

# Forest Based Solutions for Climate & the Economy

*Office of the Chief Forester - Caring for B.C.'s Forests*

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Ministry of  
Forests, Lands, Natural  
Resource Operations  
and Rural Development

# THE FOREST BIOECONOMY AND BC'S ECONOMIC PLAN

Mid-term timber supply is less and different

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graph TD; A[Mid-term timber supply is less and different] --> B[Growth cannot occur through expanded production of volume]; B --> C[Revenue, job and clean growth in this sector must occur through growing the value of the products];
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Growth cannot occur through expanded production of volume

Revenue, job and clean growth in this sector must occur through growing the value of the products

# WHY A FOREST BIOECONOMY IN 2020?

Rural BC economy is changing—as identified in Coast Revitalization and the Interior Renewal processes



Wood products present opportunities to attract investment, support climate action and add value and jobs for each cubic metre



Supports stimulus and economic restart opportunity in the context of COVID-19 disruption and aligns with Federal funding priorities

# HOW DO WE IMPROVE AND TRANSFORM OUR FOREST ECONOMY?

→ By Enabling Innovation and Promoting Success from Seed to Product

Maintain  
Sustainable Brand



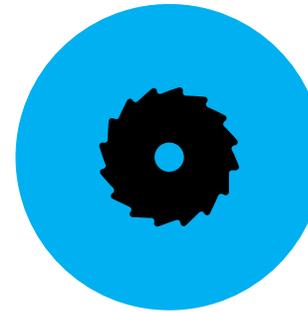
sustainable forest practices  
seed to forest, strong  
indigenous relations and  
community support

Improve  
Supply Chain



reliable fibre supply  
information, efficient  
harvesting, handling and  
transportation

Increase Capacity  
to Add Value



appropriate scale and mix of  
manufacturing facilities and  
increased labour capacity

