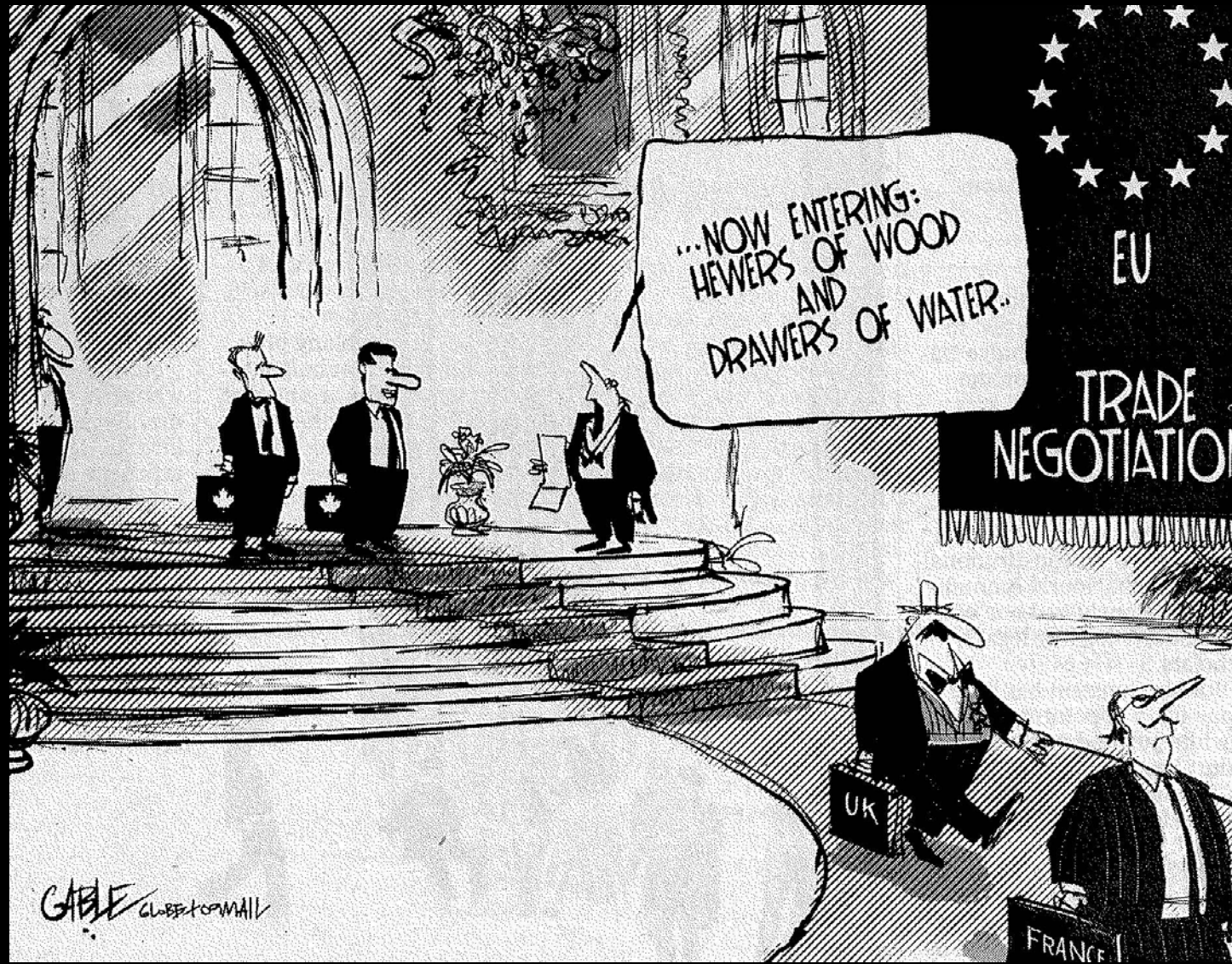


Building the World's Leading Bio-Based Economy

Peter Brenders, BIOTECanada
Public Policy Forum Roundtable
May 11, 2009

THE CANADIAN BLUEPRINT
BEYOND MOOSE AND MOUNTAINS



Going beyond tradition

- Rich stores of natural resources
- Breathtaking landscapes
- Impressive wildlife

