



Shaping the Future of Forest Intelligence



Scaling Forest Intelligence Across the Enterprise

Building a spatial intelligence platform for modern forestry organizations

Your Esri **Forestry** Team



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The world's leading spatial intelligence platform.

Esri helps organizations see, understand, and act on the world through the science of geography.

Our **ArcGIS** platform connects data, people, and systems — delivering spatial intelligence at enterprise scale.

#1

Global Leader in Enterprise Spatial Intelligence

Trusted by over 750,000 organizations worldwide

57

Years Advancing Geospatial Science

Founded in 1969 — purpose-built for complex spatial problems

The Geographic Approach

A Framework for Decision Making

Solving complex problems through the context of location





Forestry organizations generate extraordinary insight.

How do we fully capitalize on forest intelligence?

Intelligence is Growing

Planning systems, spatial data, remote sensing, analytics, and monitoring generate extraordinary insight every day.

The Challenge

That intelligence lives in multiple systems. Visibility across teams is limited — decisions may lack full landscape context.

The Opportunity

Connect forest intelligence so it informs more decisions — across planning, operations, sustainability, and the executive suite.



The Evolution of Forest Technology

From isolated tools towards connected systems of insight.

01

Specialized Tools

Planning systems, GIS platforms, operations systems, and monitoring technologies operating independently

02

Connected Systems

Data flows across platforms; insights begin to flow across teams

03

Spatial Intelligence Platform

A shared, authoritative view of the forest landscape powering the entire enterprise



A shared vision for connecting forest intelligence across the enterprise.

Remsoft

Deep forestry domain expertise and industry-leading platforms that generate intelligence across the forestry value chain.



Esri

The global geospatial platform for connecting spatial data, analytics, and insight across enterprise systems.

Together: Connecting forest intelligence with enterprise spatial systems to support smarter decisions across the organization.



Scaling Forest Intelligence Across the Enterprise



A Spatial Intelligence Platform for Forestry

Connecting forest intelligence systems with enterprise decision making.

Forest Intelligence Systems

Forest Intelligence Systems

REMSOFT

Remsoft Stratus, OpTracker, Prism, Woodstock, LOGR & more

Internal Data Sources

INTERNAL

inventory, ERP, financial & contract records

External Data Sources

EXTERNAL

Satellite imagery, remote sensing, third-party & open data feeds

Spatial Intelligence Platform

ArcGIS

One authoritative view

Insight across every team

Decisions at every level

Enterprise Decisions

Planners

Harvest & Land Planning

Operations Teams

Field & Logistics

Executives

Portfolio & Strategy

Sustainability Teams

Reporting & Compliance

Land Resources

Alternative Revenue





● STEP 1 - CONNECT

Open. Interoperable. Connected.

Understanding relationships between systems through the lens of geography.

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CONNECT SYSTEMS SUCH AS



Forest Intelligence Platforms

Remsoft Stratus, OpTracker, Prism



ERP Systems

Enterprise resource platforms



Asset Management

Infrastructure & equipment



Monitoring Systems

Remote sensing & field data



Operational Tools

Field & logistics platforms



Capture change and add value across your landbase.

Enrich your spatial foundation with imagery, advanced analytics, and AI.



Imagery & Remote Sensing

Monitor your entire landbase continuously with satellite, aerial, and drone imagery — detecting change as it happens.



Advanced Analytics

Turn spatial data into insight — from harvest depletions to infrastructure analysis and landscape-level reporting.



AI & Machine Learning

Apply AI to automate feature extraction, classify land cover, and surface patterns at a scale no manual process can match.



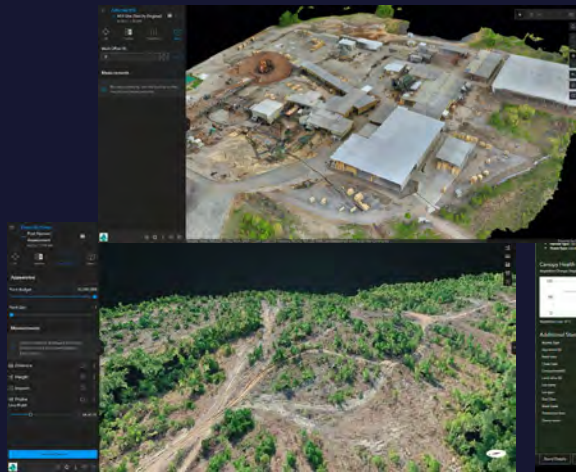
Capture change and add value across your landbase.

