



Ministry of
Forests

Panel: Scaling Up 2023 Feature Province

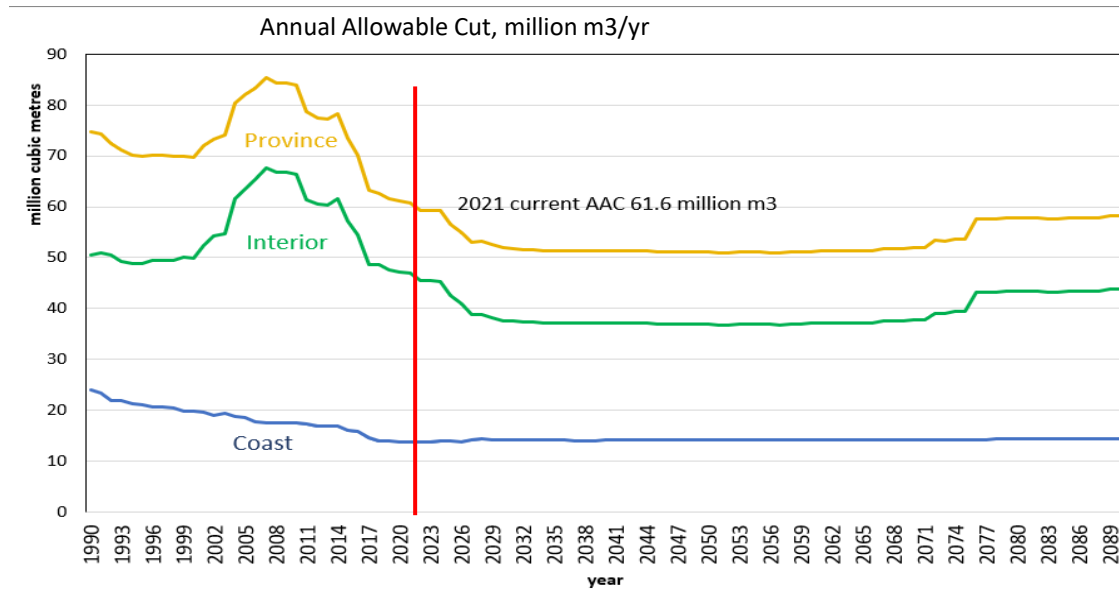
Scaling Up 2023: The Future is Now | November 8, 2023

Gustavo Oliveira, Director

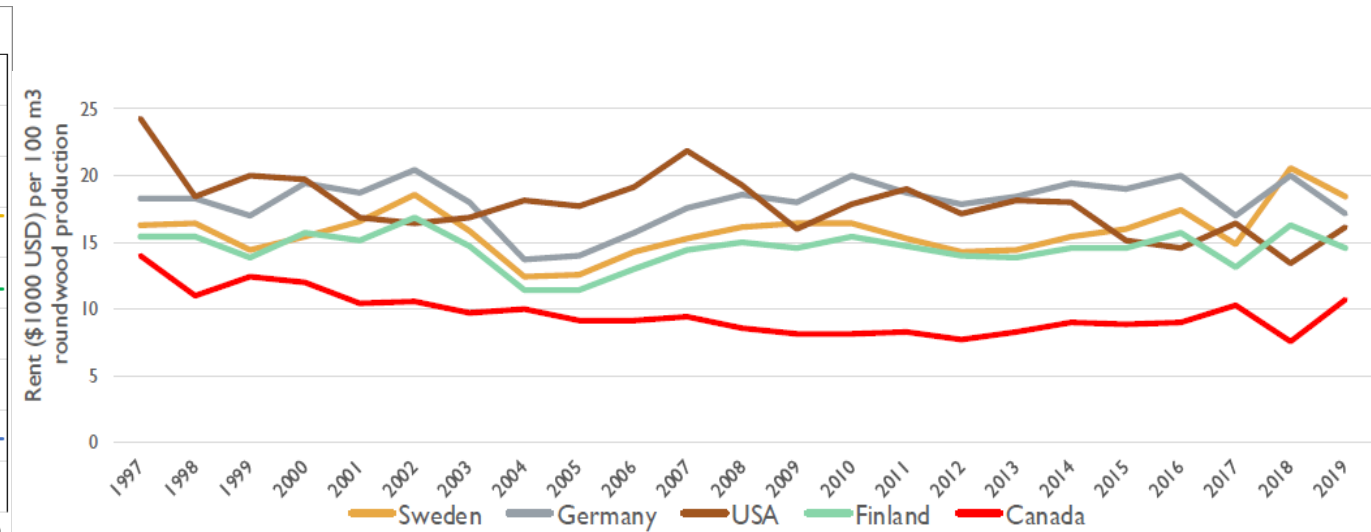
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Broad forestry context

