it is invaluable in all stages of forest management, including mapping forests for monitoring and management of growth, replanting, fire safety, regional development, wildlife and illegal logging.

## Some of our services :

- Forest mapping
- Identification of forest boundaries and forest types
- Mapping of forest canopy density
- Forest quantification
- Monitoring of the dynamics of timber cutting and illegal logging
- Assessment of forest degradation and deforestation
- Monitoring of forest fires
- Vegetation restoration control



 Tropical desert	 Subtropical desert	 Temperate desert	 Boreal mountain system
 Tropical shrubland	 Subtropical steppe	 Temperate steppe	 Boreal tundra woodland
 Tropical mountain system	 Subtropical mountain system	 Temperate mountain system	 Boreal coniferous forest
 Tropical forest	 Subtropical dry forest	 Temperate continental forest	 Polar
 Tropical moist forest	 Subtropical humid forest	 Temperate oceanic forest	
 Tropical rainforest			

# Source data from the customer

## Source data from the customer:

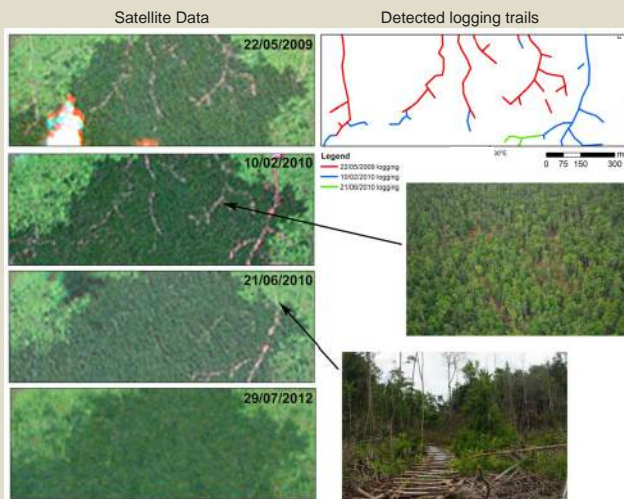
- Licensed logging boundaries, forest reserves and national parks
- GPS coordinates
- Any other data related to the project



# Data Processing, Analysis & Client Reporting

The results of processing of satellite data are constantly updated based on detailed vector maps:

- Maps of forest land with the definition of their contours, squares, river and road networks, and development of various types of infrastructure
- Maps of the distribution of tree species
- Maps of forest parameters (height of trees, timber stock, aboveground biomass, etc.)
- Maps of actual areas of ongoing loggings
- Maps of the location of illegal loggings and timber movement
- Maps of dynamics of changes in forest cover
- Health maps of forest stands with the assessment of the impact of negative processes (fires, hurricanes, floods, erosion, pests, diseases, anthropogenic load)
- Maps of reforestation status on burned areas and clearings
- other maps on demand



# Real-time Multi-Device Monitoring



## Multi - Device Capability

Client is able to access our online service on their personal computers, tablets and smartphones. Spatial database of monitoring results posted on the Linnter Group geoportal and provides the ability to remotely receive all the information about the state of forest resources, quickly implement management decisions, with redirecting coordinate data of illegal logging sites, fires and other natural disasters to the emergency services. Management would be able at any time to obtain important operational information (coordinates, maps, selected areas, information about the nature, scope and development of issues) directly on your computer screen and other mobile devices, with the provision of actual satellite data.

## Data Safeguards

All data is safeguarded under our central data processing center, to ensure utmost confidentiality and robust enforcement capabilities.

# Advantages of the technology

“Forest Scan” data delivered to our clients is very Accurate and Independent, which is very important in the field of forest management.

Satellite data across the state is fully updated as per clients' requirements, which is unattainable by any other technology.



**Accurate**



**Independent**



**Secure**



**From daily to weekly Reports  
as per clients Request**

## The ways of acquiring our services

### 1) Annual subscription:

LININTER provides the services including training of Geoportal users, covering the basics of working with the supplied software and with remote sensing data of the spatial database. During the subscription period we provide technical support for our services.

### 2) Project or individual task basis:

Ad hoc or special projects as requested by clients from time to time.

[www.terrasss.com](http://www.terrasss.com)

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