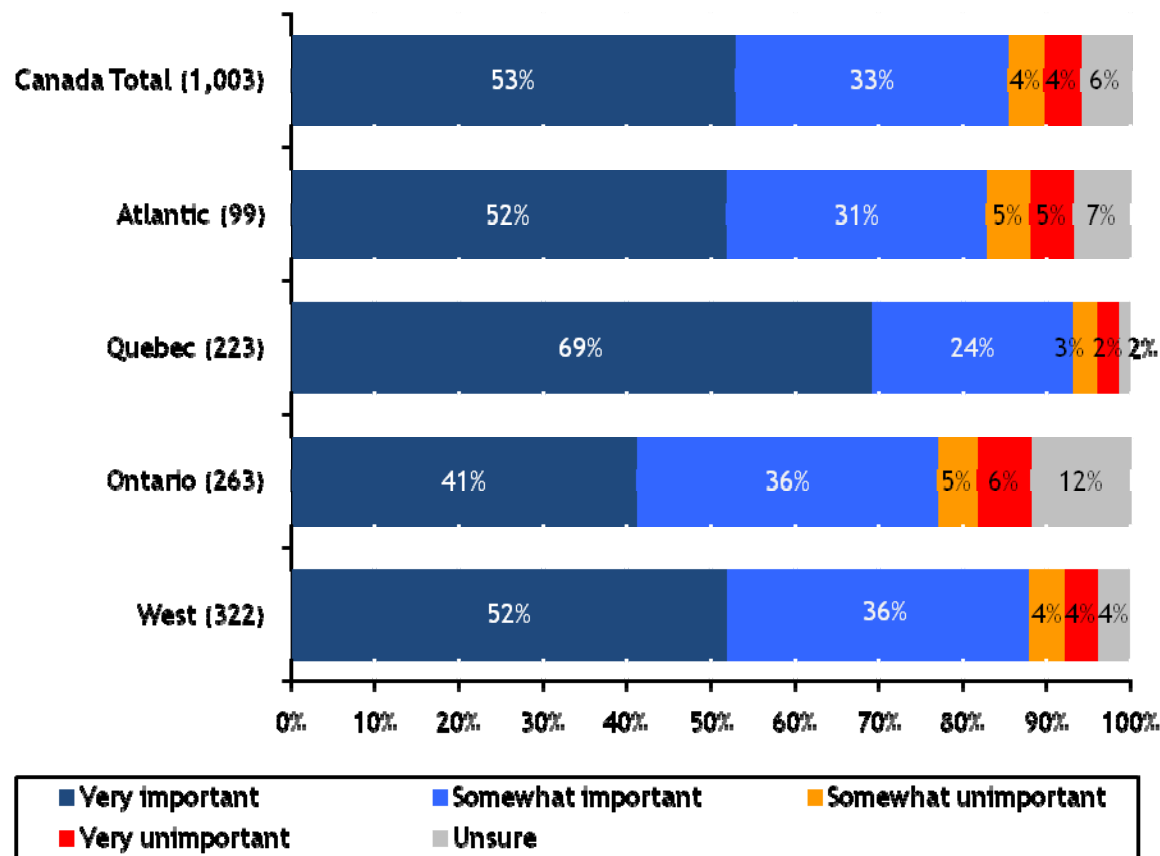
THE CANADIAN BLUEPRINT
BEYOND MOOSE AND MOUNTAINS

Going beyond tradition

- Leader in
 - Science and innovation
 - Learning and growth
 - Development and technology
- Biotechnology and bio-based economy can be the catalysts for the next wave of innovation and Cdn prosperity

