



# Sustainable Forest Management in the Boreal Forest : An Industry Perspective

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Europe  
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## FPAC Members

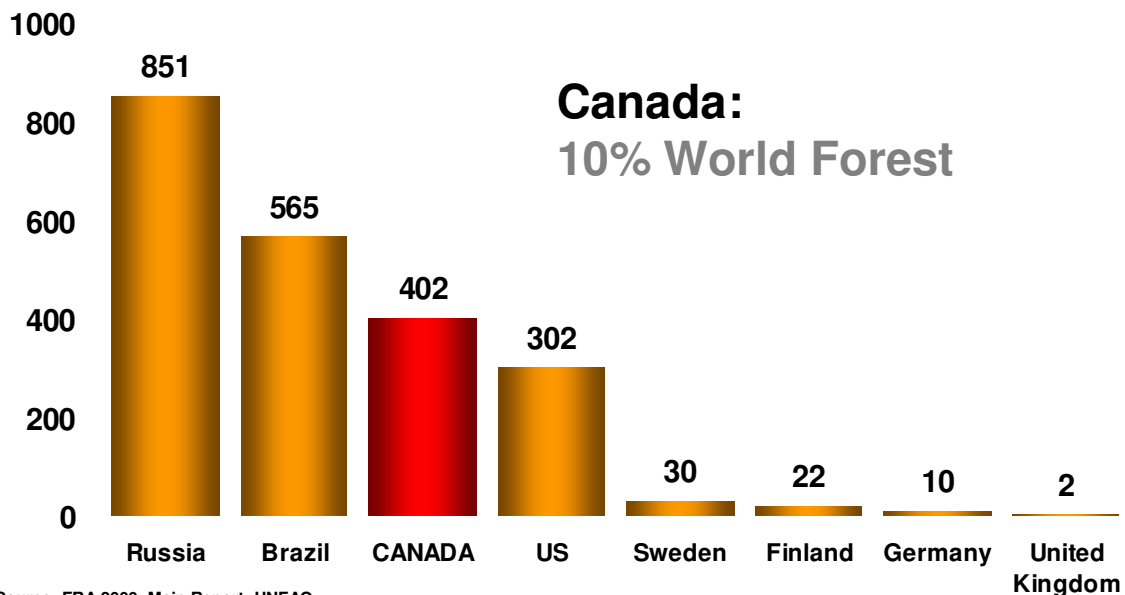


# Forestry: Cornerstone of the Canadian Economic/Social Fabric

- Sales - \$81 billion
- Exports- \$40 billion (Europe:\$2.2 billion)
- 3% of GDP
- > 860,000 direct and indirect jobs
- > 300 dependent communities
- Leading employers of Aboriginal People

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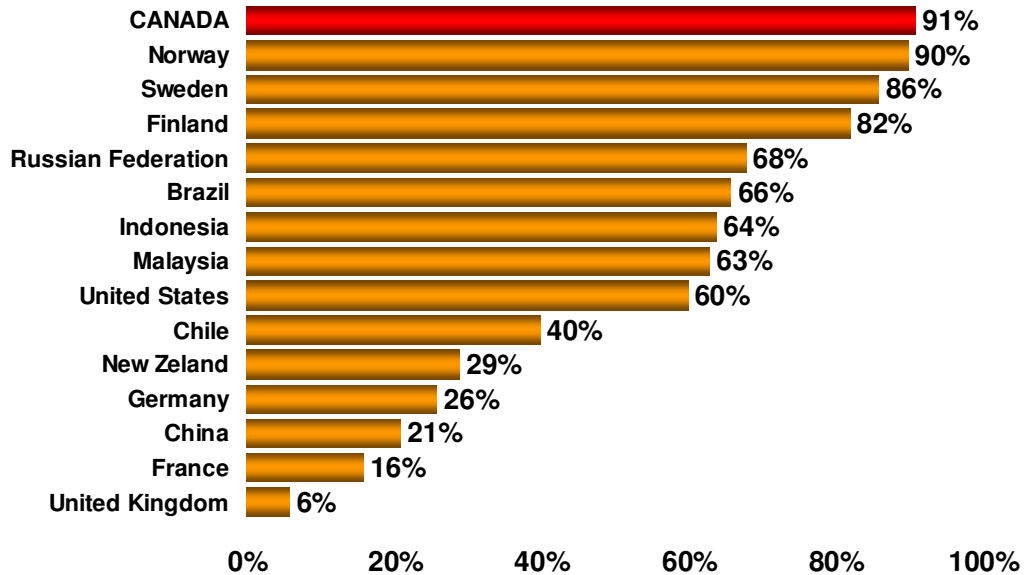
## An Immense Forested Landscape (Millions of hectares)



