

Emerging Market Opportunities for Minnesota's Forest Products Industry

Minnesota Forest Resources Council
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Brendan Jordan
Great Plains Institute



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Themes

- **New markets needed for mill residuals, underutilized species, and insect-kill**
 - Management requires markets
- **Many emerging market opportunities:**
 - Advanced biofuels
 - Biochar/activated carbon
 - Bioenergy +CCS
 - Engineered wood products
 - Thermally modified wood
 - Biobased chemical
 - Commercial, residential heating
 - Pellet export
- **Carbon value proposition of forests and forest industries**
 - Management and market
- **Manage for economy and environment, find synergies, educate the public**

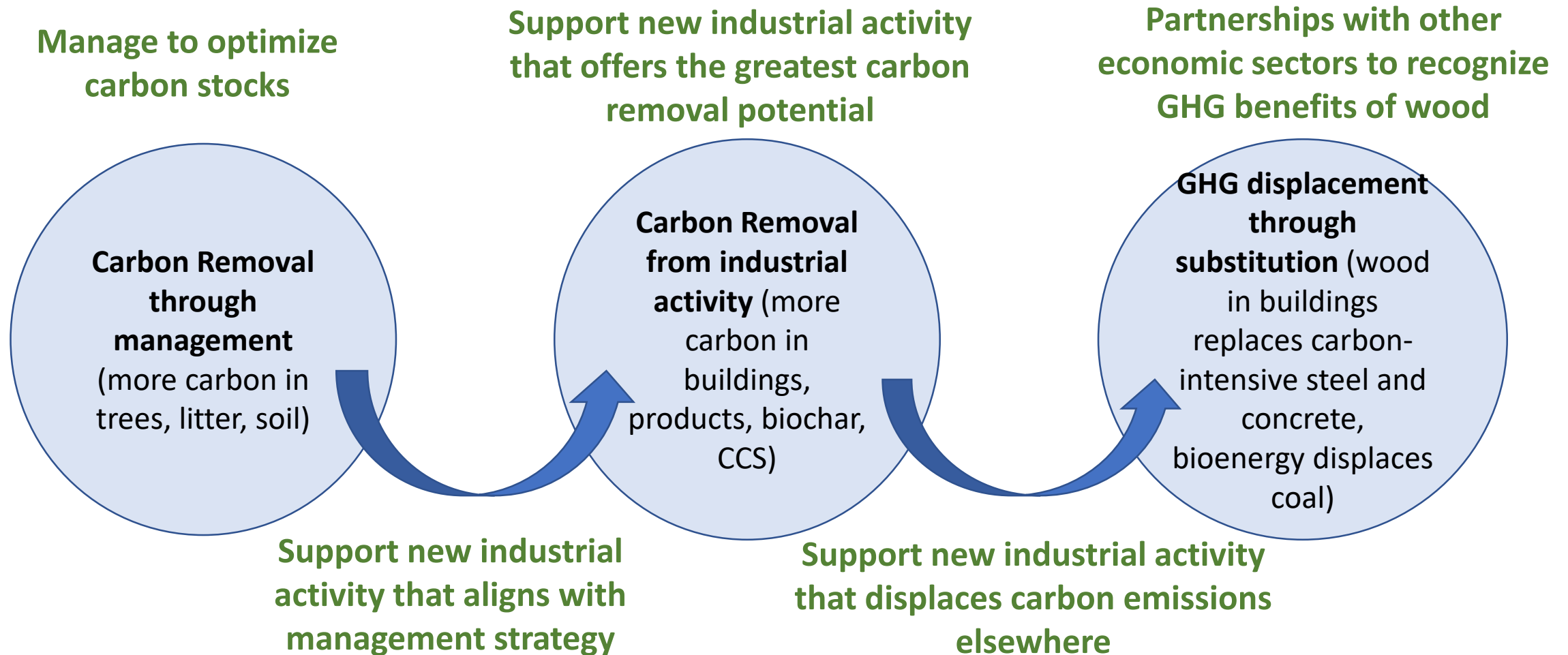


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Holistic View of Carbon Removal Opportunity



What now?

- **Identify priority technologies and management strategies (align with management priorities, offer GHG benefit, offer economic opportunity)**
 - Support with R&D investment and policy
- **Better decision tools to optimize GHG benefits from forest management and forest industry**
 - Develop better comprehensive decision tool (2-3 year project)
 - Identify no-regrets strategies nearer-term
- **Better value and compensate the carbon value proposition of wood and wood industries**
 - Carbon offset markets
 - New policy that supports commercialization of beneficial technologies based on carbon benefit



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THANK YOU

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bjordan@gpisd.net