



2011 BIO-ECONOMY ROUNDTABLE

Outcomes Report

June 28, 2011 • Washington, D.C.





ROUNDTABLE DISCUSSION: PARTICIPANTS WERE ASKED WHAT DOES A SUCCESSFUL BIO-ECONOMY LOOK LIKE?

“Cooperation among provincial/federal government is extremely important and moving in the right direction”

“Innovation strategy that focuses on the **interconnected players** in academia, government and business”

“Global perspective that focuses on economic development and **creating value**”

“Brain gain: creating the environment to attract talent”

“Need Canadian public to understand and believe in the value of innovation”

“Commercialize in Canada and export to the world”

“Focus on **building companies**”

“Adequate levels of funding for companies”

“Mentoring program for start-ups from successful companies”

“Cities need the appropriate infrastructure to support innovation”

“Entrepreneurial talent within industry”

“Academic biotechnology development”

Who attended the National Bio-economy Roundtable?

Honourable Gary Goodyear, P.C., M.P.

Minister of State for Science and Technology

Honourable Darrell Dexter, MLA

Premier of Nova Scotia, MLA

Honourable Yves Bolduc, MNA

Quebec Minister of Health and Social Services

Honourable Rob Norris, MLA

Saskatchewan Minister Responsible for Innovation

Honourable Glen Murray, MPP

Ontario Minister of Research and Innovation

Honourable Greg Weadick, MLA

Alberta Minister of Advanced Education and Technology

Honourable Dave Chomiak, MLA

Manitoba Minister of Innovation

Honourable Dr. Moira Stillwell, MLA

British Columbia Parliamentary Secretary for Industry, Research and Innovation



SETTING THE STAGE FOR NEXT GENERATION EXPANSION OF THE BIO-ECONOMY

INVESTING TODAY FOR TOMORROW

From all regions of the country, 80 biotech leaders, with ministers, officials, federal, provincial and municipal leaders participated in the third annual BIOTECCanada Roundtable on the bio-economy at the Canadian Embassy in Washington D.C.

BIOTECCanada President Peter Brenders kicked off the roundtable by describing the pillars of Canada's bio-economy: the entrepreneurship of our scientists and industry and supportive public policies.

Brenders noted the bio-economy contributions to Canada's GDP represents over 7% of the total wealth of the country. How to grow this sector will depend on two factors: how we build on our current success stories, and how we chart a clear path to achieve Canada's biotechnology potential. He called on participants to identify what is working – Canadian success stories – and then to paint a picture of what success looks like.

Dr. Pierre Meulien, President of Genome Canada, set the stage by noting biotechnological ingenuity will play a major role in addressing the biggest issues facing Canada and the world: population, food, climate, and energy.

Biotechnology injects over \$86 billion every year into the Canadian economy, more than the automotive and aerospace industries combined. And the potential is massive: by 2030, biotechnology is expected to contribute over \$1 trillion to OECD economies.

"Gatherings of this sort allow for industry to hear from those developing the public policy which affects our daily business," commented Norma Biln, CEO with Augurex Life Sciences. "When we are able to engage, the horizon is full of opportunities."



ROUNDTABLE DISCUSSION: CANADIAN SUCCESS STORIES

BREAKDOWN HEALTH / ECONOMIC DEVELOPMENT SILOS



*Minister Bolduc, QC addresses
roundtable participants*

Quebec's Health and Social Services Minister, the Honourable Yves Bolduc, underscored the massive contributions biotechnology has made in the health sector, in terms of health outcomes and the economy. The Health Minister's participation at the BIO Conference is testament to the province's view - the health system and the innovative life sciences industry can be built together. The Minister called for more partnerships with the private sector and said winners will be citizens and patients. The big winner will be citizens and patients.

*There are great opportunities for teamwork
and partnership between industry and
governments at all levels," commented Dr. Ali Tehrani,
President & CEO, Zymeworks.*

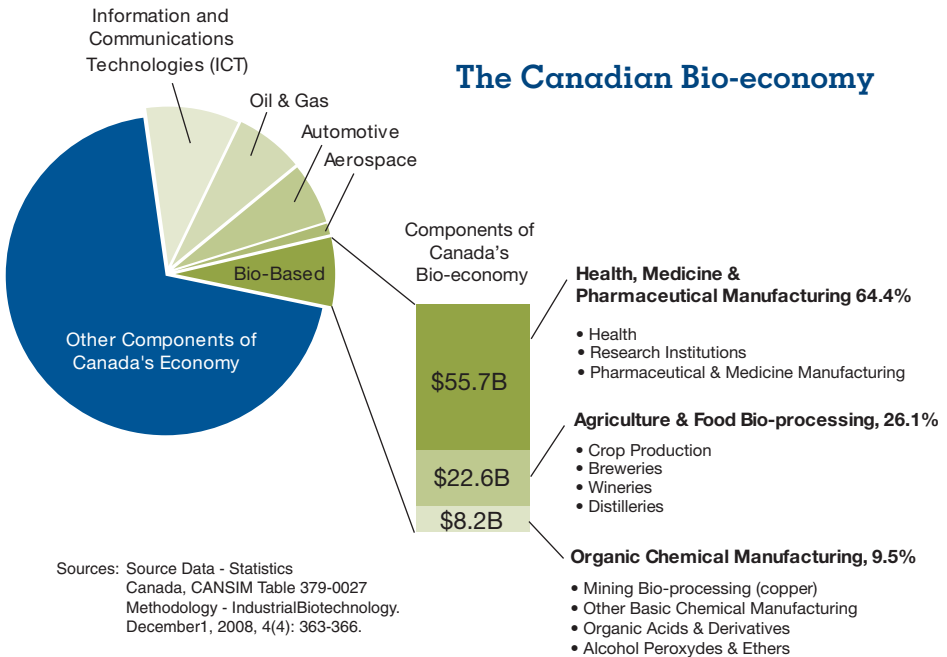
"We will prove our strength by working together."