Source: FRA 2000, Main Report, UNFAO

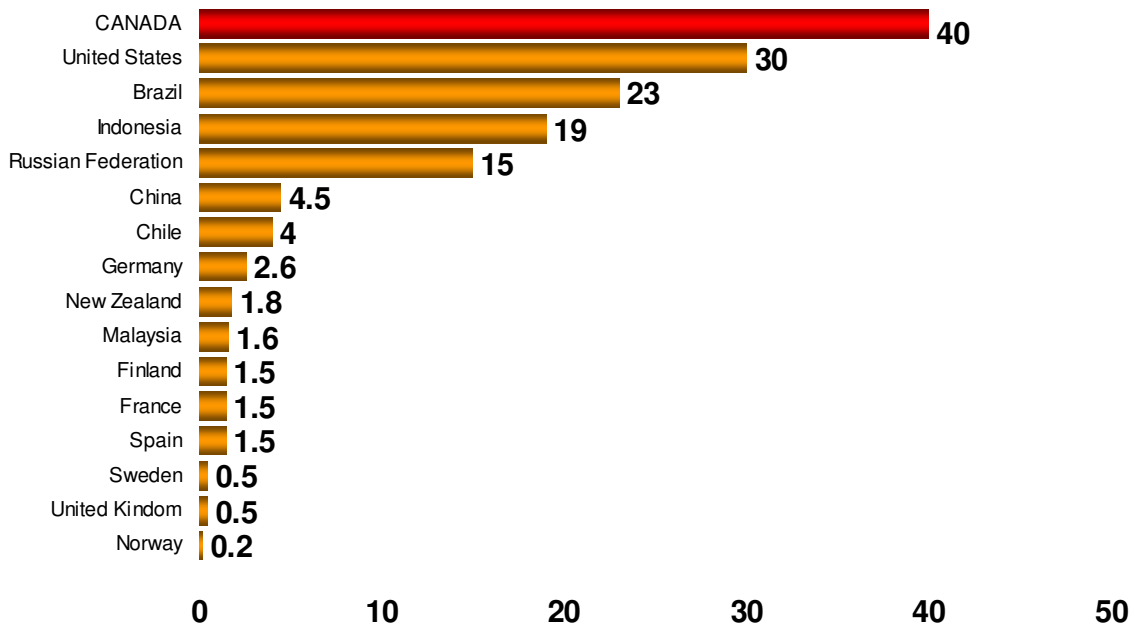
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# Today's forest as a % of Original Forest Area



Source: Earth Trends 2001, World Resource Institute, Forests and Grasslands country reports