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BEYOND MOOSE AND MOUNTAINS

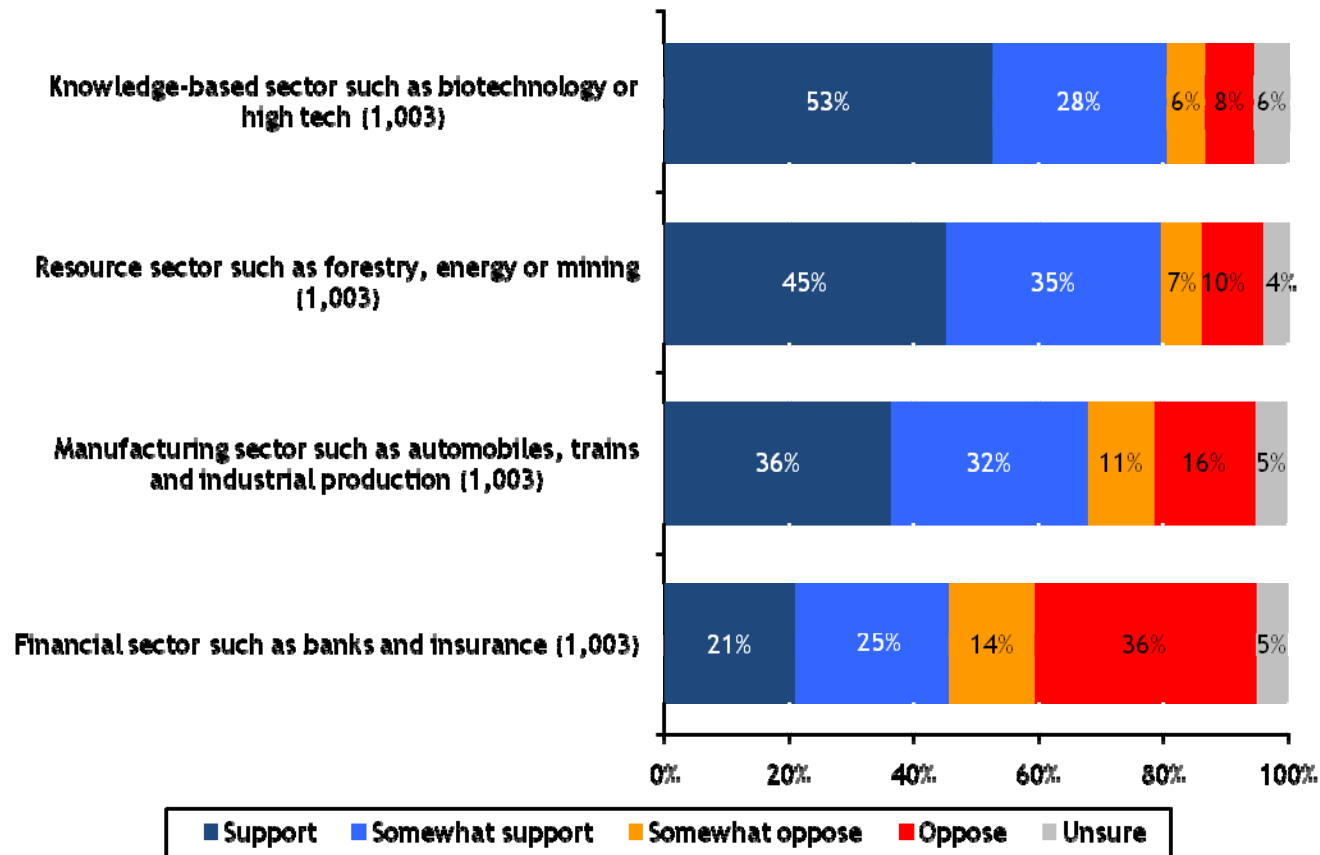
4 out of 5 Canadians see biotech as important to Canada's future economic prosperity



Do you believe that the biotechnology industry is a very important, somewhat important, somewhat unimportant or very unimportant part of Canada's future economic prosperity?

