Canada's Forest Bioeconomy Framework

Can it support development of bioproducts?



Scaling Up 2017

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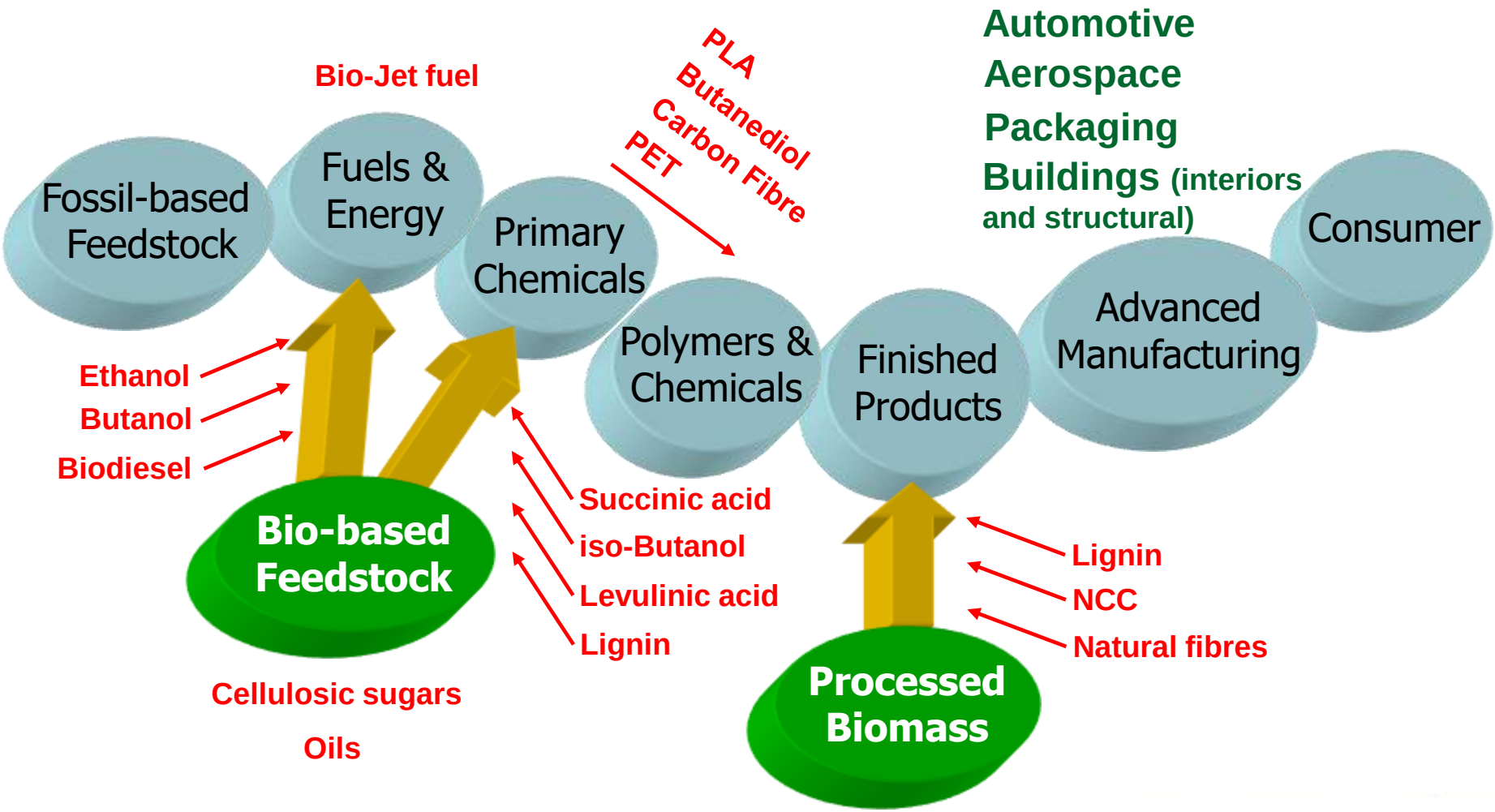
Integrating into the Hybrid Chemistry Value Chain

Leveraging market pull to support supply push



Challenges along the Value Chains
Development focus areas

Application Focus Areas:

Meet Customer Requirements

– define product quality specifications

– define and establish relationship with customers

– partner with customers to meet quality specs through application development

– conduct demonstration production trials at appropriate scale

Ensure Long Term Sustainability

– determine quantities of sustainably harvestable biomass

– practice sustainable aggregation

– operate with optimal carbon footprint

– maintain license to operate

Establish Distribution Networks

– efficiently move fuels to markets

– link into existing distribution networks (eg. jet fuel network within airports)

Development Focus Areas:

Efficient Conversion Technologies

– minimize number of transformation steps

– build out biorefinery concepts to produce highest value products (chemicals, materials)

– maximize value of co-products

– establish relationships along the supply chains to optimize costs

– establish partnerships along the value chain to leverage existing infrastructure

Reduce Supply Chain Logistics Costs

– biomass aggregation costs

– transportation and storage costs

Strengthen the Value Chains

– identify and engage partners to fill the gaps

– engage additional customers to create stronger market pull to support existing supply push

– conduct demonstration trials at necessary scale to reduce development risk along the value chain through the progressive transformations