SASKATCHEWAN'S CENTURY-OLD GOAL TO BE A WORLD LEADER IN AG-BIO

Saskatchewan's Minister for Innovation, the Honourable Rob Norris, called on roundtable participants to shift thinking from the day-to-day programs to the purpose: feeding and healing the world.

The province's first premier had a vision of a college of agriculture as part of a Canadian University. This made all the difference for addressing a key policy challenge: how are we going to feed people? The evolution of ag-bio is now a cluster that accounts for about a 1/3 of the bio-economy in the province. We're now tackling modern problems like developing vaccines to prevent infectious diseases. Saskatchewan is now Canada's #1 trading partner with India, responsible for \$500 M annually for pulse crops. 30 years ago we didn't even grow pulse crops, but our farmers took a risk. Now we are sponsoring research in India, recognizing that this is not a zero sum equation.





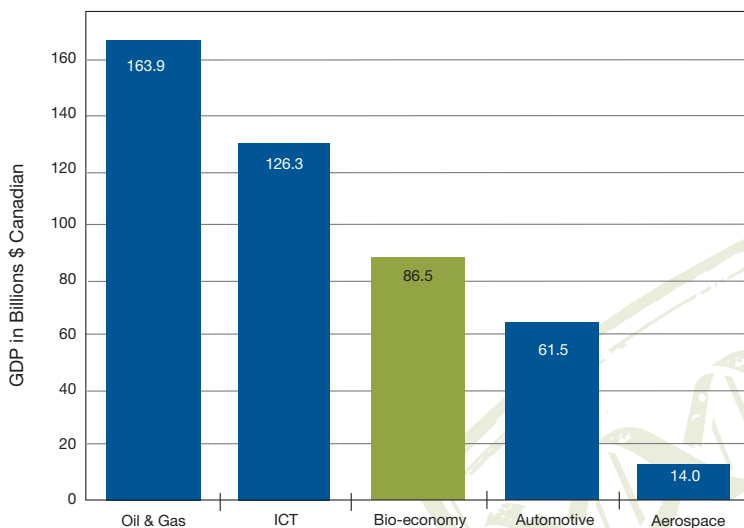
NEW INDUSTRY BUZZ

British Columbia's Parliamentary Secretary for Industry, Research and Innovation, Dr. Moira Stillwell, offered a physician politician's perspective on the bio-economy and called for "coopertition," whereby cooperation makes us all more competitive.



Dr. Moira Stillwell, BC engages in roundtable discussions on Canada's bio-economy.

2010 GDP ANALYSIS





CANADA'S POLITICAL INNOVATORS CALL FOR COOPERATION TO BE COMPETITIVE



Minister Goodyear addresses roundtable participants.

Federal Minister of State for Science and Technology, the Honourable Gary Goodyear, outlined what Ottawa is doing to build the bio-economy, reverse the brain-drain, rejuvenate federal R&D policies, partner with provincial governments and the private sector, and help move research from the lab and into the world economy. Minister Goodyear also underscored the need for business investment to support Canada's long-term competitiveness and create high quality jobs, remarking "it improves quality of life when we can move these ideas out of the labs and sell to world."

Provincial representatives called for collaboration among Canadian Governments and with the private sector.

Alberta's Minister of Advanced Education and Technology, the Honourable Greg Weadick, noted that we can't be good at everything, but we want to be excellent at a few things. Alberta is contributing to Canada and the world based on its particular experiences and challenges, such as the BSE issue in cattle, nanotechnology in natural resources and investments in clean and accessible water.

Manitoba Minister of Innovation, Energy and Mines, the Honourable Dave Chomiak described his province's strategy to work cooperatively to be competitive. He highlighted partnerships with states to their south. Working regionally has been a trademark for Manitoba, and for the province's benefit. These collaborations in addition to their natural materials, energy and conservation are what Manitoba stands for.



The Honourable Darrell Dexter, Premier of Nova Scotia noted that the excellent cooperation among Canadian governments, including Ottawa, has helped build the industry in his province.

Specifically, government investments in universities and research have led to the creation of new companies in his province. Premier Dexter commented on the well-educated workforce, supported in turn by world-class universities, government research laboratories and research-oriented companies as evidence of the vibrancy of Nova Scotia's life sciences industry.

Premier Dexter, NS cites sites examples of collaboration with governments at all levels.

The Honourable Ontario Minister of Research and Innovation Glen Murray discussed the issue of climate change is a local and global threat, and identified Canada's biotechnology sector as one of our most important natural resources: deep and interconnected wells of knowledge resources and innovation platforms. Minister Murray went on to note that the economy and the health system of the future are not going to be sustained by controlling costs, but by improving productivity.



Minister Murray, ON shares stories from his province with the audience.





BIOTECanada would like to thank Global Public Affairs for their collaboration at the Roundtable, and this outcomes report. Join the team of industry leaders across Canada who are working to build Canada's bio-economy. We welcome your involvement as we move forward on this important initiative.

Visit the website www.beyondmooseandmountains.ca for more information, or contact Cate McCreedy at BIOTECanada:

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About BIOTECanada

BIOTECanada is dedicated to the sustainable commercial development of biotechnology innovation in Canada. It is the national industry-funded association with over 250 member companies representing the broad spectrum of biotech constituents including emerging and established firms in the health, industrial, and agricultural sectors, as well as academic and research institutions and other related organizations.

www.biotech.ca

Les participants / Participants included



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