# Protected Forest Area (million ha)



Source: A Global Overview of Forest Conservation, WCMC, UNEP, CIFOR, 1997

# New Boreal National Park in Northwest Territories (21/11/07)

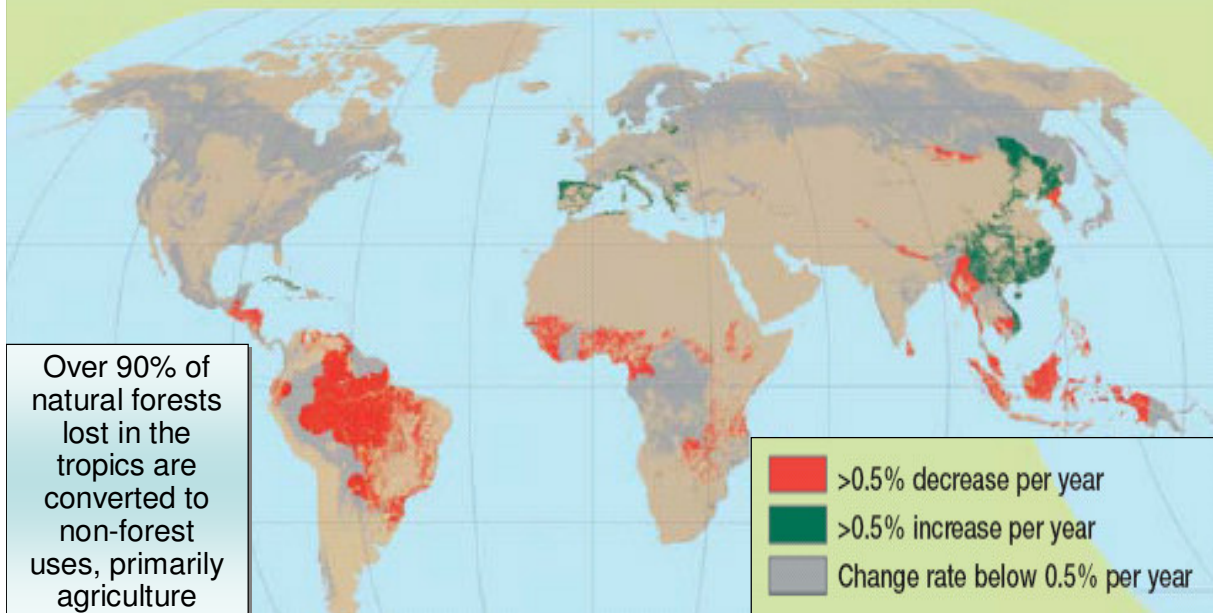
- 10 million ha of Boreal region (2.5 X NL)
- Largest land conservation initiative in Canadian history.
- Plus interim protection of 62,000 km<sup>2</sup>



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## Deforestation : 20% GHG Emission

### Countries with high net change in forest area, 2000–2005

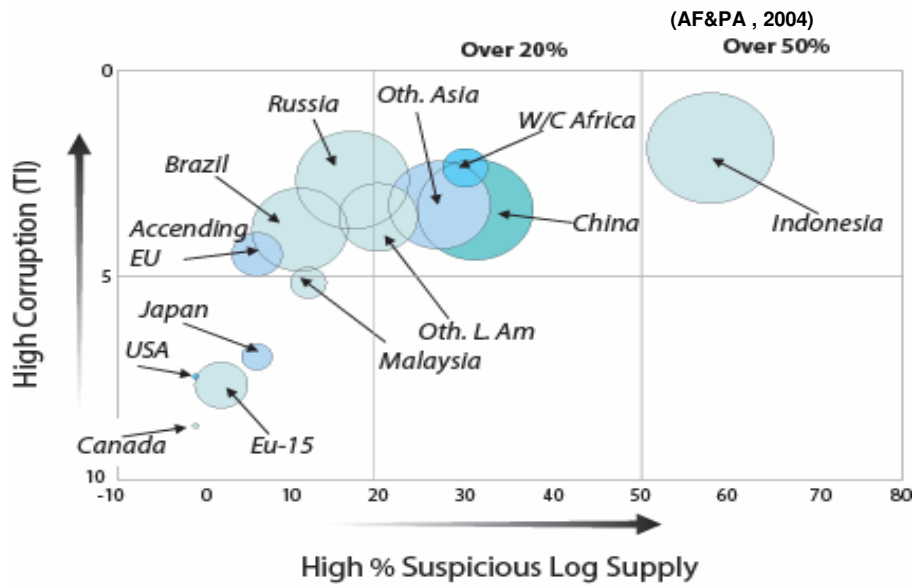


Over 90% of natural forests lost in the tropics are converted to non-forest uses, primarily agriculture

Red: >0.5% decrease per year  
Green: >0.5% increase per year  
Grey: Change rate below 0.5% per year

# No Illegal Logging

## Corruption and Illegal Forest Activity



Note: Size of bubbles represents volume of suspect roundwood, including imports. Sources: Transparency International; WRI/SCA estimates of illegal logging, in American Forests & Paper Association 2004

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# The boreal forest is a global endowment.