Source: Nanos Research, Random Telephone Survey of 1,003 Canadians from January 3rd to January 7th, 2009. The margin of accuracy for a sample of 1,003 is $\pm 3.1\%$, 19 times out of 20.

Canadians see knowledge-based sector as the priority for economic stimulus

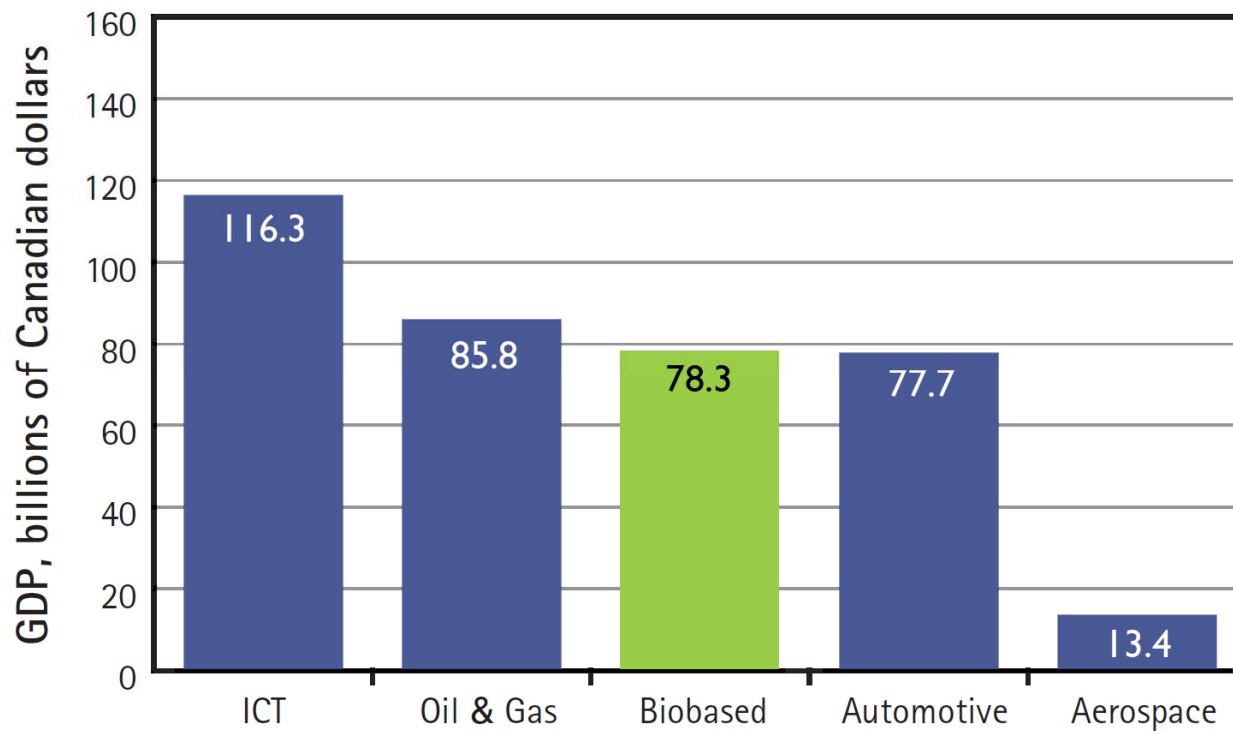


As you may know, the government of Canada will have to set priorities as to which industries it may help through an economic downturn. Please tell me whether you support, somewhat support, somewhat oppose or oppose helping the following types of industries?

