



# Canadian Wood Fibre Centre & FPInnovations Update

*Art Groot*

*Regional Co-ordinator*

*April 22, 2008*

*Forest Co-op Science Day*





# Outline

- CWFC/FPIinnovations background and structure
- CWFC Development Plan
- CWFC Research Program
- FPIinnovations Transformative Technologies





# Background

Fragmentation problem in forest sector research -2002

CFIC created - 2003

"Upstream" gap identified in Institute portfolio ~ 2004

Canadian Wood Fibre Centre launched - April, 2006

FPIInnovations merger approved - December, 2006

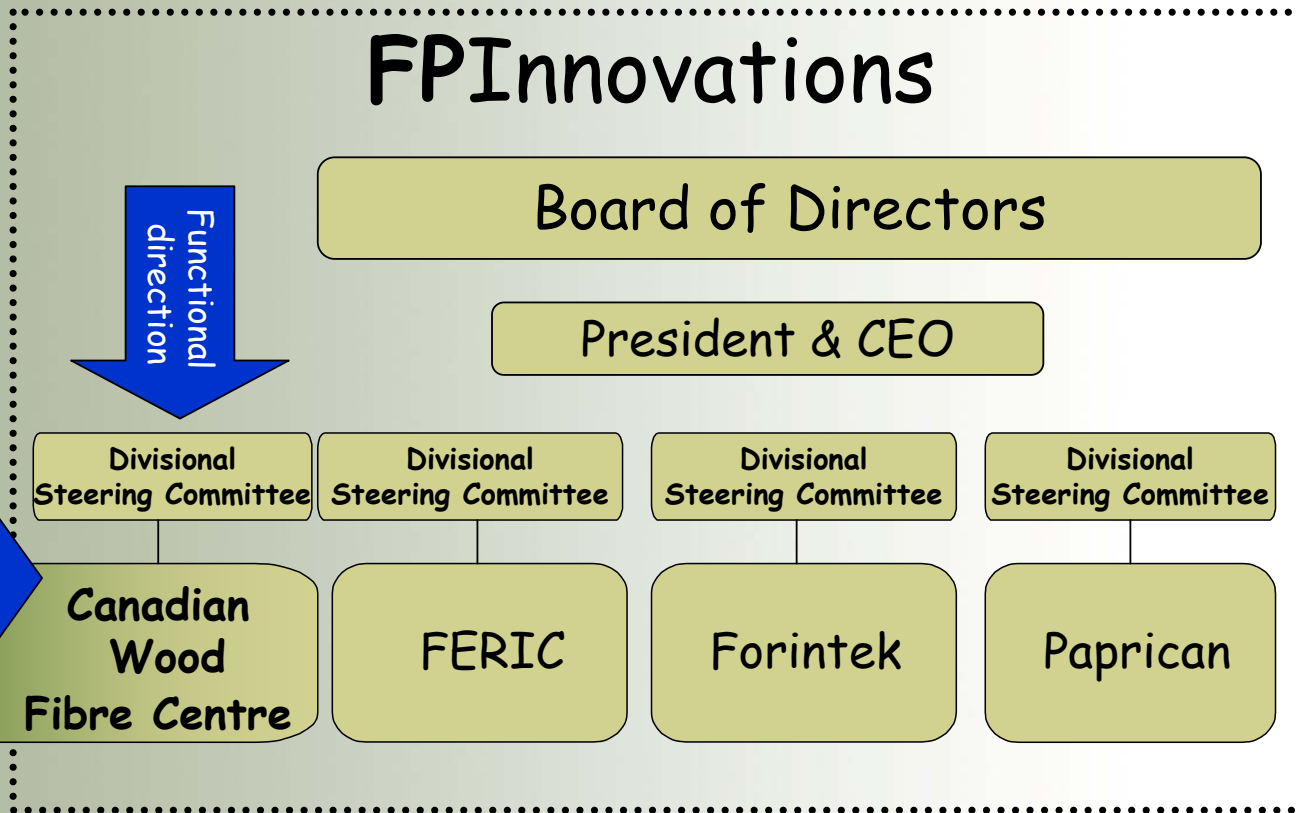




# FPIInnovations

**Canadian Forest Service**

Legal, financial & administrative direction





# FPIInnovations

Board of Directors

President & CEO

Divisional  
Steering Committee

Divisional  
Steering Committee