Less fibre available



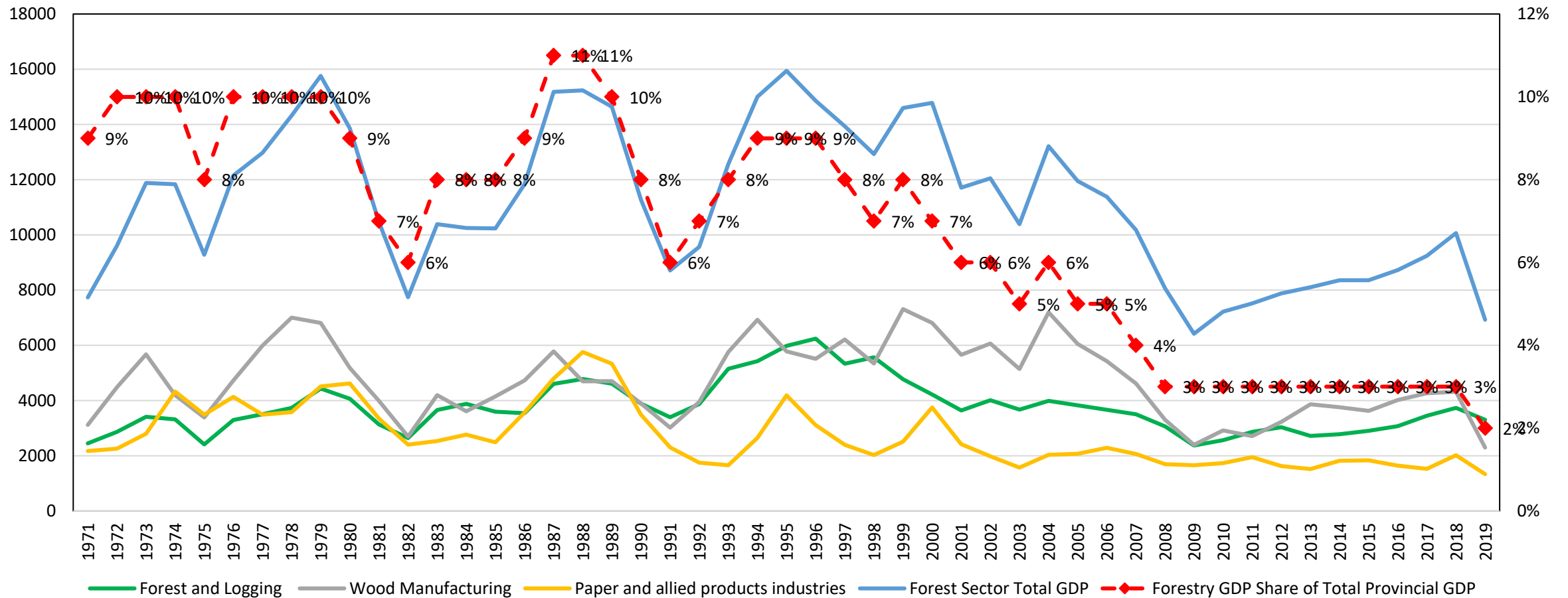
Low value per unit of wood



Result: A forestry sector in need of developing new products that use less fibre and are worth more

BC Forest sector GDP

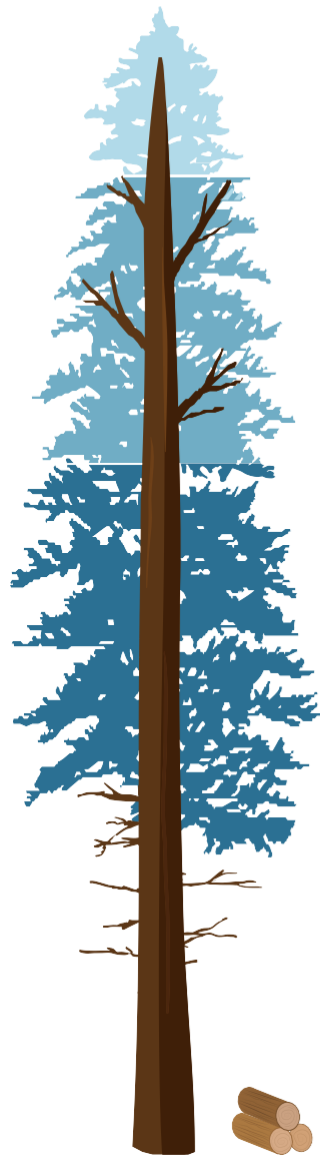
BC Forest Sector GDP (CPI Adjusted) and Share of Total Provincial GDP, 1971-2019



The New Forest Value Chain: What Can be Made from One Tree



Ministry of Forests



15%
Bark,
Branches
& Tops

25%
Pulpwood

60%
Saw Logs

Biochemicals
Nutraceuticals
Pharmaceuticals

Tanning Agents
Cosmetics
Flavorings

Building
Insulation
Packaging Foams
(Peanuts)
Bio-based
Films

Molded Fibre
Products

Cardboard
Pulp

Lignin

Food Products
Construction
Additives
Adhesives
& Coatings

Cellulose
Nanomaterials
Bioplastics
Biomedical
Cosmetics

Composites
Automotive
Parts
Energy
Storage

Hygienic
Tissue
Paper
Dimensional
Lumber
Furniture
Plywood

Processing
Residues (Sawdust
& Chipped Wood)

