

Dr. Lilieholm is an Associate Professor of resource economics and policy in the School of Forest Resources at the University of Maine, where he teaches and conducts research in natural resources economics, policy, and management. He received his Ph.D. from the University of California, Berkeley, an M.S. in silviculture from Louisiana State University, and a B.S. in forest management with honors from Utah State University.

Dr. Lilieholm's research interests examine ways in which wildlands can be sustainably managed to promote a wide range of ecological and social goals. He has examined wilderness management, as well as the development of strategies to manage commercial timberlands for biological diversity and wildlife habitat.

Before joining UMaine in 2006, Dr. Lilieholm spent 18 years in the College of Natural Resources at Utah State University. He has served as a Faculty Associate and Visiting Fellow with the Lincoln Institute of Land Policy, as well as a Visiting Professor with the Organization for Tropical Studies in Costa Rica. He was named "Professor of the Year" in the College of Natural Resources at Utah State University in 1994, and was later awarded honors professor status. He has authored or coauthored over 100 articles and reports through funding provided by the National Science Foundation, The Ford Foundation, The Boston Foundation, the U.S. Congress, just to name a few. Please welcome Rob Lilieholm.....

# Social Acceptability and Maine's BioProducts Industry



*Rob Lilieholm, Jessica Leahy & Terry Porter*

*The University of Maine, Orono*



*Northeast Forest BioProducts Puzzle, Bangor, October 19, 2007*

# Outline

- UMaine's Forest BioProducts Research Initiative
- Stakeholders, Social Acceptability & BioProducts
- Research Approach & Preliminary Findings
  - *Primary & Secondary Stakeholders*
  - *Future Work*
- UMaine's Role in BioProducts
- Some Closing Thoughts...





Forest-based biomass can be used to create a wide range of BioProducts:

- *Electrical energy*
- *Transportation fuels*
- *Wood-based chemicals*
- *Consumer products*



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RESEARCH INITIATIVE

Discovering  
a Sustainable Bio-Economy



Innovative uses for sustainably harvested wood have the potential to:

- *Enhance forest management*
- *Reinvigorate rural communities*
- *Help landowners conserve forests*
- *Reduce fossil fuel reliance & carbon emissions...*



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And...

Transform industrial facilities into BioRefineries that manufacture an array of valuable wood products at a single location...