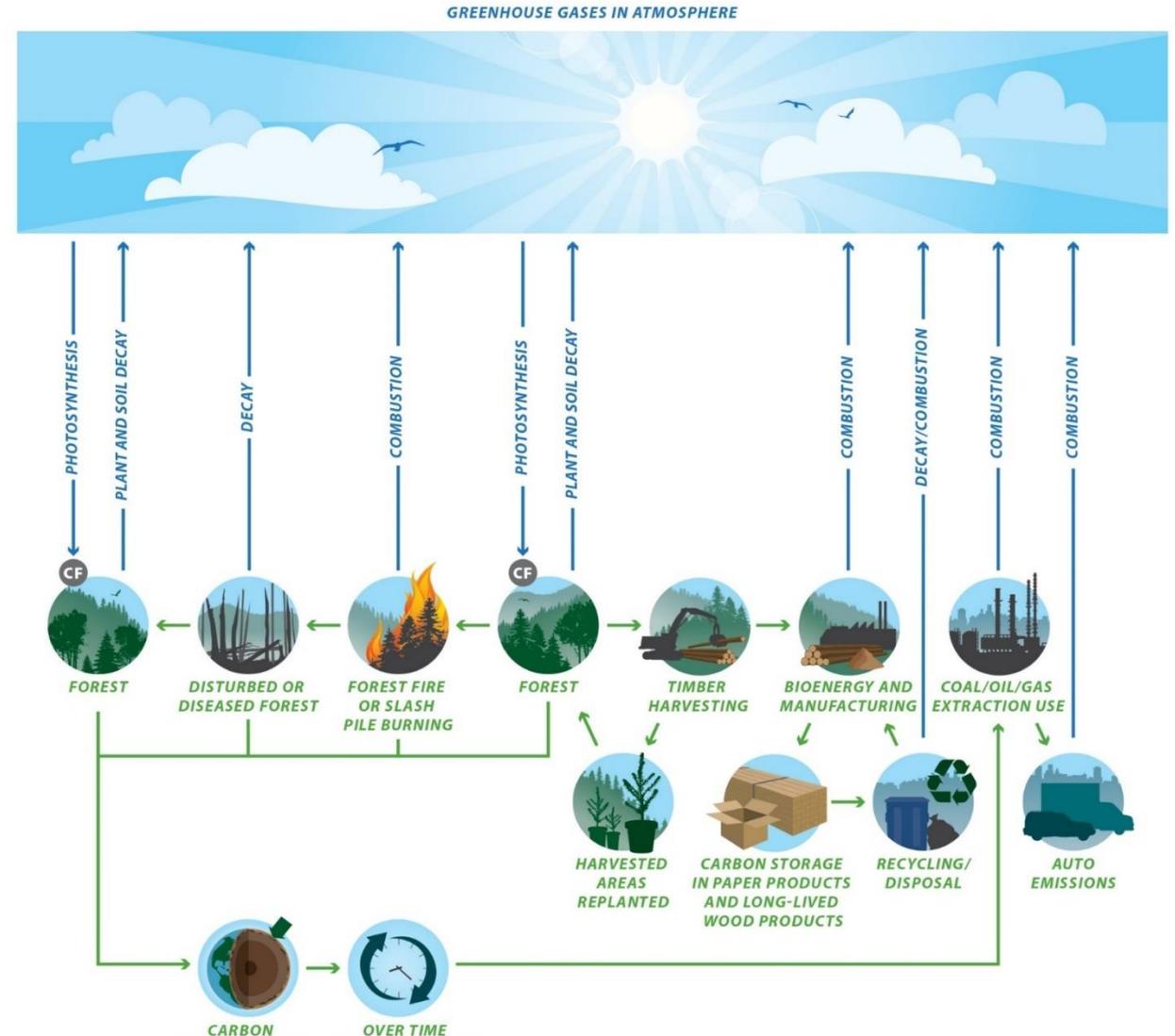
Grow Demand



BC wood based products  
being used in BC, Canada  
and internationally

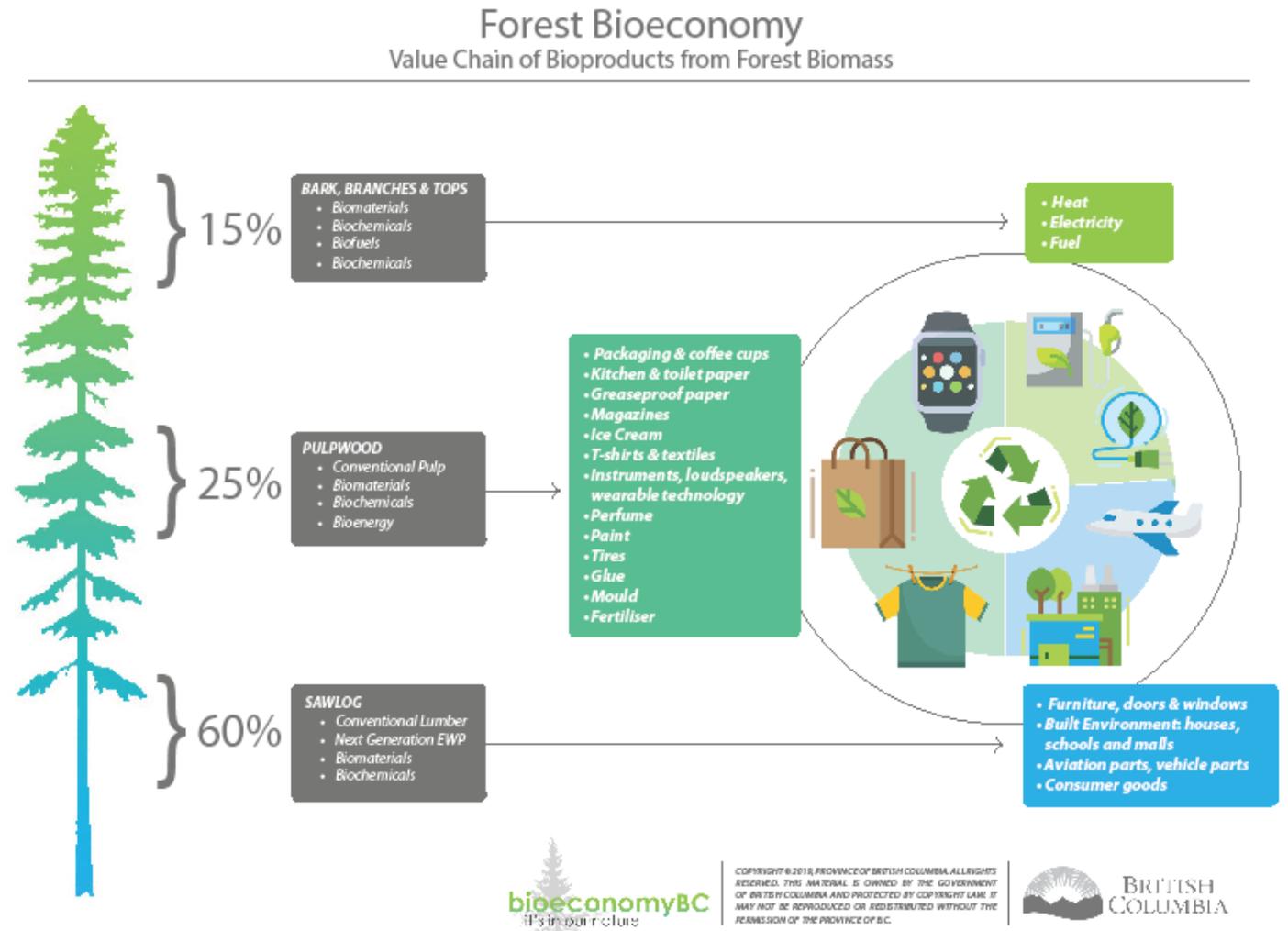
# FOREST MANAGEMENT FOR GREENHOUSE GAS BENEFITS

- Forest carbon projects are changes in business as usual activities that result in incremental GHG benefits