- **Largest terrestrial ecosystem on earth (17 million km<sup>2</sup>)**
  - 50% in Russia
  - **30% in Canada**
  - 10% in Alaska (U.S.A.)
  - 10% in Scandinavia
- **Similar forest types across boreal countries**
  - Covered primarily by coniferous forests (e.g. spruce, pine, fir)



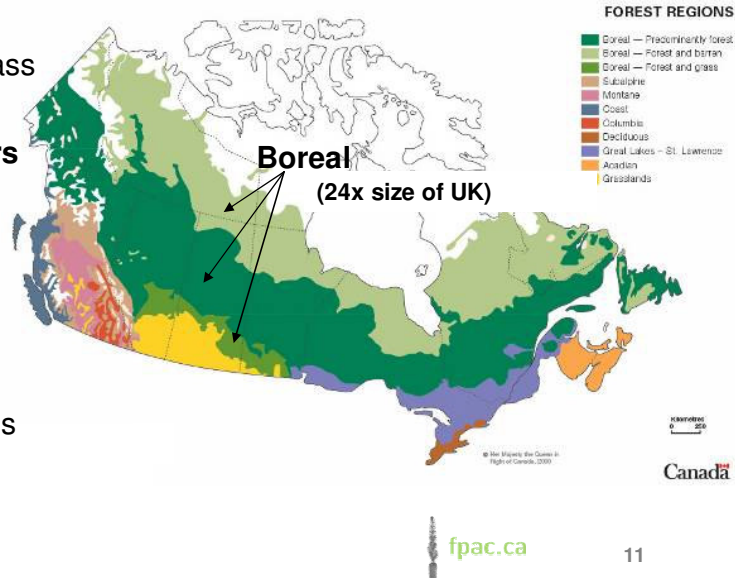


# Canadian Boreal: An Important Landscape

Forest Products  
Association of Canada  
fpac.ca

Association des produits  
forestiers du Canada  
fpac.ca

- Largest Forest Region
  - **6 million square km**
  - 58% of Canada's land mass
  - 95% is public land
  - **Average age is 100 years**
- Multiple values
  - 1300 rural communities
  - 75% of sector's fibre
  - 50% of annual harvest
  - 30% of Canada's wetlands
  - Many wildlife species
  - **70% un-accessed**



# Large Natural Disturbance Drives the Boreal Ecosystem

Forest Products  
Association of Canada  
fpac.ca

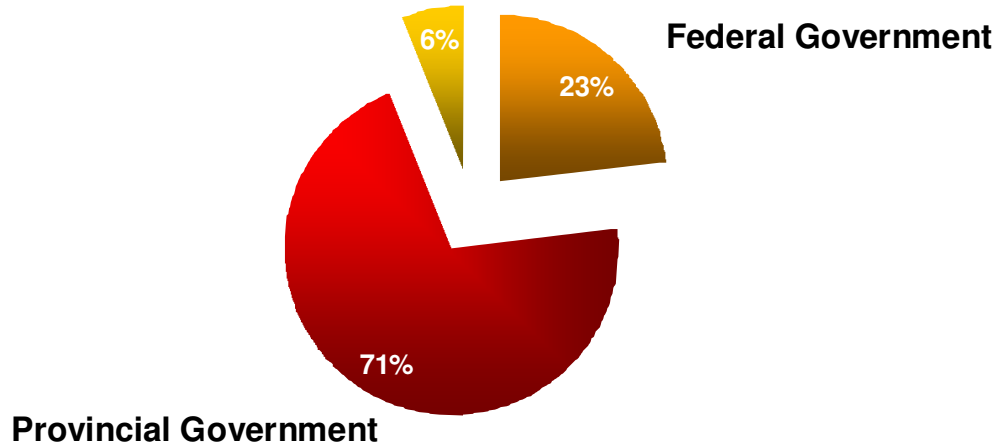
Association des produits  
forestiers du Canada  
fpac.ca

Fire and insects account for  
80% of boreal disturbance



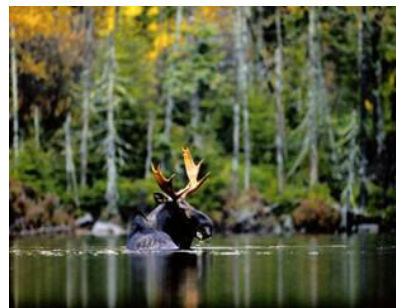
## Ownership Of Canadian Forests

425,000 Private Landowners



Source: Canadian Forest Service, State of Canada's Forests

## Sustainable Forest Management



## How do Canadian Regulations Compare?

- Protected areas
- Species at Risk
- Certification
- Riparian Protection
- Clearcutting
- Road Construction
- Reforestation
- Allowable harvest