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Imagery & Remote Sensing

Monitor your entire landbase continuously with satellite, aerial, and drone imagery — detecting change as it happens.



Remote post-harvest and mill inspections

Landscape level health assessment





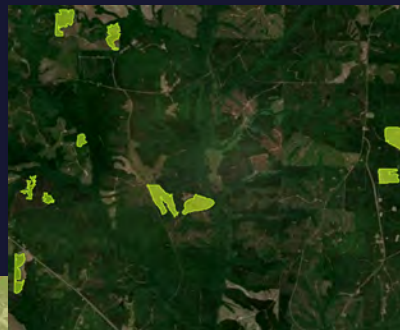
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Advanced Analytics

Turn spatial data into insight — from harvest depletions to infrastructure analysis and landscape-level reporting.



Extract harvest polygons through change detection



Capture change and add value across your landbase.

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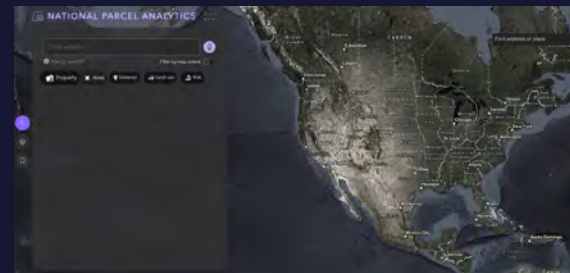


AI & Machine Learning

Apply AI to automate feature extraction, classify land cover, and surface patterns at a scale no manual process can match.



GeoAI for feature extraction



GenAI to interrogate data through natural language





Bring spatial insights to the people who need them.

Experiences that fit how teams already work.



Web Apps

Purpose-built tools for planning & field teams



Hub or Enterprise Sites

Shared portals that centralize spatial insight



Collaboration

Shared maps & spatial context across teams



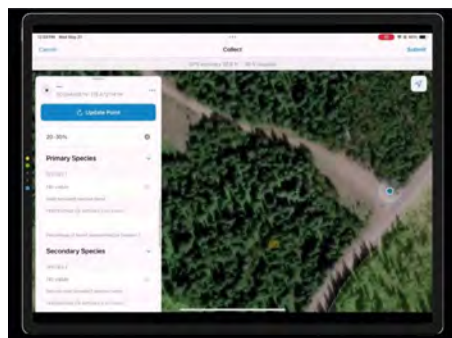
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Collaboration



Tasking field activities

Interacting with multiple datasets on-the-fly



Timber Reconnaissance

SURVEY POINTS

Survey Point ID	Latitude	Longitude	Status
16157441	49.1176	-117.312	OK
16157442	49.1176	-117.312	OK
16157443	49.1176	-117.312	OK
16157444	49.1176	-117.312	OK

Survey Points: 12 of 40 total

Stand Inventory: 12 of 1k stands

Primary Species: Pie chart showing distribution of species.

Age Class: Pie chart showing distribution of age classes.

Reports: Access Observation, Riparian Observation, etc.





Bring spatial insights to the people who need them.

Experiences that fit how teams already work.