Advanced Carbon
Materials
Fertilizer
Water Treatment

Slash piles

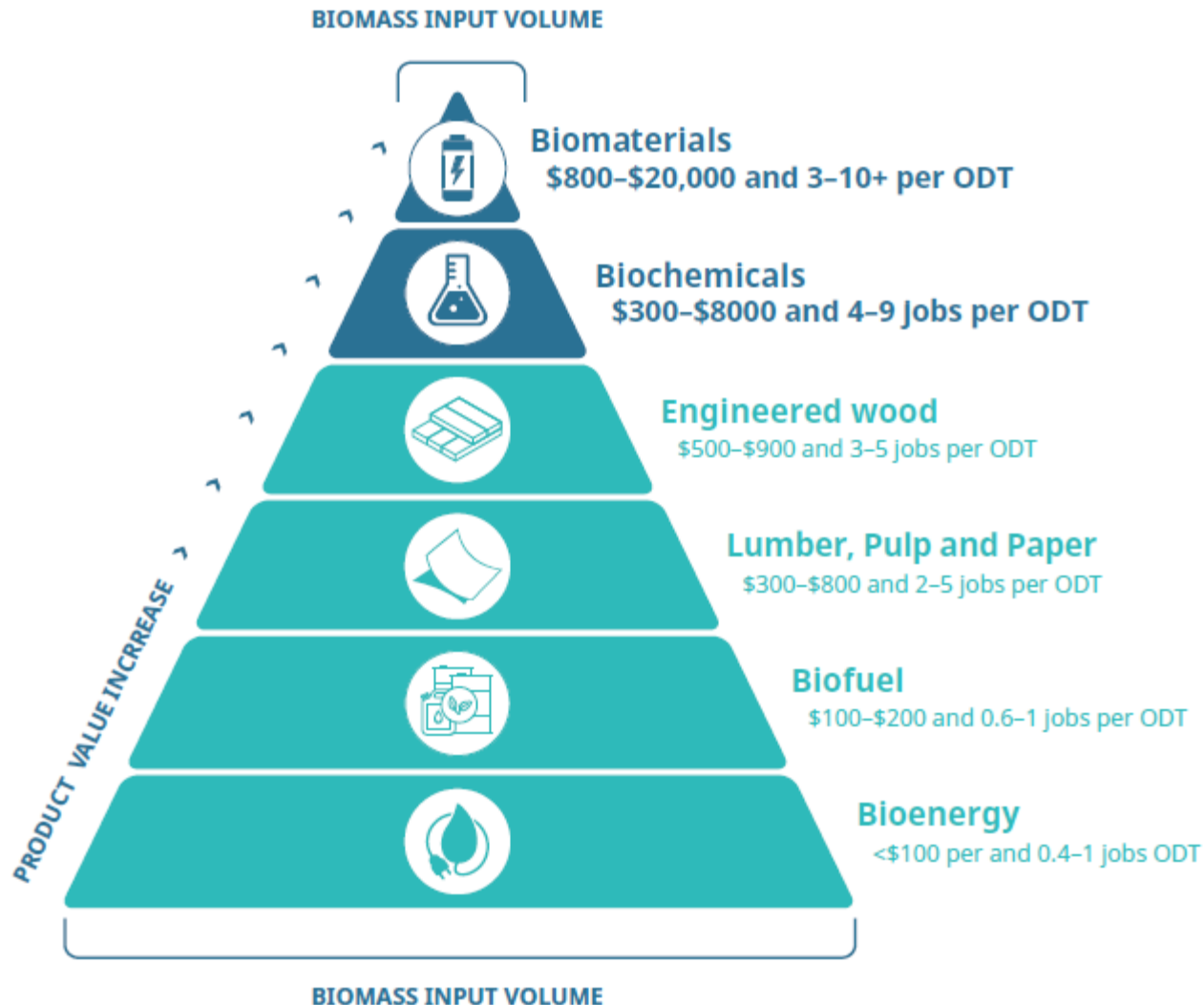
Engineered Wood
Products
Mass Timber
Wood Fibre
Insulation

Bioenergy
Solid Biofuels
Liquid Biofuels

Tree Sapling
(tomorrow's forest)



Bioproduct value pyramid



Current government funding programs:

- Manufacturing Jobs Fund: 180M for business growth
- CleanBC: Various electrification opportunities
 - Indigenous accelerator, expanding pre-existing Indigenous Forest Bioeconomy Program
- Forest Enhancement Society of BC:
 - Fibre Utilization
 - Wildfire risk reduction
 - \$238 million in 2022 (with Canada)
- Forest policy modernization (FRPA)

Thank you!



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