Divisional  
Steering Committee

Forest Resources Group  
CWFC FERIC RA/FS

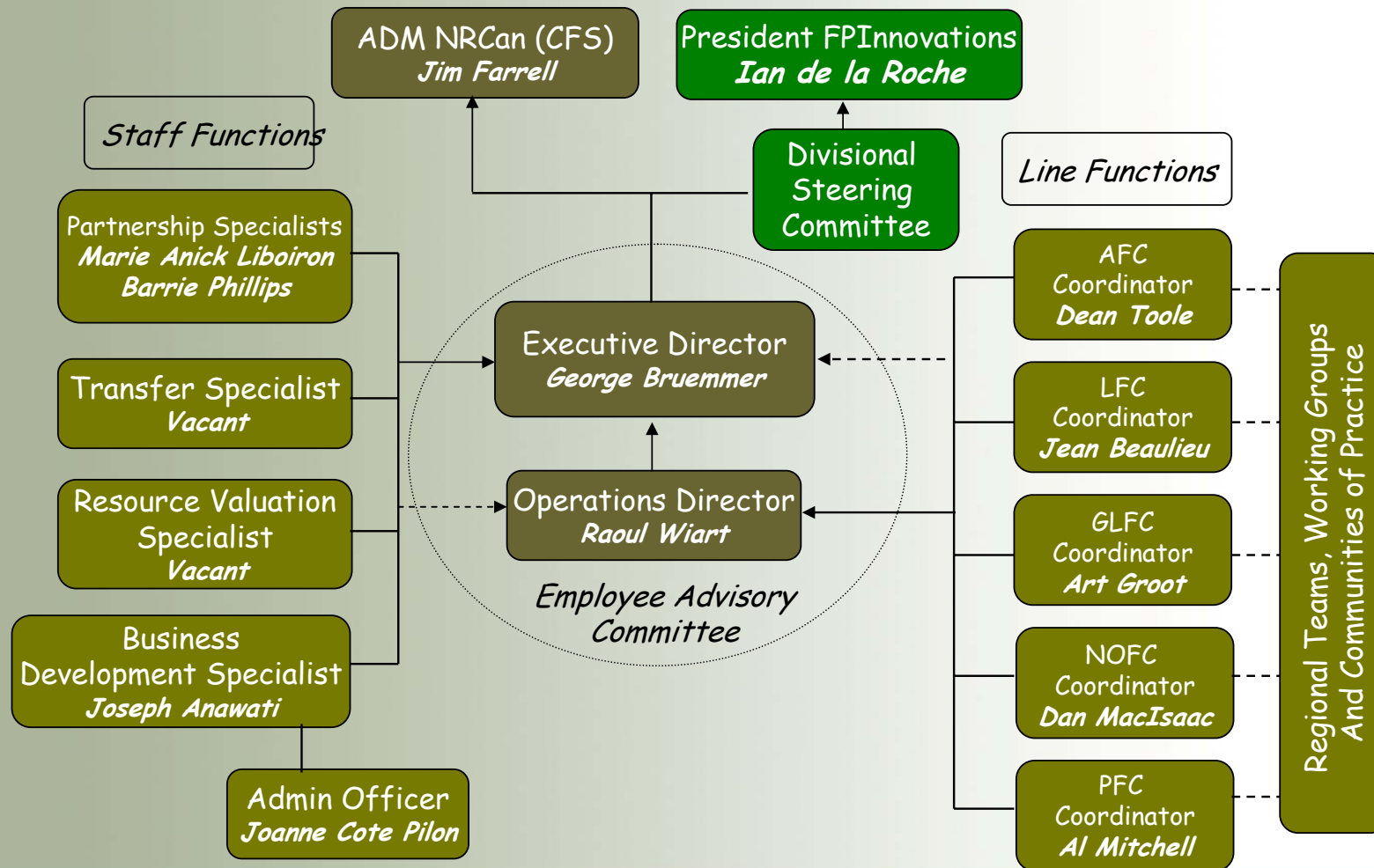
Solid Wood  
Products  
Group

Pulp and  
Paper  
Group

Canadian  
Forest  
Service



# Canadian Wood Fibre Centre Centre canadien sur la fibre de bois





## FPInnovations at CFS-GLFC

### **CWFC Researchers**

Doug Pitt

Art Groot

Suzanne Wetzel

Peter Newton

### **FERIC**


Brad Sutherland

### **FORINTEK**

Carole Blaquière





 Natural Resources  
Canada    Ressources naturelles  
Canada



**Canadian Wood  
Fibre Centre**



**Development Plan 2006–2009**

Canada



Natural Resources  
Canada

Ressources naturelles  
Canada

Canada



## Vision

*Canada's wood fibre is sustainably managed to give the forest sector a strong competitive advantage in a global marketplace*

