Clean Technology Innovation and Contribution to Export Diversification

Canadian Clean Technology Coalition

Céline Bak Follow on Presentation to the Standing Committee on Natural Resources April 23, 2013

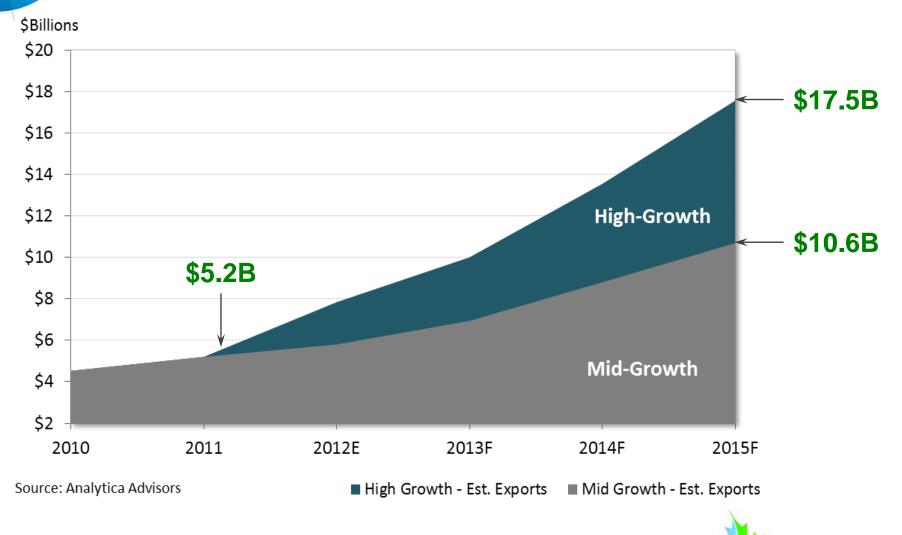


The Standing Committee of the House of Commons on Natural Resources is further examining the potential importance of market diversification for future energy and economic growth. The Canadian Clean Technology Coalition will address the following:

- The potential of clean technology exports as part of merchandize exports and as part of competitiveness of energy exports by reviewing...
 - The significance of merchandise exports to Canada's economy
 - The significance of SME exports as part of merchandize exports
- The specific countries that Canadian clean technology companies regard as priorities for exports and for demonstration
- The role of IP protection for innovation-based exporters such as Canadian clean technology companies



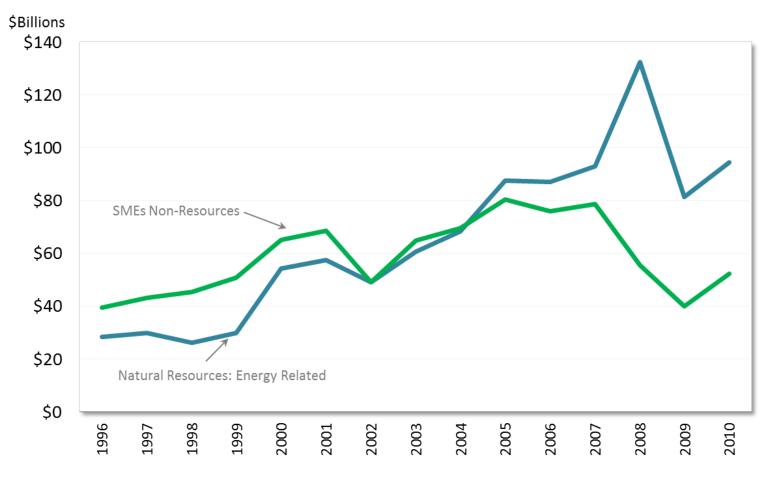
HOW SIGNIFICANT CAN BE CANADIAN CLEAN TECHNOLOGY EXPORTS?