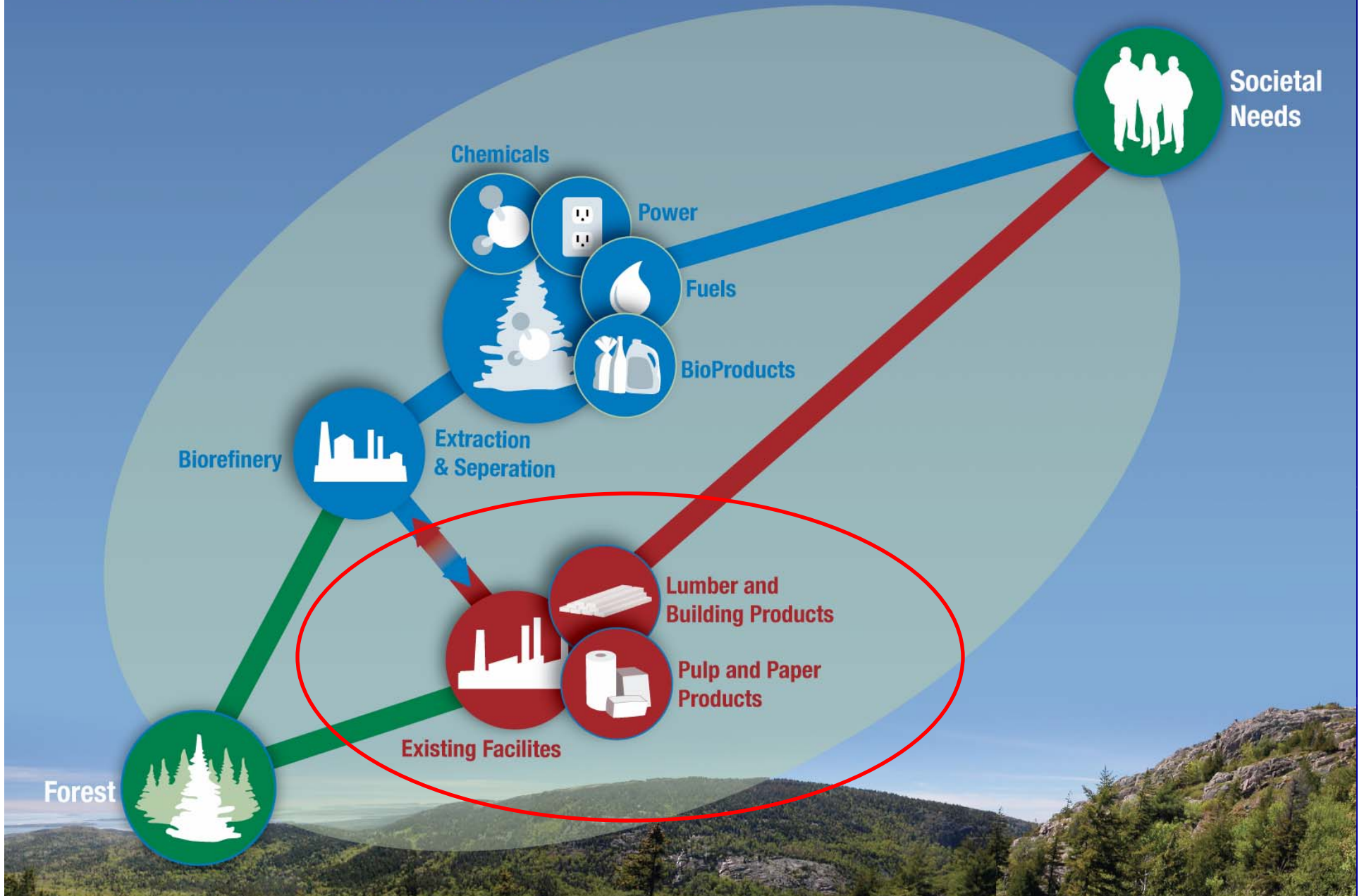


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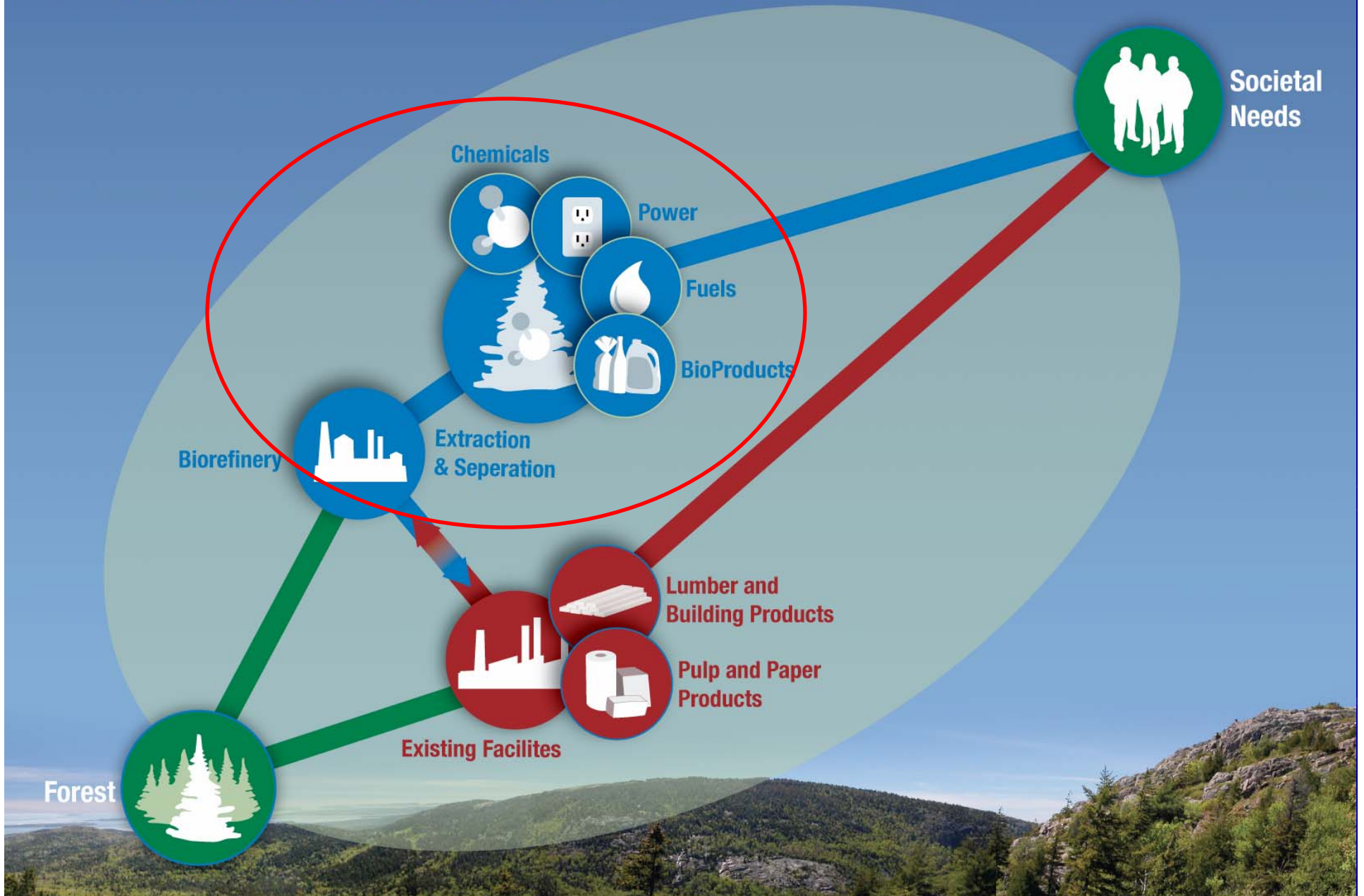
Discovering  
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# FOREST BIOPRODUCTS RESEARCH INITIATIVE



# FOREST BIOPRODUCTS RESEARCH INITIATIVE





FBRI is UMaine's commitment to ensuring that Maine becomes a leader in the emerging BioEconomy...



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# FBRI's Core Research

From the forest floor to the factory floor, researchers, students & project partners' goals are to:

## Promote

Forest Health for a  
Stable BioEconomy

## Understand

& Separate  
Wood Components

## Create

& Commercialize  
New BioProducts



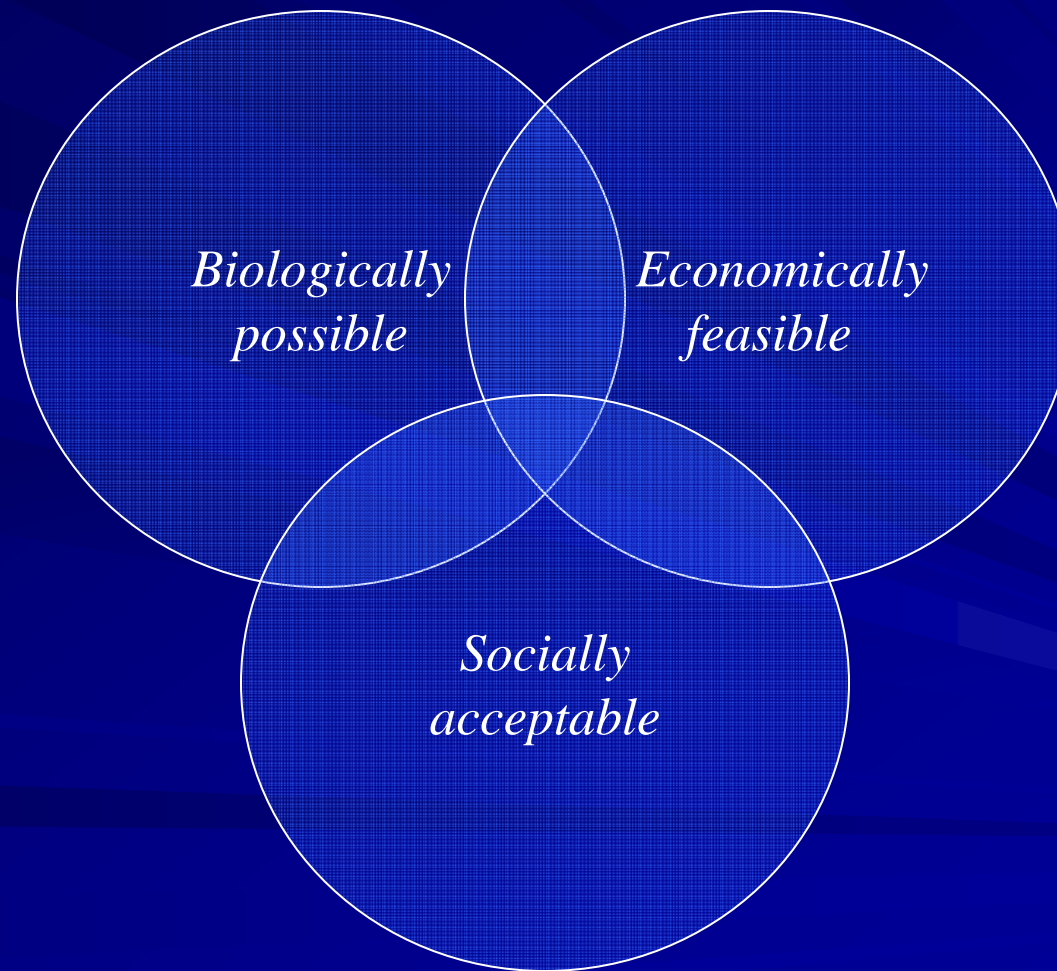


# UMaine's Forest BioProducts Research Initiative

- Theme 1: Sustainability
- Theme 2: Extraction
- Theme 3: New Products



# A Broader View of Sustainability...





# Why Social Acceptability Matters...

- *Genetically modified organisms (GMOs)*
- *Water fluoridation*
- *Irradiated foods*



# Social Acceptability & Forest Practices

- *During the 1990s, Maine held a series of ballot initiatives seeking to limit clearcutting on private lands...*
- *All failed, but harvest practices changed nonetheless...*





# Stakeholder Assessment

- *Interview stakeholders to better understand issues, concerns, opportunities & networks related to biomass harvests & BioProducts*
- *Use this understanding to develop a general population mail survey to solicit public views, knowledge & opinions...*

# BioProducts Stakeholders

- Groups, individuals, and/or organizations likely to be affected by the emergence of the BioProducts industry...
- Stakeholders will likely impact the development of Maine's BioProducts sector either directly or indirectly...