Source: Nanos Research, Random Telephone Survey of 1,003 Canadians from January 3rd to January 7th, 2009. The margin of accuracy for a sample of 1,003 is $\pm 3.1\%$, 19 times out of 20.

We have an edge...

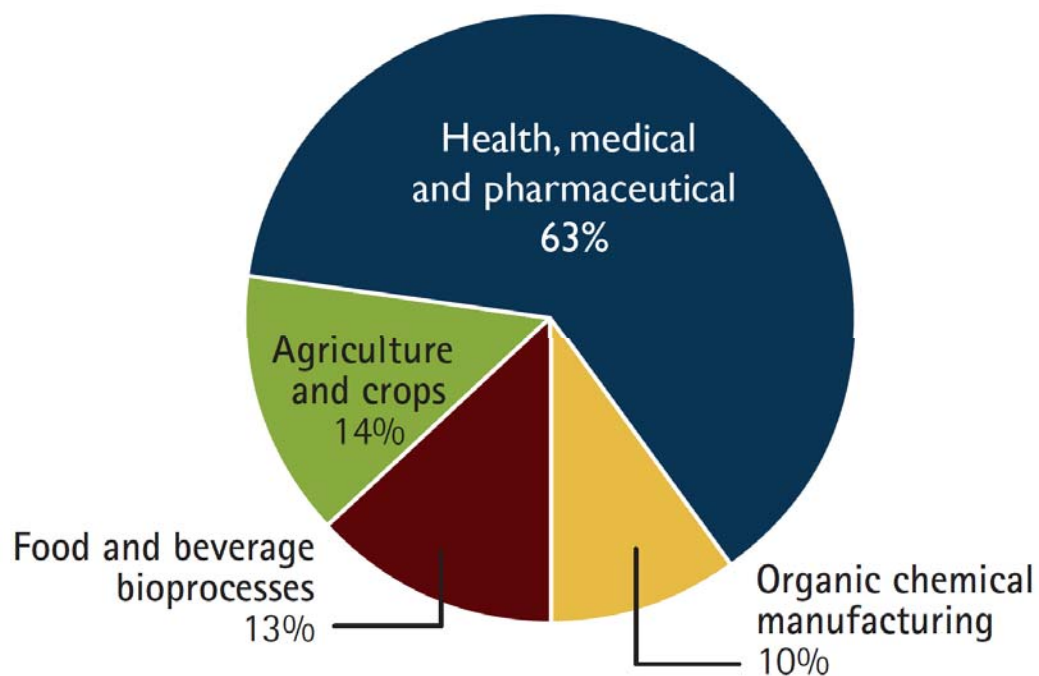
Industry Comparison by GDP and percentage of the economy



Source: Industrial Biotechnology. December 1, 2008, 4(4): 363-366. doi:10.1089/ind.2008.4.363

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The Canadian bio-based industry sectors



Source: Industrial Biotechnology. December 1, 2008, 4(4): 363-366. doi:10.1089/ind.2008.4.363

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Big Hairy Audacious Goal

By the year 2020, Canada will
become the world's leading
bio-based economy

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What does this mean to us?

- New jobs, new knowledge-based industries, new long-term prosperity



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What does this mean to us?

- New jobs, new knowledge-based industries, new long-term prosperity
- New global competitiveness for traditional industries
- Canadian bio-based solutions actively sought and contributing to global needs in health, energy and environment
- Canada leading in development and adoption of new bio-based technologies
- Canada will be the most competitive business jurisdiction for bio-based industries