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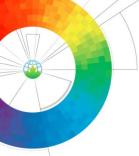
THE CANADIAN CLEAN TECHNOLOGY COALITION

SME CONTRIBUTION TO EXPORTS: EXPORTS OF ENERGY-RELATED RESOURCES BASED PRODUCTS VS SME NON RESOURCES BASED EXPORTS

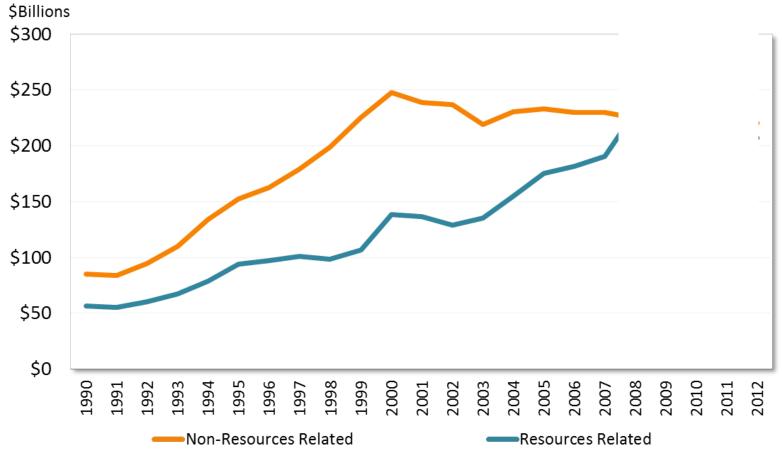


Data Source: DFAIT- Office of the Chief Economist, Statistics Canada; Source: Analytica Advisors