“This Report demonstrates that the stringency of Canadian forestry regulations compare with the most stringent of policies elsewhere in the world. In most cases, Canadian policy and regulation is non-discretionary and involves specific requirements. Results of this study indicate that Canada is well positioned to begin much needed global efforts to address important problems concerning the world's forests”

— Benjamin Cashore, Associate Professor,  
Sustainable Forest Policy, School of Forestry  
and Environmental Studies, Yale University

## Continuous Improvement in Forest Practices

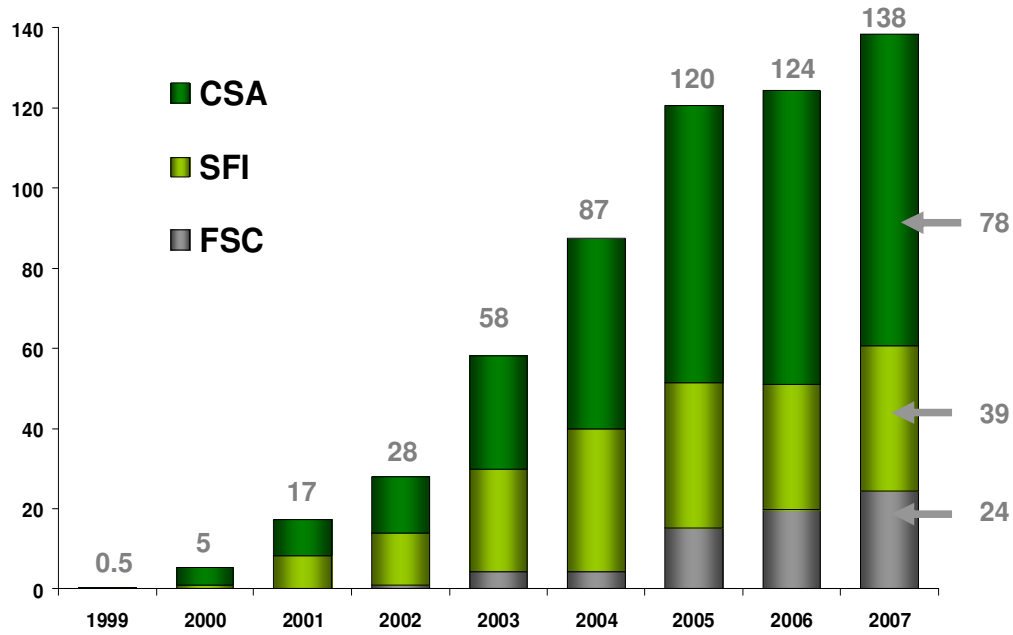
- Ecologically-based forest management
- Harvesting practices reflect the natural evolution of the forest, new scientific information and evolving societal values
- Harvested areas have different sizes and shapes to reflect natural dynamics
- Allowance for wildlife habitat conservation & needs of other users





## SFM Certification in Canada: 1999-2008

millions of hectares certified as at Jan 2008



Source: Canadian Sustainable Forestry Certification Coalition

## Fiber Sources for P&P

Source	Canada	U.S.	Combined
Residues	55%	10%	22%
Recycled paper	24%	37%	34%
Trees	21%	53%	44%

Source: Metafore Paper Cycle Study 2006

# FPAC Market Leadership Program

## Goal

- Market recognition of Canadian Forest Products Leadership in Sustainability and Environmental Performance

## Audiences

- Customers/ Market Influencers/ Regulators

## Approach

- Transparent and Proactive
- Science-based
- Partnership Solution-oriented
- Influential to operations ( walk the talk)
- Maintain “moral high ground”

# Tools for Customers

Customer Web Page: [www.fpac.ca](http://www.fpac.ca)

## Fact Sheets on Key Issues

- Air Quality
- Boreal Forest
- Certification
- Climate Change
- Green Procurement/Financing
- Harvesting Methods
- Illegal Logging
- Old Growth
- Recycling
- Water Quality
- Woodland Caribou

## Publications

- Customer Newsletter
- Buyers Guides (Wood & Paper)



# An Opened and Transparent Approach

Customer Tours: From US & Europe



Quebecor World



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# FPAC Sustainability Initiative



### FPAC Vision

A leader in advancing the global competitiveness and sustainable stewardship of the Canadian forest products industry.

