

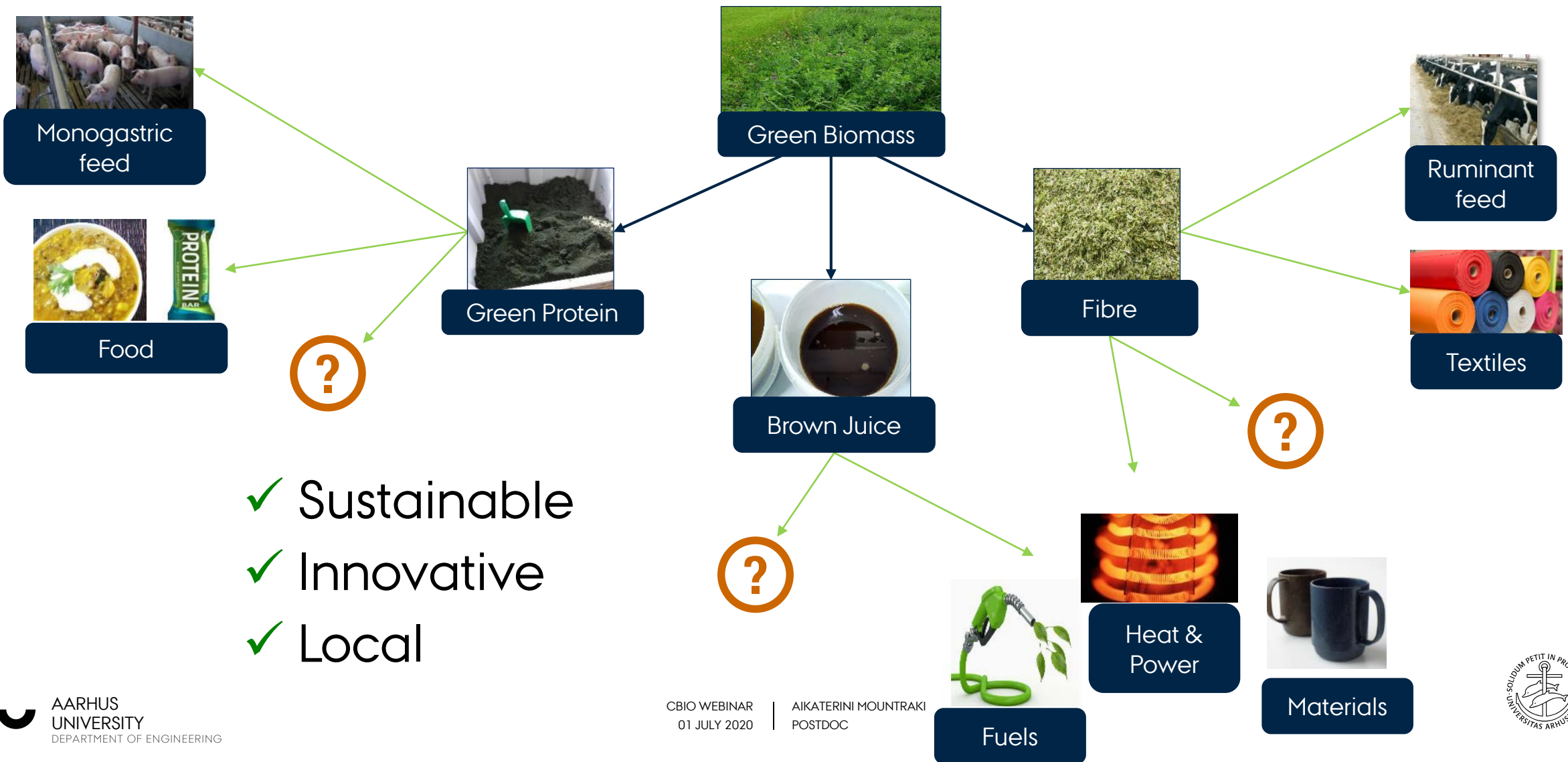
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CIRKULÆR BIOØKONOMI

