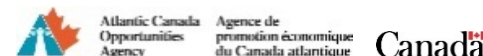
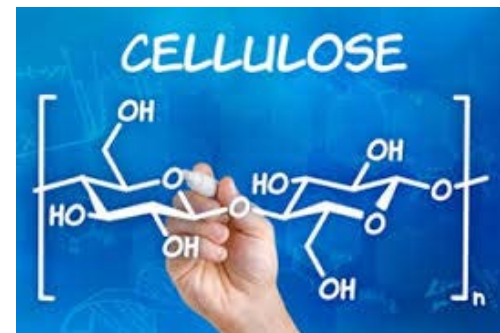


# Developing & Expanding Opportunities in the Emerging Low Carbon, Bio-Resource Economy



## Atlantic Biorefinery Conference

June 2016



# Topics

- Background
- Vision
- Mission
- Strategic Themes
- Year 1 Work – 'Taking the Pulse'
- Year 2 Plan – 'Taking Action'

# Nova Scotia Innovation Hub Background

- ❖ Established in 2015
- ❖ Objective to foster hosting conditions supportive of the Bio-Resource Industry
- ❖ Governance, strategic input & funding:
  - ❖ Nova Scotia Department of Natural Resources
  - ❖ Atlantic Canada Opportunities Agency
  - ❖ Innovacorp
  - ❖ Private Sector
- ❖ Flexible resources employed, bringing in expertise from various organizations and sectors as required
- ❖ Year 1 activity structured as partnership including:
  - ❖ FPIinnovations, a world-leading research and development institute dedicated to innovation in the forest products industry, and
  - ❖ BioApplied, a local Nova Scotia firm specialized in delivering renewable resource innovation and extensively engaged in the Nova Scotia forestry sector.

# Vision

Developing and expanding opportunities in the emerging low carbon, bio-resource economy to enhance prosperity.

# Mission

Creating and promoting robust hosting conditions for a low carbon, bio-resource economy by:

- ❖ Capitalizing on opportunities created by the growing demand for low-carbon products and processes
- ❖ Promoting and supporting innovation with SME's
- ❖ Advancing feedstock supply chain efficiency
- ❖ Fostering strong collaborations amongst all stakeholders

# Strategic Theme Priorities

1. Leadership, Communication, and Knowledge Transfer
2. Supply Chain Enhancement
3. Political and Regulatory Alignment
4. Relationship Building
5. Low Carbon Bio-Resource Industry
6. Funding



# Year 1 Work – ‘Taking the Pulse’

- ❖ Feedstock Assessments for target locations
- ❖ Fibre Supply Chain Infrastructure Assessment
- ❖ Domestic Market Opportunities of Bio-based Products
  - ❖ Heating Oil
  - ❖ Marine Fuel
- ❖ Dynamic modelling of the Forest Products Industry
- ❖ Industrial and Technological Benefit (ITB) Funding Opportunities



# Year 2 Plan – ‘Taking Action’

- ❖ Proposed initiatives under Strategic Themes - examples:
  - ❖ Increased adoption of advanced natural resource management planning and productivity tools
  - ❖ Emerging bio-resource technology assessment/scoping
  - ❖ Regulatory frameworks to encourage the bio-resource sector
  - ❖ Bio-resource market development





# Relationship Building

- This can't be done alone – Engagement & collaboration is critical to success:
  - Public & Private Sector
  - Multi-sector (Forest, Agriculture, Ocean, Waste Management)
  - Cross-regional (Atlantic Canada....maybe beyond?)



@gipryad

# Nova Scotia Innovation Hub

## Thank You!

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### PROGRAM PARTNERS