### FPAC Sustainability Statement

The Canadian forest products industry contributes to society's well-being through its products and activities - from forest to market. FPAC members are committed to a sustainable development path built on a profitable and competitive industry.

*We will operate in a manner which is: Economically viable, Environmentally responsible, Socially desirable*

#### Economic Viability

*To maintain the profitability of our industry as the basis for sustainable development*

- Financial viability:** Ensure the profitability of our industry and its long-term economic viability.
- Competitiveness:** Continuously improve the competitiveness of our industry within the global marketplace.
- Customer focus:** Develop and deliver quality products and services to meet present customer and future market needs.

#### Environmental Responsibility

*To ensure our activities are conducted in a sustainable manner that protects the environment*

- Environmental performance:** Comply with all applicable regulatory requirements and continuously improve the environmental performance of our operations.
- Sustainable forest management:** Practice sustainable forest management in all our operations in accordance with recognized standards, and ensure wood supply is from legal sources.
- Resource use:** Continuously improve the efficient use of natural resources, material, and energy.
- Product Recycling:** Promote and continuously improve product recovery and re-use

#### Social Desirability

*To conduct our business with integrity and reflect evolving societal values in our performance*

- Our employees and workplace safety:** Provide economic opportunities and a safe and productive work environment for our employees and contractors.
- Community and stakeholder relations:** Engage our stakeholders in a proactive and transparent manner, and be respectful of their interests.
- Relations with Aboriginal Peoples:** Be respectful of the economic and cultural interests of Aboriginal Peoples, and encourage their participation in the forest products industry.
- Economic contribution:** Contribute to the economic and social well-being in communities where we operate, as well as regionally and nationally.

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# FPAC Commitments

## Certification (2002)

- All FPAC members with woodlands operations in Canada are committed to achieve third-party sustainable forest management certification on those woodlands by December 31, 2006.

## Traceability (2006)

- FPAC members commit to tracing their fibre supplies back to the forest area of origin, by the end of 2008, to assure customers that the wood fibre they are using comes from legal sources."

## Illegal Logging (2006)

- "...Purchasing and using wood coming only from legal sources, and firmly condemning corruption and criminal activities related to illegal logging.

## New Allocation (2006)

- Planning for conservation of ecological and cultural values prior to new forest tenures in unallocated part of Canada's boreal forest

# Progress through Partnerships



High Value Forest Identification Toolkit

Protected Areas Representation Analysis



Clarification of areas for Special Management



Ducks Unlimited Canada  
 CANADA'S CONSERVATION COMPANY

Boreal Wetland System Mapping  
 (via member-specific projects)

Hydrological Risk Mapping



Road Best Management Practices

rate of cut, block size & block location guidelines

Least cost / ecological risk road network and harvest schedule



Boreal Conservation Planning Workshop

(Govt, industry, engo, aboriginal)



Commonly supported boreal conservation planning principles



## A Partnerships Approach

### Canadian Forest Industry Value Chain Carbon Profile

- Full value chain::Forest to Landfill Emission
- Built on global assessment (NCASI & University of Washington)
- Based on data & methods from IPCC, FAO, IEA



**ncasi**

### Advisory Group

- Rockefeller Brothers
- World Wildlife Fund Canada
- World Resources Institute
- NCASI
- FPInnovation
- Pembina Institute
- Canadian Forest Service



**THE PEW CHARITABLE TRUSTS**

## A Unique Climate Change Commitment

**“ Industry-wide carbon-neutrality by 2015 without the purchase of carbon offset credits”**



**Joint FPAC/WWF Press Release  
October 31<sup>st</sup> 2007**

# Canada: A Sustainable Supplier

**SUSTAINABILITY**

**COMPETITIVENESS**

**SOCIAL LICENCE**

**PARTNERSHIP**

**PROACTIVE**