# WOOD PRODUCTS FOR GREENHOUSE GAS BENEFITS

- Using wood and wood fibre in a range of applications can have GHG and economic benefits
- We are developing the provincial approach



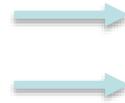
# FOREST-BASED SOLUTIONS: WHAT WE ARE DOING WITH PRODUCTS



## BUSINESS CASES

Bioenergy and Advanced Biomaterials

- Economic analysis
- Market analysis
- GHG/LCA analysis
- Science on Cellulose



## BIOMASS SUPPLY ANALYSIS

Where & How Much

BC's Forestry Biomass Supply Information System:

- Timber Supply Analysis (TSA) integrating economics (FP-Interface model)
- Cutblock scale analysis via mobile apps (BiOS App)
- Field validation trials (App and model calibration)
- Interactive maps with socioeconomic & GHG benefits



## MILL ANALYSIS

Existing mills vs. B.C. Bets

- Current products & capacity
- Identify high potential sites & products
- Biomass supply potential
- Capital cost scenarios



## INDIGENOUS PARTICIPATION

B.C.'s Indigenous Forest Bioeconomy



- Community-based engagement
- Collaboration and funding support for bioeconomy projects providing community jobs and entrepreneurial opportunities



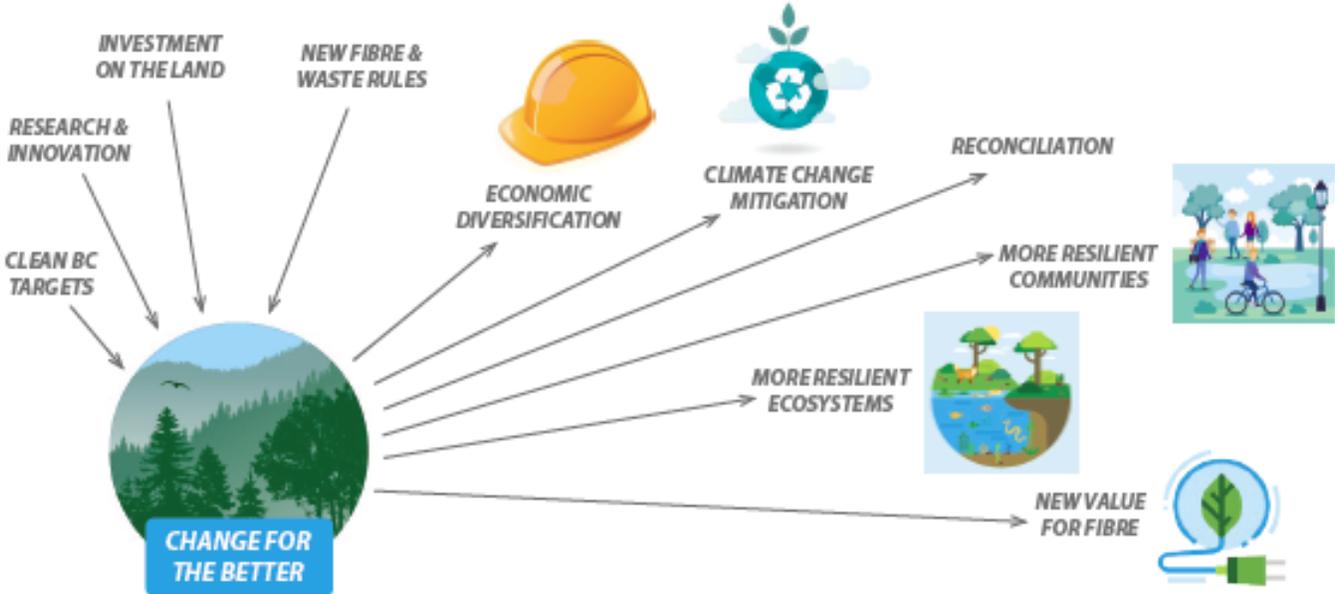
## OPTIONS

- Policy drivers (% bio-concrete in B.C. buildings, construction)
- Investment options
- Federal-provincial matches (single-use plastics, GDP/jobs, fibre utilization, GHG benefits)

# BRINGING IT ALL TOGETHER



## BIOECONOMYBC Add More Value



FOREST MANAGEMENT ADDRESSES THE ROLE OF FOREST FIBRE IN MITIGATING CLIMATE CHANGE, AS PART OF ECOSYSTEMS, AS AN ELEMENT OF WILDFIRE RISK AND FOR ITS ECONOMIC VALUE. AS WE STRIKE A NEW BALANCE WE CAN WASTE LESS, USE MORE AND REALIZE MORE VALUE.



WORKING TOGETHER TO BUILD A SUSTAINABLE AND RESILIENT NATURAL RESOURCE SECTOR THAT SUPPORTS A STRONG ECONOMY FOR ALL BRITISH COLUMBIANS.

Mock up for Discussion

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