Web Apps



Hub or Enterprise Sites

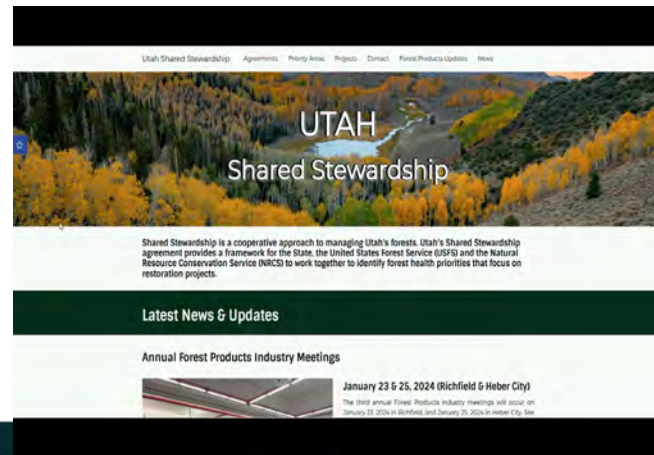
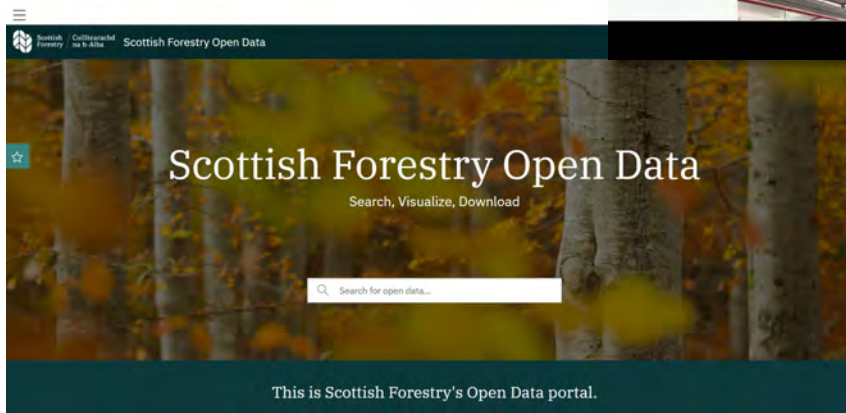
Shared portals that centralize spatial insight



Collaboration



A “front door” for spatial data, apps, and narrative





Bring spatial insights to the people who need them.

Easy-to-consume experiences that fit how teams already work.



Web Apps

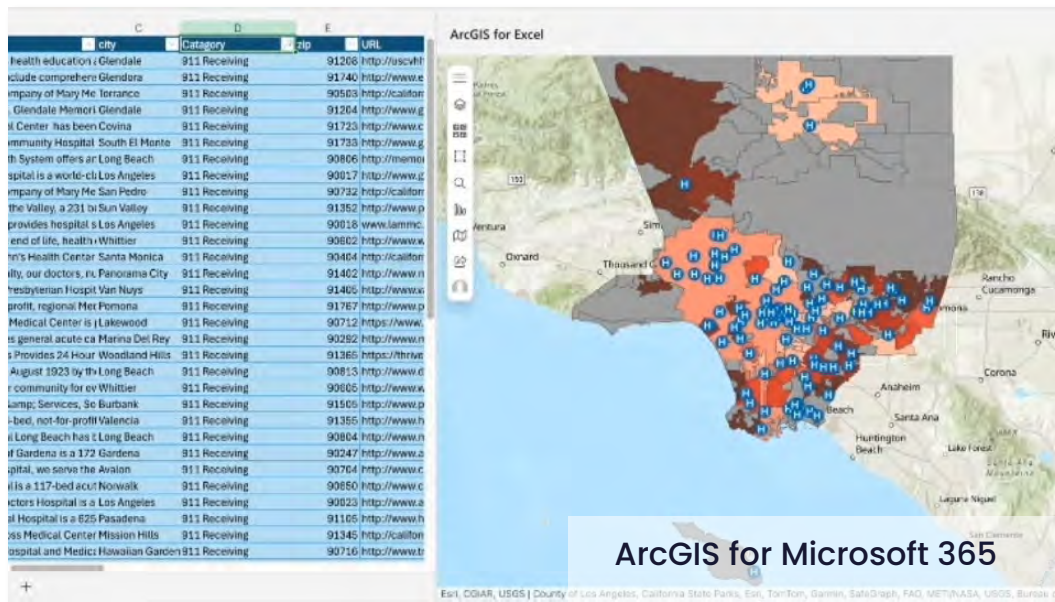


Hub or Enterprise Sites



Collaboration

Shared maps & spatial context across teams





A Practical Path Forward



Most organizations already have the pieces.

It's about connecting them.

01

Integrate

Build your spatial foundation

Connect your existing systems — Remsoft platforms, inventory, ERP, and third-party data — into a single shared view of your forest.

02

Enrich

Capture change across your landbase

Add imagery, remote sensing, advanced analytics, and AI to continuously deepen your understanding of what's happening on the ground.

03

Operationalize

Reach the people who need it

Deliver spatial insight through dashboards, apps, and the tools teams already use — so the right information reaches the right people at the right time.

A QUESTION TO LEAVE WITH

Most organizations already have the intelligence.

The opportunity now is connecting it.

What would change in your organization if forest intelligence flowed freely across systems and teams — and everyone was working from the same view?



Q&A

Questions & Discussion

Luke Kelleher · Sarah Eshpeter