## Mission

*The Canadian Wood Fibre Centre will create innovative knowledge to expand the economic opportunities for the forest sector to benefit from Canadian wood fibre*





# Objectives - 2006 to 2009

## 1. Develop Research Program

- Production of Desirable Fibre Attributes
- Optimization and Utilization of Canadian Fibre Value

## 2. Incite Uptake and Application

- Engage existing regional mechanisms
- Facilitate consultation and communication

## 3. Set up Structure and Function

- 4<sup>th</sup> Business Unit of FPIInnovations
- Engage provinces and industry





## Client consultations - spring 2007

- Six consultation sessions across Canada
- Joint with FERIC

ISSUE	VOTES
Regional Silviculture	25%
Enhanced Inventory	20%
Bioenergy	11%





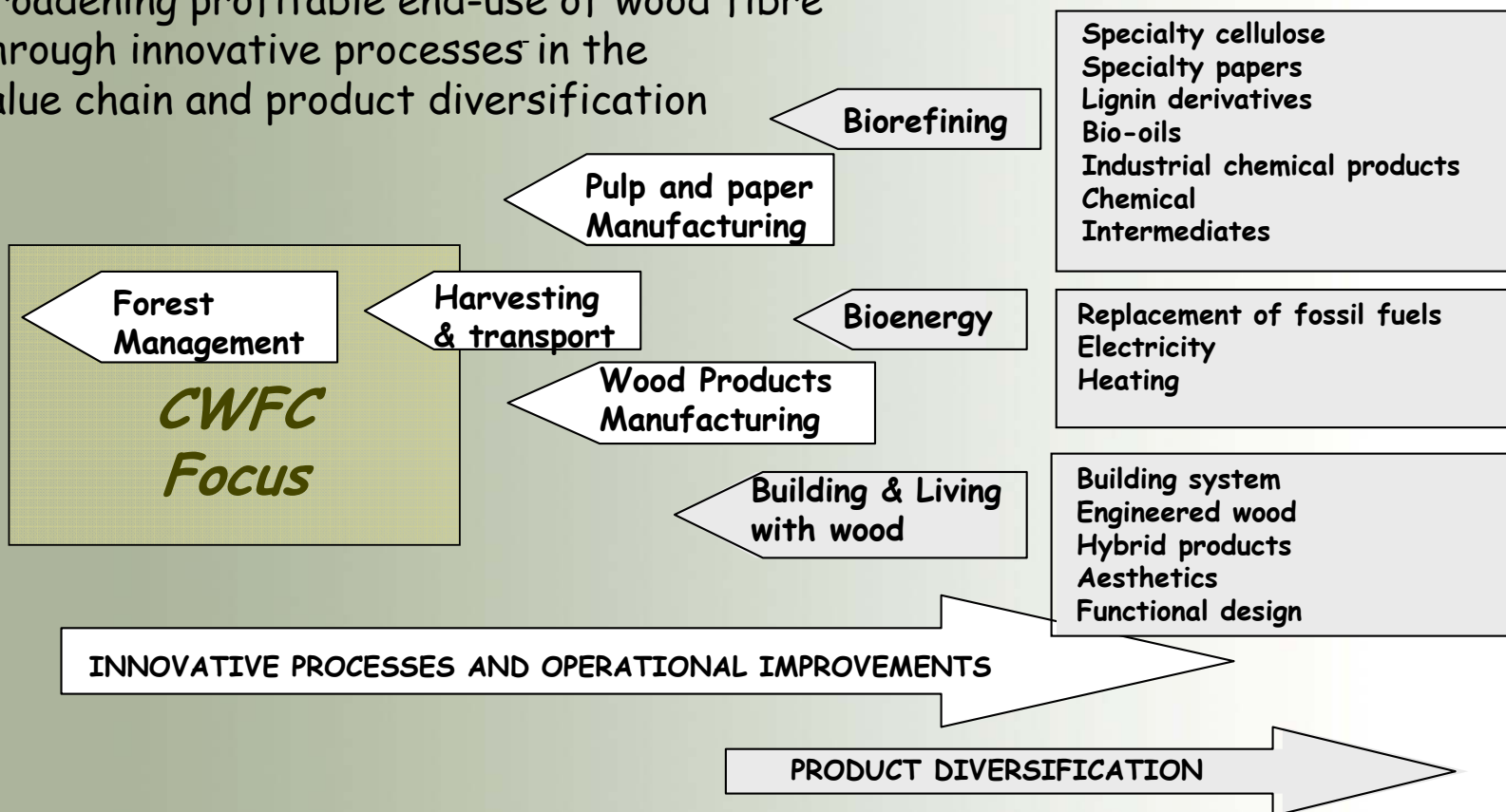
# CWFC Research Program Context

- Forest products value chain
- Fibre attributes
- Optimization
  
- FPInnovations vision: *FPInnovations works towards optimizing the forest sector value chain*





Broadening profitable end-use of wood fibre through innovative processes in the value chain and product diversification



Knowledge Strategy for a Renewed Forest Sector - FPIinnovations