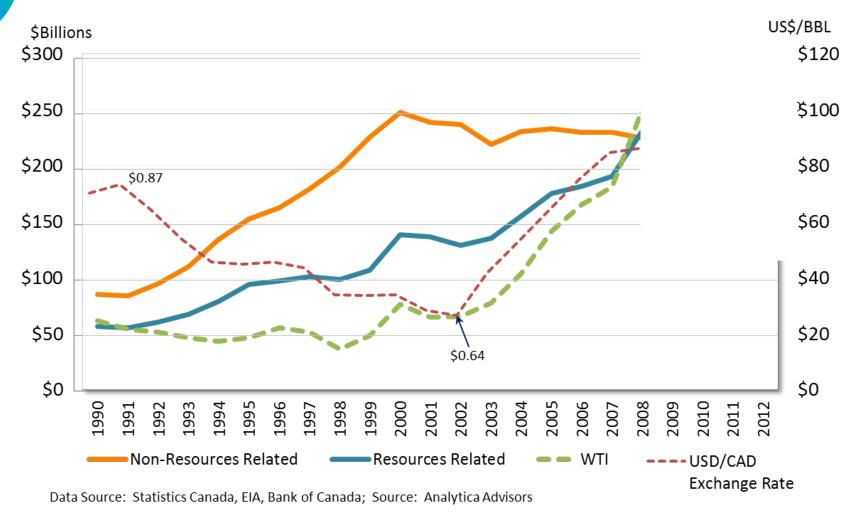


UNDERSTANDING CONTEXT: CANADIAN DOMESTIC EXPORTS



Data Source: Statistics Canada; Source: Analytica Advisors

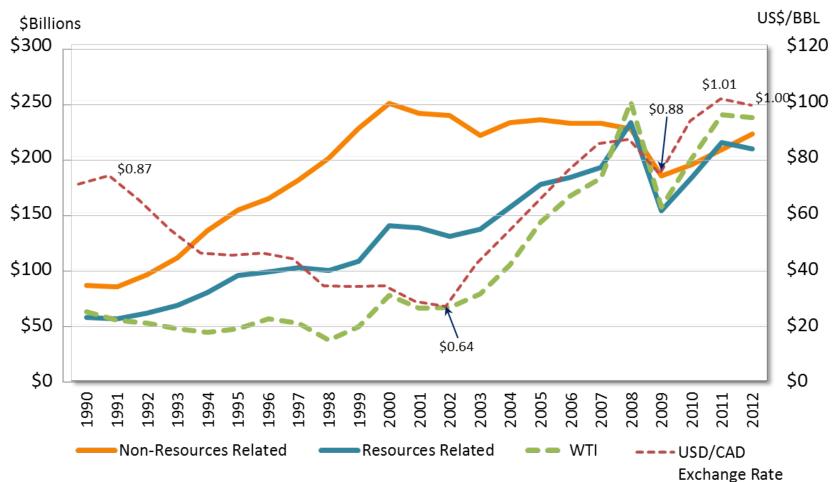
UNDERSTANDING CONTEXT: CANADIAN DOMESTIC EXPORTS



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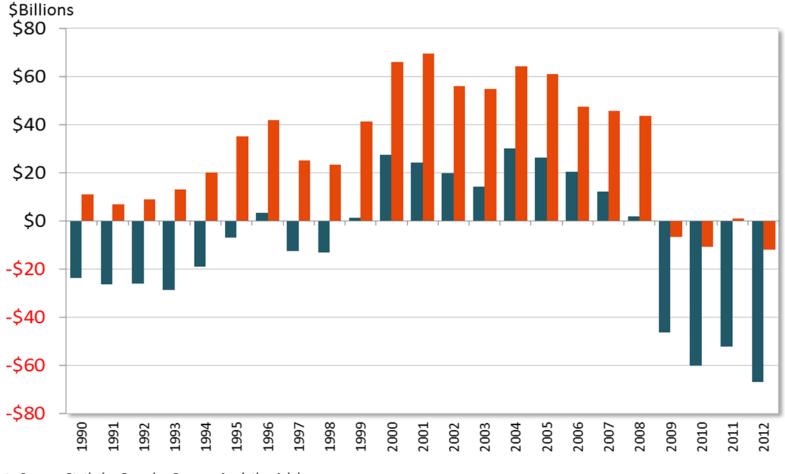
UNDERSTANDING CONTEXT: CANADIAN DOMESTIC EXPORTS



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Data Source: Statistics Canada, EIA, Bank of Canada; Source: Analytica Advisors

CANADA'S CURRENT ACCOUNT AND TRADE BALANCES



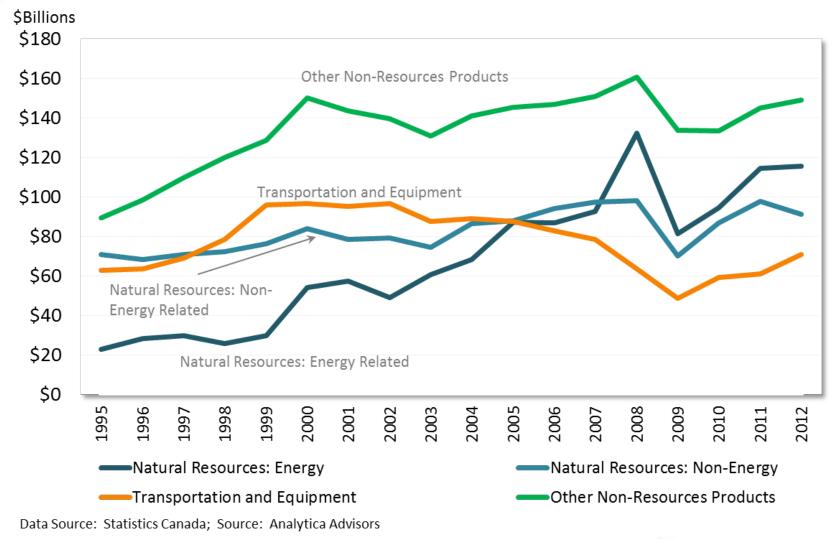
Data Source: Statistics Canada; Source: Analytica Advisors

