

# Remsoft for Carbon Forestry

Develop and review carbon forest projects with greater efficiency and less risk



Forest carbon projects are complex. Projects often span decades and involve large and diverse forests with numerous factors and competing objectives to consider.

This complexity makes carbon forestry an ideal fit for Remsoft's optimization modeling technology, which can help you develop and evaluate carbon projects in a way that is efficient, repeatable and scalable.

## Manage carbon complexity with optimization modeling

Remsoft offers forest modeling and planning solutions, powered by Woodstock Optimization Studio, that can help evaluate the multitude of options and decisions required to model and forecast forest carbon potential.

- **Support Decisions with Analytics**

Optimize carbon management decisions using sophisticated analytics technology and mathematical optimization to identify and assess every variable. Using a comprehensive forest modeling framework, you can represent your forest, growth, decision options, constraints, costs, and revenues. With integrated mapping, you can visualize and report on your project spatially.

- **Track Onsite and Offsite Carbon Pools**

Look beyond the forest for carbon potential and consider the value of offsite carbon pools. By modeling and tracking carbon stored in both offsite wood products and the living biomass in the forest itself, you can more accurately assess the full potential of the forest asset.

- **Analyze Trade-Off Opportunities**

Conduct scenario impact and trade-off analyses to quickly examine options, assess risk and compare different projects and approaches. For instance, trade off forest harvesting with carbon, biomass and other land uses to find out which revenue stream offers the most value. The plan can be 'rolled forward' by quickly accounting for actual progress and change.

- **Identify Increased Carbon Sequestration Scenarios**

Make the best carbon storage decisions by exploring numerous forest management scenarios to determine which option would result in the greatest carbon stock change. Consider the carbon potential of each management decision, examine the impact on other forest values, and adjust strategies to achieve the best results.

## Agile and dynamic analyses enables you to answer complex questions with ease.

With optimization modeling you can find the best possible answer to your most challenging questions to achieve optimal net present value, carbon storage, forest production or any other value you want to define.

Is this the highest value use for this land base?

What impact would increased carbon storage have on my other values and objectives?

Would a different project provide a better return on investment?

What risks are associated with this project and how can I mitigate them?

How much harvesting can be performed while maintaining baseline carbon stocks?

What series of forest activities will achieve the best results?

How sensitive are the returns on this project to the assumptions I have made?

What is the long-term impact of recent deviations from the plan?

## Remsoft Professional Services and Support

Whether you're just getting started with optimization modeling or working towards a project goal, Remsoft can help you drive results faster.



### Implementation and Consulting

Remsoft experts are available to provide guidance and actionable insights to help you achieve results. We can help you maximize the performance of your model to meet project goals.



### Responsive Support

Our support professionals understand the intricacies of planning as well as analytics. We're always available to answer questions and help you achieve critical outcomes with our software.

**What can we help you achieve?** Learn all the ways you can benefit from using our analytics software to meet your business and project objectives. [www.remsoft.com/get-started](http://www.remsoft.com/get-started)