## Funding (Feb. 2007)

### Forest Industry Long-term Competitiveness Strategy

- Forest sector innovation (\$70 million)
  - CWFC (\$10 million)
- Expanding Wood Market Opportunities (\$40 million)
- National Forest Pest Strategy (\$11.5 million)
- HRDSC Forest Sector Council (\$5 million)





## CWFC projects 'first round'

- Projects submitted in spring 2007
- Projects reviewed in June 2007
- 21 projects successful
- 'Lukewarm' reception by review team and ADM





# CWFC - Sault Ste. Marie Projects

- S01: CWFC Regional Marketing and Consultation with FPIInnovations Membership (Groot)
- S02: IVY-FIBRE: An Integrated Decision-support System for Predicting Tree Growth and Fibre Attributes (Groot)
- S04: Development of an Integrated Decision-support System for Jack Pine Stand Density Management (Newton)
- S07: Advanced Forest Resource Inventory Technologies (AFRIT) Project (Pitt)
- S09: Effects of precommercial thinning on the production of high-value fibre attributes: a case study in 60-year old balsam fir dominated stands (Pitt)
- Seed Money: Forest Biomass for Energy (Wetzel)






# CWFC Research Framework

- Initiated by CWFC management fall 2007
- Further developed at CWFC Science workshop, November 2007
- Basis for current round of project development