Current Account

Trade Balance

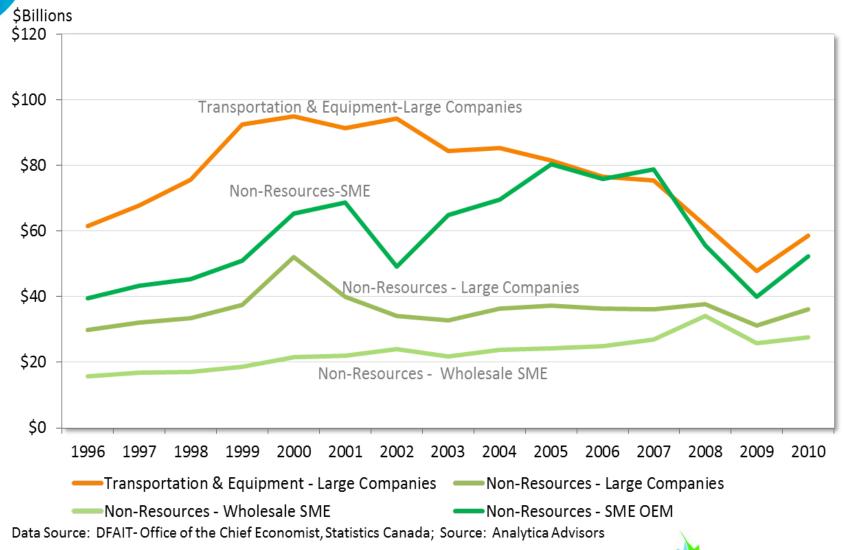


CANADIAN NATURAL RESOURCES AND NON-RESOURCES-RELATED EXPORTS





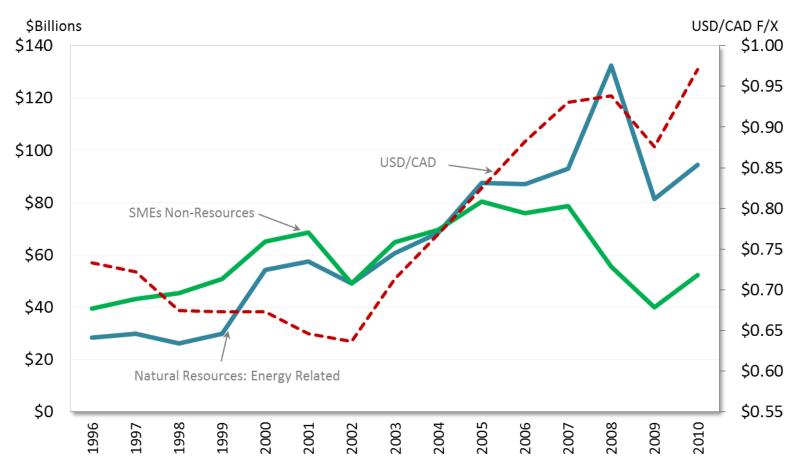
EXPORTS OF NON-RESOURCES BASED PRODUCTS BY FIRM SIZE



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SME CONTRIBUTION TO EXPORTS: EXPORTS OF ENERGY-RELATED RESOURCES BASED PRODUCTS VS SME NON RESOURCES BASED EXPORTS



Data Source: DFAIT- Office of the Chief Economist, Statistics Canada; Source: Analytica Advisors





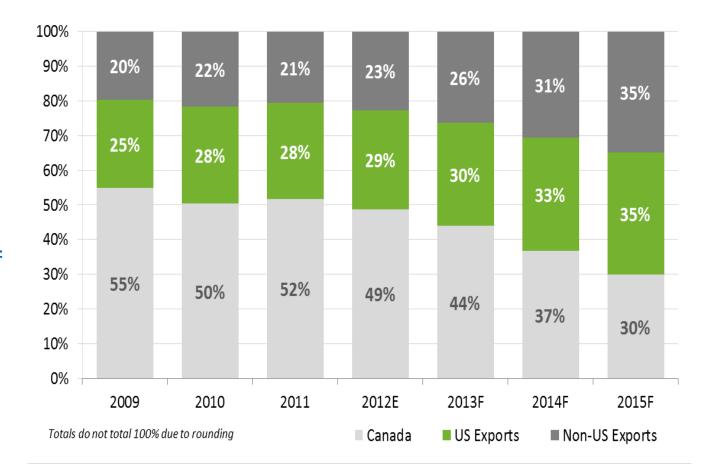
Clean Technology export revenues come from many countries

- Europe second largest export market after the US
- 82% of companies exporting
- 51% to markets other than the US



HOW SIGNIFICANT CAN BE CANADIAN CLEAN TECHNOLOGY EXPORTS?