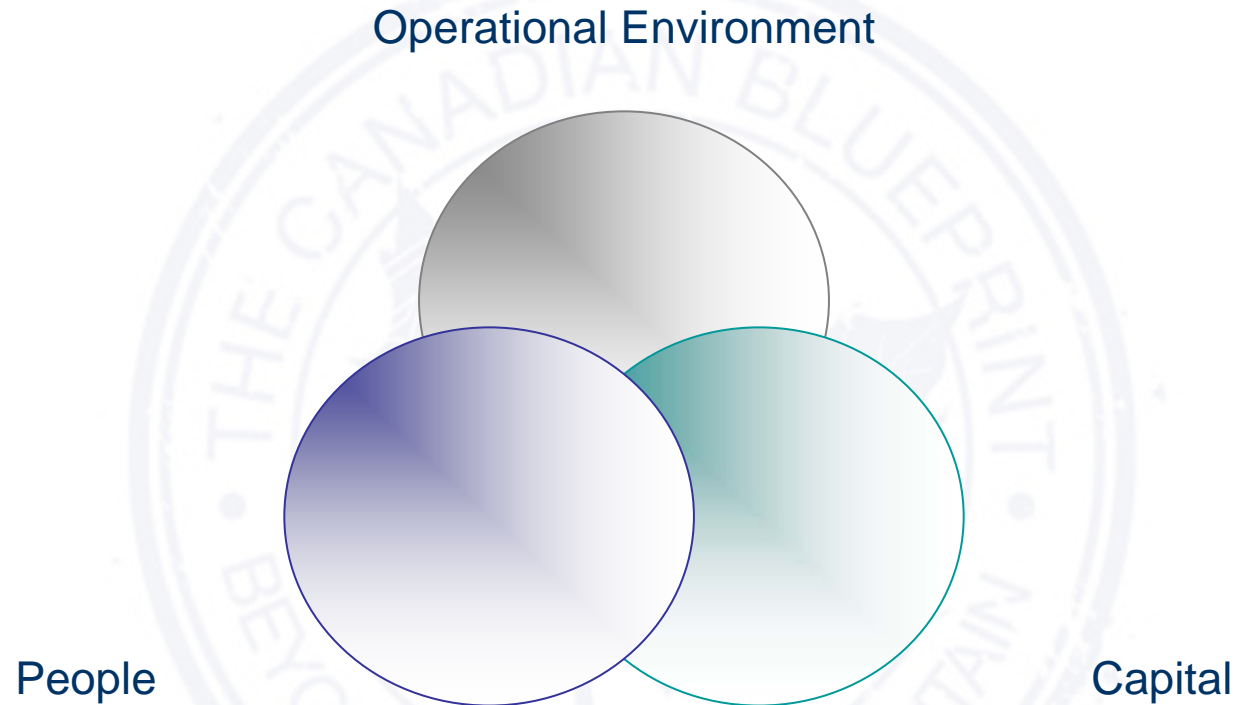
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What it'll take...

- An enabling operational environment aligning government policies, regulations for research & commercialization
- Develop, attract and retain world-class talent in both research and commercialization
- New capital formation, world-leading efficiency in the use of capital, and the most bio-friendly tax regime in the world

THE CANADIAN BLUEPRINT
BEYOND MOOSE AND MOUNTAINS

The Canadian Blueprint



THE CANADIAN BLUEPRINT
BEYOND MOOSE AND MOUNTAINS

Operational Environment

- World leading regulatory environment encouraging development, approval & introduction
- “Leave no innovation behind” i.e., walk the talk
- World’s leading intellectual property protection
- Disseminate publicly-owned IP to companies
- Procurement advantage for Canada technology
- Industry-government-academia partnership to further research & commercialization such as clinical trials, field trials, product testing.



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People

- Create UG, Graduate and post-doctoral programs
- Expand capacity of existing programs
- Biotech in K-12 curricula
- Support graduate business school research, education and assistance in biotech
- Immigration priority to recruit and retain biotech researchers and product developers
- Competitive tax relief for immigrants
- Competitive treatment for stock-based compensation