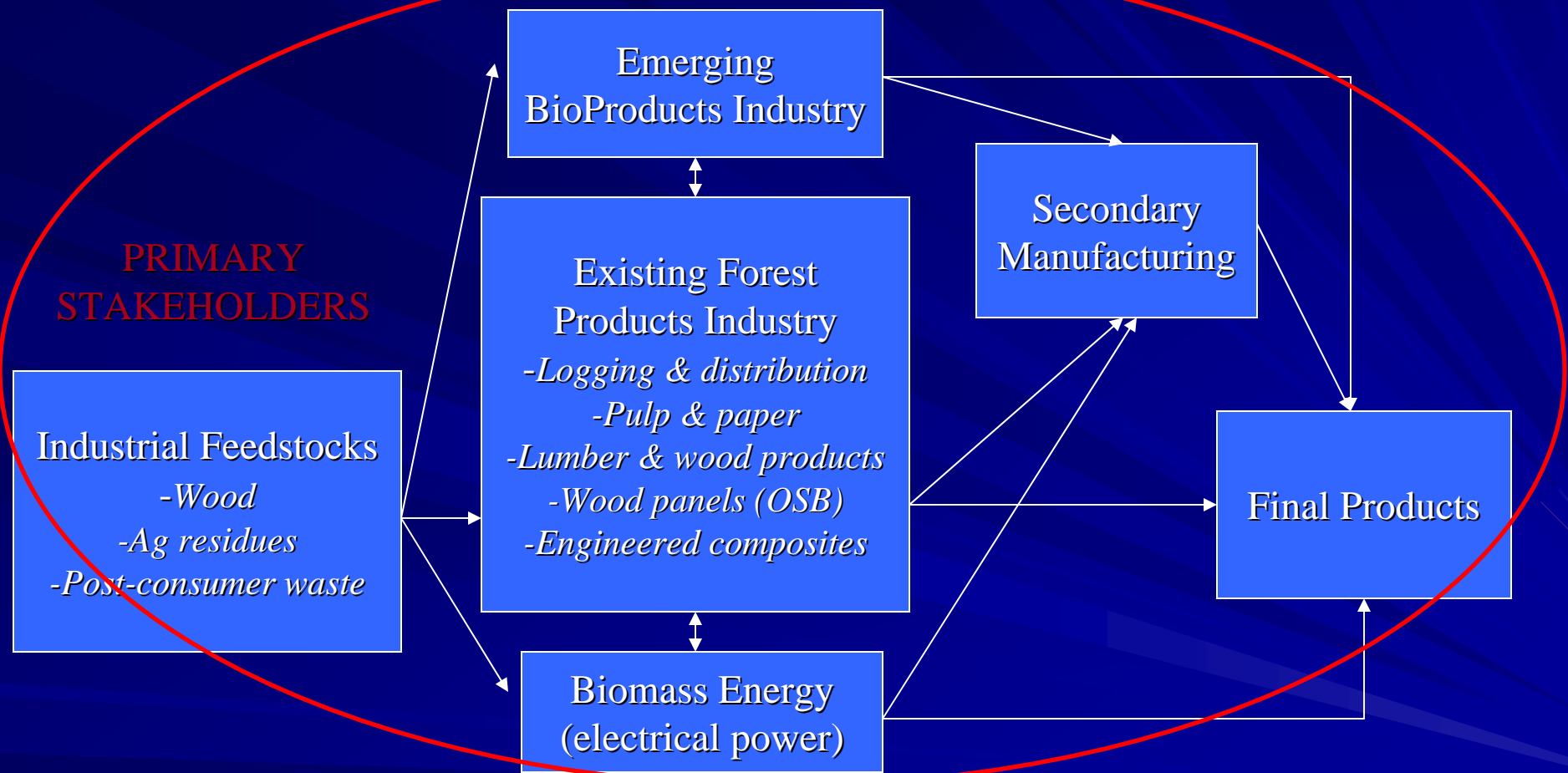




# FBRI Brainstorming Questions

- *What stakeholders should be interviewed and/or surveyed?*
- *What potential issues are likely to arise?*
- *What questions & terminology should be used when contacting stakeholders?*
- *How can social acceptability research better inform the project's research efforts & public policy debates?*