# Smart Decision Making in Green Biorefineries

# Why Green Biorefineries?

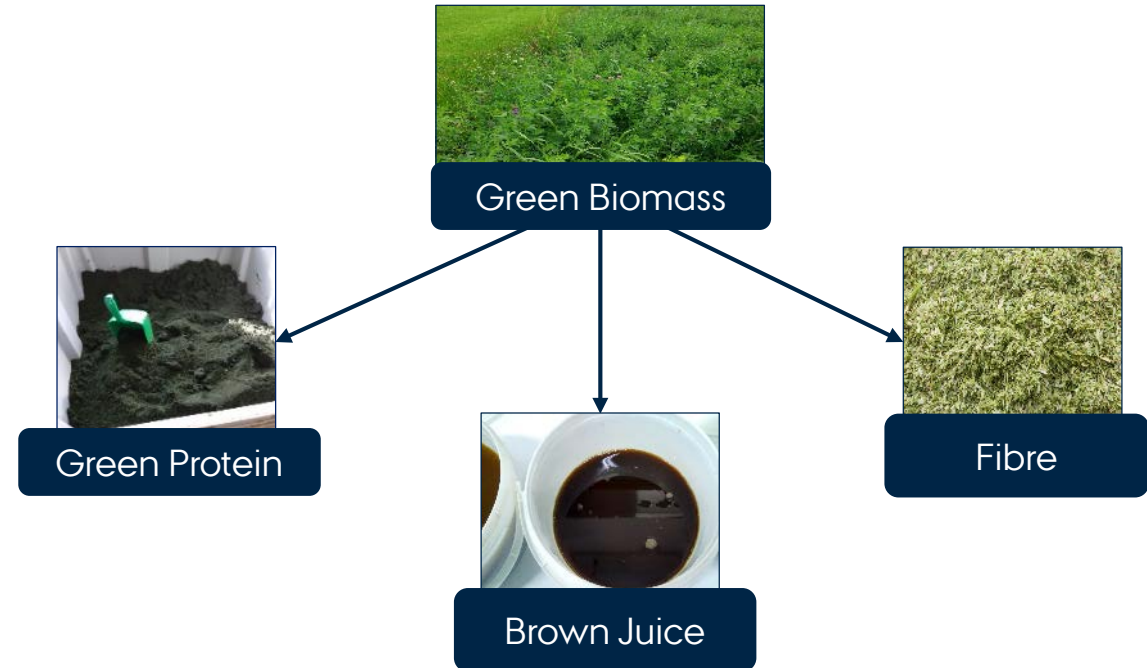


- ✓ Sustainable
- ✓ Innovative
- ✓ Local

# Challenges

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- What products ?
- Which technological option ?
- Process optimization ?
- Sustainability ?
- Which biomass ?
- Seasonality ?

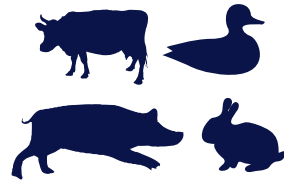


# Smart Decision Making

Cultivation & Harvesting



Biomass storage



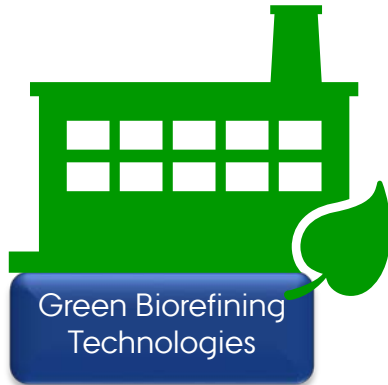
Feed



Data Flow



Analysis & Optimization



Green Biorefining Technologies



Logistics



Storage



Food



Fuel



Heat & Power



Laboratory



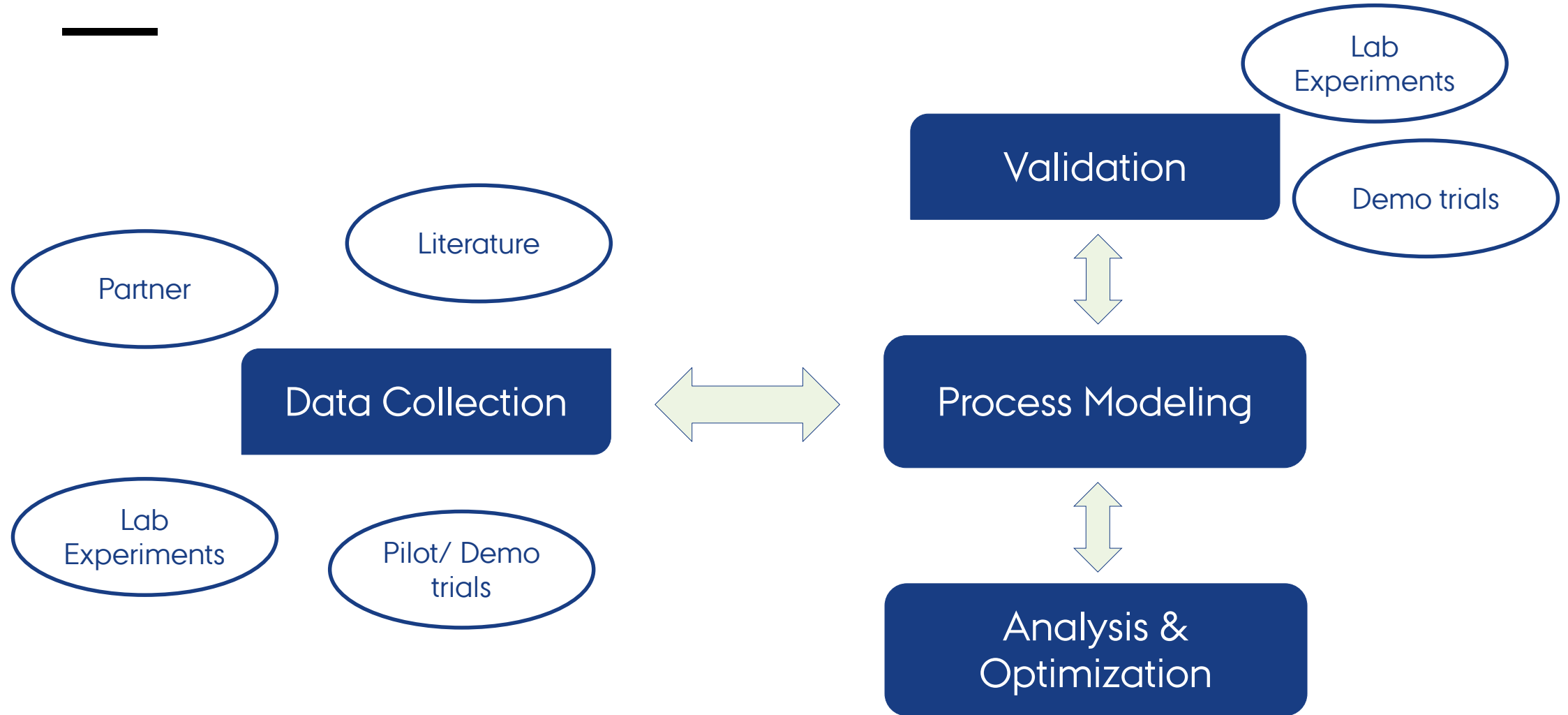
Textiles



Chemicals

- ✓ Strategic decisions
- ✓ Opportunities for innovation
- ✓ Circularity

# Systematic Approach



# The team



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Modeling and programming



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