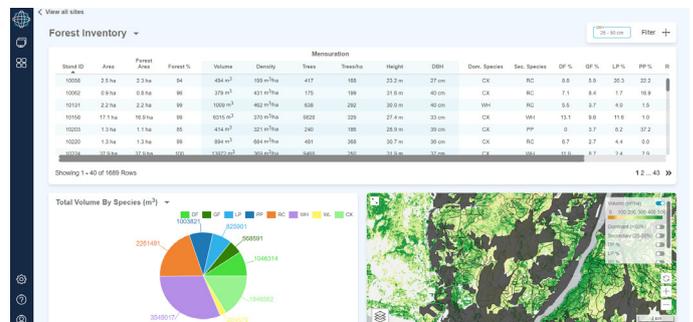


IMPROVE FOREST SUSTAINABILITY

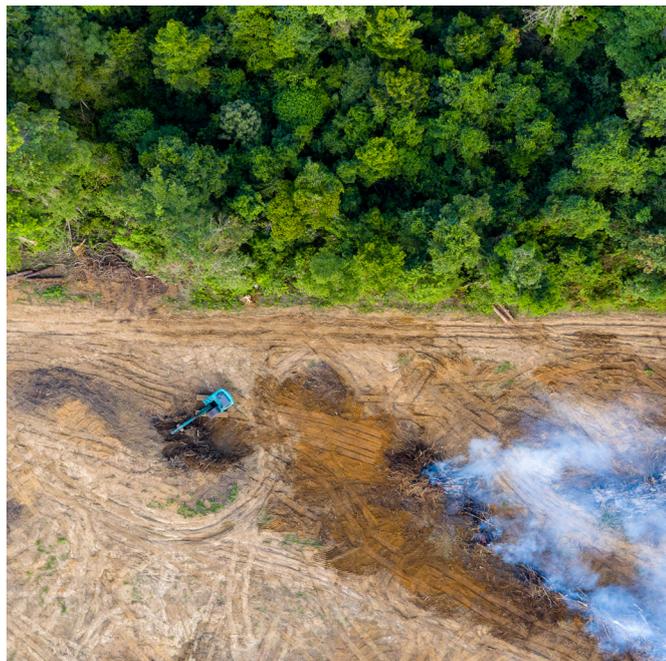
Optimize harvesting and replenishment activities to promote carbon stock gain.

Business Challenge

Quantifying the amount of carbon lost during deforestation and the amount of carbon that a forest can store when it is regenerated is vital when designing and implementing effective sustainable forest management plans and forest-related policies. However, in large managed forests it is often difficult to get up to date, accurate, spatially detailed information on biomass and carbon stock.



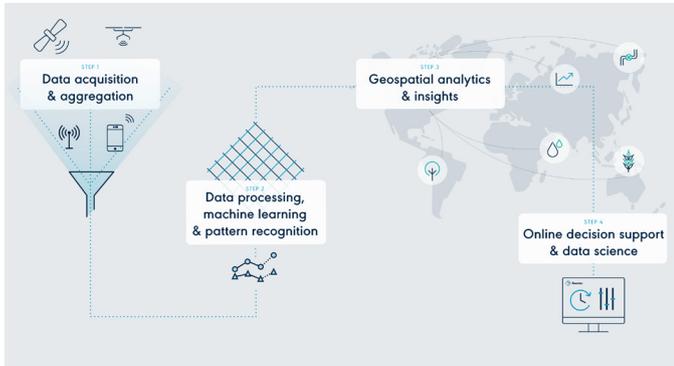
Carbon Stock calculates crucial metrics



Carbon stock management made easy

Carbon Stock enables you to assess the implications of – and optimize planning for – sequestration, deforestation and regeneration activities. Use this continuously refreshed data to:

- Determine changing biomass and carbon stock levels of your entire inventory
- Accurately predict, plan and action harvesting and planting activities to efficiently off-set loss and maximize carbon values
- Optimize decisions, balance carbon loss, and drive sustainable management practices for your whole forest



Technology overview

Rezatec Geospatial AI

Carbon Stock is part of Forest SAT, our geospatial AI solution, which remotely provides a view of your entire forest inventory across vast geographic areas and analyzes disturbance events that threaten its value.

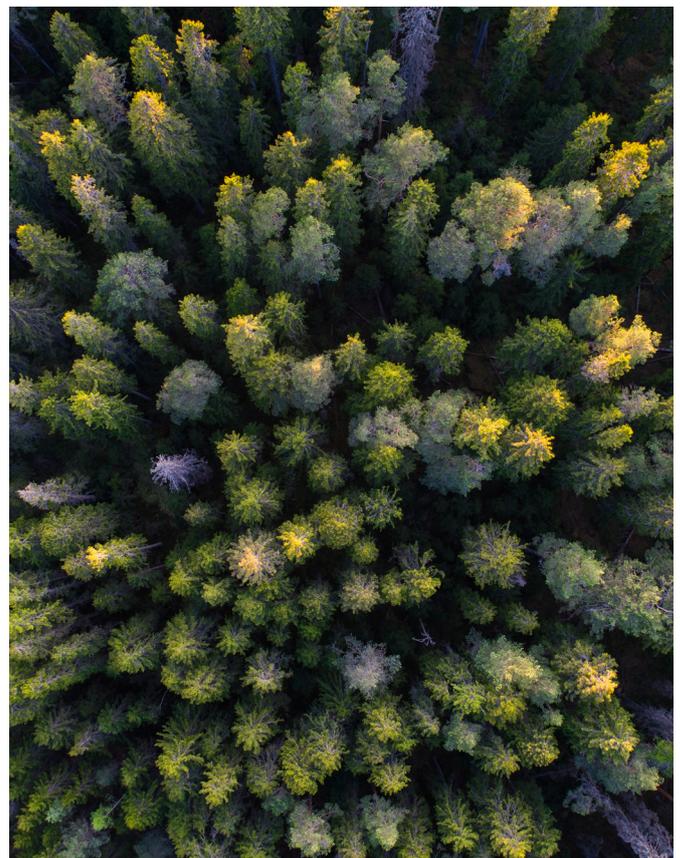
Rezatec uniquely combines remote sensing analysis with data science to deliver geospatial AI, enabling dynamic decision making for clients across the globe in water, agriculture, energy and forestry.

Product Overview

Carbon Stock uses geospatial AI to remotely analyze changes in biomass and carbon stock across vast forested areas. It analyzes changes over time in key forest attributes including species, height and volume, and it calculates dynamic insights on biomass and carbon stock. Data can be integrated into existing GIS systems, or delivered through our Forest SAT solution on the Rezatec platform where you can view your visualization and analytics data from a dashboard. Annual updates ensure you are evaluating the most up to date information.

Our algorithms correlate species distribution data, satellite-derived optical and synthetic aperture radar (SAR) and environmental data with your existing plot information to determine the following key metrics and visualize drill-down maps:

- Tree Count
- Height
- DBH (Diameter at Breast Height)
- Total Volume
- Total Above-Ground Biomass



CONTACT US TO FIND OUT MORE

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