# Primary & Secondary Stakeholders

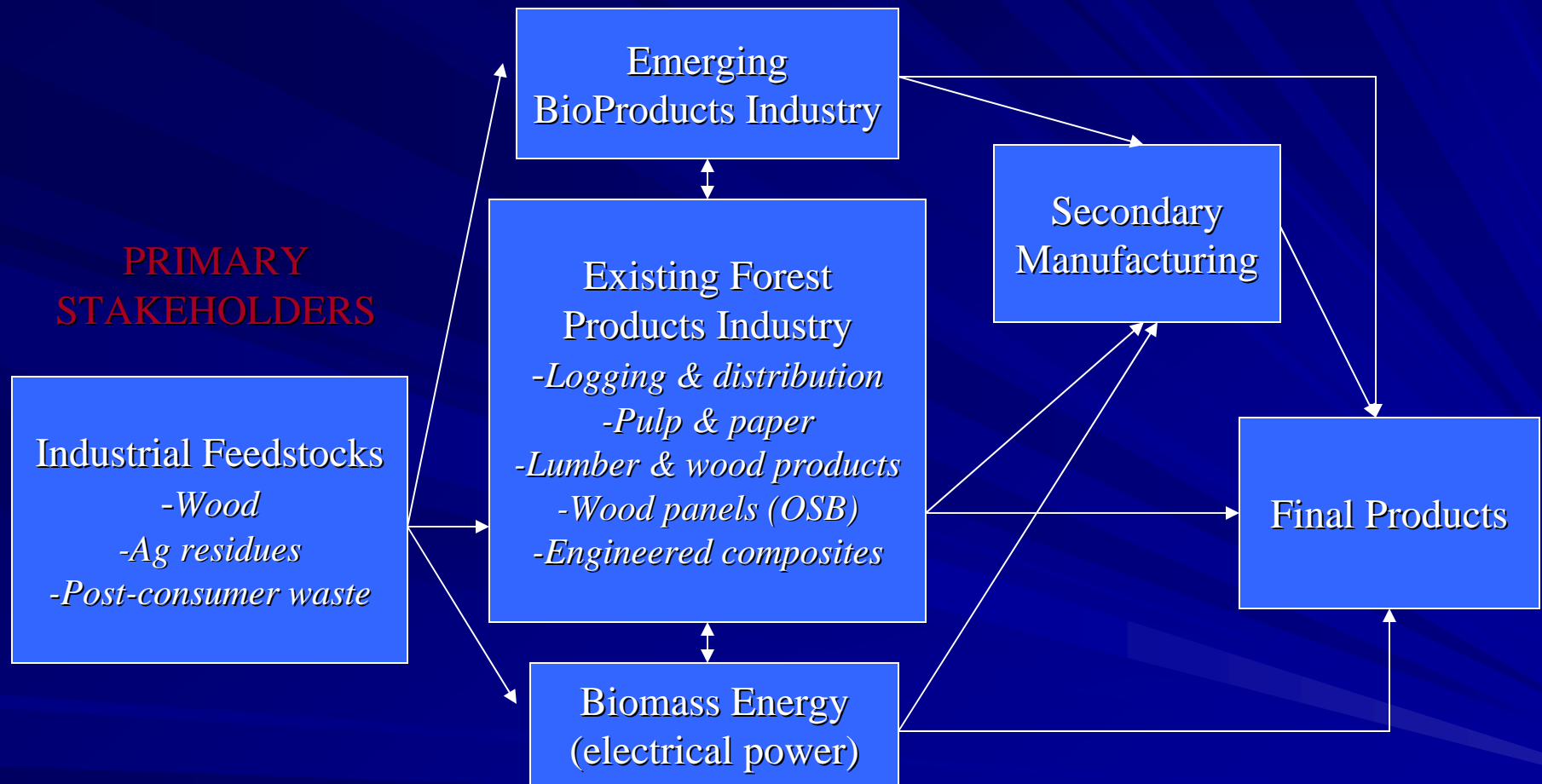


## SECONDARY STAKEHOLDERS

*State & local governments, advocacy groups & NGOs, and communities both near harvest and production locales*



# Primary & Secondary Stakeholders



## SECONDARY STAKEHOLDERS

*State & local governments, advocacy groups & NGOs, and communities both near harvest and production locales*

# Preliminary Findings...