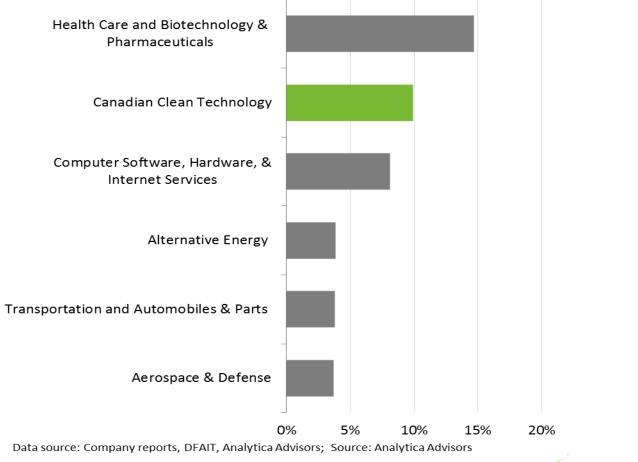
- \$5 billion in exports during the EU credit crisis and continued US weakness
- By 2015 70% of revenues will come from export sales





THESE COMPANIES ARE MORE LIKE PHARMACEUTICAL COMPANIES THAN TRADITIONAL MANUFACTURING COMPANIES

2011 R&D Expenditures as Percentage of Revenue





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FOR AN EXPORT-INTENSIVE INNOVATION INDUSTRY....

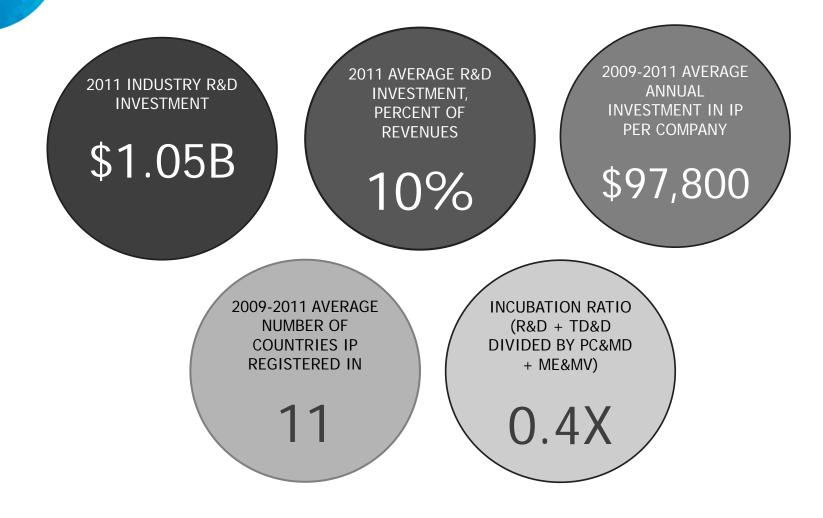


¹ Ranked in order of number of citations

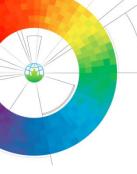
² Ranking order within list of 242 countries, beginning at number one as the most frequently cited by clean technology companies as a country of priority for exports and demonstration.



.... IP PROTECTION IS FUNDAMENTAL TO EXPORT STRATEGIES







DIRECT ENGAGEMENT WITH LARGE GLOBAL CORPORATIONS CRITICAL TO EXPORT SUCCESS

Top Channel to Multinationals (MNE):

By Frequency: Direct to MNE

Most Effective or Successful Channel: Direct to MNE CHANNELS TO MULTINATIONALS: RANKING BY FREQUENCY OF USE AND EFFECTIVENESS

- 1. Direct to MNE
- 2. Via Strategic Partner
- 3. Via Agent or Distributor
- 4. Via Supply Chain Tier



Thank you



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