



Rezatec
Analyzing Earth Data

GEOSPATIAL DATA ANALYTICS TO UNDERSTAND FOREST BIOMASS & CARBON STOCK

FORESTRY / BIOMASS & CARBON STOCK

THE BUSINESS CHALLENGE

Forests play a key role in carbon and other biogeochemical cycles, which are important processes that help to support life on earth. Forests contribute by acting as large carbon and nutrient sinks and by fixing CO₂ through photosynthesis.

Understanding a forest's biomass and carbon stock can help to quantify the amount of carbon loss during deforestation or the amount of carbon that a forest can store when they are regenerated. This is of paramount importance for the design and implementation of effective sustainable forest management plans and forest-related policies. In large managed forests it is often difficult to get up to date, accurate, spatially explicit information on Biomass & Carbon Stock across the area. To date, managers and policy makers have typically relied on estimating this using existing information, which can be incomplete or out of date.

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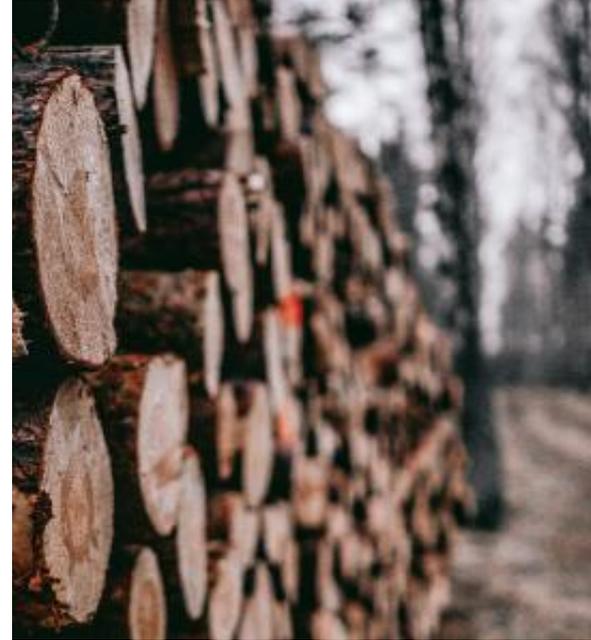
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OUR FOREST MANAGEMENT SERVICE

Rezatec provides a landscape intelligence data service to provide users with comprehensive, up to date, regular information on a forest's Biomass & Carbon Stock. We use medium and high-resolution optical and radar satellite data to measure key forest attributes, such as species and heights which is then used to derive information on Biomass & Carbon Stocks across the area. Furthermore, through monitoring changes in the forest land cover over time, changes to an area's Biomass & Carbon Stocks can also be monitored to assess the implications of deforestation and regeneration activities.

Delivered via Rezatec's dedicated, cloud-based geospatial data intelligence portal, or when integrated with existing client systems, this data can be used to complement existing data collection methods, supporting broader business management decisions by providing up to date consistent information.



- + Quantify Total Biomass and Carbon Stock
- + Map the levels of Biomass and Carbon Stock within a selected area
- + Identify opportunities to improve Biomass and Carbon Stocks
- + Share valuable forested asset data with stakeholders

FIND OUT MORE

At Rezatec, we use Earth Observation (EO) data to provide valuable forestry decision support, to help identify, measure and monitor the world's forests from space, enabling faster and more informed management decisions to be made.

For further details and pricing, contact us on +44 (0)1865 817 500 or email info@rezatec.com