 Natural Resources Canada / Ressources naturelles Canada



**Canadian Forest Service**  
**Canadian Wood Fibre Centre**



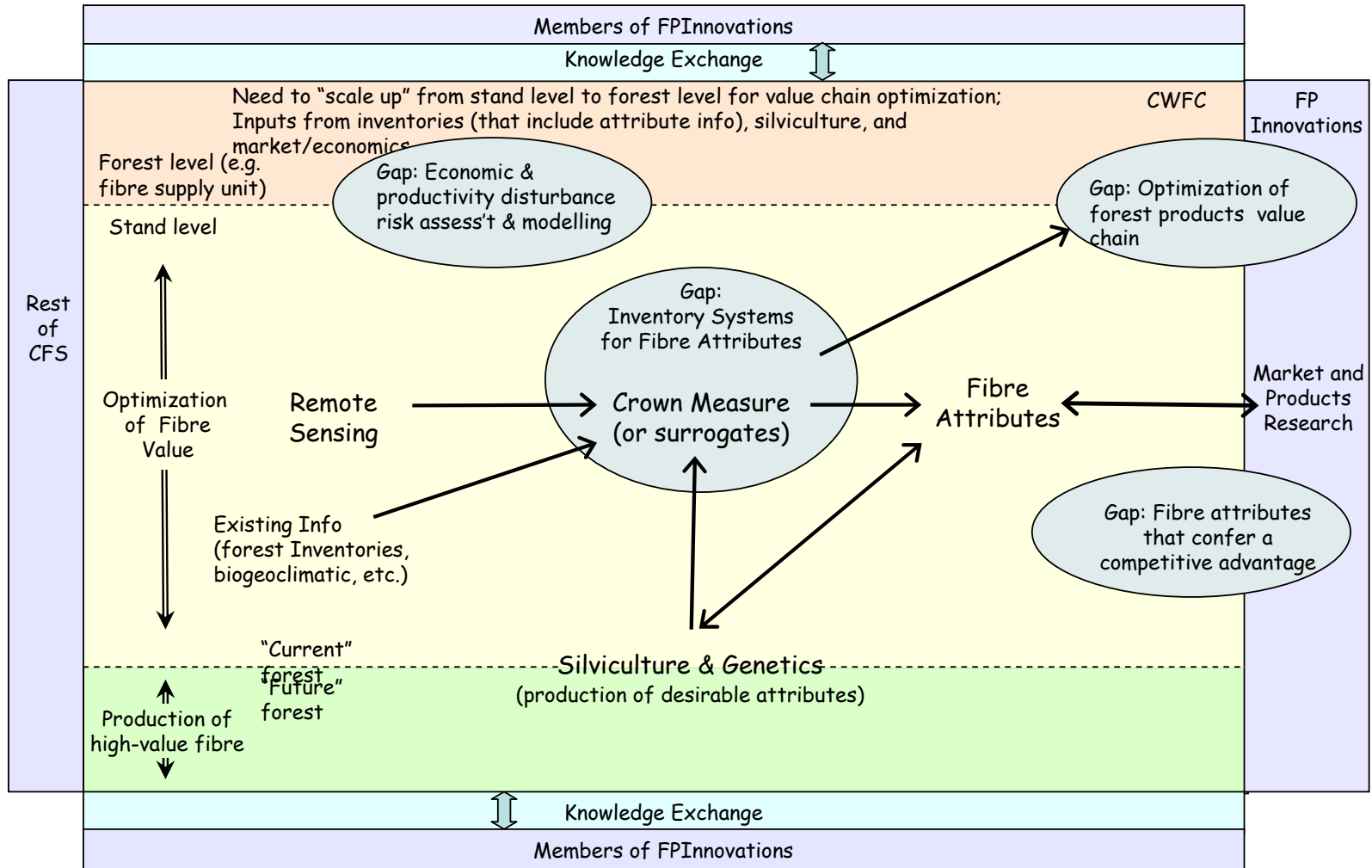
The CWFC Development Plan Research Framework,  
Themes, Gaps and Research Direction

2008/09 - 2009/10

The central graphic is a collage of four images: a cross-section of wood showing its cellular structure, a dense forest of tall, thin trees, a close-up of wood grain, and a logging machine in a forest.



## CWFC Development Plan Research Framework (March 10, 2008)





## FPInnovations Transformative Technologies Program

- Funded by federal Forest Industry Long-term Competitiveness Strategy
- Transformative - beyond current activities



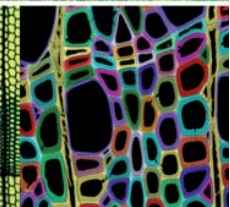
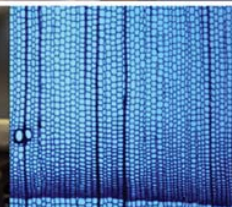
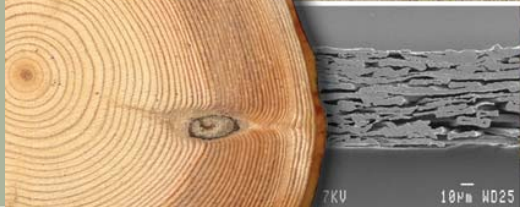
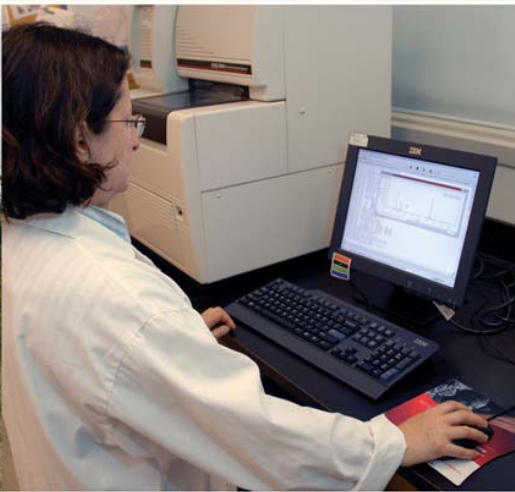


## FPInnovations Transformative Technologies Program

- Value Chain Optimization
- Next Generation Building and Living Solutions
- Next Generation Pulps and Papers
- Bioenergy, Chemicals and Advanced Bioproducts



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