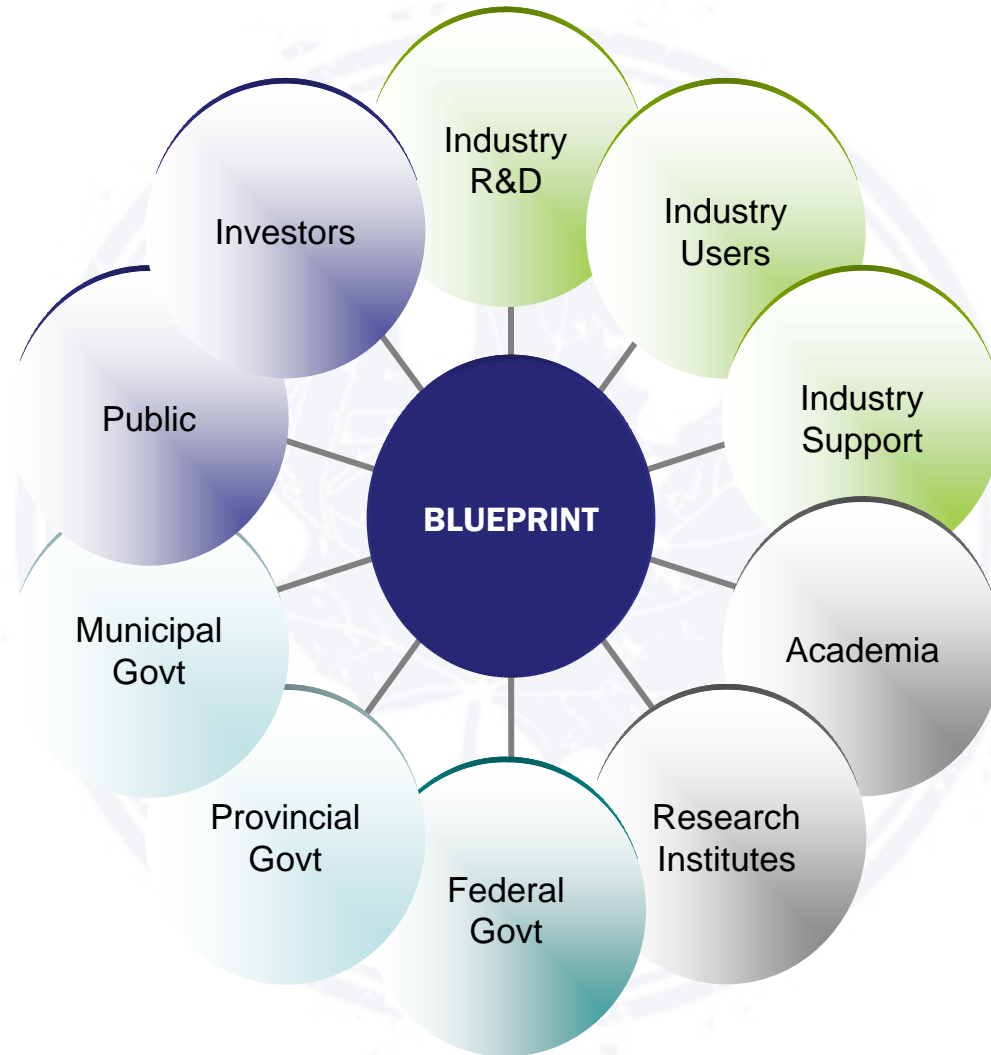
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Capital

- Biotech investment exempt from capital gains tax
- “Bio-credit” program for products mfrd in Canada and re-tooling
- R&D investment incentive program
- Improve tax treatment of investments
- IP tax credit
- Grow government funding of proof-of-concept innovation
- \$20 billion biotech R&D program over 12 years (BIOPARTNER)

THE CANADIAN BLUEPRINT
BEYOND MOOSE AND MOUNTAINS

The Building Trades



THE CANADIAN BLUEPRINT
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“The global community has already recognized that the future is biotechnology. Canada must do the same.”

The Canadian Blueprint: Beyond Moose & Mountains
May 2009

THE CANADIAN BLUEPRINT
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